

HiPAS GridLAB-D Template Validation Data Addendum

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1 Background

The HiPAS GridLAB-D Template repository `autotest` system runs all the published templates are all the models Version 4 models published on GitHub. This report documents the validation data used when comparing the results of a proposed code change to the repository. Errors arising from this validation process will be reported as a DIFF error and cause a failure of the validation process.

2 Loadfactor Template

The `loadfactor` template allows loads in a model to be rescaled by an arbitrary factor. The validation test for this template rescales all the models by 50%.

Table 1: Validation data for loadfactor IEEE 123 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	load_1	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_1	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_1	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_2	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_2	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_2	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_4	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_4	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_4	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_7	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_7	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_7	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	load_9	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_9	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_9	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_12	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_12	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_12	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_16	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_16	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_16	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_17	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	load_17	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	load_17	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	load_19	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_19	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_19	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_24	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_24	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_24	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_30	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_30	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_30	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_31	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	load_31	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	load_31	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	load_32	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	load_32	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	load_32	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	load_35	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_35	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_35	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_39	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_39	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_39	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_41	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	load_41	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	load_41	constant_power_C_reac	10000.0	0.0	5000.0	0.0

Table 1: Validation data for loadfactor IEEE 123 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	load_42	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_42	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_42	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	load_46	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_46	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_46	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	load_49	constant_power_A	35000.0	25000.0	17500.0	12500.0
load	load_49	constant_power_B	70000.0	50000.0	35000.0	25000.0
load	load_49	constant_power_C	35000.0	20000.0	17500.0	10000.0
load	load_49	constant_power_A_real	35000.0	0.0	17500.0	0.0
load	load_49	constant_power_B_real	70000.0	0.0	35000.0	0.0
load	load_49	constant_power_C_real	35000.0	0.0	17500.0	0.0
load	load_49	constant_power_A_reac	25000.0	0.0	12500.0	0.0
load	load_49	constant_power_B_reac	50000.0	0.0	25000.0	0.0
load	load_49	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_50	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_50	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_50	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_51	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_51	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_51	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	load_52	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_52	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_52	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_53	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_53	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_53	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_56	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_56	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_56	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_59	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_59	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_59	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_60	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_60	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_60	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	load_63	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_63	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_63	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_66	constant_power_C	75000.0	35000.0	37500.0	17500.0
load	load_66	constant_power_C_real	75000.0	0.0	37500.0	0.0
load	load_66	constant_power_C_reac	35000.0	0.0	17500.0	0.0
load	load_68	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_68	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_68	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	load_69	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_69	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_69	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_70	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_70	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_70	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	load_71	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_71	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_71	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_73	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_73	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_73	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_75	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_75	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_75	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_77	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	load_77	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	load_77	constant_power_B_reac	20000.0	0.0	10000.0	0.0

Table 1: Validation data for loadfactor IEEE 123 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	load_80	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	load_80	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	load_80	constant_power_B_reac	20000.0	0.0	10000.0	0.0
load	load_82	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_82	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_82	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_83	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	load_83	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	load_83	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	load_84	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	load_84	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	load_84	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	load_85	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_85	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_85	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_86	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_86	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_86	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_87	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	load_87	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	load_87	constant_power_B_reac	20000.0	0.0	10000.0	0.0
load	load_88	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_88	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_88	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_92	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_92	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_92	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_94	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_94	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_94	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_95	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_95	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_95	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_96	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	load_96	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	load_96	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	load_98	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_98	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_98	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_99	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	load_99	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	load_99	constant_power_B_reac	20000.0	0.0	10000.0	0.0
load	load_102	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	load_102	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	load_102	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	load_103	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_103	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_103	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_104	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	load_104	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	load_104	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	load_106	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	load_106	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	load_106	constant_power_B_reac	20000.0	0.0	10000.0	0.0
load	load_107	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	load_107	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	load_107	constant_power_B_reac	20000.0	0.0	10000.0	0.0
load	load_109	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	load_109	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	load_109	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	load_111	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_111	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_111	constant_power_A_reac	10000.0	0.0	5000.0	0.0

Table 1: Validation data for loadfactor IEEE 123 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	load_114	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	load_114	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	load_114	constant_power_A_reac	10000.0	0.0	5000.0	0.0

Table 2: Validation data for loadfactor IEEE 13 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	Load634	constant_power_A	160000.0	110000.0	80000.0	55000.0
load	Load634	constant_power_B	120000.0	90000.0	60000.0	45000.0
load	Load634	constant_power_C	120000.0	90000.0	60000.0	45000.0
load	Load634	constant_power_A_real	160000.0	0.0	80000.0	0.0
load	Load634	constant_power_B_real	120000.0	0.0	60000.0	0.0
load	Load634	constant_power_C_real	120000.0	0.0	60000.0	0.0
load	Load634	constant_power_A_reac	110000.0	0.0	55000.0	0.0
load	Load634	constant_power_B_reac	90000.0	0.0	45000.0	0.0
load	Load634	constant_power_C_reac	90000.0	0.0	45000.0	0.0
load	Load645	constant_power_B	170000.0	125000.0	85000.0	62500.0
load	Load645	constant_power_B_real	170000.0	0.0	85000.0	0.0
load	Load645	constant_power_B_reac	125000.0	0.0	62500.0	0.0
load	Load671	constant_power_A	385000.0	220000.0	192500.0	110000.0
load	Load671	constant_power_B	385000.0	220000.0	192500.0	110000.0
load	Load671	constant_power_C	385000.0	220000.0	192500.0	110000.0
load	Load671	constant_power_A_real	385000.0	0.0	192500.0	0.0
load	Load671	constant_power_B_real	385000.0	0.0	192500.0	0.0
load	Load671	constant_power_C_real	385000.0	0.0	192500.0	0.0
load	Load671	constant_power_A_reac	220000.0	0.0	110000.0	0.0
load	Load671	constant_power_B_reac	220000.0	0.0	110000.0	0.0
load	Load671	constant_power_C_reac	220000.0	0.0	110000.0	0.0
load	Load675	constant_power_A	485000.0	190000.0	242500.0	95000.0
load	Load675	constant_power_B	68000.0	60000.0	34000.0	30000.0
load	Load675	constant_power_C	290000.0	212000.0	145000.0	106000.0
load	Load675	constant_power_A_real	485000.0	0.0	242500.0	0.0
load	Load675	constant_power_B_real	68000.0	0.0	34000.0	0.0
load	Load675	constant_power_C_real	290000.0	0.0	145000.0	0.0
load	Load675	constant_power_A_reac	190000.0	0.0	95000.0	0.0
load	Load675	constant_power_B_reac	60000.0	0.0	30000.0	0.0
load	Load675	constant_power_C_reac	212000.0	0.0	106000.0	0.0
load	Load6711	constant_power_A	5666.67	3333.33	2833.335	1666.665
load	Load6711	constant_power_B	22000.0	12666.7	11000.0	6333.35
load	Load6711	constant_power_C	39000.0	22666.7	19500.0	11333.35
load	Load6711	constant_power_A_real	5666.67	0.0	2833.335	0.0
load	Load6711	constant_power_B_real	22000.0	0.0	11000.0	0.0
load	Load6711	constant_power_C_real	39000.0	0.0	19500.0	0.0
load	Load6711	constant_power_A_reac	3333.33	0.0	1666.665	0.0
load	Load6711	constant_power_B_reac	12666.7	0.0	6333.35	0.0
load	Load6711	constant_power_C_reac	22666.7	0.0	11333.35	0.0
load	Load6321	constant_power_A	11333.3	6666.67	5666.65	3333.335
load	Load6321	constant_power_B	44000.0	25333.3	22000.0	12666.65
load	Load6321	constant_power_C	78000.0	45333.3	39000.0	22666.65
load	Load6321	constant_power_A_real	11333.3	0.0	5666.65	0.0
load	Load6321	constant_power_B_real	44000.0	0.0	22000.0	0.0
load	Load6321	constant_power_C_real	78000.0	0.0	39000.0	0.0
load	Load6321	constant_power_A_reac	6666.67	0.0	3333.335	0.0
load	Load6321	constant_power_B_reac	25333.3	0.0	12666.65	0.0
load	Load6321	constant_power_C_reac	45333.3	0.0	22666.65	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S1	constant_power_A	16110.0	5295.1	8055.0	2647.55
load	S1	constant_power_B	11280.0	4094.09	5640.0	2047.045

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S1	constant_power_C	15300.0	6517.77	7650.0	3258.885
load	S1	constant_power_A_real	16110.0	0.0	8055.0	0.0
load	S1	constant_power_B_real	11280.0	0.0	5640.0	0.0
load	S1	constant_power_C_real	15300.0	0.0	7650.0	0.0
load	S1	constant_power_A_reac	5295.1	0.0	2647.55	0.0
load	S1	constant_power_B_reac	4094.09	0.0	2047.045	0.0
load	S1	constant_power_C_reac	6517.77	0.0	3258.885	0.0
load	S1	constant_power_AB	32440.0	23486.2	16220.0	11743.1
load	S1	constant_power_BC	34690.0	29665.6	17345.0	14832.8
load	S1	constant_power_CA	35710.0	27714.0	17855.0	13857.0
load	S1	constant_power_AB_real	32440.0	0.0	16220.0	0.0
load	S1	constant_power_BC_real	34690.0	0.0	17345.0	0.0
load	S1	constant_power_CA_real	35710.0	0.0	17855.0	0.0
load	S1	constant_power_AB_reac	23486.2	0.0	11743.1	0.0
load	S1	constant_power_BC_reac	29665.6	0.0	14832.8	0.0
load	S1	constant_power_CA_reac	27714.0	0.0	13857.0	0.0
load	S2	constant_power_A	12120.0	4790.13	6060.0	2395.065
load	S2	constant_power_B	12590.0	4975.89	6295.0	2487.945
load	S2	constant_power_C	11450.0	2325.02	5725.0	1162.51
load	S2	constant_power_A_real	12120.0	0.0	6060.0	0.0
load	S2	constant_power_B_real	12590.0	0.0	6295.0	0.0
load	S2	constant_power_C_real	11450.0	0.0	5725.0	0.0
load	S2	constant_power_A_reac	4790.13	0.0	2395.065	0.0
load	S2	constant_power_B_reac	4975.89	0.0	2487.945	0.0
load	S2	constant_power_C_reac	2325.02	0.0	1162.51	0.0
load	S2	constant_power_AB	29830.0	23932.0	14915.0	11966.0
load	S2	constant_power_BC	34510.0	23190.9	17255.0	11595.45
load	S2	constant_power_CA	35700.0	28641.5	17850.0	14320.75
load	S2	constant_power_AB_real	29830.0	0.0	14915.0	0.0
load	S2	constant_power_BC_real	34510.0	0.0	17255.0	0.0
load	S2	constant_power_CA_real	35700.0	0.0	17850.0	0.0
load	S2	constant_power_AB_reac	23932.0	0.0	11966.0	0.0
load	S2	constant_power_BC_reac	23190.9	0.0	11595.45	0.0
load	S2	constant_power_CA_reac	28641.5	0.0	14320.75	0.0
load	S3	constant_power_A	15590.0	7103.01	7795.0	3551.505
load	S3	constant_power_B	12000.0	3007.48	6000.0	1503.74
load	S3	constant_power_C	11900.0	1695.66	5950.0	847.83
load	S3	constant_power_A_real	15590.0	0.0	7795.0	0.0
load	S3	constant_power_B_real	12000.0	0.0	6000.0	0.0
load	S3	constant_power_C_real	11900.0	0.0	5950.0	0.0
load	S3	constant_power_A_reac	7103.01	0.0	3551.505	0.0
load	S3	constant_power_B_reac	3007.48	0.0	1503.74	0.0
load	S3	constant_power_C_reac	1695.66	0.0	847.83	0.0
load	S3	constant_power_AB	35180.0	23641.1	17590.0	11820.55
load	S3	constant_power_BC	30710.0	23032.5	15355.0	11516.25
load	S3	constant_power_CA	32330.0	23406.5	16165.0	11703.25
load	S3	constant_power_AB_real	35180.0	0.0	17590.0	0.0
load	S3	constant_power_BC_real	30710.0	0.0	15355.0	0.0
load	S3	constant_power_CA_real	32330.0	0.0	16165.0	0.0
load	S3	constant_power_AB_reac	23641.1	0.0	11820.55	0.0
load	S3	constant_power_BC_reac	23032.5	0.0	11516.25	0.0
load	S3	constant_power_CA_reac	23406.5	0.0	11703.25	0.0
load	S5	constant_power_A	16100.0	6363.13	8050.0	3181.565
load	S5	constant_power_B	15520.0	5101.18	7760.0	2550.59
load	S5	constant_power_C	13300.0	4827.26	6650.0	2413.63
load	S5	constant_power_A_real	16100.0	0.0	8050.0	0.0
load	S5	constant_power_B_real	15520.0	0.0	7760.0	0.0
load	S5	constant_power_C_real	13300.0	0.0	6650.0	0.0
load	S5	constant_power_A_reac	6363.13	0.0	3181.565	0.0
load	S5	constant_power_B_reac	5101.18	0.0	2550.59	0.0
load	S5	constant_power_C_reac	4827.26	0.0	2413.63	0.0
load	S5	constant_power_AB	27990.0	18809.4	13995.0	9404.7
load	S5	constant_power_BC	34210.0	27446.0	17105.0	13723.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S5	constant_power_CA	28450.0	23574.5	14225.0	11787.25
load	S5	constant_power_AB_real	27990.0	0.0	13995.0	0.0
load	S5	constant_power_BC_real	34210.0	0.0	17105.0	0.0
load	S5	constant_power_CA_real	28450.0	0.0	14225.0	0.0
load	S5	constant_power_AB_reac	18809.4	0.0	9404.7	0.0
load	S5	constant_power_BC_reac	27446.0	0.0	13723.0	0.0
load	S5	constant_power_CA_reac	23574.5	0.0	11787.25	0.0
load	S6	constant_power_A	15480.0	3143.35	7740.0	1571.675
load	S6	constant_power_B	12080.0	3523.33	6040.0	1761.665
load	S6	constant_power_C	13380.0	0.0	6690.0	0.0
load	S6	constant_power_A_real	15480.0	0.0	7740.0	0.0
load	S6	constant_power_B_real	12080.0	0.0	6040.0	0.0
load	S6	constant_power_C_real	13380.0	0.0	6690.0	0.0
load	S6	constant_power_A_reac	3143.35	0.0	1571.675	0.0
load	S6	constant_power_B_reac	3523.33	0.0	1761.665	0.0
load	S6	constant_power_AB	28930.0	21697.5	14465.0	10848.75
load	S6	constant_power_BC	31920.0	26449.8	15960.0	13224.9
load	S6	constant_power_CA	33130.0	26579.6	16565.0	13289.8
load	S6	constant_power_AB_real	28930.0	0.0	14465.0	0.0
load	S6	constant_power_BC_real	31920.0	0.0	15960.0	0.0
load	S6	constant_power_CA_real	33130.0	0.0	16565.0	0.0
load	S6	constant_power_AB_reac	21697.5	0.0	10848.75	0.0
load	S6	constant_power_BC_reac	26449.8	0.0	13224.9	0.0
load	S6	constant_power_CA_reac	26579.6	0.0	13289.8	0.0
load	S7	constant_power_A	12660.0	5768.07	6330.0	2884.035
load	S7	constant_power_B	13140.0	4318.91	6570.0	2159.455
load	S7	constant_power_C	13760.0	1960.69	6880.0	980.345
load	S7	constant_power_A_real	12660.0	0.0	6330.0	0.0
load	S7	constant_power_B_real	13140.0	0.0	6570.0	0.0
load	S7	constant_power_C_real	13760.0	0.0	6880.0	0.0
load	S7	constant_power_A_reac	5768.07	0.0	2884.035	0.0
load	S7	constant_power_B_reac	4318.91	0.0	2159.455	0.0
load	S7	constant_power_C_reac	1960.69	0.0	980.345	0.0
load	S7	constant_power_AB	30270.0	25082.6	15135.0	12541.3
load	S7	constant_power_BC	34890.0	27077.6	17445.0	13538.8
load	S7	constant_power_CA	31740.0	25464.4	15870.0	12732.2
load	S7	constant_power_AB_real	30270.0	0.0	15135.0	0.0
load	S7	constant_power_BC_real	34890.0	0.0	17445.0	0.0
load	S7	constant_power_CA_real	31740.0	0.0	15870.0	0.0
load	S7	constant_power_AB_reac	25082.6	0.0	12541.3	0.0
load	S7	constant_power_BC_reac	27077.6	0.0	13538.8	0.0
load	S7	constant_power_CA_reac	25464.4	0.0	12732.2	0.0
load	S8	constant_power_A	13930.0	5505.49	6965.0	2752.745
load	S8	constant_power_B	13060.0	1860.95	6530.0	930.475
load	S8	constant_power_C	14970.0	6820.53	7485.0	3410.265
load	S8	constant_power_A_real	13930.0	0.0	6965.0	0.0
load	S8	constant_power_B_real	13060.0	0.0	6530.0	0.0
load	S8	constant_power_C_real	14970.0	0.0	7485.0	0.0
load	S8	constant_power_A_reac	5505.49	0.0	2752.745	0.0
load	S8	constant_power_B_reac	1860.95	0.0	930.475	0.0
load	S8	constant_power_C_reac	6820.53	0.0	3410.265	0.0
load	S8	constant_power_AB	27750.0	22263.3	13875.0	11131.65
load	S8	constant_power_BC	31780.0	21356.3	15890.0	10678.15
load	S8	constant_power_CA	35140.0	23614.2	17570.0	11807.1
load	S8	constant_power_AB_real	27750.0	0.0	13875.0	0.0
load	S8	constant_power_BC_real	31780.0	0.0	15890.0	0.0
load	S8	constant_power_CA_real	35140.0	0.0	17570.0	0.0
load	S8	constant_power_AB_reac	22263.3	0.0	11131.65	0.0
load	S8	constant_power_BC_reac	21356.3	0.0	10678.15	0.0
load	S8	constant_power_CA_reac	23614.2	0.0	11807.1	0.0
load	S10	constant_power_A	12640.0	3686.67	6320.0	1843.335
load	S10	constant_power_B	13590.0	3963.75	6795.0	1981.875
load	S10	constant_power_C	12040.0	5485.59	6020.0	2742.795

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S10	constant_power_A_real	12640.0	0.0	6320.0	0.0
load	S10	constant_power_B_real	13590.0	0.0	6795.0	0.0
load	S10	constant_power_C_real	12040.0	0.0	6020.0	0.0
load	S10	constant_power_A_reac	3686.67	0.0	1843.335	0.0
load	S10	constant_power_B_reac	3963.75	0.0	1981.875	0.0
load	S10	constant_power_C_reac	5485.59	0.0	2742.795	0.0
load	S10	constant_power_AB	35540.0	30392.5	17770.0	15196.25
load	S10	constant_power_BC	34640.0	24178.9	17320.0	12089.45
load	S10	constant_power_CA	26300.0	21792.9	13150.0	10896.45
load	S10	constant_power_AB_real	35540.0	0.0	17770.0	0.0
load	S10	constant_power_BC_real	34640.0	0.0	17320.0	0.0
load	S10	constant_power_CA_real	26300.0	0.0	13150.0	0.0
load	S10	constant_power_AB_reac	30392.5	0.0	15196.25	0.0
load	S10	constant_power_BC_reac	24178.9	0.0	12089.45	0.0
load	S10	constant_power_CA_reac	21792.9	0.0	10896.45	0.0
load	S11	constant_power_A	11720.0	2379.85	5860.0	1189.925
load	S11	constant_power_B	14340.0	6533.5	7170.0	3266.75
load	S11	constant_power_C	12570.0	3666.25	6285.0	1833.125
load	S11	constant_power_A_real	11720.0	0.0	5860.0	0.0
load	S11	constant_power_B_real	14340.0	0.0	7170.0	0.0
load	S11	constant_power_C_real	12570.0	0.0	6285.0	0.0
load	S11	constant_power_A_reac	2379.85	0.0	1189.925	0.0
load	S11	constant_power_B_reac	6533.5	0.0	3266.75	0.0
load	S11	constant_power_C_reac	3666.25	0.0	1833.125	0.0
load	S11	constant_power_AB	28590.0	19955.9	14295.0	9977.95
load	S11	constant_power_BC	35810.0	26857.5	17905.0	13428.75
load	S11	constant_power_CA	29030.0	21017.4	14515.0	10508.7
load	S11	constant_power_AB_real	28590.0	0.0	14295.0	0.0
load	S11	constant_power_BC_real	35810.0	0.0	17905.0	0.0
load	S11	constant_power_CA_real	29030.0	0.0	14515.0	0.0
load	S11	constant_power_AB_reac	19955.9	0.0	9977.95	0.0
load	S11	constant_power_BC_reac	26857.5	0.0	13428.75	0.0
load	S11	constant_power_CA_reac	21017.4	0.0	10508.7	0.0
load	S12	constant_power_A	15650.0	7130.35	7825.0	3565.175
load	S12	constant_power_B	14770.0	0.0	7385.0	0.0
load	S12	constant_power_C	11730.0	2939.82	5865.0	1469.91
load	S12	constant_power_A_real	15650.0	0.0	7825.0	0.0
load	S12	constant_power_B_real	14770.0	0.0	7385.0	0.0
load	S12	constant_power_C_real	11730.0	0.0	5865.0	0.0
load	S12	constant_power_A_reac	7130.35	0.0	3565.175	0.0
load	S12	constant_power_C_reac	2939.82	0.0	1469.91	0.0
load	S12	constant_power_AB	30470.0	20476.0	15235.0	10238.0
load	S12	constant_power_BC	34060.0	22888.5	17030.0	11444.25
load	S12	constant_power_CA	28340.0	21255.0	14170.0	10627.5
load	S12	constant_power_AB_real	30470.0	0.0	15235.0	0.0
load	S12	constant_power_BC_real	34060.0	0.0	17030.0	0.0
load	S12	constant_power_CA_real	28340.0	0.0	14170.0	0.0
load	S12	constant_power_AB_reac	20476.0	0.0	10238.0	0.0
load	S12	constant_power_BC_reac	22888.5	0.0	11444.25	0.0
load	S12	constant_power_CA_reac	21255.0	0.0	10627.5	0.0
load	S13	constant_power_A	15740.0	5712.86	7870.0	2856.43
load	S13	constant_power_B	13470.0	4427.37	6735.0	2213.685
load	S13	constant_power_C	15210.0	5520.49	7605.0	2760.245
load	S13	constant_power_A_real	15740.0	0.0	7870.0	0.0
load	S13	constant_power_B_real	13470.0	0.0	6735.0	0.0
load	S13	constant_power_C_real	15210.0	0.0	7605.0	0.0
load	S13	constant_power_A_reac	5712.86	0.0	2856.43	0.0
load	S13	constant_power_B_reac	4427.37	0.0	2213.685	0.0
load	S13	constant_power_C_reac	5520.49	0.0	2760.245	0.0
load	S13	constant_power_AB	30600.0	24549.8	15300.0	12274.9
load	S13	constant_power_BC	33970.0	21942.5	16985.0	10971.25
load	S13	constant_power_CA	33370.0	23292.4	16685.0	11646.2
load	S13	constant_power_AB_real	30600.0	0.0	15300.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S13	constant_power_BC_real	33970.0	0.0	16985.0	0.0
load	S13	constant_power_CA_real	33370.0	0.0	16685.0	0.0
load	S13	constant_power_AB_reac	24549.8	0.0	12274.9	0.0
load	S13	constant_power_BC_reac	21942.5	0.0	10971.25	0.0
load	S13	constant_power_CA_reac	23292.4	0.0	11646.2	0.0
load	S15	constant_power_A	16130.0	4042.56	8065.0	2021.28
load	S15	constant_power_B	12660.0	0.0	6330.0	0.0
load	S15	constant_power_C	14310.0	2039.06	7155.0	1019.53
load	S15	constant_power_A_real	16130.0	0.0	8065.0	0.0
load	S15	constant_power_B_real	12660.0	0.0	6330.0	0.0
load	S15	constant_power_C_real	14310.0	0.0	7155.0	0.0
load	S15	constant_power_A_reac	4042.56	0.0	2021.28	0.0
load	S15	constant_power_C_reac	2039.06	0.0	1019.53	0.0
load	S15	constant_power_AB	28370.0	19064.8	14185.0	9532.4
load	S15	constant_power_BC	33630.0	22599.5	16815.0	11299.75
load	S15	constant_power_CA	30780.0	23887.9	15390.0	11943.95
load	S15	constant_power_AB_real	28370.0	0.0	14185.0	0.0
load	S15	constant_power_BC_real	33630.0	0.0	16815.0	0.0
load	S15	constant_power_CA_real	30780.0	0.0	15390.0	0.0
load	S15	constant_power_AB_reac	19064.8	0.0	9532.4	0.0
load	S15	constant_power_BC_reac	22599.5	0.0	11299.75	0.0
load	S15	constant_power_CA_reac	23887.9	0.0	11943.95	0.0
load	S16	constant_power_A	13540.0	3393.44	6770.0	1696.72
load	S16	constant_power_B	13050.0	4289.33	6525.0	2144.665
load	S16	constant_power_C	13720.0	4979.7	6860.0	2489.85
load	S16	constant_power_A_real	13540.0	0.0	6770.0	0.0
load	S16	constant_power_B_real	13050.0	0.0	6525.0	0.0
load	S16	constant_power_C_real	13720.0	0.0	6860.0	0.0
load	S16	constant_power_A_reac	3393.44	0.0	1696.72	0.0
load	S16	constant_power_B_reac	4289.33	0.0	2144.665	0.0
load	S16	constant_power_C_reac	4979.7	0.0	2489.85	0.0
load	S16	constant_power_AB	35730.0	25868.1	17865.0	12934.05
load	S16	constant_power_BC	30730.0	20650.7	15365.0	10325.35
load	S16	constant_power_CA	33050.0	23927.8	16525.0	11963.9
load	S16	constant_power_AB_real	35730.0	0.0	17865.0	0.0
load	S16	constant_power_BC_real	30730.0	0.0	15365.0	0.0
load	S16	constant_power_CA_real	33050.0	0.0	16525.0	0.0
load	S16	constant_power_AB_reac	25868.1	0.0	12934.05	0.0
load	S16	constant_power_BC_reac	20650.7	0.0	10325.35	0.0
load	S16	constant_power_CA_reac	23927.8	0.0	11963.9	0.0
load	S17	constant_power_A	13450.0	3370.89	6725.0	1685.445
load	S17	constant_power_B	11680.0	2927.28	5840.0	1463.64
load	S17	constant_power_C	12860.0	6228.38	6430.0	3114.19
load	S17	constant_power_A_real	13450.0	0.0	6725.0	0.0
load	S17	constant_power_B_real	11680.0	0.0	5840.0	0.0
load	S17	constant_power_C_real	12860.0	0.0	6430.0	0.0
load	S17	constant_power_A_reac	3370.89	0.0	1685.445	0.0
load	S17	constant_power_B_reac	2927.28	0.0	1463.64	0.0
load	S17	constant_power_C_reac	6228.38	0.0	3114.19	0.0
load	S17	constant_power_AB	33050.0	27386.2	16525.0	13693.1
load	S17	constant_power_BC	34360.0	28471.7	17180.0	14235.85
load	S17	constant_power_CA	27450.0	19873.5	13725.0	9936.75
load	S17	constant_power_AB_real	33050.0	0.0	16525.0	0.0
load	S17	constant_power_BC_real	34360.0	0.0	17180.0	0.0
load	S17	constant_power_CA_real	27450.0	0.0	13725.0	0.0
load	S17	constant_power_AB_reac	27386.2	0.0	13693.1	0.0
load	S17	constant_power_BC_reac	28471.7	0.0	14235.85	0.0
load	S17	constant_power_CA_reac	19873.5	0.0	9936.75	0.0
load	S18	constant_power_A	16050.0	4681.25	8025.0	2340.625
load	S18	constant_power_B	14810.0	3711.74	7405.0	1855.87
load	S18	constant_power_C	15430.0	0.0	7715.0	0.0
load	S18	constant_power_A_real	16050.0	0.0	8025.0	0.0
load	S18	constant_power_B_real	14810.0	0.0	7405.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S18	constant_power_C_real	15430.0	0.0	7715.0	0.0
load	S18	constant_power_A_reac	4681.25	0.0	2340.625	0.0
load	S18	constant_power_B_reac	3711.74	0.0	1855.87	0.0
load	S18	constant_power_AB	32330.0	24247.5	16165.0	12123.75
load	S18	constant_power_BC	32970.0	23013.2	16485.0	11506.6
load	S18	constant_power_CA	29700.0	24610.3	14850.0	12305.15
load	S18	constant_power_AB_real	32330.0	0.0	16165.0	0.0
load	S18	constant_power_BC_real	32970.0	0.0	16485.0	0.0
load	S18	constant_power_CA_real	29700.0	0.0	14850.0	0.0
load	S18	constant_power_AB_reac	24247.5	0.0	12123.75	0.0
load	S18	constant_power_BC_reac	23013.2	0.0	11506.6	0.0
load	S18	constant_power_CA_reac	24610.3	0.0	12305.15	0.0
load	S19	constant_power_A	11350.0	4485.81	5675.0	2242.905
load	S19	constant_power_B	14020.0	3513.74	7010.0	1756.87
load	S19	constant_power_C	15380.0	6078.56	7690.0	3039.28
load	S19	constant_power_A_real	11350.0	0.0	5675.0	0.0
load	S19	constant_power_B_real	14020.0	0.0	7010.0	0.0
load	S19	constant_power_C_real	15380.0	0.0	7690.0	0.0
load	S19	constant_power_A_reac	4485.81	0.0	2242.905	0.0
load	S19	constant_power_B_reac	3513.74	0.0	1756.87	0.0
load	S19	constant_power_C_reac	6078.56	0.0	3039.28	0.0
load	S19	constant_power_AB	33610.0	26964.7	16805.0	13482.35
load	S19	constant_power_BC	36040.0	27970.1	18020.0	13985.05
load	S19	constant_power_CA	27900.0	19474.3	13950.0	9737.15
load	S19	constant_power_AB_real	33610.0	0.0	16805.0	0.0
load	S19	constant_power_BC_real	36040.0	0.0	18020.0	0.0
load	S19	constant_power_CA_real	27900.0	0.0	13950.0	0.0
load	S19	constant_power_AB_reac	26964.7	0.0	13482.35	0.0
load	S19	constant_power_BC_reac	27970.1	0.0	13985.05	0.0
load	S19	constant_power_CA_reac	19474.3	0.0	9737.15	0.0
load	S20	constant_power_A	15800.0	2251.38	7900.0	1125.69
load	S20	constant_power_B	13980.0	6369.48	6990.0	3184.74
load	S20	constant_power_C	12900.0	5098.41	6450.0	2549.205
load	S20	constant_power_A_real	15800.0	0.0	7900.0	0.0
load	S20	constant_power_B_real	13980.0	0.0	6990.0	0.0
load	S20	constant_power_C_real	12900.0	0.0	6450.0	0.0
load	S20	constant_power_A_reac	2251.38	0.0	1125.69	0.0
load	S20	constant_power_B_reac	6369.48	0.0	3184.74	0.0
load	S20	constant_power_C_reac	5098.41	0.0	2549.205	0.0
load	S20	constant_power_AB	28110.0	24038.6	14055.0	12019.3
load	S20	constant_power_BC	31400.0	25191.6	15700.0	12595.8
load	S20	constant_power_CA	34790.0	24283.6	17395.0	12141.8
load	S20	constant_power_AB_real	28110.0	0.0	14055.0	0.0
load	S20	constant_power_BC_real	31400.0	0.0	15700.0	0.0
load	S20	constant_power_CA_real	34790.0	0.0	17395.0	0.0
load	S20	constant_power_AB_reac	24038.6	0.0	12019.3	0.0
load	S20	constant_power_BC_reac	25191.6	0.0	12595.8	0.0
load	S20	constant_power_CA_reac	24283.6	0.0	12141.8	0.0
load	S21	constant_power_A	16290.0	5354.26	8145.0	2677.13
load	S21	constant_power_B	13810.0	6292.02	6905.0	3146.01
load	S21	constant_power_C	13050.0	3270.64	6525.0	1635.32
load	S21	constant_power_A_real	16290.0	0.0	8145.0	0.0
load	S21	constant_power_B_real	13810.0	0.0	6905.0	0.0
load	S21	constant_power_C_real	13050.0	0.0	6525.0	0.0
load	S21	constant_power_A_reac	5354.26	0.0	2677.13	0.0
load	S21	constant_power_B_reac	6292.02	0.0	3146.01	0.0
load	S21	constant_power_C_reac	3270.64	0.0	1635.32	0.0
load	S21	constant_power_AB	30120.0	20240.8	15060.0	10120.4
load	S21	constant_power_BC	31940.0	23955.0	15970.0	11977.5
load	S21	constant_power_CA	36380.0	29187.0	18190.0	14593.5
load	S21	constant_power_AB_real	30120.0	0.0	15060.0	0.0
load	S21	constant_power_BC_real	31940.0	0.0	15970.0	0.0
load	S21	constant_power_CA_real	36380.0	0.0	18190.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S21	constant_power_AB_reac	20240.8	0.0	10120.4	0.0
load	S21	constant_power_BC_reac	23955.0	0.0	11977.5	0.0
load	S21	constant_power_CA_reac	29187.0	0.0	14593.5	0.0
load	S22	constant_power_A	14730.0	6711.19	7365.0	3355.595
load	S22	constant_power_B	12070.0	4770.37	6035.0	2385.185
load	S22	constant_power_C	13300.0	2700.68	6650.0	1350.34
load	S22	constant_power_A_real	14730.0	0.0	7365.0	0.0
load	S22	constant_power_B_real	12070.0	0.0	6035.0	0.0
load	S22	constant_power_C_real	13300.0	0.0	6650.0	0.0
load	S22	constant_power_A_reac	6711.19	0.0	3355.595	0.0
load	S22	constant_power_B_reac	4770.37	0.0	2385.185	0.0
load	S22	constant_power_C_reac	2700.68	0.0	1350.34	0.0
load	S22	constant_power_AB	36120.0	25211.9	18060.0	12605.95
load	S22	constant_power_BC	33910.0	26317.0	16955.0	13158.5
load	S22	constant_power_CA	34940.0	25296.1	17470.0	12648.05
load	S22	constant_power_AB_real	36120.0	0.0	18060.0	0.0
load	S22	constant_power_BC_real	33910.0	0.0	16955.0	0.0
load	S22	constant_power_CA_real	34940.0	0.0	17470.0	0.0
load	S22	constant_power_AB_reac	25211.9	0.0	12605.95	0.0
load	S22	constant_power_BC_reac	26317.0	0.0	13158.5	0.0
load	S22	constant_power_CA_reac	25296.1	0.0	12648.05	0.0
load	S23	constant_power_A	41670.0	10443.5	20835.0	5221.75
load	S23	constant_power_B	44080.0	17421.5	22040.0	8710.75
load	S23	constant_power_C	34470.0	6999.43	17235.0	3499.715
load	S23	constant_power_A_real	41670.0	0.0	20835.0	0.0
load	S23	constant_power_B_real	44080.0	0.0	22040.0	0.0
load	S23	constant_power_C_real	34470.0	0.0	17235.0	0.0
load	S23	constant_power_A_reac	10443.5	0.0	5221.75	0.0
load	S23	constant_power_B_reac	17421.5	0.0	8710.75	0.0
load	S23	constant_power_C_reac	6999.43	0.0	3499.715	0.0
load	S23	constant_power_AB	101570.0	73535.4	50785.0	36767.7
load	S23	constant_power_BC	113380.0	79139.7	56690.0	39569.85
load	S23	constant_power_CA	97230.0	80567.5	48615.0	40283.75
load	S23	constant_power_AB_real	101570.0	0.0	50785.0	0.0
load	S23	constant_power_BC_real	113380.0	0.0	56690.0	0.0
load	S23	constant_power_CA_real	97230.0	0.0	48615.0	0.0
load	S23	constant_power_AB_reac	73535.4	0.0	36767.7	0.0
load	S23	constant_power_BC_reac	79139.7	0.0	39569.85	0.0
load	S23	constant_power_CA_reac	80567.5	0.0	40283.75	0.0
load	S24	constant_power_A	34330.0	12460.1	17165.0	6230.05
load	S24	constant_power_B	42830.0	14077.5	21415.0	7038.75
load	S24	constant_power_C	46080.0	19630.0	23040.0	9815.0
load	S24	constant_power_A_real	34330.0	0.0	17165.0	0.0
load	S24	constant_power_B_real	42830.0	0.0	21415.0	0.0
load	S24	constant_power_C_real	46080.0	0.0	23040.0	0.0
load	S24	constant_power_A_reac	12460.1	0.0	6230.05	0.0
load	S24	constant_power_B_reac	14077.5	0.0	7038.75	0.0
load	S24	constant_power_C_reac	19630.0	0.0	9815.0	0.0
load	S24	constant_power_AB	84090.0	71910.6	42045.0	35955.3
load	S24	constant_power_BC	98490.0	73867.5	49245.0	36933.75
load	S24	constant_power_CA	85750.0	66549.3	42875.0	33274.65
load	S24	constant_power_AB_real	84090.0	0.0	42045.0	0.0
load	S24	constant_power_BC_real	98490.0	0.0	49245.0	0.0
load	S24	constant_power_CA_real	85750.0	0.0	42875.0	0.0
load	S24	constant_power_AB_reac	71910.6	0.0	35955.3	0.0
load	S24	constant_power_BC_reac	73867.5	0.0	36933.75	0.0
load	S24	constant_power_CA_reac	66549.3	0.0	33274.65	0.0
load	S25	constant_power_A	36480.0	17668.1	18240.0	8834.05
load	S25	constant_power_B	47230.0	9590.46	23615.0	4795.23
load	S25	constant_power_C	46740.0	6660.09	23370.0	3330.045
load	S25	constant_power_A_real	36480.0	0.0	18240.0	0.0
load	S25	constant_power_B_real	47230.0	0.0	23615.0	0.0
load	S25	constant_power_C_real	46740.0	0.0	23370.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S25	constant_power_A_reac	17668.1	0.0	8834.05	0.0
load	S25	constant_power_B_reac	9590.46	0.0	4795.23	0.0
load	S25	constant_power_C_reac	6660.09	0.0	3330.045	0.0
load	S25	constant_power_AB	101510.0	70854.4	50755.0	35427.2
load	S25	constant_power_BC	109370.0	87745.5	54685.0	43872.75
load	S25	constant_power_CA	97870.0	81097.9	48935.0	40548.95
load	S25	constant_power_AB_real	101510.0	0.0	50755.0	0.0
load	S25	constant_power_BC_real	109370.0	0.0	54685.0	0.0
load	S25	constant_power_CA_real	97870.0	0.0	48935.0	0.0
load	S25	constant_power_AB_reac	70854.4	0.0	35427.2	0.0
load	S25	constant_power_BC_reac	87745.5	0.0	43872.75	0.0
load	S25	constant_power_CA_reac	81097.9	0.0	40548.95	0.0
load	S26	constant_power_A	16410.0	6990.63	8205.0	3495.315
load	S26	constant_power_B	12290.0	5235.52	6145.0	2617.76
load	S26	constant_power_C	14770.0	4854.66	7385.0	2427.33
load	S26	constant_power_A_real	16410.0	0.0	8205.0	0.0
load	S26	constant_power_B_real	12290.0	0.0	6145.0	0.0
load	S26	constant_power_C_real	14770.0	0.0	7385.0	0.0
load	S26	constant_power_A_reac	6990.63	0.0	3495.315	0.0
load	S26	constant_power_B_reac	5235.52	0.0	2617.76	0.0
load	S26	constant_power_C_reac	4854.66	0.0	2427.33	0.0
load	S26	constant_power_AB	26870.0	20853.4	13435.0	10426.7
load	S26	constant_power_BC	31650.0	25392.2	15825.0	12696.1
load	S26	constant_power_CA	37400.0	28050.0	18700.0	14025.0
load	S26	constant_power_AB_real	26870.0	0.0	13435.0	0.0
load	S26	constant_power_BC_real	31650.0	0.0	15825.0	0.0
load	S26	constant_power_CA_real	37400.0	0.0	18700.0	0.0
load	S26	constant_power_AB_reac	20853.4	0.0	10426.7	0.0
load	S26	constant_power_BC_reac	25392.2	0.0	12696.1	0.0
load	S26	constant_power_CA_reac	28050.0	0.0	14025.0	0.0
load	S31	constant_power_A	13350.0	2710.83	6675.0	1355.415
load	S31	constant_power_B	14570.0	6206.79	7285.0	3103.395
load	S31	constant_power_C	13730.0	5848.96	6865.0	2924.48
load	S31	constant_power_A_real	13350.0	0.0	6675.0	0.0
load	S31	constant_power_B_real	14570.0	0.0	7285.0	0.0
load	S31	constant_power_C_real	13730.0	0.0	6865.0	0.0
load	S31	constant_power_A_reac	2710.83	0.0	1355.415	0.0
load	S31	constant_power_B_reac	6206.79	0.0	3103.395	0.0
load	S31	constant_power_C_reac	5848.96	0.0	2924.48	0.0
load	S31	constant_power_AB	37070.0	27802.5	18535.0	13901.25
load	S31	constant_power_BC	33430.0	21593.7	16715.0	10796.85
load	S31	constant_power_CA	32150.0	26640.4	16075.0	13320.2
load	S31	constant_power_AB_real	37070.0	0.0	18535.0	0.0
load	S31	constant_power_BC_real	33430.0	0.0	16715.0	0.0
load	S31	constant_power_CA_real	32150.0	0.0	16075.0	0.0
load	S31	constant_power_AB_reac	27802.5	0.0	13901.25	0.0
load	S31	constant_power_BC_reac	21593.7	0.0	10796.85	0.0
load	S31	constant_power_CA_reac	26640.4	0.0	13320.2	0.0
load	S32	constant_power_A	11650.0	4228.39	5825.0	2114.195
load	S32	constant_power_B	12160.0	5180.14	6080.0	2590.07
load	S32	constant_power_C	13060.0	5563.54	6530.0	2781.77
load	S32	constant_power_A_real	11650.0	0.0	5825.0	0.0
load	S32	constant_power_B_real	12160.0	0.0	6080.0	0.0
load	S32	constant_power_C_real	13060.0	0.0	6530.0	0.0
load	S32	constant_power_A_reac	4228.39	0.0	2114.195	0.0
load	S32	constant_power_B_reac	5180.14	0.0	2590.07	0.0
load	S32	constant_power_C_reac	5563.54	0.0	2781.77	0.0
load	S32	constant_power_AB	30790.0	21491.5	15395.0	10745.75
load	S32	constant_power_BC	30400.0	23593.0	15200.0	11796.5
load	S32	constant_power_CA	28330.0	21247.5	14165.0	10623.75
load	S32	constant_power_AB_real	30790.0	0.0	15395.0	0.0
load	S32	constant_power_BC_real	30400.0	0.0	15200.0	0.0
load	S32	constant_power_CA_real	28330.0	0.0	14165.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S32	constant_power_AB_reac	21491.5	0.0	10745.75	0.0
load	S32	constant_power_BC_reac	23593.0	0.0	11796.5	0.0
load	S32	constant_power_CA_reac	21247.5	0.0	10623.75	0.0
load	S37	constant_power_A	14790.0	6300.51	7395.0	3150.255
load	S37	constant_power_B	12710.0	3185.43	6355.0	1592.715
load	S37	constant_power_C	14390.0	2050.46	7195.0	1025.23
load	S37	constant_power_A_real	14790.0	0.0	7395.0	0.0
load	S37	constant_power_B_real	12710.0	0.0	6355.0	0.0
load	S37	constant_power_C_real	14390.0	0.0	7195.0	0.0
load	S37	constant_power_A_reac	6300.51	0.0	3150.255	0.0
load	S37	constant_power_B_reac	3185.43	0.0	1592.715	0.0
load	S37	constant_power_C_reac	2050.46	0.0	1025.23	0.0
load	S37	constant_power_AB	37320.0	27019.2	18660.0	13509.6
load	S37	constant_power_BC	36930.0	24817.1	18465.0	12408.55
load	S37	constant_power_CA	34430.0	28529.7	17215.0	14264.85
load	S37	constant_power_AB_real	37320.0	0.0	18660.0	0.0
load	S37	constant_power_BC_real	36930.0	0.0	18465.0	0.0
load	S37	constant_power_CA_real	34430.0	0.0	17215.0	0.0
load	S37	constant_power_AB_reac	27019.2	0.0	13509.6	0.0
load	S37	constant_power_BC_reac	24817.1	0.0	12408.55	0.0
load	S37	constant_power_CA_reac	28529.7	0.0	14264.85	0.0
load	S38	constant_power_A	50330.0	21440.5	25165.0	10720.25
load	S38	constant_power_B	55550.0	21954.8	27775.0	10977.4
load	S38	constant_power_C	51740.0	10506.3	25870.0	5253.15
load	S38	constant_power_A_real	50330.0	0.0	25165.0	0.0
load	S38	constant_power_B_real	55550.0	0.0	27775.0	0.0
load	S38	constant_power_C_real	51740.0	0.0	25870.0	0.0
load	S38	constant_power_A_reac	21440.5	0.0	10720.25	0.0
load	S38	constant_power_B_reac	21954.8	0.0	10977.4	0.0
load	S38	constant_power_C_reac	10506.3	0.0	5253.15	0.0
load	S38	constant_power_AB	111430.0	86479.1	55715.0	43239.55
load	S38	constant_power_BC	126130.0	91316.5	63065.0	45658.25
load	S38	constant_power_CA	108740.0	75901.0	54370.0	37950.5
load	S38	constant_power_AB_real	111430.0	0.0	55715.0	0.0
load	S38	constant_power_BC_real	126130.0	0.0	63065.0	0.0
load	S38	constant_power_CA_real	108740.0	0.0	54370.0	0.0
load	S38	constant_power_AB_reac	86479.1	0.0	43239.55	0.0
load	S38	constant_power_BC_reac	91316.5	0.0	45658.25	0.0
load	S38	constant_power_CA_reac	75901.0	0.0	37950.5	0.0
load	S39	constant_power_A	55530.0	20154.7	27765.0	10077.35
load	S39	constant_power_B	41970.0	0.0	20985.0	0.0
load	S39	constant_power_C	54850.0	18028.3	27425.0	9014.15
load	S39	constant_power_A_real	55530.0	0.0	27765.0	0.0
load	S39	constant_power_B_real	41970.0	0.0	20985.0	0.0
load	S39	constant_power_C_real	54850.0	0.0	27425.0	0.0
load	S39	constant_power_A_reac	20154.7	0.0	10077.35	0.0
load	S39	constant_power_C_reac	18028.3	0.0	9014.15	0.0
load	S39	constant_power_AB	131700.0	109130.0	65850.0	54565.0
load	S39	constant_power_BC	102860.0	85232.7	51430.0	42616.35
load	S39	constant_power_CA	100920.0	70442.6	50460.0	35221.3
load	S39	constant_power_AB_real	131700.0	0.0	65850.0	0.0
load	S39	constant_power_BC_real	102860.0	0.0	51430.0	0.0
load	S39	constant_power_CA_real	100920.0	0.0	50460.0	0.0
load	S39	constant_power_AB_reac	109130.0	0.0	54565.0	0.0
load	S39	constant_power_BC_reac	85232.7	0.0	42616.35	0.0
load	S39	constant_power_CA_reac	70442.6	0.0	35221.3	0.0
load	S40	constant_power_A	50670.0	18390.8	25335.0	9195.4
load	S40	constant_power_B	51210.0	12834.4	25605.0	6417.2
load	S40	constant_power_C	46990.0	21409.3	23495.0	10704.65
load	S40	constant_power_A_real	50670.0	0.0	25335.0	0.0
load	S40	constant_power_B_real	51210.0	0.0	25605.0	0.0
load	S40	constant_power_C_real	46990.0	0.0	23495.0	0.0
load	S40	constant_power_A_reac	18390.8	0.0	9195.4	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S40	constant_power_B_reac	12834.4	0.0	6417.2	0.0
load	S40	constant_power_C_reac	21409.3	0.0	10704.65	0.0
load	S40	constant_power_AB	133470.0	93162.6	66735.0	46581.3
load	S40	constant_power_BC	137920.0	92682.8	68960.0	46341.4
load	S40	constant_power_CA	138710.0	96820.2	69355.0	48410.1
load	S40	constant_power_AB_real	133470.0	0.0	66735.0	0.0
load	S40	constant_power_BC_real	137920.0	0.0	68960.0	0.0
load	S40	constant_power_CA_real	138710.0	0.0	69355.0	0.0
load	S40	constant_power_AB_reac	93162.6	0.0	46581.3	0.0
load	S40	constant_power_BC_reac	92682.8	0.0	46341.4	0.0
load	S40	constant_power_CA_reac	96820.2	0.0	48410.1	0.0
load	S41	constant_power_A	14480.0	6597.28	7240.0	3298.64
load	S41	constant_power_B	15580.0	6157.61	7790.0	3078.805
load	S41	constant_power_C	12830.0	2605.24	6415.0	1302.62
load	S41	constant_power_A_real	14480.0	0.0	7240.0	0.0
load	S41	constant_power_B_real	15580.0	0.0	7790.0	0.0
load	S41	constant_power_C_real	12830.0	0.0	6415.0	0.0
load	S41	constant_power_A_reac	6597.28	0.0	3298.64	0.0
load	S41	constant_power_B_reac	6157.61	0.0	3078.805	0.0
load	S41	constant_power_C_reac	2605.24	0.0	1302.62	0.0
load	S41	constant_power_AB	33870.0	23641.4	16935.0	11820.7
load	S41	constant_power_BC	32610.0	21064.0	16305.0	10532.0
load	S41	constant_power_CA	30700.0	20630.5	15350.0	10315.25
load	S41	constant_power_AB_real	33870.0	0.0	16935.0	0.0
load	S41	constant_power_BC_real	32610.0	0.0	16305.0	0.0
load	S41	constant_power_CA_real	30700.0	0.0	15350.0	0.0
load	S41	constant_power_AB_reac	23641.4	0.0	11820.7	0.0
load	S41	constant_power_BC_reac	21064.0	0.0	10532.0	0.0
load	S41	constant_power_CA_reac	20630.5	0.0	10315.25	0.0
load	S42	constant_power_A	28950.0	10507.5	14475.0	5253.75
load	S42	constant_power_B	23630.0	5922.24	11815.0	2961.12
load	S42	constant_power_C	28130.0	4008.31	14065.0	2004.155
load	S42	constant_power_A_real	28950.0	0.0	14475.0	0.0
load	S42	constant_power_B_real	23630.0	0.0	11815.0	0.0
load	S42	constant_power_C_real	28130.0	0.0	14065.0	0.0
load	S42	constant_power_A_reac	10507.5	0.0	5253.75	0.0
load	S42	constant_power_B_reac	5922.24	0.0	2961.12	0.0
load	S42	constant_power_C_reac	4008.31	0.0	2004.155	0.0
load	S42	constant_power_AB	72320.0	52358.8	36160.0	26179.4
load	S42	constant_power_BC	60670.0	50272.9	30335.0	25136.45
load	S42	constant_power_CA	69800.0	46905.9	34900.0	23452.95
load	S42	constant_power_AB_real	72320.0	0.0	36160.0	0.0
load	S42	constant_power_BC_real	60670.0	0.0	30335.0	0.0
load	S42	constant_power_CA_real	69800.0	0.0	34900.0	0.0
load	S42	constant_power_AB_reac	52358.8	0.0	26179.4	0.0
load	S42	constant_power_BC_reac	50272.9	0.0	25136.45	0.0
load	S42	constant_power_CA_reac	46905.9	0.0	23452.95	0.0
load	S43	constant_power_A	24590.0	6162.83	12295.0	3081.415
load	S43	constant_power_B	25810.0	0.0	12905.0	0.0
load	S43	constant_power_C	26970.0	8864.61	13485.0	4432.305
load	S43	constant_power_A_real	24590.0	0.0	12295.0	0.0
load	S43	constant_power_B_real	25810.0	0.0	12905.0	0.0
load	S43	constant_power_C_real	26970.0	0.0	13485.0	0.0
load	S43	constant_power_A_reac	6162.83	0.0	3081.415	0.0
load	S43	constant_power_C_reac	8864.61	0.0	4432.305	0.0
load	S43	constant_power_AB	64920.0	43626.5	32460.0	21813.25
load	S43	constant_power_BC	65390.0	54184.0	32695.0	27092.0
load	S43	constant_power_CA	63610.0	42746.2	31805.0	21373.1
load	S43	constant_power_AB_real	64920.0	0.0	32460.0	0.0
load	S43	constant_power_BC_real	65390.0	0.0	32695.0	0.0
load	S43	constant_power_CA_real	63610.0	0.0	31805.0	0.0
load	S43	constant_power_AB_reac	43626.5	0.0	21813.25	0.0
load	S43	constant_power_BC_reac	54184.0	0.0	27092.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S43	constant_power_CA_reac	42746.2	0.0	21373.1	0.0
load	S46	constant_power_A	46340.0	13515.8	23170.0	6757.9
load	S46	constant_power_B	47650.0	13897.9	23825.0	6948.95
load	S46	constant_power_C	45080.0	14817.1	22540.0	7408.55
load	S46	constant_power_A_real	46340.0	0.0	23170.0	0.0
load	S46	constant_power_B_real	47650.0	0.0	23825.0	0.0
load	S46	constant_power_C_real	45080.0	0.0	22540.0	0.0
load	S46	constant_power_A_reac	13515.8	0.0	6757.9	0.0
load	S46	constant_power_B_reac	13897.9	0.0	6948.95	0.0
load	S46	constant_power_C_reac	14817.1	0.0	7408.55	0.0
load	S46	constant_power_AB	119880.0	93037.0	59940.0	46518.5
load	S46	constant_power_BC	117600.0	85140.9	58800.0	42570.45
load	S46	constant_power_CA	112170.0	78295.1	56085.0	39147.55
load	S46	constant_power_AB_real	119880.0	0.0	59940.0	0.0
load	S46	constant_power_BC_real	117600.0	0.0	58800.0	0.0
load	S46	constant_power_CA_real	112170.0	0.0	56085.0	0.0
load	S46	constant_power_AB_reac	93037.0	0.0	46518.5	0.0
load	S46	constant_power_BC_reac	85140.9	0.0	42570.45	0.0
load	S46	constant_power_CA_reac	78295.1	0.0	39147.55	0.0
load	S47	constant_power_A	54560.0	24858.3	27280.0	12429.15
load	S47	constant_power_B	48850.0	9919.42	24425.0	4959.71
load	S47	constant_power_C	49340.0	16217.3	24670.0	8108.65
load	S47	constant_power_A_real	54560.0	0.0	27280.0	0.0
load	S47	constant_power_B_real	48850.0	0.0	24425.0	0.0
load	S47	constant_power_C_real	49340.0	0.0	24670.0	0.0
load	S47	constant_power_A_reac	24858.3	0.0	12429.15	0.0
load	S47	constant_power_B_reac	9919.42	0.0	4959.71	0.0
load	S47	constant_power_C_reac	16217.3	0.0	8108.65	0.0
load	S47	constant_power_AB	119480.0	92726.6	59740.0	46363.3
load	S47	constant_power_BC	136410.0	105866.0	68205.0	52933.0
load	S47	constant_power_CA	126020.0	87962.5	63010.0	43981.25
load	S47	constant_power_AB_real	119480.0	0.0	59740.0	0.0
load	S47	constant_power_BC_real	136410.0	0.0	68205.0	0.0
load	S47	constant_power_CA_real	126020.0	0.0	63010.0	0.0
load	S47	constant_power_AB_reac	92726.6	0.0	46363.3	0.0
load	S47	constant_power_BC_reac	105866.0	0.0	52933.0	0.0
load	S47	constant_power_CA_reac	87962.5	0.0	43981.25	0.0
load	S48	constant_power_A	60610.0	27614.7	30305.0	13807.35
load	S48	constant_power_B	51620.0	12937.2	25810.0	6468.6
load	S48	constant_power_C	53050.0	13295.6	26525.0	6647.8
load	S48	constant_power_A_real	60610.0	0.0	30305.0	0.0
load	S48	constant_power_B_real	51620.0	0.0	25810.0	0.0
load	S48	constant_power_C_real	53050.0	0.0	26525.0	0.0
load	S48	constant_power_A_reac	27614.7	0.0	13807.35	0.0
load	S48	constant_power_B_reac	12937.2	0.0	6468.6	0.0
load	S48	constant_power_C_reac	13295.6	0.0	6647.8	0.0
load	S48	constant_power_AB	115730.0	83787.1	57865.0	41893.55
load	S48	constant_power_BC	123570.0	83039.5	61785.0	41519.75
load	S48	constant_power_CA	131510.0	98632.5	65755.0	49316.25
load	S48	constant_power_AB_real	115730.0	0.0	57865.0	0.0
load	S48	constant_power_BC_real	123570.0	0.0	61785.0	0.0
load	S48	constant_power_CA_real	131510.0	0.0	65755.0	0.0
load	S48	constant_power_AB_reac	83787.1	0.0	41893.55	0.0
load	S48	constant_power_BC_reac	83039.5	0.0	41519.75	0.0
load	S48	constant_power_CA_reac	98632.5	0.0	49316.25	0.0
load	S51	constant_power_A	46640.0	18433.3	23320.0	9216.65
load	S51	constant_power_B	44820.0	17714.0	22410.0	8857.0
load	S51	constant_power_C	54850.0	21678.1	27425.0	10839.05
load	S51	constant_power_A_real	46640.0	0.0	23320.0	0.0
load	S51	constant_power_B_real	44820.0	0.0	22410.0	0.0
load	S51	constant_power_C_real	54850.0	0.0	27425.0	0.0
load	S51	constant_power_A_reac	18433.3	0.0	9216.65	0.0
load	S51	constant_power_B_reac	17714.0	0.0	8857.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S51	constant_power_C_reac	21678.1	0.0	10839.05	0.0
load	S51	constant_power_AB	109390.0	82042.5	54695.0	41021.25
load	S51	constant_power_BC	135190.0	115609.0	67595.0	57804.5
load	S51	constant_power_CA	117660.0	79068.0	58830.0	39534.0
load	S51	constant_power_AB_real	109390.0	0.0	54695.0	0.0
load	S51	constant_power_BC_real	135190.0	0.0	67595.0	0.0
load	S51	constant_power_CA_real	117660.0	0.0	58830.0	0.0
load	S51	constant_power_AB_reac	82042.5	0.0	41021.25	0.0
load	S51	constant_power_BC_reac	115609.0	0.0	57804.5	0.0
load	S51	constant_power_CA_reac	79068.0	0.0	39534.0	0.0
load	S52	constant_power_A	45060.0	19195.5	22530.0	9597.75
load	S52	constant_power_B	44960.0	14777.6	22480.0	7388.8
load	S52	constant_power_C	43750.0	15879.1	21875.0	7939.55
load	S52	constant_power_A_real	45060.0	0.0	22530.0	0.0
load	S52	constant_power_B_real	44960.0	0.0	22480.0	0.0
load	S52	constant_power_C_real	43750.0	0.0	21875.0	0.0
load	S52	constant_power_A_reac	19195.5	0.0	9597.75	0.0
load	S52	constant_power_B_reac	14777.6	0.0	7388.8	0.0
load	S52	constant_power_C_reac	15879.1	0.0	7939.55	0.0
load	S52	constant_power_AB	118950.0	83027.6	59475.0	41513.8
load	S52	constant_power_BC	115350.0	89521.4	57675.0	44760.7
load	S52	constant_power_CA	118190.0	85568.1	59095.0	42784.05
load	S52	constant_power_AB_real	118950.0	0.0	59475.0	0.0
load	S52	constant_power_BC_real	115350.0	0.0	57675.0	0.0
load	S52	constant_power_CA_real	118190.0	0.0	59095.0	0.0
load	S52	constant_power_AB_reac	83027.6	0.0	41513.8	0.0
load	S52	constant_power_BC_reac	89521.4	0.0	44760.7	0.0
load	S52	constant_power_CA_reac	85568.1	0.0	42784.05	0.0
load	S53	constant_power_A	49150.0	7003.5	24575.0	3501.75
load	S53	constant_power_B	51840.0	22083.8	25920.0	11041.9
load	S53	constant_power_C	46560.0	6634.44	23280.0	3317.22
load	S53	constant_power_A_real	49150.0	0.0	24575.0	0.0
load	S53	constant_power_B_real	51840.0	0.0	25920.0	0.0
load	S53	constant_power_C_real	46560.0	0.0	23280.0	0.0
load	S53	constant_power_A_reac	7003.5	0.0	3501.75	0.0
load	S53	constant_power_B_reac	22083.8	0.0	11041.9	0.0
load	S53	constant_power_C_reac	6634.44	0.0	3317.22	0.0
load	S53	constant_power_AB	107230.0	72059.0	53615.0	36029.5
load	S53	constant_power_BC	98130.0	68495.2	49065.0	34247.6
load	S53	constant_power_CA	108480.0	84189.7	54240.0	42094.85
load	S53	constant_power_AB_real	107230.0	0.0	53615.0	0.0
load	S53	constant_power_BC_real	98130.0	0.0	49065.0	0.0
load	S53	constant_power_CA_real	108480.0	0.0	54240.0	0.0
load	S53	constant_power_AB_reac	72059.0	0.0	36029.5	0.0
load	S53	constant_power_BC_reac	68495.2	0.0	34247.6	0.0
load	S53	constant_power_CA_reac	84189.7	0.0	42094.85	0.0
load	S56	constant_power_A	41450.0	15044.3	20725.0	7522.15
load	S56	constant_power_B	52450.0	22343.6	26225.0	11171.8
load	S56	constant_power_C	42660.0	18173.1	21330.0	9086.55
load	S56	constant_power_A_real	41450.0	0.0	20725.0	0.0
load	S56	constant_power_B_real	52450.0	0.0	26225.0	0.0
load	S56	constant_power_C_real	42660.0	0.0	21330.0	0.0
load	S56	constant_power_A_reac	15044.3	0.0	7522.15	0.0
load	S56	constant_power_B_reac	22343.6	0.0	11171.8	0.0
load	S56	constant_power_C_reac	18173.1	0.0	9086.55	0.0
load	S56	constant_power_AB	111580.0	89518.6	55790.0	44759.3
load	S56	constant_power_BC	125950.0	84638.9	62975.0	42319.45
load	S56	constant_power_CA	114430.0	73914.5	57215.0	36957.25
load	S56	constant_power_AB_real	111580.0	0.0	55790.0	0.0
load	S56	constant_power_BC_real	125950.0	0.0	62975.0	0.0
load	S56	constant_power_CA_real	114430.0	0.0	57215.0	0.0
load	S56	constant_power_AB_reac	89518.6	0.0	44759.3	0.0
load	S56	constant_power_BC_reac	84638.9	0.0	42319.45	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S56	constant_power_CA_reac	73914.5	0.0	36957.25	0.0
load	S57	constant_power_A	51440.0	12892.1	25720.0	6446.05
load	S57	constant_power_B	51900.0	0.0	25950.0	0.0
load	S57	constant_power_C	52650.0	17305.2	26325.0	8652.6
load	S57	constant_power_A_real	51440.0	0.0	25720.0	0.0
load	S57	constant_power_B_real	51900.0	0.0	25950.0	0.0
load	S57	constant_power_C_real	52650.0	0.0	26325.0	0.0
load	S57	constant_power_A_reac	12892.1	0.0	6446.05	0.0
load	S57	constant_power_C_reac	17305.2	0.0	8652.6	0.0
load	S57	constant_power_AB	136780.0	102585.0	68390.0	51292.5
load	S57	constant_power_BC	130060.0	104345.0	65030.0	52172.5
load	S57	constant_power_CA	132480.0	99360.0	66240.0	49680.0
load	S57	constant_power_AB_real	136780.0	0.0	68390.0	0.0
load	S57	constant_power_BC_real	130060.0	0.0	65030.0	0.0
load	S57	constant_power_CA_real	132480.0	0.0	66240.0	0.0
load	S57	constant_power_AB_reac	102585.0	0.0	51292.5	0.0
load	S57	constant_power_BC_reac	104345.0	0.0	52172.5	0.0
load	S57	constant_power_CA_reac	99360.0	0.0	49680.0	0.0
load	S58	constant_power_A	58400.0	24878.3	29200.0	12439.15
load	S58	constant_power_B	45120.0	11308.1	22560.0	5654.05
load	S58	constant_power_C	49060.0	14309.2	24530.0	7154.6
load	S58	constant_power_A_real	58400.0	0.0	29200.0	0.0
load	S58	constant_power_B_real	45120.0	0.0	22560.0	0.0
load	S58	constant_power_C_real	49060.0	0.0	24530.0	0.0
load	S58	constant_power_A_reac	24878.3	0.0	12439.15	0.0
load	S58	constant_power_B_reac	11308.1	0.0	5654.05	0.0
load	S58	constant_power_C_reac	14309.2	0.0	7154.6	0.0
load	S58	constant_power_AB	104870.0	70473.1	52435.0	35236.55
load	S58	constant_power_BC	109530.0	79298.4	54765.0	39649.2
load	S58	constant_power_CA	106220.0	88016.9	53110.0	44008.45
load	S58	constant_power_AB_real	104870.0	0.0	52435.0	0.0
load	S58	constant_power_BC_real	109530.0	0.0	54765.0	0.0
load	S58	constant_power_CA_real	106220.0	0.0	53110.0	0.0
load	S58	constant_power_AB_reac	70473.1	0.0	35236.55	0.0
load	S58	constant_power_BC_reac	79298.4	0.0	39649.2	0.0
load	S58	constant_power_CA_reac	88016.9	0.0	44008.45	0.0
load	S61	constant_power_A	24390.0	8852.39	12195.0	4426.195
load	S61	constant_power_B	22950.0	6693.75	11475.0	3346.875
load	S61	constant_power_C	21860.0	6375.83	10930.0	3187.915
load	S61	constant_power_A_real	24390.0	0.0	12195.0	0.0
load	S61	constant_power_B_real	22950.0	0.0	11475.0	0.0
load	S61	constant_power_C_real	21860.0	0.0	10930.0	0.0
load	S61	constant_power_A_reac	8852.39	0.0	4426.195	0.0
load	S61	constant_power_B_reac	6693.75	0.0	3346.875	0.0
load	S61	constant_power_C_reac	6375.83	0.0	3187.915	0.0
load	S61	constant_power_AB	59210.0	39789.4	29605.0	19894.7
load	S61	constant_power_BC	59660.0	47864.1	29830.0	23932.05
load	S61	constant_power_CA	70380.0	49125.5	35190.0	24562.75
load	S61	constant_power_AB_real	59210.0	0.0	29605.0	0.0
load	S61	constant_power_BC_real	59660.0	0.0	29830.0	0.0
load	S61	constant_power_CA_real	70380.0	0.0	35190.0	0.0
load	S61	constant_power_AB_reac	39789.4	0.0	19894.7	0.0
load	S61	constant_power_BC_reac	47864.1	0.0	23932.05	0.0
load	S61	constant_power_CA_reac	49125.5	0.0	24562.75	0.0
load	S62	constant_power_A	12680.0	4602.23	6340.0	2301.115
load	S62	constant_power_B	13220.0	4798.22	6610.0	2399.11
load	S62	constant_power_C	11860.0	5403.58	5930.0	2701.79
load	S62	constant_power_A_real	12680.0	0.0	6340.0	0.0
load	S62	constant_power_B_real	13220.0	0.0	6610.0	0.0
load	S62	constant_power_C_real	11860.0	0.0	5930.0	0.0
load	S62	constant_power_A_reac	4602.23	0.0	2301.115	0.0
load	S62	constant_power_B_reac	4798.22	0.0	2399.11	0.0
load	S62	constant_power_C_reac	5403.58	0.0	2701.79	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S62	constant_power_AB	32280.0	22531.6	16140.0	11265.8
load	S62	constant_power_BC	34950.0	23486.5	17475.0	11743.25
load	S62	constant_power_CA	29750.0	23088.5	14875.0	11544.25
load	S62	constant_power_AB_real	32280.0	0.0	16140.0	0.0
load	S62	constant_power_BC_real	34950.0	0.0	17475.0	0.0
load	S62	constant_power_CA_real	29750.0	0.0	14875.0	0.0
load	S62	constant_power_AB_reac	22531.6	0.0	11265.8	0.0
load	S62	constant_power_BC_reac	23486.5	0.0	11743.25	0.0
load	S62	constant_power_CA_reac	23088.5	0.0	11544.25	0.0
load	S63	constant_power_A	13060.0	4740.15	6530.0	2370.075
load	S63	constant_power_B	11520.0	4907.5	5760.0	2453.75
load	S63	constant_power_C	15280.0	6961.77	7640.0	3480.885
load	S63	constant_power_A_real	13060.0	0.0	6530.0	0.0
load	S63	constant_power_B_real	11520.0	0.0	5760.0	0.0
load	S63	constant_power_C_real	15280.0	0.0	7640.0	0.0
load	S63	constant_power_A_reac	4740.15	0.0	2370.075	0.0
load	S63	constant_power_B_reac	4907.5	0.0	2453.75	0.0
load	S63	constant_power_C_reac	6961.77	0.0	3480.885	0.0
load	S63	constant_power_AB	35060.0	29051.7	17530.0	14525.85
load	S63	constant_power_BC	31530.0	20366.4	15765.0	10183.2
load	S63	constant_power_CA	32360.0	22587.4	16180.0	11293.7
load	S63	constant_power_AB_real	35060.0	0.0	17530.0	0.0
load	S63	constant_power_BC_real	31530.0	0.0	15765.0	0.0
load	S63	constant_power_CA_real	32360.0	0.0	16180.0	0.0
load	S63	constant_power_AB_reac	29051.7	0.0	14525.85	0.0
load	S63	constant_power_BC_reac	20366.4	0.0	10183.2	0.0
load	S63	constant_power_CA_reac	22587.4	0.0	11293.7	0.0
load	S64	constant_power_A	54280.0	23123.2	27140.0	11561.6
load	S64	constant_power_B	48220.0	9791.49	24110.0	4895.745
load	S64	constant_power_C	43590.0	8851.33	21795.0	4425.665
load	S64	constant_power_A_real	54280.0	0.0	27140.0	0.0
load	S64	constant_power_B_real	48220.0	0.0	24110.0	0.0
load	S64	constant_power_C_real	43590.0	0.0	21795.0	0.0
load	S64	constant_power_A_reac	23123.2	0.0	11561.6	0.0
load	S64	constant_power_B_reac	9791.49	0.0	4895.745	0.0
load	S64	constant_power_C_reac	8851.33	0.0	4425.665	0.0
load	S64	constant_power_AB	125890.0	91142.8	62945.0	45571.4
load	S64	constant_power_BC	120310.0	93370.7	60155.0	46685.35
load	S64	constant_power_CA	122470.0	85484.6	61235.0	42742.3
load	S64	constant_power_AB_real	125890.0	0.0	62945.0	0.0
load	S64	constant_power_BC_real	120310.0	0.0	60155.0	0.0
load	S64	constant_power_CA_real	122470.0	0.0	61235.0	0.0
load	S64	constant_power_AB_reac	91142.8	0.0	45571.4	0.0
load	S64	constant_power_BC_reac	93370.7	0.0	46685.35	0.0
load	S64	constant_power_CA_reac	85484.6	0.0	42742.3	0.0
load	S65	constant_power_A	45340.0	14902.5	22670.0	7451.25
load	S65	constant_power_B	48490.0	6909.45	24245.0	3454.725
load	S65	constant_power_C	54020.0	7697.43	27010.0	3848.715
load	S65	constant_power_A_real	45340.0	0.0	22670.0	0.0
load	S65	constant_power_B_real	48490.0	0.0	24245.0	0.0
load	S65	constant_power_C_real	54020.0	0.0	27010.0	0.0
load	S65	constant_power_A_reac	14902.5	0.0	7451.25	0.0
load	S65	constant_power_B_reac	6909.45	0.0	3454.725	0.0
load	S65	constant_power_C_reac	7697.43	0.0	3848.715	0.0
load	S65	constant_power_AB	105360.0	90099.9	52680.0	45049.95
load	S65	constant_power_BC	122000.0	91500.0	61000.0	45750.0
load	S65	constant_power_CA	124940.0	90455.0	62470.0	45227.5
load	S65	constant_power_AB_real	105360.0	0.0	52680.0	0.0
load	S65	constant_power_BC_real	122000.0	0.0	61000.0	0.0
load	S65	constant_power_CA_real	124940.0	0.0	62470.0	0.0
load	S65	constant_power_AB_reac	90099.9	0.0	45049.95	0.0
load	S65	constant_power_BC_reac	91500.0	0.0	45750.0	0.0
load	S65	constant_power_CA_reac	90455.0	0.0	45227.5	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S66	constant_power_A	42670.0	12445.4	21335.0	6222.7
load	S66	constant_power_B	44750.0	9086.88	22375.0	4543.44
load	S66	constant_power_C	53420.0	15580.8	26710.0	7790.4
load	S66	constant_power_A_real	42670.0	0.0	21335.0	0.0
load	S66	constant_power_B_real	44750.0	0.0	22375.0	0.0
load	S66	constant_power_C_real	53420.0	0.0	26710.0	0.0
load	S66	constant_power_A_reac	12445.4	0.0	6222.7	0.0
load	S66	constant_power_B_reac	9086.88	0.0	4543.44	0.0
load	S66	constant_power_C_reac	15580.8	0.0	7790.4	0.0
load	S66	constant_power_AB	125460.0	103960.0	62730.0	51980.0
load	S66	constant_power_BC	126260.0	97988.4	63130.0	48994.2
load	S66	constant_power_CA	115650.0	77717.3	57825.0	38858.65
load	S66	constant_power_AB_real	125460.0	0.0	62730.0	0.0
load	S66	constant_power_BC_real	126260.0	0.0	63130.0	0.0
load	S66	constant_power_CA_real	115650.0	0.0	57825.0	0.0
load	S66	constant_power_AB_reac	103960.0	0.0	51980.0	0.0
load	S66	constant_power_BC_reac	97988.4	0.0	48994.2	0.0
load	S66	constant_power_CA_reac	77717.3	0.0	38858.65	0.0
load	S67	constant_power_A	15890.0	5767.3	7945.0	2883.65
load	S67	constant_power_B	12320.0	5248.3	6160.0	2624.15
load	S67	constant_power_C	13710.0	5418.54	6855.0	2709.27
load	S67	constant_power_A_real	15890.0	0.0	7945.0	0.0
load	S67	constant_power_B_real	12320.0	0.0	6160.0	0.0
load	S67	constant_power_C_real	13710.0	0.0	6855.0	0.0
load	S67	constant_power_A_reac	5767.3	0.0	2883.65	0.0
load	S67	constant_power_B_reac	5248.3	0.0	2624.15	0.0
load	S67	constant_power_C_reac	5418.54	0.0	2709.27	0.0
load	S67	constant_power_AB	34860.0	25238.2	17430.0	12619.1
load	S67	constant_power_BC	31690.0	21295.8	15845.0	10647.9
load	S67	constant_power_CA	35290.0	25549.5	17645.0	12774.75
load	S67	constant_power_AB_real	34860.0	0.0	17430.0	0.0
load	S67	constant_power_BC_real	31690.0	0.0	15845.0	0.0
load	S67	constant_power_CA_real	35290.0	0.0	17645.0	0.0
load	S67	constant_power_AB_reac	25238.2	0.0	12619.1	0.0
load	S67	constant_power_BC_reac	21295.8	0.0	10647.9	0.0
load	S67	constant_power_CA_reac	25549.5	0.0	12774.75	0.0
load	S72	constant_power_A	11810.0	2959.87	5905.0	1479.935
load	S72	constant_power_B	13580.0	6187.23	6790.0	3093.615
load	S72	constant_power_C	15460.0	2202.93	7730.0	1101.465
load	S72	constant_power_A_real	11810.0	0.0	5905.0	0.0
load	S72	constant_power_B_real	13580.0	0.0	6790.0	0.0
load	S72	constant_power_C_real	15460.0	0.0	7730.0	0.0
load	S72	constant_power_A_reac	2959.87	0.0	1479.935	0.0
load	S72	constant_power_B_reac	6187.23	0.0	3093.615	0.0
load	S72	constant_power_C_reac	2202.93	0.0	1101.465	0.0
load	S72	constant_power_AB	26980.0	22356.4	13490.0	11178.2
load	S72	constant_power_BC	30490.0	22867.5	15245.0	11433.75
load	S72	constant_power_CA	30710.0	23833.6	15355.0	11916.8
load	S72	constant_power_AB_real	26980.0	0.0	13490.0	0.0
load	S72	constant_power_BC_real	30490.0	0.0	15245.0	0.0
load	S72	constant_power_CA_real	30710.0	0.0	15355.0	0.0
load	S72	constant_power_AB_reac	22356.4	0.0	11178.2	0.0
load	S72	constant_power_BC_reac	22867.5	0.0	11433.75	0.0
load	S72	constant_power_CA_reac	23833.6	0.0	11916.8	0.0
load	S73	constant_power_A	12070.0	1719.88	6035.0	859.94
load	S73	constant_power_B	12470.0	4098.69	6235.0	2049.345
load	S73	constant_power_C	12480.0	2534.17	6240.0	1267.085
load	S73	constant_power_A_real	12070.0	0.0	6035.0	0.0
load	S73	constant_power_B_real	12470.0	0.0	6235.0	0.0
load	S73	constant_power_C_real	12480.0	0.0	6240.0	0.0
load	S73	constant_power_A_reac	1719.88	0.0	859.94	0.0
load	S73	constant_power_B_reac	4098.69	0.0	2049.345	0.0
load	S73	constant_power_C_reac	2534.17	0.0	1267.085	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S73	constant_power_AB	34720.0	29691.2	17360.0	14845.6
load	S73	constant_power_BC	31960.0	26483.0	15980.0	13241.5
load	S73	constant_power_CA	31400.0	24369.1	15700.0	12184.55
load	S73	constant_power_AB_real	34720.0	0.0	17360.0	0.0
load	S73	constant_power_BC_real	31960.0	0.0	15980.0	0.0
load	S73	constant_power_CA_real	31400.0	0.0	15700.0	0.0
load	S73	constant_power_AB_reac	29691.2	0.0	14845.6	0.0
load	S73	constant_power_BC_reac	26483.0	0.0	13241.5	0.0
load	S73	constant_power_CA_reac	24369.1	0.0	12184.55	0.0
load	S78	constant_power_A	15290.0	2178.71	7645.0	1089.355
load	S78	constant_power_B	14960.0	6815.98	7480.0	3407.99
load	S78	constant_power_C	12600.0	5740.73	6300.0	2870.365
load	S78	constant_power_A_real	15290.0	0.0	7645.0	0.0
load	S78	constant_power_B_real	14960.0	0.0	7480.0	0.0
load	S78	constant_power_C_real	12600.0	0.0	6300.0	0.0
load	S78	constant_power_A_reac	2178.71	0.0	1089.355	0.0
load	S78	constant_power_B_reac	6815.98	0.0	3407.99	0.0
load	S78	constant_power_C_reac	5740.73	0.0	2870.365	0.0
load	S78	constant_power_AB	33500.0	23383.1	16750.0	11691.55
load	S78	constant_power_BC	31460.0	23595.0	15730.0	11797.5
load	S78	constant_power_CA	34090.0	26456.7	17045.0	13228.35
load	S78	constant_power_AB_real	33500.0	0.0	16750.0	0.0
load	S78	constant_power_BC_real	31460.0	0.0	15730.0	0.0
load	S78	constant_power_CA_real	34090.0	0.0	17045.0	0.0
load	S78	constant_power_AB_reac	23383.1	0.0	11691.55	0.0
load	S78	constant_power_BC_reac	23595.0	0.0	11797.5	0.0
load	S78	constant_power_CA_reac	26456.7	0.0	13228.35	0.0
load	S79	constant_power_A	39080.0	12845.0	19540.0	6422.5
load	S79	constant_power_B	35840.0	14164.9	17920.0	7082.45
load	S79	constant_power_C	35530.0	11678.1	17765.0	5839.05
load	S79	constant_power_A_real	39080.0	0.0	19540.0	0.0
load	S79	constant_power_B_real	35840.0	0.0	17920.0	0.0
load	S79	constant_power_C_real	35530.0	0.0	17765.0	0.0
load	S79	constant_power_A_reac	12845.0	0.0	6422.5	0.0
load	S79	constant_power_B_reac	14164.9	0.0	7082.45	0.0
load	S79	constant_power_C_reac	11678.1	0.0	5839.05	0.0
load	S79	constant_power_AB	98600.0	66259.6	49300.0	33129.8
load	S79	constant_power_BC	87850.0	56745.5	43925.0	28372.75
load	S79	constant_power_CA	94070.0	80445.1	47035.0	40222.55
load	S79	constant_power_AB_real	98600.0	0.0	49300.0	0.0
load	S79	constant_power_BC_real	87850.0	0.0	43925.0	0.0
load	S79	constant_power_CA_real	94070.0	0.0	47035.0	0.0
load	S79	constant_power_AB_reac	66259.6	0.0	33129.8	0.0
load	S79	constant_power_BC_reac	56745.5	0.0	28372.75	0.0
load	S79	constant_power_CA_reac	80445.1	0.0	40222.55	0.0
load	S80	constant_power_A	54970.0	25045.1	27485.0	12522.55
load	S80	constant_power_B	45980.0	20949.1	22990.0	10474.55
load	S80	constant_power_C	44050.0	8944.73	22025.0	4472.365
load	S80	constant_power_A_real	54970.0	0.0	27485.0	0.0
load	S80	constant_power_B_real	45980.0	0.0	22990.0	0.0
load	S80	constant_power_C_real	44050.0	0.0	22025.0	0.0
load	S80	constant_power_A_reac	25045.1	0.0	12522.55	0.0
load	S80	constant_power_B_reac	20949.1	0.0	10474.55	0.0
load	S80	constant_power_C_reac	8944.73	0.0	4472.365	0.0
load	S80	constant_power_AB	104060.0	75338.1	52030.0	37669.05
load	S80	constant_power_BC	121400.0	91050.0	60700.0	45525.0
load	S80	constant_power_CA	111200.0	92143.5	55600.0	46071.75
load	S80	constant_power_AB_real	104060.0	0.0	52030.0	0.0
load	S80	constant_power_BC_real	121400.0	0.0	60700.0	0.0
load	S80	constant_power_CA_real	111200.0	0.0	55600.0	0.0
load	S80	constant_power_AB_reac	75338.1	0.0	37669.05	0.0
load	S80	constant_power_BC_reac	91050.0	0.0	45525.0	0.0
load	S80	constant_power_CA_reac	92143.5	0.0	46071.75	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S81	constant_power_A	68100.0	17067.5	34050.0	8533.75
load	S81	constant_power_B	64430.0	18792.1	32215.0	9396.05
load	S81	constant_power_C	52550.0	7487.97	26275.0	3743.985
load	S81	constant_power_A_real	68100.0	0.0	34050.0	0.0
load	S81	constant_power_B_real	64430.0	0.0	32215.0	0.0
load	S81	constant_power_C_real	52550.0	0.0	26275.0	0.0
load	S81	constant_power_A_reac	17067.5	0.0	8533.75	0.0
load	S81	constant_power_B_reac	18792.1	0.0	9396.05	0.0
load	S81	constant_power_C_reac	7487.97	0.0	3743.985	0.0
load	S81	constant_power_AB	138660.0	103995.0	69330.0	51997.5
load	S81	constant_power_BC	132130.0	109487.0	66065.0	54743.5
load	S81	constant_power_CA	133970.0	96992.6	66985.0	48496.3
load	S81	constant_power_AB_real	138660.0	0.0	69330.0	0.0
load	S81	constant_power_BC_real	132130.0	0.0	66065.0	0.0
load	S81	constant_power_CA_real	133970.0	0.0	66985.0	0.0
load	S81	constant_power_AB_reac	103995.0	0.0	51997.5	0.0
load	S81	constant_power_BC_reac	109487.0	0.0	54743.5	0.0
load	S81	constant_power_CA_reac	96992.6	0.0	48496.3	0.0
load	S82	constant_power_A	17300.0	5686.24	8650.0	2843.12
load	S82	constant_power_B	14440.0	6151.41	7220.0	3075.705
load	S82	constant_power_C	12520.0	5333.5	6260.0	2666.75
load	S82	constant_power_A_real	17300.0	0.0	8650.0	0.0
load	S82	constant_power_B_real	14440.0	0.0	7220.0	0.0
load	S82	constant_power_C_real	12520.0	0.0	6260.0	0.0
load	S82	constant_power_A_reac	5686.24	0.0	2843.12	0.0
load	S82	constant_power_B_reac	6151.41	0.0	3075.705	0.0
load	S82	constant_power_C_reac	5333.5	0.0	2666.75	0.0
load	S82	constant_power_AB	30270.0	25082.6	15135.0	12541.3
load	S82	constant_power_BC	33290.0	24967.5	16645.0	12483.75
load	S82	constant_power_CA	33370.0	24159.5	16685.0	12079.75
load	S82	constant_power_AB_real	30270.0	0.0	15135.0	0.0
load	S82	constant_power_BC_real	33290.0	0.0	16645.0	0.0
load	S82	constant_power_CA_real	33370.0	0.0	16685.0	0.0
load	S82	constant_power_AB_reac	25082.6	0.0	12541.3	0.0
load	S82	constant_power_BC_reac	24967.5	0.0	12483.75	0.0
load	S82	constant_power_CA_reac	24159.5	0.0	12079.75	0.0
load	S83	constant_power_A	14760.0	2103.19	7380.0	1051.595
load	S83	constant_power_B	13060.0	3809.17	6530.0	1904.585
load	S83	constant_power_C	12020.0	2440.77	6010.0	1220.385
load	S83	constant_power_A_real	14760.0	0.0	7380.0	0.0
load	S83	constant_power_B_real	13060.0	0.0	6530.0	0.0
load	S83	constant_power_C_real	12020.0	0.0	6010.0	0.0
load	S83	constant_power_A_reac	2103.19	0.0	1051.595	0.0
load	S83	constant_power_B_reac	3809.17	0.0	1904.585	0.0
load	S83	constant_power_C_reac	2440.77	0.0	1220.385	0.0
load	S83	constant_power_AB	35750.0	26812.5	17875.0	13406.25
load	S83	constant_power_BC	36620.0	27465.0	18310.0	13732.5
load	S83	constant_power_CA	29580.0	22185.0	14790.0	11092.5
load	S83	constant_power_AB_real	35750.0	0.0	17875.0	0.0
load	S83	constant_power_BC_real	36620.0	0.0	18310.0	0.0
load	S83	constant_power_CA_real	29580.0	0.0	14790.0	0.0
load	S83	constant_power_AB_reac	26812.5	0.0	13406.25	0.0
load	S83	constant_power_BC_reac	27465.0	0.0	13732.5	0.0
load	S83	constant_power_CA_reac	22185.0	0.0	11092.5	0.0
load	S84	constant_power_A	32900.0	10813.7	16450.0	5406.85
load	S84	constant_power_B	46570.0	13582.9	23285.0	6791.45
load	S84	constant_power_C	46650.0	13606.2	23325.0	6803.1
load	S84	constant_power_A_real	32900.0	0.0	16450.0	0.0
load	S84	constant_power_B_real	46570.0	0.0	23285.0	0.0
load	S84	constant_power_C_real	46650.0	0.0	23325.0	0.0
load	S84	constant_power_A_reac	10813.7	0.0	5406.85	0.0
load	S84	constant_power_B_reac	13582.9	0.0	6791.45	0.0
load	S84	constant_power_C_reac	13606.2	0.0	6803.1	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S84	constant_power_AB	91640.0	75935.5	45820.0	37967.75
load	S84	constant_power_BC	94900.0	71175.0	47450.0	35587.5
load	S84	constant_power_CA	109530.0	87873.9	54765.0	43936.95
load	S84	constant_power_AB_real	91640.0	0.0	45820.0	0.0
load	S84	constant_power_BC_real	94900.0	0.0	47450.0	0.0
load	S84	constant_power_CA_real	109530.0	0.0	54765.0	0.0
load	S84	constant_power_AB_reac	75935.5	0.0	37967.75	0.0
load	S84	constant_power_BC_reac	71175.0	0.0	35587.5	0.0
load	S84	constant_power_CA_reac	87873.9	0.0	43936.95	0.0
load	S87	constant_power_A	45800.0	19510.7	22900.0	9755.35
load	S87	constant_power_B	35410.0	10327.9	17705.0	5163.95
load	S87	constant_power_C	36860.0	17852.1	18430.0	8926.05
load	S87	constant_power_A_real	45800.0	0.0	22900.0	0.0
load	S87	constant_power_B_real	35410.0	0.0	17705.0	0.0
load	S87	constant_power_C_real	36860.0	0.0	18430.0	0.0
load	S87	constant_power_A_reac	19510.7	0.0	9755.35	0.0
load	S87	constant_power_B_reac	10327.9	0.0	5163.95	0.0
load	S87	constant_power_C_reac	17852.1	0.0	8926.05	0.0
load	S87	constant_power_AB	92240.0	61985.7	46120.0	30992.85
load	S87	constant_power_BC	83060.0	68825.9	41530.0	34412.95
load	S87	constant_power_CA	86450.0	62588.7	43225.0	31294.35
load	S87	constant_power_AB_real	92240.0	0.0	46120.0	0.0
load	S87	constant_power_BC_real	83060.0	0.0	41530.0	0.0
load	S87	constant_power_CA_real	86450.0	0.0	43225.0	0.0
load	S87	constant_power_AB_reac	61985.7	0.0	30992.85	0.0
load	S87	constant_power_BC_reac	68825.9	0.0	34412.95	0.0
load	S87	constant_power_CA_reac	62588.7	0.0	31294.35	0.0
load	S88	constant_power_A	49030.0	12288.1	24515.0	6144.05
load	S88	constant_power_B	48290.0	19085.4	24145.0	9542.7
load	S88	constant_power_C	49640.0	19619.0	24820.0	9809.5
load	S88	constant_power_A_real	49030.0	0.0	24515.0	0.0
load	S88	constant_power_B_real	48290.0	0.0	24145.0	0.0
load	S88	constant_power_C_real	49640.0	0.0	24820.0	0.0
load	S88	constant_power_A_reac	12288.1	0.0	6144.05	0.0
load	S88	constant_power_B_reac	19085.4	0.0	9542.7	0.0
load	S88	constant_power_C_reac	19619.0	0.0	9809.5	0.0
load	S88	constant_power_AB	130130.0	104401.0	65065.0	52200.5
load	S88	constant_power_BC	144170.0	100631.0	72085.0	50315.5
load	S88	constant_power_CA	140750.0	98244.1	70375.0	49122.05
load	S88	constant_power_AB_real	130130.0	0.0	65065.0	0.0
load	S88	constant_power_BC_real	144170.0	0.0	72085.0	0.0
load	S88	constant_power_CA_real	140750.0	0.0	70375.0	0.0
load	S88	constant_power_AB_reac	104401.0	0.0	52200.5	0.0
load	S88	constant_power_BC_reac	100631.0	0.0	50315.5	0.0
load	S88	constant_power_CA_reac	98244.1	0.0	49122.05	0.0
load	S89	constant_power_A	38000.0	9523.7	19000.0	4761.85
load	S89	constant_power_B	49550.0	7060.49	24775.0	3530.245
load	S89	constant_power_C	48750.0	16023.4	24375.0	8011.7
load	S89	constant_power_A_real	38000.0	0.0	19000.0	0.0
load	S89	constant_power_B_real	49550.0	0.0	24775.0	0.0
load	S89	constant_power_C_real	48750.0	0.0	24375.0	0.0
load	S89	constant_power_A_reac	9523.7	0.0	4761.85	0.0
load	S89	constant_power_B_reac	7060.49	0.0	3530.245	0.0
load	S89	constant_power_C_reac	16023.4	0.0	8011.7	0.0
load	S89	constant_power_AB	121250.0	81480.5	60625.0	40740.25
load	S89	constant_power_BC	107770.0	92160.8	53885.0	46080.4
load	S89	constant_power_CA	125350.0	84235.7	62675.0	42117.85
load	S89	constant_power_AB_real	121250.0	0.0	60625.0	0.0
load	S89	constant_power_BC_real	107770.0	0.0	53885.0	0.0
load	S89	constant_power_CA_real	125350.0	0.0	62675.0	0.0
load	S89	constant_power_AB_reac	81480.5	0.0	40740.25	0.0
load	S89	constant_power_BC_reac	92160.8	0.0	46080.4	0.0
load	S89	constant_power_CA_reac	84235.7	0.0	42117.85	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S92	constant_power_A	53370.0	17541.9	26685.0	8770.95
load	S92	constant_power_B	49150.0	12318.1	24575.0	6159.05
load	S92	constant_power_C	46060.0	18204.1	23030.0	9102.05
load	S92	constant_power_A_real	53370.0	0.0	26685.0	0.0
load	S92	constant_power_B_real	49150.0	0.0	24575.0	0.0
load	S92	constant_power_C_real	46060.0	0.0	23030.0	0.0
load	S92	constant_power_A_reac	17541.9	0.0	8770.95	0.0
load	S92	constant_power_B_reac	12318.1	0.0	6159.05	0.0
load	S92	constant_power_C_reac	18204.1	0.0	9102.05	0.0
load	S92	constant_power_AB	114190.0	94621.1	57095.0	47310.55
load	S92	constant_power_BC	116180.0	84112.9	58090.0	42056.45
load	S92	constant_power_CA	111200.0	77618.1	55600.0	38809.05
load	S92	constant_power_AB_real	114190.0	0.0	57095.0	0.0
load	S92	constant_power_BC_real	116180.0	0.0	58090.0	0.0
load	S92	constant_power_CA_real	111200.0	0.0	55600.0	0.0
load	S92	constant_power_AB_reac	94621.1	0.0	47310.55	0.0
load	S92	constant_power_BC_reac	84112.9	0.0	42056.45	0.0
load	S92	constant_power_CA_reac	77618.1	0.0	38809.05	0.0
load	S93	constant_power_A	46310.0	13507.1	23155.0	6753.55
load	S93	constant_power_B	54300.0	7737.33	27150.0	3868.665
load	S93	constant_power_C	47130.0	9570.15	23565.0	4785.075
load	S93	constant_power_A_real	46310.0	0.0	23155.0	0.0
load	S93	constant_power_B_real	54300.0	0.0	27150.0	0.0
load	S93	constant_power_C_real	47130.0	0.0	23565.0	0.0
load	S93	constant_power_A_reac	13507.1	0.0	6753.55	0.0
load	S93	constant_power_B_reac	7737.33	0.0	3868.665	0.0
load	S93	constant_power_C_reac	9570.15	0.0	4785.075	0.0
load	S93	constant_power_AB	108930.0	76033.6	54465.0	38016.8
load	S93	constant_power_BC	107460.0	72213.6	53730.0	36106.8
load	S93	constant_power_CA	105160.0	73402.1	52580.0	36701.05
load	S93	constant_power_AB_real	108930.0	0.0	54465.0	0.0
load	S93	constant_power_BC_real	107460.0	0.0	53730.0	0.0
load	S93	constant_power_CA_real	105160.0	0.0	52580.0	0.0
load	S93	constant_power_AB_reac	76033.6	0.0	38016.8	0.0
load	S93	constant_power_BC_reac	72213.6	0.0	36106.8	0.0
load	S93	constant_power_CA_reac	73402.1	0.0	36701.05	0.0
load	S94	constant_power_A	46850.0	6675.76	23425.0	3337.88
load	S94	constant_power_B	47530.0	13862.9	23765.0	6931.45
load	S94	constant_power_C	40730.0	16097.5	20365.0	8048.75
load	S94	constant_power_A_real	46850.0	0.0	23425.0	0.0
load	S94	constant_power_B_real	47530.0	0.0	23765.0	0.0
load	S94	constant_power_C_real	40730.0	0.0	20365.0	0.0
load	S94	constant_power_A_reac	6675.76	0.0	3337.88	0.0
load	S94	constant_power_B_reac	13862.9	0.0	6931.45	0.0
load	S94	constant_power_C_reac	16097.5	0.0	8048.75	0.0
load	S94	constant_power_AB	116000.0	93064.6	58000.0	46532.3
load	S94	constant_power_BC	112350.0	75499.7	56175.0	37749.85
load	S94	constant_power_CA	105060.0	87055.7	52530.0	43527.85
load	S94	constant_power_AB_real	116000.0	0.0	58000.0	0.0
load	S94	constant_power_BC_real	112350.0	0.0	56175.0	0.0
load	S94	constant_power_CA_real	105060.0	0.0	52530.0	0.0
load	S94	constant_power_AB_reac	93064.6	0.0	46532.3	0.0
load	S94	constant_power_BC_reac	75499.7	0.0	37749.85	0.0
load	S94	constant_power_CA_reac	87055.7	0.0	43527.85	0.0
load	S97	constant_power_A	29940.0	11833.0	14970.0	5916.5
load	S97	constant_power_B	34540.0	7013.65	17270.0	3506.825
load	S97	constant_power_C	27650.0	0.0	13825.0	0.0
load	S97	constant_power_A_real	29940.0	0.0	14970.0	0.0
load	S97	constant_power_B_real	34540.0	0.0	17270.0	0.0
load	S97	constant_power_C_real	27650.0	0.0	13825.0	0.0
load	S97	constant_power_A_reac	11833.0	0.0	5916.5	0.0
load	S97	constant_power_B_reac	7013.65	0.0	3506.825	0.0
load	S97	constant_power_AB	88650.0	66487.5	44325.0	33243.75

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S97	constant_power_BC	78560.0	67181.5	39280.0	33590.75
load	S97	constant_power_CA	76200.0	63141.5	38100.0	31570.75
load	S97	constant_power_AB_real	88650.0	0.0	44325.0	0.0
load	S97	constant_power_BC_real	78560.0	0.0	39280.0	0.0
load	S97	constant_power_CA_real	76200.0	0.0	38100.0	0.0
load	S97	constant_power_AB_reac	66487.5	0.0	33243.75	0.0
load	S97	constant_power_BC_reac	67181.5	0.0	33590.75	0.0
load	S97	constant_power_CA_reac	63141.5	0.0	31570.75	0.0
load	S98	constant_power_A	40470.0	13301.9	20235.0	6650.95
load	S98	constant_power_B	36750.0	12079.1	18375.0	6039.55
load	S98	constant_power_C	38090.0	7734.5	19045.0	3867.25
load	S98	constant_power_A_real	40470.0	0.0	20235.0	0.0
load	S98	constant_power_B_real	36750.0	0.0	18375.0	0.0
load	S98	constant_power_C_real	38090.0	0.0	19045.0	0.0
load	S98	constant_power_A_reac	13301.9	0.0	6650.95	0.0
load	S98	constant_power_B_reac	12079.1	0.0	6039.55	0.0
load	S98	constant_power_C_reac	7734.5	0.0	3867.25	0.0
load	S98	constant_power_AB	87210.0	67682.3	43605.0	33841.15
load	S98	constant_power_BC	85780.0	68819.7	42890.0	34409.85
load	S98	constant_power_CA	91100.0	70701.3	45550.0	35350.65
load	S98	constant_power_AB_real	87210.0	0.0	43605.0	0.0
load	S98	constant_power_BC_real	85780.0	0.0	42890.0	0.0
load	S98	constant_power_CA_real	91100.0	0.0	45550.0	0.0
load	S98	constant_power_AB_reac	67682.3	0.0	33841.15	0.0
load	S98	constant_power_BC_reac	68819.7	0.0	34409.85	0.0
load	S98	constant_power_CA_reac	70701.3	0.0	35350.65	0.0
load	S99	constant_power_A	39980.0	8118.29	19990.0	4059.145
load	S99	constant_power_B	35850.0	8984.86	17925.0	4492.43
load	S99	constant_power_C	29330.0	12494.5	14665.0	6247.25
load	S99	constant_power_A_real	39980.0	0.0	19990.0	0.0
load	S99	constant_power_B_real	35850.0	0.0	17925.0	0.0
load	S99	constant_power_C_real	29330.0	0.0	14665.0	0.0
load	S99	constant_power_A_reac	8118.29	0.0	4059.145	0.0
load	S99	constant_power_B_reac	8984.86	0.0	4492.43	0.0
load	S99	constant_power_C_reac	12494.5	0.0	6247.25	0.0
load	S99	constant_power_AB	76510.0	65428.4	38255.0	32714.2
load	S99	constant_power_BC	80540.0	54123.2	40270.0	27061.6
load	S99	constant_power_CA	91370.0	59019.2	45685.0	29509.6
load	S99	constant_power_AB_real	76510.0	0.0	38255.0	0.0
load	S99	constant_power_BC_real	80540.0	0.0	40270.0	0.0
load	S99	constant_power_CA_real	91370.0	0.0	45685.0	0.0
load	S99	constant_power_AB_reac	65428.4	0.0	32714.2	0.0
load	S99	constant_power_BC_reac	54123.2	0.0	27061.6	0.0
load	S99	constant_power_CA_reac	59019.2	0.0	29509.6	0.0
load	S102	constant_power_A	25620.0	10125.7	12810.0	5062.85
load	S102	constant_power_B	30270.0	12895.0	15135.0	6447.5
load	S102	constant_power_C	28270.0	7085.13	14135.0	3542.565
load	S102	constant_power_A_real	25620.0	0.0	12810.0	0.0
load	S102	constant_power_B_real	30270.0	0.0	15135.0	0.0
load	S102	constant_power_C_real	28270.0	0.0	14135.0	0.0
load	S102	constant_power_A_reac	10125.7	0.0	5062.85	0.0
load	S102	constant_power_B_reac	12895.0	0.0	6447.5	0.0
load	S102	constant_power_C_reac	7085.13	0.0	3542.565	0.0
load	S102	constant_power_AB	70130.0	59972.5	35065.0	29986.25
load	S102	constant_power_BC	65970.0	46047.3	32985.0	23023.65
load	S102	constant_power_CA	63650.0	46081.8	31825.0	23040.9
load	S102	constant_power_AB_real	70130.0	0.0	35065.0	0.0
load	S102	constant_power_BC_real	65970.0	0.0	32985.0	0.0
load	S102	constant_power_CA_real	63650.0	0.0	31825.0	0.0
load	S102	constant_power_AB_reac	59972.5	0.0	29986.25	0.0
load	S102	constant_power_BC_reac	46047.3	0.0	23023.65	0.0
load	S102	constant_power_CA_reac	46081.8	0.0	23040.9	0.0
load	S103	constant_power_A	11710.0	4988.44	5855.0	2494.22

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S103	constant_power_B	13030.0	5149.79	6515.0	2574.895
load	S103	constant_power_C	13550.0	4453.67	6775.0	2226.835
load	S103	constant_power_A_real	11710.0	0.0	5855.0	0.0
load	S103	constant_power_B_real	13030.0	0.0	6515.0	0.0
load	S103	constant_power_C_real	13550.0	0.0	6775.0	0.0
load	S103	constant_power_A_reac	4988.44	0.0	2494.22	0.0
load	S103	constant_power_B_reac	5149.79	0.0	2574.895	0.0
load	S103	constant_power_C_reac	4453.67	0.0	2226.835	0.0
load	S103	constant_power_AB	31970.0	21484.0	15985.0	10742.0
load	S103	constant_power_BC	33810.0	24478.0	16905.0	12239.0
load	S103	constant_power_CA	33080.0	27411.0	16540.0	13705.5
load	S103	constant_power_AB_real	31970.0	0.0	15985.0	0.0
load	S103	constant_power_BC_real	33810.0	0.0	16905.0	0.0
load	S103	constant_power_CA_real	33080.0	0.0	16540.0	0.0
load	S103	constant_power_AB_reac	21484.0	0.0	10742.0	0.0
load	S103	constant_power_BC_reac	24478.0	0.0	12239.0	0.0
load	S103	constant_power_CA_reac	27411.0	0.0	13705.5	0.0
load	S104	constant_power_A	13870.0	5908.6	6935.0	2954.3
load	S104	constant_power_B	12710.0	3185.43	6355.0	1592.715
load	S104	constant_power_C	13160.0	5995.87	6580.0	2997.935
load	S104	constant_power_A_real	13870.0	0.0	6935.0	0.0
load	S104	constant_power_B_real	12710.0	0.0	6355.0	0.0
load	S104	constant_power_C_real	13160.0	0.0	6580.0	0.0
load	S104	constant_power_A_reac	5908.6	0.0	2954.3	0.0
load	S104	constant_power_B_reac	3185.43	0.0	1592.715	0.0
load	S104	constant_power_C_reac	5995.87	0.0	2997.935	0.0
load	S104	constant_power_AB	30440.0	24421.5	15220.0	12210.75
load	S104	constant_power_BC	30330.0	25937.1	15165.0	12968.55
load	S104	constant_power_CA	31120.0	23340.0	15560.0	11670.0
load	S104	constant_power_AB_real	30440.0	0.0	15220.0	0.0
load	S104	constant_power_BC_real	30330.0	0.0	15165.0	0.0
load	S104	constant_power_CA_real	31120.0	0.0	15560.0	0.0
load	S104	constant_power_AB_reac	24421.5	0.0	12210.75	0.0
load	S104	constant_power_BC_reac	25937.1	0.0	12968.55	0.0
load	S104	constant_power_CA_reac	23340.0	0.0	11670.0	0.0
load	S105	constant_power_A	41400.0	17636.3	20700.0	8818.15
load	S105	constant_power_B	43960.0	18726.9	21980.0	9363.45
load	S105	constant_power_C	33700.0	15354.2	16850.0	7677.1
load	S105	constant_power_A_real	41400.0	0.0	20700.0	0.0
load	S105	constant_power_B_real	43960.0	0.0	21980.0	0.0
load	S105	constant_power_C_real	33700.0	0.0	16850.0	0.0
load	S105	constant_power_A_reac	17636.3	0.0	8818.15	0.0
load	S105	constant_power_B_reac	18726.9	0.0	9363.45	0.0
load	S105	constant_power_C_reac	15354.2	0.0	7677.1	0.0
load	S105	constant_power_AB	99230.0	79610.4	49615.0	39805.2
load	S105	constant_power_BC	82350.0	61762.5	41175.0	30881.25
load	S105	constant_power_CA	96230.0	67168.9	48115.0	33584.45
load	S105	constant_power_AB_real	99230.0	0.0	49615.0	0.0
load	S105	constant_power_BC_real	82350.0	0.0	41175.0	0.0
load	S105	constant_power_CA_real	96230.0	0.0	48115.0	0.0
load	S105	constant_power_AB_reac	79610.4	0.0	39805.2	0.0
load	S105	constant_power_BC_reac	61762.5	0.0	30881.25	0.0
load	S105	constant_power_CA_reac	67168.9	0.0	33584.45	0.0
load	S106	constant_power_A	40290.0	8181.23	20145.0	4090.615
load	S106	constant_power_B	54790.0	11125.6	27395.0	5562.8
load	S106	constant_power_C	46930.0	21381.9	23465.0	10690.95
load	S106	constant_power_A_real	40290.0	0.0	20145.0	0.0
load	S106	constant_power_B_real	54790.0	0.0	27395.0	0.0
load	S106	constant_power_C_real	46930.0	0.0	23465.0	0.0
load	S106	constant_power_A_reac	8181.23	0.0	4090.615	0.0
load	S106	constant_power_B_reac	11125.6	0.0	5562.8	0.0
load	S106	constant_power_C_reac	21381.9	0.0	10690.95	0.0
load	S106	constant_power_AB	119140.0	98722.8	59570.0	49361.4

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S106	constant_power_BC	118630.0	82804.2	59315.0	41402.1
load	S106	constant_power_CA	108700.0	70213.3	54350.0	35106.65
load	S106	constant_power_AB_real	119140.0	0.0	59570.0	0.0
load	S106	constant_power_BC_real	118630.0	0.0	59315.0	0.0
load	S106	constant_power_CA_real	108700.0	0.0	54350.0	0.0
load	S106	constant_power_AB_reac	98722.8	0.0	49361.4	0.0
load	S106	constant_power_BC_reac	82804.2	0.0	41402.1	0.0
load	S106	constant_power_CA_reac	70213.3	0.0	35106.65	0.0
load	S107	constant_power_A	53320.0	13363.2	26660.0	6681.6
load	S107	constant_power_B	45650.0	19446.8	22825.0	9723.4
load	S107	constant_power_C	48960.0	20856.9	24480.0	10428.45
load	S107	constant_power_A_real	53320.0	0.0	26660.0	0.0
load	S107	constant_power_B_real	45650.0	0.0	22825.0	0.0
load	S107	constant_power_C_real	48960.0	0.0	24480.0	0.0
load	S107	constant_power_A_reac	13363.2	0.0	6681.6	0.0
load	S107	constant_power_B_reac	19446.8	0.0	9723.4	0.0
load	S107	constant_power_C_reac	20856.9	0.0	10428.45	0.0
load	S107	constant_power_AB	105770.0	68320.7	52885.0	34160.35
load	S107	constant_power_BC	126810.0	95107.5	63405.0	47553.75
load	S107	constant_power_CA	113860.0	73546.3	56930.0	36773.15
load	S107	constant_power_AB_real	105770.0	0.0	52885.0	0.0
load	S107	constant_power_BC_real	126810.0	0.0	63405.0	0.0
load	S107	constant_power_CA_real	113860.0	0.0	56930.0	0.0
load	S107	constant_power_AB_reac	68320.7	0.0	34160.35	0.0
load	S107	constant_power_BC_reac	95107.5	0.0	47553.75	0.0
load	S107	constant_power_CA_reac	73546.3	0.0	36773.15	0.0
load	S108	constant_power_A	14940.0	2128.83	7470.0	1064.415
load	S108	constant_power_B	12380.0	4069.11	6190.0	2034.555
load	S108	constant_power_C	12120.0	4398.97	6060.0	2199.485
load	S108	constant_power_A_real	14940.0	0.0	7470.0	0.0
load	S108	constant_power_B_real	12380.0	0.0	6190.0	0.0
load	S108	constant_power_C_real	12120.0	0.0	6060.0	0.0
load	S108	constant_power_A_reac	2128.83	0.0	1064.415	0.0
load	S108	constant_power_B_reac	4069.11	0.0	2034.555	0.0
load	S108	constant_power_C_reac	4398.97	0.0	2199.485	0.0
load	S108	constant_power_AB	32700.0	26234.6	16350.0	13117.3
load	S108	constant_power_BC	33050.0	26515.4	16525.0	13257.7
load	S108	constant_power_CA	31330.0	23497.5	15665.0	11748.75
load	S108	constant_power_AB_real	32700.0	0.0	16350.0	0.0
load	S108	constant_power_BC_real	33050.0	0.0	16525.0	0.0
load	S108	constant_power_CA_real	31330.0	0.0	15665.0	0.0
load	S108	constant_power_AB_reac	26234.6	0.0	13117.3	0.0
load	S108	constant_power_BC_reac	26515.4	0.0	13257.7	0.0
load	S108	constant_power_CA_reac	23497.5	0.0	11748.75	0.0
load	S113	constant_power_A	14060.0	6405.93	7030.0	3202.965
load	S113	constant_power_B	12100.0	0.0	6050.0	0.0
load	S113	constant_power_C	14020.0	6387.7	7010.0	3193.85
load	S113	constant_power_A_real	14060.0	0.0	7030.0	0.0
load	S113	constant_power_B_real	12100.0	0.0	6050.0	0.0
load	S113	constant_power_C_real	14020.0	0.0	7010.0	0.0
load	S113	constant_power_A_reac	6405.93	0.0	3202.965	0.0
load	S113	constant_power_C_reac	6387.7	0.0	3193.85	0.0
load	S113	constant_power_AB	31510.0	22812.8	15755.0	11406.4
load	S113	constant_power_BC	32220.0	26698.4	16110.0	13349.2
load	S113	constant_power_CA	30090.0	24933.4	15045.0	12466.7
load	S113	constant_power_AB_real	31510.0	0.0	15755.0	0.0
load	S113	constant_power_BC_real	32220.0	0.0	16110.0	0.0
load	S113	constant_power_CA_real	30090.0	0.0	15045.0	0.0
load	S113	constant_power_AB_reac	22812.8	0.0	11406.4	0.0
load	S113	constant_power_BC_reac	26698.4	0.0	13349.2	0.0
load	S113	constant_power_CA_reac	24933.4	0.0	12466.7	0.0
load	S114	constant_power_A	12170.0	4417.12	6085.0	2208.56
load	S114	constant_power_B	15600.0	3167.72	7800.0	1583.86

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S114	constant_power_C	14220.0	3563.87	7110.0	1781.935
load	S114	constant_power_A_real	12170.0	0.0	6085.0	0.0
load	S114	constant_power_B_real	15600.0	0.0	7800.0	0.0
load	S114	constant_power_C_real	14220.0	0.0	7110.0	0.0
load	S114	constant_power_A_reac	4417.12	0.0	2208.56	0.0
load	S114	constant_power_B_reac	3167.72	0.0	1583.86	0.0
load	S114	constant_power_C_reac	3563.87	0.0	1781.935	0.0
load	S114	constant_power_AB	29890.0	23197.2	14945.0	11598.6
load	S114	constant_power_BC	36290.0	23441.0	18145.0	11720.5
load	S114	constant_power_CA	31530.0	23647.5	15765.0	11823.75
load	S114	constant_power_AB_real	29890.0	0.0	14945.0	0.0
load	S114	constant_power_BC_real	36290.0	0.0	18145.0	0.0
load	S114	constant_power_CA_real	31530.0	0.0	15765.0	0.0
load	S114	constant_power_AB_reac	23197.2	0.0	11598.6	0.0
load	S114	constant_power_BC_reac	23441.0	0.0	11720.5	0.0
load	S114	constant_power_CA_reac	23647.5	0.0	11823.75	0.0
load	S120	constant_power_A	47360.0	18717.9	23680.0	9358.95
load	S120	constant_power_B	36760.0	16748.3	18380.0	8374.15
load	S120	constant_power_C	38020.0	17322.4	19010.0	8661.2
load	S120	constant_power_A_real	47360.0	0.0	23680.0	0.0
load	S120	constant_power_B_real	36760.0	0.0	18380.0	0.0
load	S120	constant_power_C_real	38020.0	0.0	19010.0	0.0
load	S120	constant_power_A_reac	18717.9	0.0	9358.95	0.0
load	S120	constant_power_B_reac	16748.3	0.0	8374.15	0.0
load	S120	constant_power_C_reac	17322.4	0.0	8661.2	0.0
load	S120	constant_power_AB	92720.0	67128.1	46360.0	33564.05
load	S120	constant_power_BC	93460.0	72532.9	46730.0	36266.45
load	S120	constant_power_CA	93330.0	67569.8	46665.0	33784.9
load	S120	constant_power_AB_real	92720.0	0.0	46360.0	0.0
load	S120	constant_power_BC_real	93460.0	0.0	46730.0	0.0
load	S120	constant_power_CA_real	93330.0	0.0	46665.0	0.0
load	S120	constant_power_AB_reac	67128.1	0.0	33564.05	0.0
load	S120	constant_power_BC_reac	72532.9	0.0	36266.45	0.0
load	S120	constant_power_CA_reac	67569.8	0.0	33784.9	0.0
load	S121	constant_power_A	35990.0	5128.3	17995.0	2564.15
load	S121	constant_power_B	33870.0	14428.6	16935.0	7214.3
load	S121	constant_power_C	38450.0	13955.5	19225.0	6977.75
load	S121	constant_power_A_real	35990.0	0.0	17995.0	0.0
load	S121	constant_power_B_real	33870.0	0.0	16935.0	0.0
load	S121	constant_power_C_real	38450.0	0.0	19225.0	0.0
load	S121	constant_power_A_reac	5128.3	0.0	2564.15	0.0
load	S121	constant_power_B_reac	14428.6	0.0	7214.3	0.0
load	S121	constant_power_C_reac	13955.5	0.0	6977.75	0.0
load	S121	constant_power_AB	108000.0	78190.6	54000.0	39095.3
load	S121	constant_power_BC	87530.0	67930.7	43765.0	33965.35
load	S121	constant_power_CA	98290.0	63489.1	49145.0	31744.55
load	S121	constant_power_AB_real	108000.0	0.0	54000.0	0.0
load	S121	constant_power_BC_real	87530.0	0.0	43765.0	0.0
load	S121	constant_power_CA_real	98290.0	0.0	49145.0	0.0
load	S121	constant_power_AB_reac	78190.6	0.0	39095.3	0.0
load	S121	constant_power_BC_reac	67930.7	0.0	33965.35	0.0
load	S121	constant_power_CA_reac	63489.1	0.0	31744.55	0.0
load	S122	constant_power_A	45210.0	20598.3	22605.0	10299.15
load	S122	constant_power_B	44470.0	9030.02	22235.0	4515.01
load	S122	constant_power_C	43610.0	10929.7	21805.0	5464.85
load	S122	constant_power_A_real	45210.0	0.0	22605.0	0.0
load	S122	constant_power_B_real	44470.0	0.0	22235.0	0.0
load	S122	constant_power_C_real	43610.0	0.0	21805.0	0.0
load	S122	constant_power_A_reac	20598.3	0.0	10299.15	0.0
load	S122	constant_power_B_reac	9030.02	0.0	4515.01	0.0
load	S122	constant_power_C_reac	10929.7	0.0	5464.85	0.0
load	S122	constant_power_AB	113680.0	73430.0	56840.0	36715.0
load	S122	constant_power_BC	92630.0	69472.5	46315.0	34736.25

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S122	constant_power_CA	104750.0	89578.2	52375.0	44789.1
load	S122	constant_power_AB_real	113680.0	0.0	56840.0	0.0
load	S122	constant_power_BC_real	92630.0	0.0	46315.0	0.0
load	S122	constant_power_CA_real	104750.0	0.0	52375.0	0.0
load	S122	constant_power_AB_reac	73430.0	0.0	36715.0	0.0
load	S122	constant_power_BC_reac	69472.5	0.0	34736.25	0.0
load	S122	constant_power_CA_reac	89578.2	0.0	44789.1	0.0
load	S123	constant_power_A	13310.0	4374.79	6655.0	2187.395
load	S123	constant_power_B	13050.0	5157.69	6525.0	2578.845
load	S123	constant_power_C	13710.0	3998.75	6855.0	1999.375
load	S123	constant_power_A_real	13310.0	0.0	6655.0	0.0
load	S123	constant_power_B_real	13050.0	0.0	6525.0	0.0
load	S123	constant_power_C_real	13710.0	0.0	6855.0	0.0
load	S123	constant_power_A_reac	4374.79	0.0	2187.395	0.0
load	S123	constant_power_B_reac	5157.69	0.0	2578.845	0.0
load	S123	constant_power_C_reac	3998.75	0.0	1999.375	0.0
load	S123	constant_power_AB	33850.0	23627.5	16925.0	11813.75
load	S123	constant_power_BC	37880.0	27424.7	18940.0	13712.35
load	S123	constant_power_CA	37590.0	31148.1	18795.0	15574.05
load	S123	constant_power_AB_real	33850.0	0.0	16925.0	0.0
load	S123	constant_power_BC_real	37880.0	0.0	18940.0	0.0
load	S123	constant_power_CA_real	37590.0	0.0	18795.0	0.0
load	S123	constant_power_AB_reac	23627.5	0.0	11813.75	0.0
load	S123	constant_power_BC_reac	27424.7	0.0	13712.35	0.0
load	S123	constant_power_CA_reac	31148.1	0.0	15574.05	0.0
load	S124	constant_power_A	16690.0	4867.92	8345.0	2433.96
load	S124	constant_power_B	12230.0	1742.68	6115.0	871.34
load	S124	constant_power_C	16190.0	3287.52	8095.0	1643.76
load	S124	constant_power_A_real	16690.0	0.0	8345.0	0.0
load	S124	constant_power_B_real	12230.0	0.0	6115.0	0.0
load	S124	constant_power_C_real	16190.0	0.0	8095.0	0.0
load	S124	constant_power_A_reac	4867.92	0.0	2433.96	0.0
load	S124	constant_power_B_reac	1742.68	0.0	871.34	0.0
load	S124	constant_power_C_reac	3287.52	0.0	1643.76	0.0
load	S124	constant_power_AB	34550.0	26813.7	17275.0	13406.85
load	S124	constant_power_BC	29380.0	24345.1	14690.0	12172.55
load	S124	constant_power_CA	29050.0	21787.5	14525.0	10893.75
load	S124	constant_power_AB_real	34550.0	0.0	17275.0	0.0
load	S124	constant_power_BC_real	29380.0	0.0	14690.0	0.0
load	S124	constant_power_CA_real	29050.0	0.0	14525.0	0.0
load	S124	constant_power_AB_reac	26813.7	0.0	13406.85	0.0
load	S124	constant_power_BC_reac	24345.1	0.0	12172.55	0.0
load	S124	constant_power_CA_reac	21787.5	0.0	10893.75	0.0
load	S125	constant_power_A	12400.0	5649.61	6200.0	2824.805
load	S125	constant_power_B	12870.0	5863.75	6435.0	2931.875
load	S125	constant_power_C	14350.0	2044.76	7175.0	1022.38
load	S125	constant_power_A_real	12400.0	0.0	6200.0	0.0
load	S125	constant_power_B_real	12870.0	0.0	6435.0	0.0
load	S125	constant_power_C_real	14350.0	0.0	7175.0	0.0
load	S125	constant_power_A_reac	5649.61	0.0	2824.805	0.0
load	S125	constant_power_B_reac	5863.75	0.0	2931.875	0.0
load	S125	constant_power_C_reac	2044.76	0.0	1022.38	0.0
load	S125	constant_power_AB	31180.0	25836.6	15590.0	12918.3
load	S125	constant_power_BC	29220.0	21154.9	14610.0	10577.45
load	S125	constant_power_CA	29420.0	23603.1	14710.0	11801.55
load	S125	constant_power_AB_real	31180.0	0.0	15590.0	0.0
load	S125	constant_power_BC_real	29220.0	0.0	14610.0	0.0
load	S125	constant_power_CA_real	29420.0	0.0	14710.0	0.0
load	S125	constant_power_AB_reac	25836.6	0.0	12918.3	0.0
load	S125	constant_power_BC_reac	21154.9	0.0	10577.45	0.0
load	S125	constant_power_CA_reac	23603.1	0.0	11801.55	0.0
load	S127	constant_power_A	17740.0	7557.21	8870.0	3778.605
load	S127	constant_power_B	12200.0	5197.18	6100.0	2598.59

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S127	constant_power_C	14880.0	6779.53	7440.0	3389.765
load	S127	constant_power_A_real	17740.0	0.0	8870.0	0.0
load	S127	constant_power_B_real	12200.0	0.0	6100.0	0.0
load	S127	constant_power_C_real	14880.0	0.0	7440.0	0.0
load	S127	constant_power_A_reac	7557.21	0.0	3778.605	0.0
load	S127	constant_power_B_reac	5197.18	0.0	2598.59	0.0
load	S127	constant_power_C_reac	6779.53	0.0	3389.765	0.0
load	S127	constant_power_AB	33060.0	28271.7	16530.0	14135.85
load	S127	constant_power_BC	35590.0	29490.9	17795.0	14745.45
load	S127	constant_power_CA	28840.0	20130.4	14420.0	10065.2
load	S127	constant_power_AB_real	33060.0	0.0	16530.0	0.0
load	S127	constant_power_BC_real	35590.0	0.0	17795.0	0.0
load	S127	constant_power_CA_real	28840.0	0.0	14420.0	0.0
load	S127	constant_power_AB_reac	28271.7	0.0	14135.85	0.0
load	S127	constant_power_BC_reac	29490.9	0.0	14745.45	0.0
load	S127	constant_power_CA_reac	20130.4	0.0	10065.2	0.0
load	S128	constant_power_A	13530.0	4447.1	6765.0	2223.55
load	S128	constant_power_B	13650.0	3981.25	6825.0	1990.625
load	S128	constant_power_C	15180.0	3804.47	7590.0	1902.235
load	S128	constant_power_A_real	13530.0	0.0	6765.0	0.0
load	S128	constant_power_B_real	13650.0	0.0	6825.0	0.0
load	S128	constant_power_C_real	15180.0	0.0	7590.0	0.0
load	S128	constant_power_A_reac	4447.1	0.0	2223.55	0.0
load	S128	constant_power_B_reac	3981.25	0.0	1990.625	0.0
load	S128	constant_power_C_reac	3804.47	0.0	1902.235	0.0
load	S128	constant_power_AB	32540.0	22713.1	16270.0	11356.55
load	S128	constant_power_BC	27980.0	20257.2	13990.0	10128.6
load	S128	constant_power_CA	34210.0	27446.0	17105.0	13723.0
load	S128	constant_power_AB_real	32540.0	0.0	16270.0	0.0
load	S128	constant_power_BC_real	27980.0	0.0	13990.0	0.0
load	S128	constant_power_CA_real	34210.0	0.0	17105.0	0.0
load	S128	constant_power_AB_reac	22713.1	0.0	11356.55	0.0
load	S128	constant_power_BC_reac	20257.2	0.0	10128.6	0.0
load	S128	constant_power_CA_reac	27446.0	0.0	13723.0	0.0
load	S129	constant_power_A	12060.0	4766.42	6030.0	2383.21
load	S129	constant_power_B	14890.0	2121.71	7445.0	1060.855
load	S129	constant_power_C	14960.0	4917.11	7480.0	2458.555
load	S129	constant_power_A_real	12060.0	0.0	6030.0	0.0
load	S129	constant_power_B_real	14890.0	0.0	7445.0	0.0
load	S129	constant_power_C_real	14960.0	0.0	7480.0	0.0
load	S129	constant_power_A_reac	4766.42	0.0	2383.21	0.0
load	S129	constant_power_B_reac	2121.71	0.0	1060.855	0.0
load	S129	constant_power_C_reac	4917.11	0.0	2458.555	0.0
load	S129	constant_power_AB	28740.0	21555.0	14370.0	10777.5
load	S129	constant_power_BC	36800.0	27600.0	18400.0	13800.0
load	S129	constant_power_CA	28390.0	23524.8	14195.0	11762.4
load	S129	constant_power_AB_real	28740.0	0.0	14370.0	0.0
load	S129	constant_power_BC_real	36800.0	0.0	18400.0	0.0
load	S129	constant_power_CA_real	28390.0	0.0	14195.0	0.0
load	S129	constant_power_AB_reac	21555.0	0.0	10777.5	0.0
load	S129	constant_power_BC_reac	27600.0	0.0	13800.0	0.0
load	S129	constant_power_CA_reac	23524.8	0.0	11762.4	0.0
load	S130	constant_power_A	15360.0	6070.66	7680.0	3035.33
load	S130	constant_power_B	14860.0	2117.44	7430.0	1058.72
load	S130	constant_power_C	11960.0	3488.33	5980.0	1744.165
load	S130	constant_power_A_real	15360.0	0.0	7680.0	0.0
load	S130	constant_power_B_real	14860.0	0.0	7430.0	0.0
load	S130	constant_power_C_real	11960.0	0.0	5980.0	0.0
load	S130	constant_power_A_reac	6070.66	0.0	3035.33	0.0
load	S130	constant_power_B_reac	2117.44	0.0	1058.72	0.0
load	S130	constant_power_C_reac	3488.33	0.0	1744.165	0.0
load	S130	constant_power_AB	33060.0	28271.7	16530.0	14135.85
load	S130	constant_power_BC	36160.0	28063.2	18080.0	14031.6

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S130	constant_power_CA	37310.0	26042.5	18655.0	13021.25
load	S130	constant_power_AB_real	33060.0	0.0	16530.0	0.0
load	S130	constant_power_BC_real	36160.0	0.0	18080.0	0.0
load	S130	constant_power_CA_real	37310.0	0.0	18655.0	0.0
load	S130	constant_power_AB_reac	28271.7	0.0	14135.85	0.0
load	S130	constant_power_BC_reac	28063.2	0.0	14031.6	0.0
load	S130	constant_power_CA_reac	26042.5	0.0	13021.25	0.0
load	S132	constant_power_A	17540.0	2499.31	8770.0	1249.655
load	S132	constant_power_B	11780.0	2392.03	5890.0	1196.015
load	S132	constant_power_C	11770.0	4651.8	5885.0	2325.9
load	S132	constant_power_A_real	17540.0	0.0	8770.0	0.0
load	S132	constant_power_B_real	11780.0	0.0	5890.0	0.0
load	S132	constant_power_C_real	11770.0	0.0	5885.0	0.0
load	S132	constant_power_A_reac	2499.31	0.0	1249.655	0.0
load	S132	constant_power_B_reac	2392.03	0.0	1196.015	0.0
load	S132	constant_power_C_reac	4651.8	0.0	2325.9	0.0
load	S132	constant_power_AB	31170.0	25828.3	15585.0	12914.15
load	S132	constant_power_BC	31460.0	21959.2	15730.0	10979.6
load	S132	constant_power_CA	38320.0	25751.2	19160.0	12875.6
load	S132	constant_power_AB_real	31170.0	0.0	15585.0	0.0
load	S132	constant_power_BC_real	31460.0	0.0	15730.0	0.0
load	S132	constant_power_CA_real	38320.0	0.0	19160.0	0.0
load	S132	constant_power_AB_reac	25828.3	0.0	12914.15	0.0
load	S132	constant_power_BC_reac	21959.2	0.0	10979.6	0.0
load	S132	constant_power_CA_reac	25751.2	0.0	12875.6	0.0
load	S133	constant_power_A	13140.0	4769.18	6570.0	2384.59
load	S133	constant_power_B	13400.0	3908.33	6700.0	1954.165
load	S133	constant_power_C	14450.0	5711.01	7225.0	2855.505
load	S133	constant_power_A_real	13140.0	0.0	6570.0	0.0
load	S133	constant_power_B_real	13400.0	0.0	6700.0	0.0
load	S133	constant_power_C_real	14450.0	0.0	7225.0	0.0
load	S133	constant_power_A_reac	4769.18	0.0	2384.59	0.0
load	S133	constant_power_B_reac	3908.33	0.0	1954.165	0.0
load	S133	constant_power_C_reac	5711.01	0.0	2855.505	0.0
load	S133	constant_power_AB	36680.0	30394.1	18340.0	15197.05
load	S133	constant_power_BC	30050.0	21755.8	15025.0	10877.9
load	S133	constant_power_CA	28290.0	21217.5	14145.0	10608.75
load	S133	constant_power_AB_real	36680.0	0.0	18340.0	0.0
load	S133	constant_power_BC_real	30050.0	0.0	15025.0	0.0
load	S133	constant_power_CA_real	28290.0	0.0	14145.0	0.0
load	S133	constant_power_AB_reac	30394.1	0.0	15197.05	0.0
load	S133	constant_power_BC_reac	21755.8	0.0	10877.9	0.0
load	S133	constant_power_CA_reac	21217.5	0.0	10608.75	0.0
load	S134	constant_power_A	12340.0	1758.35	6170.0	879.175
load	S134	constant_power_B	15770.0	5183.35	7885.0	2591.675
load	S134	constant_power_C	15820.0	4614.17	7910.0	2307.085
load	S134	constant_power_A_real	12340.0	0.0	6170.0	0.0
load	S134	constant_power_B_real	15770.0	0.0	7885.0	0.0
load	S134	constant_power_C_real	15820.0	0.0	7910.0	0.0
load	S134	constant_power_A_reac	1758.35	0.0	879.175	0.0
load	S134	constant_power_B_reac	5183.35	0.0	2591.675	0.0
load	S134	constant_power_C_reac	4614.17	0.0	2307.085	0.0
load	S134	constant_power_AB	36870.0	24776.8	18435.0	12388.4
load	S134	constant_power_BC	32500.0	25222.8	16250.0	12611.4
load	S134	constant_power_CA	35790.0	29656.6	17895.0	14828.3
load	S134	constant_power_AB_real	36870.0	0.0	18435.0	0.0
load	S134	constant_power_BC_real	32500.0	0.0	16250.0	0.0
load	S134	constant_power_CA_real	35790.0	0.0	17895.0	0.0
load	S134	constant_power_AB_reac	24776.8	0.0	12388.4	0.0
load	S134	constant_power_BC_reac	25222.8	0.0	12611.4	0.0
load	S134	constant_power_CA_reac	29656.6	0.0	14828.3	0.0
load	S135	constant_power_A	13530.0	2747.38	6765.0	1373.69
load	S135	constant_power_B	14580.0	3654.09	7290.0	1827.045

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S135	constant_power_C	14480.0	2940.29	7240.0	1470.145
load	S135	constant_power_A_real	13530.0	0.0	6765.0	0.0
load	S135	constant_power_B_real	14580.0	0.0	7290.0	0.0
load	S135	constant_power_C_real	14480.0	0.0	7240.0	0.0
load	S135	constant_power_A_reac	2747.38	0.0	1373.69	0.0
load	S135	constant_power_B_reac	3654.09	0.0	1827.045	0.0
load	S135	constant_power_C_reac	2940.29	0.0	1470.145	0.0
load	S135	constant_power_AB	35710.0	28649.5	17855.0	14324.75
load	S135	constant_power_BC	31500.0	26101.8	15750.0	13050.9
load	S135	constant_power_CA	33860.0	28057.4	16930.0	14028.7
load	S135	constant_power_AB_real	35710.0	0.0	17855.0	0.0
load	S135	constant_power_BC_real	31500.0	0.0	15750.0	0.0
load	S135	constant_power_CA_real	33860.0	0.0	16930.0	0.0
load	S135	constant_power_AB_reac	28649.5	0.0	14324.75	0.0
load	S135	constant_power_BC_reac	26101.8	0.0	13050.9	0.0
load	S135	constant_power_CA_reac	28057.4	0.0	14028.7	0.0
load	S137	constant_power_A	11960.0	2997.46	5980.0	1498.73
load	S137	constant_power_B	11980.0	1707.06	5990.0	853.53
load	S137	constant_power_C	12320.0	5613.16	6160.0	2806.58
load	S137	constant_power_A_real	11960.0	0.0	5980.0	0.0
load	S137	constant_power_B_real	11980.0	0.0	5990.0	0.0
load	S137	constant_power_C_real	12320.0	0.0	6160.0	0.0
load	S137	constant_power_A_reac	2997.46	0.0	1498.73	0.0
load	S137	constant_power_B_reac	1707.06	0.0	853.53	0.0
load	S137	constant_power_C_reac	5613.16	0.0	2806.58	0.0
load	S137	constant_power_AB	30180.0	21065.8	15090.0	10532.9
load	S137	constant_power_BC	35650.0	28601.3	17825.0	14300.65
load	S137	constant_power_CA	28470.0	21352.5	14235.0	10676.25
load	S137	constant_power_AB_real	30180.0	0.0	15090.0	0.0
load	S137	constant_power_BC_real	35650.0	0.0	17825.0	0.0
load	S137	constant_power_CA_real	28470.0	0.0	14235.0	0.0
load	S137	constant_power_AB_reac	21065.8	0.0	10532.9	0.0
load	S137	constant_power_BC_reac	28601.3	0.0	14300.65	0.0
load	S137	constant_power_CA_reac	21352.5	0.0	10676.25	0.0
load	S138	constant_power_A	12850.0	0.0	6425.0	0.0
load	S138	constant_power_B	14490.0	6601.84	7245.0	3300.92
load	S138	constant_power_C	13280.0	3873.33	6640.0	1936.665
load	S138	constant_power_A_real	12850.0	0.0	6425.0	0.0
load	S138	constant_power_B_real	14490.0	0.0	7245.0	0.0
load	S138	constant_power_C_real	13280.0	0.0	6640.0	0.0
load	S138	constant_power_B_reac	6601.84	0.0	3300.92	0.0
load	S138	constant_power_C_reac	3873.33	0.0	1936.665	0.0
load	S138	constant_power_AB	37010.0	30667.5	18505.0	15333.75
load	S138	constant_power_BC	26950.0	17408.0	13475.0	8704.0
load	S138	constant_power_CA	29640.0	23779.6	14820.0	11889.8
load	S138	constant_power_AB_real	37010.0	0.0	18505.0	0.0
load	S138	constant_power_BC_real	26950.0	0.0	13475.0	0.0
load	S138	constant_power_CA_real	29640.0	0.0	14820.0	0.0
load	S138	constant_power_AB_reac	30667.5	0.0	15333.75	0.0
load	S138	constant_power_BC_reac	17408.0	0.0	8704.0	0.0
load	S138	constant_power_CA_reac	23779.6	0.0	11889.8	0.0
load	S139	constant_power_A	16220.0	4065.12	8110.0	2032.56
load	S139	constant_power_B	14700.0	3684.17	7350.0	1842.085
load	S139	constant_power_C	15300.0	3106.8	7650.0	1553.4
load	S139	constant_power_A_real	16220.0	0.0	8110.0	0.0
load	S139	constant_power_B_real	14700.0	0.0	7350.0	0.0
load	S139	constant_power_C_real	15300.0	0.0	7650.0	0.0
load	S139	constant_power_A_reac	4065.12	0.0	2032.56	0.0
load	S139	constant_power_B_reac	3684.17	0.0	1842.085	0.0
load	S139	constant_power_C_reac	3106.8	0.0	1553.4	0.0
load	S139	constant_power_AB	28150.0	20380.2	14075.0	10190.1
load	S139	constant_power_BC	36350.0	30120.6	18175.0	15060.3
load	S139	constant_power_CA	35470.0	27527.7	17735.0	13763.85

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S139	constant_power_AB_real	28150.0	0.0	14075.0	0.0
load	S139	constant_power_BC_real	36350.0	0.0	18175.0	0.0
load	S139	constant_power_CA_real	35470.0	0.0	17735.0	0.0
load	S139	constant_power_AB_reac	20380.2	0.0	10190.1	0.0
load	S139	constant_power_BC_reac	30120.6	0.0	15060.3	0.0
load	S139	constant_power_CA_reac	27527.7	0.0	13763.85	0.0
load	S140	constant_power_A	14270.0	2033.36	7135.0	1016.68
load	S140	constant_power_B	12090.0	5150.32	6045.0	2575.16
load	S140	constant_power_C	13660.0	2773.78	6830.0	1386.89
load	S140	constant_power_A_real	14270.0	0.0	7135.0	0.0
load	S140	constant_power_B_real	12090.0	0.0	6045.0	0.0
load	S140	constant_power_C_real	13660.0	0.0	6830.0	0.0
load	S140	constant_power_A_reac	2033.36	0.0	1016.68	0.0
load	S140	constant_power_B_reac	5150.32	0.0	2575.16	0.0
load	S140	constant_power_C_reac	2773.78	0.0	1386.89	0.0
load	S140	constant_power_AB	29390.0	20514.3	14695.0	10257.15
load	S140	constant_power_BC	33660.0	21742.2	16830.0	10871.1
load	S140	constant_power_CA	29880.0	20856.4	14940.0	10428.2
load	S140	constant_power_AB_real	29390.0	0.0	14695.0	0.0
load	S140	constant_power_BC_real	33660.0	0.0	16830.0	0.0
load	S140	constant_power_CA_real	29880.0	0.0	14940.0	0.0
load	S140	constant_power_AB_reac	20514.3	0.0	10257.15	0.0
load	S140	constant_power_BC_reac	21742.2	0.0	10871.1	0.0
load	S140	constant_power_CA_reac	20856.4	0.0	10428.2	0.0
load	S142	constant_power_A	13220.0	6023.21	6610.0	3011.605
load	S142	constant_power_B	12400.0	5282.38	6200.0	2641.19
load	S142	constant_power_C	12260.0	4029.67	6130.0	2014.835
load	S142	constant_power_A_real	13220.0	0.0	6610.0	0.0
load	S142	constant_power_B_real	12400.0	0.0	6200.0	0.0
load	S142	constant_power_C_real	12260.0	0.0	6130.0	0.0
load	S142	constant_power_A_reac	6023.21	0.0	3011.605	0.0
load	S142	constant_power_B_reac	5282.38	0.0	2641.19	0.0
load	S142	constant_power_C_reac	4029.67	0.0	2014.835	0.0
load	S142	constant_power_AB	36880.0	30559.8	18440.0	15279.9
load	S142	constant_power_BC	31620.0	20424.5	15810.0	10212.25
load	S142	constant_power_CA	36310.0	31050.9	18155.0	15525.45
load	S142	constant_power_AB_real	36880.0	0.0	18440.0	0.0
load	S142	constant_power_BC_real	31620.0	0.0	15810.0	0.0
load	S142	constant_power_CA_real	36310.0	0.0	18155.0	0.0
load	S142	constant_power_AB_reac	30559.8	0.0	15279.9	0.0
load	S142	constant_power_BC_reac	20424.5	0.0	10212.25	0.0
load	S142	constant_power_CA_reac	31050.9	0.0	15525.45	0.0
load	S143	constant_power_A	12610.0	4983.79	6305.0	2491.895
load	S143	constant_power_B	15460.0	3874.64	7730.0	1937.32
load	S143	constant_power_C	15220.0	5524.12	7610.0	2762.06
load	S143	constant_power_A_real	12610.0	0.0	6305.0	0.0
load	S143	constant_power_B_real	15460.0	0.0	7730.0	0.0
load	S143	constant_power_C_real	15220.0	0.0	7610.0	0.0
load	S143	constant_power_A_reac	4983.79	0.0	2491.895	0.0
load	S143	constant_power_B_reac	3874.64	0.0	1937.32	0.0
load	S143	constant_power_C_reac	5524.12	0.0	2762.06	0.0
load	S143	constant_power_AB	30620.0	24565.9	15310.0	12282.95
load	S143	constant_power_BC	38280.0	26719.6	19140.0	13359.8
load	S143	constant_power_CA	29340.0	19716.6	14670.0	9858.3
load	S143	constant_power_AB_real	30620.0	0.0	15310.0	0.0
load	S143	constant_power_BC_real	38280.0	0.0	19140.0	0.0
load	S143	constant_power_CA_real	29340.0	0.0	14670.0	0.0
load	S143	constant_power_AB_reac	24565.9	0.0	12282.95	0.0
load	S143	constant_power_BC_reac	26719.6	0.0	13359.8	0.0
load	S143	constant_power_CA_reac	19716.6	0.0	9858.3	0.0
load	S144	constant_power_A	12170.0	3549.58	6085.0	1774.79
load	S144	constant_power_B	15530.0	6137.85	7765.0	3068.925
load	S144	constant_power_C	14780.0	3001.21	7390.0	1500.605

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S144	constant_power_A_real	12170.0	0.0	6085.0	0.0
load	S144	constant_power_B_real	15530.0	0.0	7765.0	0.0
load	S144	constant_power_C_real	14780.0	0.0	7390.0	0.0
load	S144	constant_power_A_reac	3549.58	0.0	1774.79	0.0
load	S144	constant_power_B_reac	6137.85	0.0	3068.925	0.0
load	S144	constant_power_C_reac	3001.21	0.0	1500.605	0.0
load	S144	constant_power_AB	28760.0	23073.6	14380.0	11536.8
load	S144	constant_power_BC	37850.0	27402.9	18925.0	13701.45
load	S144	constant_power_CA	29310.0	20458.5	14655.0	10229.25
load	S144	constant_power_AB_real	28760.0	0.0	14380.0	0.0
load	S144	constant_power_BC_real	37850.0	0.0	18925.0	0.0
load	S144	constant_power_CA_real	29310.0	0.0	14655.0	0.0
load	S144	constant_power_AB_reac	23073.6	0.0	11536.8	0.0
load	S144	constant_power_BC_reac	27402.9	0.0	13701.45	0.0
load	S144	constant_power_CA_reac	20458.5	0.0	10229.25	0.0
load	S193	constant_power_A	364070.0	91244.5	182035.0	45622.25
load	S193	constant_power_B	413730.0	150164.0	206865.0	75082.0
load	S193	constant_power_C	360050.0	164044.0	180025.0	82022.0
load	S193	constant_power_A_real	364070.0	0.0	182035.0	0.0
load	S193	constant_power_B_real	413730.0	0.0	206865.0	0.0
load	S193	constant_power_C_real	360050.0	0.0	180025.0	0.0
load	S193	constant_power_A_reac	91244.5	0.0	45622.25	0.0
load	S193	constant_power_B_reac	150164.0	0.0	75082.0	0.0
load	S193	constant_power_C_reac	164044.0	0.0	82022.0	0.0
load	S193	constant_power_AB	96800.0	67566.8	48400.0	33783.4
load	S193	constant_power_BC	132060.0	99045.0	66030.0	49522.5
load	S193	constant_power_CA	95210.0	76385.2	47605.0	38192.6
load	S193	constant_power_AB_real	96800.0	0.0	48400.0	0.0
load	S193	constant_power_BC_real	132060.0	0.0	66030.0	0.0
load	S193	constant_power_CA_real	95210.0	0.0	47605.0	0.0
load	S193	constant_power_AB_reac	67566.8	0.0	33783.4	0.0
load	S193	constant_power_BC_reac	99045.0	0.0	49522.5	0.0
load	S193	constant_power_CA_reac	76385.2	0.0	38192.6	0.0
load	S198	constant_power_A	90830.0	22764.1	45415.0	11382.05
load	S198	constant_power_B	97250.0	19747.5	48625.0	9873.75
load	S198	constant_power_C	100790.0	39834.8	50395.0	19917.4
load	S198	constant_power_A_real	90830.0	0.0	45415.0	0.0
load	S198	constant_power_B_real	97250.0	0.0	48625.0	0.0
load	S198	constant_power_C_real	100790.0	0.0	50395.0	0.0
load	S198	constant_power_A_reac	22764.1	0.0	11382.05	0.0
load	S198	constant_power_B_reac	19747.5	0.0	9873.75	0.0
load	S198	constant_power_C_reac	39834.8	0.0	19917.4	0.0
load	S198	constant_power_AB	188320.0	136341.0	94160.0	68170.5
load	S198	constant_power_BC	187950.0	155741.0	93975.0	77870.5
load	S198	constant_power_CA	203010.0	173606.0	101505.0	86803.0
load	S198	constant_power_AB_real	188320.0	0.0	94160.0	0.0
load	S198	constant_power_BC_real	187950.0	0.0	93975.0	0.0
load	S198	constant_power_CA_real	203010.0	0.0	101505.0	0.0
load	S198	constant_power_AB_reac	136341.0	0.0	68170.5	0.0
load	S198	constant_power_BC_reac	155741.0	0.0	77870.5	0.0
load	S198	constant_power_CA_reac	173606.0	0.0	86803.0	0.0
load	S203	constant_power_A	238820.0	48494.5	119410.0	24247.25
load	S203	constant_power_B	232470.0	99031.8	116235.0	49515.9
load	S203	constant_power_C	228580.0	0.0	114290.0	0.0
load	S203	constant_power_A_real	238820.0	0.0	119410.0	0.0
load	S203	constant_power_B_real	232470.0	0.0	116235.0	0.0
load	S203	constant_power_C_real	228580.0	0.0	114290.0	0.0
load	S203	constant_power_A_reac	48494.5	0.0	24247.25	0.0
load	S203	constant_power_B_reac	99031.8	0.0	49515.9	0.0
load	S203	constant_power_AB	565800.0	453931.0	282900.0	226965.5
load	S203	constant_power_BC	475550.0	381525.0	237775.0	190762.5
load	S203	constant_power_CA	533690.0	372518.0	266845.0	186259.0
load	S203	constant_power_AB_real	565800.0	0.0	282900.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S203	constant_power_BC_real	475550.0	0.0	237775.0	0.0
load	S203	constant_power_CA_real	533690.0	0.0	266845.0	0.0
load	S203	constant_power_AB_reac	453931.0	0.0	226965.5	0.0
load	S203	constant_power_BC_reac	381525.0	0.0	190762.5	0.0
load	S203	constant_power_CA_reac	372518.0	0.0	186259.0	0.0
load	S210	constant_power_A	321650.0	116743.0	160825.0	58371.5
load	S210	constant_power_B	303750.0	76126.9	151875.0	38063.45
load	S210	constant_power_C	303870.0	88628.8	151935.0	44314.4
load	S210	constant_power_A_real	321650.0	0.0	160825.0	0.0
load	S210	constant_power_B_real	303750.0	0.0	151875.0	0.0
load	S210	constant_power_C_real	303870.0	0.0	151935.0	0.0
load	S210	constant_power_A_reac	116743.0	0.0	58371.5	0.0
load	S210	constant_power_B_reac	76126.9	0.0	38063.45	0.0
load	S210	constant_power_C_reac	88628.8	0.0	44314.4	0.0
load	S210	constant_power_AB	571830.0	369366.0	285915.0	184683.0
load	S210	constant_power_BC	586560.0	424662.0	293280.0	212331.0
load	S210	constant_power_CA	615940.0	397858.0	307970.0	198929.0
load	S210	constant_power_AB_real	571830.0	0.0	285915.0	0.0
load	S210	constant_power_BC_real	586560.0	0.0	293280.0	0.0
load	S210	constant_power_CA_real	615940.0	0.0	307970.0	0.0
load	S210	constant_power_AB_reac	369366.0	0.0	184683.0	0.0
load	S210	constant_power_BC_reac	424662.0	0.0	212331.0	0.0
load	S210	constant_power_CA_reac	397858.0	0.0	198929.0	0.0
load	S217	constant_power_A	373140.0	158957.0	186570.0	79478.5
load	S217	constant_power_B	320710.0	136622.0	160355.0	68311.0
load	S217	constant_power_C	345840.0	136685.0	172920.0	68342.5
load	S217	constant_power_A_real	373140.0	0.0	186570.0	0.0
load	S217	constant_power_B_real	320710.0	0.0	160355.0	0.0
load	S217	constant_power_C_real	345840.0	0.0	172920.0	0.0
load	S217	constant_power_A_reac	158957.0	0.0	79478.5	0.0
load	S217	constant_power_B_reac	136622.0	0.0	68311.0	0.0
load	S217	constant_power_C_reac	136685.0	0.0	68342.5	0.0
load	S217	constant_power_AB	621670.0	466252.0	310835.0	233126.0
load	S217	constant_power_BC	618180.0	463635.0	309090.0	231817.5
load	S217	constant_power_CA	580830.0	435622.0	290415.0	217811.0
load	S217	constant_power_AB_real	621670.0	0.0	310835.0	0.0
load	S217	constant_power_BC_real	618180.0	0.0	309090.0	0.0
load	S217	constant_power_CA_real	580830.0	0.0	290415.0	0.0
load	S217	constant_power_AB_reac	466252.0	0.0	233126.0	0.0
load	S217	constant_power_BC_reac	463635.0	0.0	231817.5	0.0
load	S217	constant_power_CA_reac	435622.0	0.0	217811.0	0.0
load	S224	constant_power_A	386890.0	176272.0	193445.0	88136.0
load	S224	constant_power_B	317260.0	104278.0	158630.0	52139.0
load	S224	constant_power_C	282420.0	70781.1	141210.0	35390.55
load	S224	constant_power_A_real	386890.0	0.0	193445.0	0.0
load	S224	constant_power_B_real	317260.0	0.0	158630.0	0.0
load	S224	constant_power_C_real	282420.0	0.0	141210.0	0.0
load	S224	constant_power_A_reac	176272.0	0.0	88136.0	0.0
load	S224	constant_power_B_reac	104278.0	0.0	52139.0	0.0
load	S224	constant_power_C_reac	70781.1	0.0	35390.55	0.0
load	S224	constant_power_AB	652020.0	489015.0	326010.0	244507.5
load	S224	constant_power_BC	652910.0	523818.0	326455.0	261909.0
load	S224	constant_power_CA	588220.0	456508.0	294110.0	228254.0
load	S224	constant_power_AB_real	652020.0	0.0	326010.0	0.0
load	S224	constant_power_BC_real	652910.0	0.0	326455.0	0.0
load	S224	constant_power_CA_real	588220.0	0.0	294110.0	0.0
load	S224	constant_power_AB_reac	489015.0	0.0	244507.5	0.0
load	S224	constant_power_BC_reac	523818.0	0.0	261909.0	0.0
load	S224	constant_power_CA_reac	456508.0	0.0	228254.0	0.0
load	S231	constant_power_A	55670.0	22002.2	27835.0	11001.1
load	S231	constant_power_B	39900.0	16997.3	19950.0	8498.65
load	S231	constant_power_C	52710.0	22454.4	26355.0	11227.2
load	S231	constant_power_A_real	55670.0	0.0	27835.0	0.0

Table 3: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	S231	constant_power_B_real	39900.0	0.0	19950.0	0.0
load	S231	constant_power_C_real	52710.0	0.0	26355.0	0.0
load	S231	constant_power_A_reac	22002.2	0.0	11001.1	0.0
load	S231	constant_power_B_reac	16997.3	0.0	8498.65	0.0
load	S231	constant_power_C_reac	22454.4	0.0	11227.2	0.0
load	S231	constant_power_AB	81260.0	58831.2	40630.0	29415.6
load	S231	constant_power_BC	92160.0	73938.3	46080.0	36969.15
load	S231	constant_power_CA	104450.0	67468.0	52225.0	33734.0
load	S231	constant_power_AB_real	81260.0	0.0	40630.0	0.0
load	S231	constant_power_BC_real	92160.0	0.0	46080.0	0.0
load	S231	constant_power_CA_real	104450.0	0.0	52225.0	0.0
load	S231	constant_power_AB_reac	58831.2	0.0	29415.6	0.0
load	S231	constant_power_BC_reac	73938.3	0.0	36969.15	0.0
load	S231	constant_power_CA_reac	67468.0	0.0	33734.0	0.0
load	S236	constant_power_A	276920.0	80768.3	138460.0	40384.15
load	S236	constant_power_B	310850.0	44293.7	155425.0	22146.85
load	S236	constant_power_C	312340.0	133056.0	156170.0	66528.0
load	S236	constant_power_A_real	276920.0	0.0	138460.0	0.0
load	S236	constant_power_B_real	310850.0	0.0	155425.0	0.0
load	S236	constant_power_C_real	312340.0	0.0	156170.0	0.0
load	S236	constant_power_A_reac	80768.3	0.0	40384.15	0.0
load	S236	constant_power_B_reac	44293.7	0.0	22146.85	0.0
load	S236	constant_power_C_reac	133056.0	0.0	66528.0	0.0
load	S236	constant_power_AB	616160.0	494334.0	308080.0	247167.0
load	S236	constant_power_BC	624230.0	533818.0	312115.0	266909.0
load	S236	constant_power_CA	563510.0	437331.0	281755.0	218665.5
load	S236	constant_power_AB_real	616160.0	0.0	308080.0	0.0
load	S236	constant_power_BC_real	624230.0	0.0	312115.0	0.0
load	S236	constant_power_CA_real	563510.0	0.0	281755.0	0.0
load	S236	constant_power_AB_reac	494334.0	0.0	247167.0	0.0
load	S236	constant_power_BC_reac	533818.0	0.0	266909.0	0.0
load	S236	constant_power_CA_reac	437331.0	0.0	218665.5	0.0

Table 4: Validation data for loadfactor IEEE 37 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	801	constant_power_A	140000.0	70000.0	70000.0	35000.0
load	801	constant_power_B	140000.0	70000.0	70000.0	35000.0
load	801	constant_power_C	350000.0	175000.0	175000.0	87500.0
load	801	constant_power_A_real	140000.0	0.0	70000.0	0.0
load	801	constant_power_B_real	140000.0	0.0	70000.0	0.0
load	801	constant_power_C_real	350000.0	0.0	175000.0	0.0
load	801	constant_power_A_reac	70000.0	0.0	35000.0	0.0
load	801	constant_power_B_reac	70000.0	0.0	35000.0	0.0
load	801	constant_power_C_reac	175000.0	0.0	87500.0	0.0
load	812	constant_power_C	85000.0	40000.0	42500.0	20000.0
load	812	constant_power_C_real	85000.0	0.0	42500.0	0.0
load	812	constant_power_C_reac	40000.0	0.0	20000.0	0.0
load	813	constant_power_C	85000.0	40000.0	42500.0	20000.0
load	813	constant_power_C_real	85000.0	0.0	42500.0	0.0
load	813	constant_power_C_reac	40000.0	0.0	20000.0	0.0
load	820	constant_power_C	85000.0	40000.0	42500.0	20000.0
load	820	constant_power_C_real	85000.0	0.0	42500.0	0.0
load	820	constant_power_C_reac	40000.0	0.0	20000.0	0.0
load	825	constant_power_B	42000.0	21000.0	21000.0	10500.0
load	825	constant_power_B_real	42000.0	0.0	21000.0	0.0
load	825	constant_power_B_reac	21000.0	0.0	10500.0	0.0
load	827	constant_power_C	42000.0	21000.0	21000.0	10500.0
load	827	constant_power_C_real	42000.0	0.0	21000.0	0.0
load	827	constant_power_C_reac	21000.0	0.0	10500.0	0.0
load	828	constant_power_A	42000.0	21000.0	21000.0	10500.0
load	828	constant_power_B	42000.0	21000.0	21000.0	10500.0

Table 4: Validation data for loadfactor IEEE 37 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	828	constant_power_C	42000.0	21000.0	21000.0	10500.0
load	828	constant_power_A_real	42000.0	0.0	21000.0	0.0
load	828	constant_power_B_real	42000.0	0.0	21000.0	0.0
load	828	constant_power_C_real	42000.0	0.0	21000.0	0.0
load	828	constant_power_A_reac	21000.0	0.0	10500.0	0.0
load	828	constant_power_B_reac	21000.0	0.0	10500.0	0.0
load	828	constant_power_C_reac	21000.0	0.0	10500.0	0.0
load	832	constant_power_C	42000.0	21000.0	21000.0	10500.0
load	832	constant_power_C_real	42000.0	0.0	21000.0	0.0
load	832	constant_power_C_reac	21000.0	0.0	10500.0	0.0
load	834	constant_power_C	42000.0	21000.0	21000.0	10500.0
load	834	constant_power_C_real	42000.0	0.0	21000.0	0.0
load	834	constant_power_C_reac	21000.0	0.0	10500.0	0.0
load	835	constant_power_C	85000.0	40000.0	42500.0	20000.0
load	835	constant_power_C_real	85000.0	0.0	42500.0	0.0
load	835	constant_power_C_reac	40000.0	0.0	20000.0	0.0
load	838	constant_power_A	126000.0	62000.0	63000.0	31000.0
load	838	constant_power_A_real	126000.0	0.0	63000.0	0.0
load	838	constant_power_A_reac	62000.0	0.0	31000.0	0.0
load	840	constant_power_C	85000.0	40000.0	42500.0	20000.0
load	840	constant_power_C_real	85000.0	0.0	42500.0	0.0
load	840	constant_power_C_reac	40000.0	0.0	20000.0	0.0
load	844	constant_power_A	42000.0	21000.0	21000.0	10500.0
load	844	constant_power_A_real	42000.0	0.0	21000.0	0.0
load	844	constant_power_A_reac	21000.0	0.0	10500.0	0.0

Table 5: Validation data for loadfactor IEEE 8500 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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Table 6: Validation data for loadfactor PG&E AL0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900030148	constant_power_A	58968.2	19381.9	29484.1	9690.95
load	N_900030148	constant_power_A_real	58968.2	0.0	29484.1	0.0
load	N_900030148	constant_power_A_reac	19381.9	0.0	9690.95	0.0
load	N_900054242	constant_power_B	722.975	237.63	361.4875	118.815
load	N_900054242	constant_power_C	722.975	237.63	361.4875	118.815
load	N_900054242	constant_power_B_real	722.975	0.0	361.4875	0.0
load	N_900054242	constant_power_C_real	722.975	0.0	361.4875	0.0
load	N_900054242	constant_power_B_reac	237.63	0.0	118.815	0.0
load	N_900054242	constant_power_C_reac	237.63	0.0	118.815	0.0
load	N_900054240	constant_power_B	3074.72	1013.03	1537.36	506.515
load	N_900054240	constant_power_C	3074.72	1013.03	1537.36	506.515
load	N_900054240	constant_power_B_real	3074.72	0.0	1537.36	0.0
load	N_900054240	constant_power_C_real	3074.72	0.0	1537.36	0.0
load	N_900054240	constant_power_B_reac	1013.03	0.0	506.515	0.0
load	N_900054240	constant_power_C_reac	1013.03	0.0	506.515	0.0
load	N_900054246	constant_power_B	556.774	183.003	278.387	91.5015
load	N_900054246	constant_power_C	556.774	183.003	278.387	91.5015
load	N_900054246	constant_power_B_real	556.774	0.0	278.387	0.0
load	N_900054246	constant_power_C_real	556.774	0.0	278.387	0.0
load	N_900054246	constant_power_B_reac	183.003	0.0	91.5015	0.0
load	N_900054246	constant_power_C_reac	183.003	0.0	91.5015	0.0
load	N_900059269	constant_power_B	24.93	15.4502	12.465	7.7251
load	N_900059269	constant_power_C	24.93	15.4502	12.465	7.7251
load	N_900059269	constant_power_B_real	24.93	0.0	12.465	0.0
load	N_900059269	constant_power_C_real	24.93	0.0	12.465	0.0
load	N_900059269	constant_power_B_reac	15.4502	0.0	7.7251	0.0
load	N_900059269	constant_power_C_reac	15.4502	0.0	7.7251	0.0
load	N_900054244	constant_power_B	972.277	319.572	486.1385	159.786

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900054244	constant_power_C	972.277	319.572	486.1385	159.786
load	N_900054244	constant_power_B_real	972.277	0.0	486.1385	0.0
load	N_900054244	constant_power_C_real	972.277	0.0	486.1385	0.0
load	N_900054244	constant_power_B_reac	319.572	0.0	159.786	0.0
load	N_900054244	constant_power_C_reac	319.572	0.0	159.786	0.0
load	N_900034569	constant_power_B	814.386	267.676	407.193	133.838
load	N_900034569	constant_power_C	814.386	267.676	407.193	133.838
load	N_900034569	constant_power_B_real	814.386	0.0	407.193	0.0
load	N_900034569	constant_power_C_real	814.386	0.0	407.193	0.0
load	N_900034569	constant_power_B_reac	267.676	0.0	133.838	0.0
load	N_900034569	constant_power_C_reac	267.676	0.0	133.838	0.0
load	N_900055531	constant_power_C	166.201	54.6276	83.1005	27.3138
load	N_900055531	constant_power_C_real	166.201	0.0	83.1005	0.0
load	N_900055531	constant_power_C_reac	54.6276	0.0	27.3138	0.0
load	N_900055537	constant_power_C	2875.28	945.059	1437.64	472.5295
load	N_900055537	constant_power_C_real	2875.28	0.0	1437.64	0.0
load	N_900055537	constant_power_C_reac	945.059	0.0	472.5295	0.0
load	N_900055535	constant_power_C	3157.82	1037.93	1578.91	518.965
load	N_900055535	constant_power_C_real	3157.82	0.0	1578.91	0.0
load	N_900055535	constant_power_C_reac	1037.93	0.0	518.965	0.0
load	N_900002018	constant_power_A	1695.25	557.202	847.625	278.601
load	N_900002018	constant_power_B	1695.25	557.202	847.625	278.601
load	N_900002018	constant_power_A_real	1695.25	0.0	847.625	0.0
load	N_900002018	constant_power_B_real	1695.25	0.0	847.625	0.0
load	N_900002018	constant_power_A_reac	557.202	0.0	278.601	0.0
load	N_900002018	constant_power_B_reac	557.202	0.0	278.601	0.0
load	N_900007174	constant_power_B	1894.69	622.755	947.345	311.3775
load	N_900007174	constant_power_C	1894.69	622.755	947.345	311.3775
load	N_900007174	constant_power_B_real	1894.69	0.0	947.345	0.0
load	N_900007174	constant_power_C_real	1894.69	0.0	947.345	0.0
load	N_900007174	constant_power_B_reac	622.755	0.0	311.3775	0.0
load	N_900007174	constant_power_C_reac	622.755	0.0	311.3775	0.0
load	N_900060773	constant_power_A	6265.78	2059.46	3132.89	1029.73
load	N_900060773	constant_power_B	6265.78	2059.46	3132.89	1029.73
load	N_900060773	constant_power_A_real	6265.78	0.0	3132.89	0.0
load	N_900060773	constant_power_B_real	6265.78	0.0	3132.89	0.0
load	N_900060773	constant_power_A_reac	2059.46	0.0	1029.73	0.0
load	N_900060773	constant_power_B_reac	2059.46	0.0	1029.73	0.0
load	N_900080826	constant_power_A	7412.57	2436.39	3706.285	1218.195
load	N_900080826	constant_power_B	7412.57	2436.39	3706.285	1218.195
load	N_900080826	constant_power_A_real	7412.57	0.0	3706.285	0.0
load	N_900080826	constant_power_B_real	7412.57	0.0	3706.285	0.0
load	N_900080826	constant_power_A_reac	2436.39	0.0	1218.195	0.0
load	N_900080826	constant_power_B_reac	2436.39	0.0	1218.195	0.0
load	N_900012899	constant_power_A	2285.27	751.131	1142.635	375.5655
load	N_900012899	constant_power_B	2285.27	751.131	1142.635	375.5655
load	N_900012899	constant_power_A_real	2285.27	0.0	1142.635	0.0
load	N_900012899	constant_power_B_real	2285.27	0.0	1142.635	0.0
load	N_900012899	constant_power_A_reac	751.131	0.0	375.5655	0.0
load	N_900012899	constant_power_B_reac	751.131	0.0	375.5655	0.0
load	N_900059587	constant_power_A	8708.94	2862.49	4354.47	1431.245
load	N_900059587	constant_power_B	8708.94	2862.49	4354.47	1431.245
load	N_900059587	constant_power_C	8708.94	2862.49	4354.47	1431.245
load	N_900059587	constant_power_A_real	8708.94	0.0	4354.47	0.0
load	N_900059587	constant_power_B_real	8708.94	0.0	4354.47	0.0
load	N_900059587	constant_power_C_real	8708.94	0.0	4354.47	0.0
load	N_900059587	constant_power_A_reac	2862.49	0.0	1431.245	0.0
load	N_900059587	constant_power_B_reac	2862.49	0.0	1431.245	0.0
load	N_900059587	constant_power_C_reac	2862.49	0.0	1431.245	0.0
load	N_900059165	constant_power_B	5010.97	1671.21	2505.485	835.605
load	N_900059165	constant_power_C	5010.97	1671.21	2505.485	835.605
load	N_900059165	constant_power_B_real	5010.97	0.0	2505.485	0.0
load	N_900059165	constant_power_C_real	5010.97	0.0	2505.485	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059165	constant_power_B_reac	1671.21	0.0	835.605	0.0
load	N_900059165	constant_power_C_reac	1671.21	0.0	835.605	0.0
load	N_900032807	constant_power_A	4709.03	2918.4	2354.515	1459.2
load	N_900032807	constant_power_B	4709.03	2918.4	2354.515	1459.2
load	N_900032807	constant_power_C	4709.03	2918.4	2354.515	1459.2
load	N_900032807	constant_power_A_real	4709.03	0.0	2354.515	0.0
load	N_900032807	constant_power_B_real	4709.03	0.0	2354.515	0.0
load	N_900032807	constant_power_C_real	4709.03	0.0	2354.515	0.0
load	N_900032807	constant_power_A_reac	2918.4	0.0	1459.2	0.0
load	N_900032807	constant_power_B_reac	2918.4	0.0	1459.2	0.0
load	N_900032807	constant_power_C_reac	2918.4	0.0	1459.2	0.0
load	N_900059249	constant_power_B	4221.51	1387.54	2110.755	693.77
load	N_900059249	constant_power_C	4221.51	1387.54	2110.755	693.77
load	N_900059249	constant_power_B_real	4221.51	0.0	2110.755	0.0
load	N_900059249	constant_power_C_real	4221.51	0.0	2110.755	0.0
load	N_900059249	constant_power_B_reac	1387.54	0.0	693.77	0.0
load	N_900059249	constant_power_C_reac	1387.54	0.0	693.77	0.0
load	N_600028722	constant_power_C	5484.64	1802.71	2742.32	901.355
load	N_600028722	constant_power_C_real	5484.64	0.0	2742.32	0.0
load	N_600028722	constant_power_C_reac	1802.71	0.0	901.355	0.0
load	N_900032441	constant_power_A	18115.9	11227.2	9057.95	5613.6
load	N_900032441	constant_power_B	18115.9	11227.2	9057.95	5613.6
load	N_900032441	constant_power_C	18115.9	11227.2	9057.95	5613.6
load	N_900032441	constant_power_A_real	18115.9	0.0	9057.95	0.0
load	N_900032441	constant_power_B_real	18115.9	0.0	9057.95	0.0
load	N_900032441	constant_power_C_real	18115.9	0.0	9057.95	0.0
load	N_900032441	constant_power_A_reac	11227.2	0.0	5613.6	0.0
load	N_900032441	constant_power_B_reac	11227.2	0.0	5613.6	0.0
load	N_900032441	constant_power_C_reac	11227.2	0.0	5613.6	0.0
load	N_900059243	constant_power_B	5168.85	1698.92	2584.425	849.46
load	N_900059243	constant_power_C	5168.85	1698.92	2584.425	849.46
load	N_900059243	constant_power_B_real	5168.85	0.0	2584.425	0.0
load	N_900059243	constant_power_C_real	5168.85	0.0	2584.425	0.0
load	N_900059243	constant_power_B_reac	1698.92	0.0	849.46	0.0
load	N_900059243	constant_power_C_reac	1698.92	0.0	849.46	0.0
load	N_900059242	constant_power_B	5202.1	1709.85	2601.05	854.925
load	N_900059242	constant_power_C	5202.1	1709.85	2601.05	854.925
load	N_900059242	constant_power_B_real	5202.1	0.0	2601.05	0.0
load	N_900059242	constant_power_C_real	5202.1	0.0	2601.05	0.0
load	N_900059242	constant_power_B_reac	1709.85	0.0	854.925	0.0
load	N_900059242	constant_power_C_reac	1709.85	0.0	854.925	0.0
load	N_900082011	constant_power_A	18132.5	5959.88	9066.25	2979.94
load	N_900082011	constant_power_B	18132.5	5959.88	9066.25	2979.94
load	N_900082011	constant_power_A_real	18132.5	0.0	9066.25	0.0
load	N_900082011	constant_power_B_real	18132.5	0.0	9066.25	0.0
load	N_900082011	constant_power_A_reac	5959.88	0.0	2979.94	0.0
load	N_900082011	constant_power_B_reac	5959.88	0.0	2979.94	0.0
load	N_900060958	constant_power_C	17999.6	5916.18	8999.8	2958.09
load	N_900060958	constant_power_C_real	17999.6	0.0	8999.8	0.0
load	N_900060958	constant_power_C_reac	5916.18	0.0	2958.09	0.0
load	N_920040131	constant_power_A	3398.81	1117.14	1699.405	558.57
load	N_920040131	constant_power_B	3398.81	1117.14	1699.405	558.57
load	N_920040131	constant_power_A_real	3398.81	0.0	1699.405	0.0
load	N_920040131	constant_power_B_real	3398.81	0.0	1699.405	0.0
load	N_920040131	constant_power_A_reac	1117.14	0.0	558.57	0.0
load	N_920040131	constant_power_B_reac	1117.14	0.0	558.57	0.0
load	N_900011845	constant_power_A	2666.67	1652.65	1333.335	826.325
load	N_900011845	constant_power_B	2666.67	1652.65	1333.335	826.325
load	N_900011845	constant_power_C	2666.67	1652.65	1333.335	826.325
load	N_900011845	constant_power_A_real	2666.67	0.0	1333.335	0.0
load	N_900011845	constant_power_B_real	2666.67	0.0	1333.335	0.0
load	N_900011845	constant_power_C_real	2666.67	0.0	1333.335	0.0
load	N_900011845	constant_power_A_reac	1652.65	0.0	826.325	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900011845	constant_power_B_reac	1652.65	0.0	826.325	0.0
load	N_900011845	constant_power_C_reac	1652.65	0.0	826.325	0.0
load	N_900059641	constant_power_A	9963.76	3274.93	4981.88	1637.465
load	N_900059641	constant_power_B	9963.76	3274.93	4981.88	1637.465
load	N_900059641	constant_power_A_real	9963.76	0.0	4981.88	0.0
load	N_900059641	constant_power_B_real	9963.76	0.0	4981.88	0.0
load	N_900059641	constant_power_A_reac	3274.93	0.0	1637.465	0.0
load	N_900059641	constant_power_B_reac	3274.93	0.0	1637.465	0.0
load	N_900059643	constant_power_A	5609.29	1843.68	2804.645	921.84
load	N_900059643	constant_power_B	5609.29	1843.68	2804.645	921.84
load	N_900059643	constant_power_A_real	5609.29	0.0	2804.645	0.0
load	N_900059643	constant_power_B_real	5609.29	0.0	2804.645	0.0
load	N_900059643	constant_power_A_reac	1843.68	0.0	921.84	0.0
load	N_900059643	constant_power_B_reac	1843.68	0.0	921.84	0.0
load	N_900059642	constant_power_A	15365.3	5050.33	7682.65	2525.165
load	N_900059642	constant_power_B	15365.3	5050.33	7682.65	2525.165
load	N_900059642	constant_power_A_real	15365.3	0.0	7682.65	0.0
load	N_900059642	constant_power_B_real	15365.3	0.0	7682.65	0.0
load	N_900059642	constant_power_A_reac	5050.33	0.0	2525.165	0.0
load	N_900059642	constant_power_B_reac	5050.33	0.0	2525.165	0.0
load	N_900059645	constant_power_A	9850.19	3452.06	4925.095	1726.03
load	N_900059645	constant_power_B	9850.19	3452.06	4925.095	1726.03
load	N_900059645	constant_power_C	9850.19	3452.06	4925.095	1726.03
load	N_900059645	constant_power_A_real	9850.19	0.0	4925.095	0.0
load	N_900059645	constant_power_B_real	9850.19	0.0	4925.095	0.0
load	N_900059645	constant_power_C_real	9850.19	0.0	4925.095	0.0
load	N_900059645	constant_power_A_reac	3452.06	0.0	1726.03	0.0
load	N_900059645	constant_power_B_reac	3452.06	0.0	1726.03	0.0
load	N_900059645	constant_power_C_reac	3452.06	0.0	1726.03	0.0
load	N_900037384	constant_power_A	17841.7	5864.28	8920.85	2932.14
load	N_900037384	constant_power_B	17841.7	5864.28	8920.85	2932.14
load	N_900037384	constant_power_A_real	17841.7	0.0	8920.85	0.0
load	N_900037384	constant_power_B_real	17841.7	0.0	8920.85	0.0
load	N_900037384	constant_power_A_reac	5864.28	0.0	2932.14	0.0
load	N_900037384	constant_power_B_reac	5864.28	0.0	2932.14	0.0
load	N_900037386	constant_power_A	1770.04	581.785	885.02	290.8925
load	N_900037386	constant_power_B	1770.04	581.785	885.02	290.8925
load	N_900037386	constant_power_A_real	1770.04	0.0	885.02	0.0
load	N_900037386	constant_power_B_real	1770.04	0.0	885.02	0.0
load	N_900037386	constant_power_A_reac	581.785	0.0	290.8925	0.0
load	N_900037386	constant_power_B_reac	581.785	0.0	290.8925	0.0
load	N_900030769	constant_power_A	9312.8	3060.97	4656.4	1530.485
load	N_900030769	constant_power_B	9312.8	3060.97	4656.4	1530.485
load	N_900030769	constant_power_C	9312.8	3060.97	4656.4	1530.485
load	N_900030769	constant_power_A_real	9312.8	0.0	4656.4	0.0
load	N_900030769	constant_power_B_real	9312.8	0.0	4656.4	0.0
load	N_900030769	constant_power_C_real	9312.8	0.0	4656.4	0.0
load	N_900030769	constant_power_A_reac	3060.97	0.0	1530.485	0.0
load	N_900030769	constant_power_B_reac	3060.97	0.0	1530.485	0.0
load	N_900030769	constant_power_C_reac	3060.97	0.0	1530.485	0.0
load	N_900018504	constant_power_A	5293.51	1739.89	2646.755	869.945
load	N_900018504	constant_power_B	5293.51	1739.89	2646.755	869.945
load	N_900018504	constant_power_A_real	5293.51	0.0	2646.755	0.0
load	N_900018504	constant_power_B_real	5293.51	0.0	2646.755	0.0
load	N_900018504	constant_power_A_reac	1739.89	0.0	869.945	0.0
load	N_900018504	constant_power_B_reac	1739.89	0.0	869.945	0.0
load	N_900059016	constant_power_B	3565.01	1171.76	1782.505	585.88
load	N_900059016	constant_power_C	3565.01	1171.76	1782.505	585.88
load	N_900059016	constant_power_B_real	3565.01	0.0	1782.505	0.0
load	N_900059016	constant_power_C_real	3565.01	0.0	1782.505	0.0
load	N_900059016	constant_power_B_reac	1171.76	0.0	585.88	0.0
load	N_900059016	constant_power_C_reac	1171.76	0.0	585.88	0.0
load	N_900081965	constant_power_A	5999.86	1972.06	2999.93	986.03

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900081965	constant_power_B	5999.86	1972.06	2999.93	986.03
load	N_900081965	constant_power_C	5999.86	1972.06	2999.93	986.03
load	N_900081965	constant_power_A_real	5999.86	0.0	2999.93	0.0
load	N_900081965	constant_power_B_real	5999.86	0.0	2999.93	0.0
load	N_900081965	constant_power_C_real	5999.86	0.0	2999.93	0.0
load	N_900081965	constant_power_A_reac	1972.06	0.0	986.03	0.0
load	N_900081965	constant_power_B_reac	1972.06	0.0	986.03	0.0
load	N_900081965	constant_power_C_reac	1972.06	0.0	986.03	0.0
load	N_900081964	constant_power_A	8919.46	2931.69	4459.73	1465.845
load	N_900081964	constant_power_B	8919.46	2931.69	4459.73	1465.845
load	N_900081964	constant_power_C	8919.46	2931.69	4459.73	1465.845
load	N_900081964	constant_power_A_real	8919.46	0.0	4459.73	0.0
load	N_900081964	constant_power_B_real	8919.46	0.0	4459.73	0.0
load	N_900081964	constant_power_C_real	8919.46	0.0	4459.73	0.0
load	N_900081964	constant_power_A_reac	2931.69	0.0	1465.845	0.0
load	N_900081964	constant_power_B_reac	2931.69	0.0	1465.845	0.0
load	N_900081964	constant_power_C_reac	2931.69	0.0	1465.845	0.0
load	N_900059551	constant_power_B	132.961	43.7022	66.4805	21.8511
load	N_900059551	constant_power_C	132.961	43.7022	66.4805	21.8511
load	N_900059551	constant_power_B_real	132.961	0.0	66.4805	0.0
load	N_900059551	constant_power_C_real	132.961	0.0	66.4805	0.0
load	N_900059551	constant_power_B_reac	43.7022	0.0	21.8511	0.0
load	N_900059551	constant_power_C_reac	43.7022	0.0	21.8511	0.0
load	N_900060824	constant_power_A	5185.48	1704.38	2592.74	852.19
load	N_900060824	constant_power_B	5185.48	1704.38	2592.74	852.19
load	N_900060824	constant_power_C	5185.48	1704.38	2592.74	852.19
load	N_900060824	constant_power_A_real	5185.48	0.0	2592.74	0.0
load	N_900060824	constant_power_B_real	5185.48	0.0	2592.74	0.0
load	N_900060824	constant_power_C_real	5185.48	0.0	2592.74	0.0
load	N_900060824	constant_power_A_reac	1704.38	0.0	852.19	0.0
load	N_900060824	constant_power_B_reac	1704.38	0.0	852.19	0.0
load	N_900060824	constant_power_C_reac	1704.38	0.0	852.19	0.0
load	N_900060827	constant_power_A	1274.21	418.812	637.105	209.406
load	N_900060827	constant_power_B	1274.21	418.812	637.105	209.406
load	N_900060827	constant_power_C	1274.21	418.812	637.105	209.406
load	N_900060827	constant_power_A_real	1274.21	0.0	637.105	0.0
load	N_900060827	constant_power_B_real	1274.21	0.0	637.105	0.0
load	N_900060827	constant_power_C_real	1274.21	0.0	637.105	0.0
load	N_900060827	constant_power_A_reac	418.812	0.0	209.406	0.0
load	N_900060827	constant_power_B_reac	418.812	0.0	209.406	0.0
load	N_900060827	constant_power_C_reac	418.812	0.0	209.406	0.0
load	N_900060826	constant_power_A	3484.68	1145.36	1742.34	572.68
load	N_900060826	constant_power_B	3484.68	1145.36	1742.34	572.68
load	N_900060826	constant_power_C	3484.68	1145.36	1742.34	572.68
load	N_900060826	constant_power_A_real	3484.68	0.0	1742.34	0.0
load	N_900060826	constant_power_B_real	3484.68	0.0	1742.34	0.0
load	N_900060826	constant_power_C_real	3484.68	0.0	1742.34	0.0
load	N_900060826	constant_power_A_reac	1145.36	0.0	572.68	0.0
load	N_900060826	constant_power_B_reac	1145.36	0.0	572.68	0.0
load	N_900060826	constant_power_C_reac	1145.36	0.0	572.68	0.0
load	N_900060821	constant_power_A	1869.76	614.561	934.88	307.2805
load	N_900060821	constant_power_B	1869.76	614.561	934.88	307.2805
load	N_900060821	constant_power_A_real	1869.76	0.0	934.88	0.0
load	N_900060821	constant_power_B_real	1869.76	0.0	934.88	0.0
load	N_900060821	constant_power_A_reac	614.561	0.0	307.2805	0.0
load	N_900060821	constant_power_B_reac	614.561	0.0	307.2805	0.0
load	N_900058943	constant_power_B	1620.46	532.62	810.23	266.31
load	N_900058943	constant_power_C	1620.46	532.62	810.23	266.31
load	N_900058943	constant_power_B_real	1620.46	0.0	810.23	0.0
load	N_900058943	constant_power_C_real	1620.46	0.0	810.23	0.0
load	N_900058943	constant_power_B_reac	532.62	0.0	266.31	0.0
load	N_900058943	constant_power_C_reac	532.62	0.0	266.31	0.0
load	N_900060822	constant_power_A	2398.84	840.059	1199.42	420.0295

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900060822	constant_power_B	2398.84	840.059	1199.42	420.0295
load	N_900060822	constant_power_C	2398.84	840.059	1199.42	420.0295
load	N_900060822	constant_power_A_real	2398.84	0.0	1199.42	0.0
load	N_900060822	constant_power_B_real	2398.84	0.0	1199.42	0.0
load	N_900060822	constant_power_C_real	2398.84	0.0	1199.42	0.0
load	N_900060822	constant_power_A_reac	840.059	0.0	420.0295	0.0
load	N_900060822	constant_power_B_reac	840.059	0.0	420.0295	0.0
load	N_900060822	constant_power_C_reac	840.059	0.0	420.0295	0.0
load	N_900010874	constant_power_A	6864.11	2256.12	3432.055	1128.06
load	N_900010874	constant_power_B	6864.11	2256.12	3432.055	1128.06
load	N_900010874	constant_power_A_real	6864.11	0.0	3432.055	0.0
load	N_900010874	constant_power_B_real	6864.11	0.0	3432.055	0.0
load	N_900010874	constant_power_A_reac	2256.12	0.0	1128.06	0.0
load	N_900010874	constant_power_B_reac	2256.12	0.0	1128.06	0.0
load	N_900060829	constant_power_A	3938.97	1294.68	1969.485	647.34
load	N_900060829	constant_power_B	3938.97	1294.68	1969.485	647.34
load	N_900060829	constant_power_A_real	3938.97	0.0	1969.485	0.0
load	N_900060829	constant_power_B_real	3938.97	0.0	1969.485	0.0
load	N_900060829	constant_power_A_reac	1294.68	0.0	647.34	0.0
load	N_900060829	constant_power_B_reac	1294.68	0.0	647.34	0.0
load	N_900060828	constant_power_A	3199.37	1051.58	1599.685	525.79
load	N_900060828	constant_power_B	3199.37	1051.58	1599.685	525.79
load	N_900060828	constant_power_A_real	3199.37	0.0	1599.685	0.0
load	N_900060828	constant_power_B_real	3199.37	0.0	1599.685	0.0
load	N_900060828	constant_power_A_reac	1051.58	0.0	525.79	0.0
load	N_900060828	constant_power_B_reac	1051.58	0.0	525.79	0.0
load	N_900192766	constant_power_A	7113.41	2352.58	3556.705	1176.29
load	N_900192766	constant_power_B	7113.41	2352.58	3556.705	1176.29
load	N_900192766	constant_power_C	7113.41	2352.58	3556.705	1176.29
load	N_900192766	constant_power_A_real	7113.41	0.0	3556.705	0.0
load	N_900192766	constant_power_B_real	7113.41	0.0	3556.705	0.0
load	N_900192766	constant_power_C_real	7113.41	0.0	3556.705	0.0
load	N_900192766	constant_power_A_reac	2352.58	0.0	1176.29	0.0
load	N_900192766	constant_power_B_reac	2352.58	0.0	1176.29	0.0
load	N_900192766	constant_power_C_reac	2352.58	0.0	1176.29	0.0
load	N_900056774	constant_power_A	2254.8	741.115	1127.4	370.5575
load	N_900056774	constant_power_B	2254.8	741.115	1127.4	370.5575
load	N_900056774	constant_power_C	2254.8	741.115	1127.4	370.5575
load	N_900056774	constant_power_A_real	2254.8	0.0	1127.4	0.0
load	N_900056774	constant_power_B_real	2254.8	0.0	1127.4	0.0
load	N_900056774	constant_power_C_real	2254.8	0.0	1127.4	0.0
load	N_900056774	constant_power_A_reac	741.115	0.0	370.5575	0.0
load	N_900056774	constant_power_B_reac	741.115	0.0	370.5575	0.0
load	N_900056774	constant_power_C_reac	741.115	0.0	370.5575	0.0
load	N_900076445	constant_power_A	17841.7	5864.28	8920.85	2932.14
load	N_900076445	constant_power_B	17841.7	5864.28	8920.85	2932.14
load	N_900076445	constant_power_A_real	17841.7	0.0	8920.85	0.0
load	N_900076445	constant_power_B_real	17841.7	0.0	8920.85	0.0
load	N_900076445	constant_power_A_reac	5864.28	0.0	2932.14	0.0
load	N_900076445	constant_power_B_reac	5864.28	0.0	2932.14	0.0
load	N_900076446	constant_power_A	17093.8	5618.46	8546.9	2809.23
load	N_900076446	constant_power_B	17093.8	5618.46	8546.9	2809.23
load	N_900076446	constant_power_A_real	17093.8	0.0	8546.9	0.0
load	N_900076446	constant_power_B_real	17093.8	0.0	8546.9	0.0
load	N_900076446	constant_power_A_reac	5618.46	0.0	2809.23	0.0
load	N_900076446	constant_power_B_reac	5618.46	0.0	2809.23	0.0
load	N_900108310	constant_power_B	1337.92	439.753	668.96	219.8765
load	N_900108310	constant_power_C	1337.92	439.753	668.96	219.8765
load	N_900108310	constant_power_B_real	1337.92	0.0	668.96	0.0
load	N_900108310	constant_power_C_real	1337.92	0.0	668.96	0.0
load	N_900108310	constant_power_B_reac	439.753	0.0	219.8765	0.0
load	N_900108310	constant_power_C_reac	439.753	0.0	219.8765	0.0
load	N_900060731	constant_power_A	4130.1	1357.5	2065.05	678.75

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900060731	constant_power_B	4130.1	1357.5	2065.05	678.75
load	N_900060731	constant_power_A_real	4130.1	0.0	2065.05	0.0
load	N_900060731	constant_power_B_real	4130.1	0.0	2065.05	0.0
load	N_900060731	constant_power_A_reac	1357.5	0.0	678.75	0.0
load	N_900060731	constant_power_B_reac	1357.5	0.0	678.75	0.0
load	N_900060732	constant_power_A	15664.5	5148.66	7832.25	2574.33
load	N_900060732	constant_power_B	15664.5	5148.66	7832.25	2574.33
load	N_900060732	constant_power_A_real	15664.5	0.0	7832.25	0.0
load	N_900060732	constant_power_B_real	15664.5	0.0	7832.25	0.0
load	N_900060732	constant_power_A_reac	5148.66	0.0	2574.33	0.0
load	N_900060732	constant_power_B_reac	5148.66	0.0	2574.33	0.0
load	N_900058937	constant_power_B	1504.12	494.38	752.06	247.19
load	N_900058937	constant_power_C	1504.12	494.38	752.06	247.19
load	N_900058937	constant_power_B_real	1504.12	0.0	752.06	0.0
load	N_900058937	constant_power_C_real	1504.12	0.0	752.06	0.0
load	N_900058937	constant_power_B_reac	494.38	0.0	247.19	0.0
load	N_900058937	constant_power_C_reac	494.38	0.0	247.19	0.0
load	N_900060734	constant_power_A	4279.68	1406.66	2139.84	703.33
load	N_900060734	constant_power_B	4279.68	1406.66	2139.84	703.33
load	N_900060734	constant_power_A_real	4279.68	0.0	2139.84	0.0
load	N_900060734	constant_power_B_real	4279.68	0.0	2139.84	0.0
load	N_900060734	constant_power_A_reac	1406.66	0.0	703.33	0.0
load	N_900060734	constant_power_B_reac	1406.66	0.0	703.33	0.0
load	N_900060737	constant_power_A	9332.19	3067.34	4666.095	1533.67
load	N_900060737	constant_power_B	9332.19	3067.34	4666.095	1533.67
load	N_900060737	constant_power_A_real	9332.19	0.0	4666.095	0.0
load	N_900060737	constant_power_B_real	9332.19	0.0	4666.095	0.0
load	N_900060737	constant_power_A_reac	3067.34	0.0	1533.67	0.0
load	N_900060737	constant_power_B_reac	3067.34	0.0	1533.67	0.0
load	N_900081065	constant_power_A	17899.9	5883.4	8949.95	2941.7
load	N_900081065	constant_power_C	17899.9	5883.4	8949.95	2941.7
load	N_900081065	constant_power_A_real	17899.9	0.0	8949.95	0.0
load	N_900081065	constant_power_C_real	17899.9	0.0	8949.95	0.0
load	N_900081065	constant_power_A_reac	5883.4	0.0	2941.7	0.0
load	N_900081065	constant_power_C_reac	5883.4	0.0	2941.7	0.0
load	N_900081060	constant_power_A	14232.4	4677.95	7116.2	2338.975
load	N_900081060	constant_power_B	14232.4	4677.95	7116.2	2338.975
load	N_900081060	constant_power_C	14232.4	4677.95	7116.2	2338.975
load	N_900081060	constant_power_A_real	14232.4	0.0	7116.2	0.0
load	N_900081060	constant_power_B_real	14232.4	0.0	7116.2	0.0
load	N_900081060	constant_power_C_real	14232.4	0.0	7116.2	0.0
load	N_900081060	constant_power_A_reac	4677.95	0.0	2338.975	0.0
load	N_900081060	constant_power_B_reac	4677.95	0.0	2338.975	0.0
load	N_900081060	constant_power_C_reac	4677.95	0.0	2338.975	0.0
load	N_900081061	constant_power_A	29932.8	9838.44	14966.4	4919.22
load	N_900081061	constant_power_C	29932.8	9838.44	14966.4	4919.22
load	N_900081061	constant_power_A_real	29932.8	0.0	14966.4	0.0
load	N_900081061	constant_power_C_real	29932.8	0.0	14966.4	0.0
load	N_900081061	constant_power_A_reac	9838.44	0.0	4919.22	0.0
load	N_900081061	constant_power_C_reac	9838.44	0.0	4919.22	0.0
load	N_900010657	constant_power_A	5379.38	1768.12	2689.69	884.06
load	N_900010657	constant_power_B	5379.38	1768.12	2689.69	884.06
load	N_900010657	constant_power_C	5379.38	1768.12	2689.69	884.06
load	N_900010657	constant_power_A_real	5379.38	0.0	2689.69	0.0
load	N_900010657	constant_power_B_real	5379.38	0.0	2689.69	0.0
load	N_900010657	constant_power_C_real	5379.38	0.0	2689.69	0.0
load	N_900010657	constant_power_A_reac	1768.12	0.0	884.06	0.0
load	N_900010657	constant_power_B_reac	1768.12	0.0	884.06	0.0
load	N_900010657	constant_power_C_reac	1768.12	0.0	884.06	0.0
load	N_900036538	constant_power_A	972.277	319.572	486.1385	159.786
load	N_900036538	constant_power_B	972.277	319.572	486.1385	159.786
load	N_900036538	constant_power_A_real	972.277	0.0	486.1385	0.0
load	N_900036538	constant_power_B_real	972.277	0.0	486.1385	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900036538	constant_power_A_reac	319.572	0.0	159.786	0.0
load	N_900036538	constant_power_B_reac	319.572	0.0	159.786	0.0
load	N_900076501	constant_power_A	12780.9	4200.87	6390.45	2100.435
load	N_900076501	constant_power_C	12780.9	4200.87	6390.45	2100.435
load	N_900076501	constant_power_A_real	12780.9	0.0	6390.45	0.0
load	N_900076501	constant_power_C_real	12780.9	0.0	6390.45	0.0
load	N_900076501	constant_power_A_reac	4200.87	0.0	2100.435	0.0
load	N_900076501	constant_power_C_reac	4200.87	0.0	2100.435	0.0
load	N_900076500	constant_power_A	15190.8	4992.97	7595.4	2496.485
load	N_900076500	constant_power_C	15190.8	4992.97	7595.4	2496.485
load	N_900076500	constant_power_A_real	15190.8	0.0	7595.4	0.0
load	N_900076500	constant_power_C_real	15190.8	0.0	7595.4	0.0
load	N_900076500	constant_power_A_reac	4992.97	0.0	2496.485	0.0
load	N_900076500	constant_power_C_reac	4992.97	0.0	2496.485	0.0
load	N_900019570	constant_power_A	1886.38	620.024	943.19	310.012
load	N_900019570	constant_power_B	1886.38	620.024	943.19	310.012
load	N_900019570	constant_power_A_real	1886.38	0.0	943.19	0.0
load	N_900019570	constant_power_B_real	1886.38	0.0	943.19	0.0
load	N_900019570	constant_power_A_reac	620.024	0.0	310.012	0.0
load	N_900019570	constant_power_B_reac	620.024	0.0	310.012	0.0
load	N_900059421	constant_power_A	12182.5	4165.46	6091.25	2082.73
load	N_900059421	constant_power_B	12182.5	4165.46	6091.25	2082.73
load	N_900059421	constant_power_C	12182.5	4165.46	6091.25	2082.73
load	N_900059421	constant_power_A_real	12182.5	0.0	6091.25	0.0
load	N_900059421	constant_power_B_real	12182.5	0.0	6091.25	0.0
load	N_900059421	constant_power_C_real	12182.5	0.0	6091.25	0.0
load	N_900059421	constant_power_A_reac	4165.46	0.0	2082.73	0.0
load	N_900059421	constant_power_B_reac	4165.46	0.0	2082.73	0.0
load	N_900059421	constant_power_C_reac	4165.46	0.0	2082.73	0.0
load	N_900042296	constant_power_B	4113.48	1352.03	2056.74	676.015
load	N_900042296	constant_power_C	4113.48	1352.03	2056.74	676.015
load	N_900042296	constant_power_B_real	4113.48	0.0	2056.74	0.0
load	N_900042296	constant_power_C_real	4113.48	0.0	2056.74	0.0
load	N_900042296	constant_power_B_reac	1352.03	0.0	676.015	0.0
load	N_900042296	constant_power_C_reac	1352.03	0.0	676.015	0.0
load	N_900059426	constant_power_A	18741.9	6160.18	9370.95	3080.09
load	N_900059426	constant_power_B	18741.9	6160.18	9370.95	3080.09
load	N_900059426	constant_power_C	18741.9	6160.18	9370.95	3080.09
load	N_900059426	constant_power_A_real	18741.9	0.0	9370.95	0.0
load	N_900059426	constant_power_B_real	18741.9	0.0	9370.95	0.0
load	N_900059426	constant_power_C_real	18741.9	0.0	9370.95	0.0
load	N_900059426	constant_power_A_reac	6160.18	0.0	3080.09	0.0
load	N_900059426	constant_power_B_reac	6160.18	0.0	3080.09	0.0
load	N_900059426	constant_power_C_reac	6160.18	0.0	3080.09	0.0
load	N_900059541	constant_power_A	3540.08	1163.57	1770.04	581.785
load	N_900059541	constant_power_B	3540.08	1163.57	1770.04	581.785
load	N_900059541	constant_power_A_real	3540.08	0.0	1770.04	0.0
load	N_900059541	constant_power_B_real	3540.08	0.0	1770.04	0.0
load	N_900059541	constant_power_A_reac	1163.57	0.0	581.785	0.0
load	N_900059541	constant_power_B_reac	1163.57	0.0	581.785	0.0
load	N_900058405	constant_power_A	349.022	114.718	174.511	57.359
load	N_900058405	constant_power_B	349.022	114.718	174.511	57.359
load	N_900058405	constant_power_C	349.022	114.718	174.511	57.359
load	N_900058405	constant_power_A_real	349.022	0.0	174.511	0.0
load	N_900058405	constant_power_B_real	349.022	0.0	174.511	0.0
load	N_900058405	constant_power_C_real	349.022	0.0	174.511	0.0
load	N_900058405	constant_power_A_reac	114.718	0.0	57.359	0.0
load	N_900058405	constant_power_B_reac	114.718	0.0	57.359	0.0
load	N_900058405	constant_power_C_reac	114.718	0.0	57.359	0.0
load	N_900007172	constant_power_B	12107.8	3979.63	6053.9	1989.815
load	N_900007172	constant_power_C	12107.8	3979.63	6053.9	1989.815
load	N_900007172	constant_power_B_real	12107.8	0.0	6053.9	0.0
load	N_900007172	constant_power_C_real	12107.8	0.0	6053.9	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900007172	constant_power_B_reac	3979.63	0.0	1989.815	0.0
load	N_900007172	constant_power_C_reac	3979.63	0.0	1989.815	0.0
load	N_900081985	constant_power_A	9215.85	3029.1	4607.925	1514.55
load	N_900081985	constant_power_B	9215.85	3029.1	4607.925	1514.55
load	N_900081985	constant_power_A_real	9215.85	0.0	4607.925	0.0
load	N_900081985	constant_power_B_real	9215.85	0.0	4607.925	0.0
load	N_900081985	constant_power_A_reac	3029.1	0.0	1514.55	0.0
load	N_900081985	constant_power_B_reac	3029.1	0.0	1514.55	0.0
load	N_900057176	constant_power_A	337.942	209.438	168.971	104.719
load	N_900057176	constant_power_B	337.942	209.438	168.971	104.719
load	N_900057176	constant_power_C	337.942	209.438	168.971	104.719
load	N_900057176	constant_power_A_real	337.942	0.0	168.971	0.0
load	N_900057176	constant_power_B_real	337.942	0.0	168.971	0.0
load	N_900057176	constant_power_C_real	337.942	0.0	168.971	0.0
load	N_900057176	constant_power_A_reac	209.438	0.0	104.719	0.0
load	N_900057176	constant_power_B_reac	209.438	0.0	104.719	0.0
load	N_900057176	constant_power_C_reac	209.438	0.0	104.719	0.0
load	N_900056804	constant_power_A	5118.99	1682.53	2559.495	841.265
load	N_900056804	constant_power_A_real	5118.99	0.0	2559.495	0.0
load	N_900056804	constant_power_A_reac	1682.53	0.0	841.265	0.0
load	N_900056802	constant_power_A	7811.45	2567.5	3905.725	1283.75
load	N_900056802	constant_power_B	7811.45	2567.5	3905.725	1283.75
load	N_900056802	constant_power_C	7811.45	2567.5	3905.725	1283.75
load	N_900056802	constant_power_A_real	7811.45	0.0	3905.725	0.0
load	N_900056802	constant_power_B_real	7811.45	0.0	3905.725	0.0
load	N_900056802	constant_power_C_real	7811.45	0.0	3905.725	0.0
load	N_900056802	constant_power_A_reac	2567.5	0.0	1283.75	0.0
load	N_900056802	constant_power_B_reac	2567.5	0.0	1283.75	0.0
load	N_900056802	constant_power_C_reac	2567.5	0.0	1283.75	0.0
load	N_900056800	constant_power_A	7495.67	2463.71	3747.835	1231.855
load	N_900056800	constant_power_B	7495.67	2463.71	3747.835	1231.855
load	N_900056800	constant_power_C	7495.67	2463.71	3747.835	1231.855
load	N_900056800	constant_power_A_real	7495.67	0.0	3747.835	0.0
load	N_900056800	constant_power_B_real	7495.67	0.0	3747.835	0.0
load	N_900056800	constant_power_C_real	7495.67	0.0	3747.835	0.0
load	N_900056800	constant_power_A_reac	2463.71	0.0	1231.855	0.0
load	N_900056800	constant_power_B_reac	2463.71	0.0	1231.855	0.0
load	N_900056800	constant_power_C_reac	2463.71	0.0	1231.855	0.0
load	N_900056777	constant_power_A	16603.5	5457.3	8301.75	2728.65
load	N_900056777	constant_power_A_real	16603.5	0.0	8301.75	0.0
load	N_900056777	constant_power_A_reac	5457.3	0.0	2728.65	0.0
load	N_900059285	constant_power_B	664.805	412.009	332.4025	206.0045
load	N_900059285	constant_power_C	664.805	412.009	332.4025	206.0045
load	N_900059285	constant_power_B_real	664.805	0.0	332.4025	0.0
load	N_900059285	constant_power_C_real	664.805	0.0	332.4025	0.0
load	N_900059285	constant_power_B_reac	412.009	0.0	206.0045	0.0
load	N_900059285	constant_power_C_reac	412.009	0.0	206.0045	0.0
load	N_600037277	constant_power_C	17118.7	6182.96	8559.35	3091.48
load	N_600037277	constant_power_C_real	17118.7	0.0	8559.35	0.0
load	N_600037277	constant_power_C_reac	6182.96	0.0	3091.48	0.0
load	N_600037276	constant_power_C	5368.3	1764.47	2684.15	882.235
load	N_600037276	constant_power_C_real	5368.3	0.0	2684.15	0.0
load	N_600037276	constant_power_C_reac	1764.47	0.0	882.235	0.0
load	N_600037273	constant_power_C	2925.14	961.447	1462.57	480.7235
load	N_600037273	constant_power_C_real	2925.14	0.0	1462.57	0.0
load	N_600037273	constant_power_C_reac	961.447	0.0	480.7235	0.0
load	N_600037270	constant_power_C	4437.57	1458.56	2218.785	729.28
load	N_600037270	constant_power_C_real	4437.57	0.0	2218.785	0.0
load	N_600037270	constant_power_C_reac	1458.56	0.0	729.28	0.0
load	N_900059336	constant_power_A	2268.65	745.668	1134.325	372.834
load	N_900059336	constant_power_B	2268.65	745.668	1134.325	372.834
load	N_900059336	constant_power_A_real	2268.65	0.0	1134.325	0.0
load	N_900059336	constant_power_B_real	2268.65	0.0	1134.325	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059336	constant_power_A_reac	745.668	0.0	372.834	0.0
load	N_900059336	constant_power_B_reac	745.668	0.0	372.834	0.0
load	N_900052256	constant_power_C	32243.0	10597.8	16121.5	5298.9
load	N_900052256	constant_power_C_real	32243.0	0.0	16121.5	0.0
load	N_900052256	constant_power_C_reac	10597.8	0.0	5298.9	0.0
load	N_900059339	constant_power_A	1637.08	538.083	818.54	269.0415
load	N_900059339	constant_power_B	1637.08	538.083	818.54	269.0415
load	N_900059339	constant_power_A_real	1637.08	0.0	818.54	0.0
load	N_900059339	constant_power_B_real	1637.08	0.0	818.54	0.0
load	N_900059339	constant_power_A_reac	538.083	0.0	269.0415	0.0
load	N_900059339	constant_power_B_reac	538.083	0.0	269.0415	0.0
load	N_900087368	constant_power_A	17808.5	5853.36	8904.25	2926.68
load	N_900087368	constant_power_B	17808.5	5853.36	8904.25	2926.68
load	N_900087368	constant_power_A_real	17808.5	0.0	8904.25	0.0
load	N_900087368	constant_power_B_real	17808.5	0.0	8904.25	0.0
load	N_900087368	constant_power_A_reac	5853.36	0.0	2926.68	0.0
load	N_900087368	constant_power_B_reac	5853.36	0.0	2926.68	0.0
load	N_900059051	constant_power_B	922.416	303.183	461.208	151.5915
load	N_900059051	constant_power_C	922.416	303.183	461.208	151.5915
load	N_900059051	constant_power_B_real	922.416	0.0	461.208	0.0
load	N_900059051	constant_power_C_real	922.416	0.0	461.208	0.0
load	N_900059051	constant_power_B_reac	303.183	0.0	151.5915	0.0
load	N_900059051	constant_power_C_reac	303.183	0.0	151.5915	0.0
load	N_900052253	constant_power_C	29234.8	9609.01	14617.4	4804.505
load	N_900052253	constant_power_C_real	29234.8	0.0	14617.4	0.0
load	N_900052253	constant_power_C_reac	9609.01	0.0	4804.505	0.0
load	N_900059117	constant_power_C	5052.52	1689.71	2526.26	844.855
load	N_900059117	constant_power_C_real	5052.52	0.0	2526.26	0.0
load	N_900059117	constant_power_C_reac	1689.71	0.0	844.855	0.0
load	N_900056630	constant_power_C	1761.73	579.053	880.865	289.5265
load	N_900056630	constant_power_C_real	1761.73	0.0	880.865	0.0
load	N_900056630	constant_power_C_reac	579.053	0.0	289.5265	0.0
load	N_900021177	constant_power_A	8384.85	2755.97	4192.425	1377.985
load	N_900021177	constant_power_B	8384.85	2755.97	4192.425	1377.985
load	N_900021177	constant_power_A_real	8384.85	0.0	4192.425	0.0
load	N_900021177	constant_power_B_real	8384.85	0.0	4192.425	0.0
load	N_900021177	constant_power_A_reac	2755.97	0.0	1377.985	0.0
load	N_900021177	constant_power_B_reac	2755.97	0.0	1377.985	0.0
load	N_900060865	constant_power_A	1927.93	633.681	963.965	316.8405
load	N_900060865	constant_power_B	1927.93	633.681	963.965	316.8405
load	N_900060865	constant_power_A_real	1927.93	0.0	963.965	0.0
load	N_900060865	constant_power_B_real	1927.93	0.0	963.965	0.0
load	N_900060865	constant_power_A_reac	633.681	0.0	316.8405	0.0
load	N_900060865	constant_power_B_reac	633.681	0.0	316.8405	0.0
load	N_900106554	constant_power_B	2709.08	890.431	1354.54	445.2155
load	N_900106554	constant_power_C	2709.08	890.431	1354.54	445.2155
load	N_900106554	constant_power_B_real	2709.08	0.0	1354.54	0.0
load	N_900106554	constant_power_C_real	2709.08	0.0	1354.54	0.0
load	N_900106554	constant_power_B_reac	890.431	0.0	445.2155	0.0
load	N_900106554	constant_power_C_reac	890.431	0.0	445.2155	0.0
load	N_900056878	constant_power_A	20000.0	12394.9	10000.0	6197.45
load	N_900056878	constant_power_B	20000.0	12394.9	10000.0	6197.45
load	N_900056878	constant_power_C	20000.0	12394.9	10000.0	6197.45
load	N_900056878	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	N_900056878	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	N_900056878	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	N_900056878	constant_power_A_reac	12394.9	0.0	6197.45	0.0
load	N_900056878	constant_power_B_reac	12394.9	0.0	6197.45	0.0
load	N_900056878	constant_power_C_reac	12394.9	0.0	6197.45	0.0
load	N_900061024	constant_power_A	23284.8	7653.34	11642.4	3826.67
load	N_900061024	constant_power_B	23284.8	7653.34	11642.4	3826.67
load	N_900061024	constant_power_A_real	23284.8	0.0	11642.4	0.0
load	N_900061024	constant_power_B_real	23284.8	0.0	11642.4	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900061024	constant_power_A_reac	7653.34	0.0	3826.67	0.0
load	N_900061024	constant_power_B_reac	7653.34	0.0	3826.67	0.0
load	N_900023315	constant_power_A	60.9403	37.7674	30.47015	18.8837
load	N_900023315	constant_power_B	60.9403	37.7674	30.47015	18.8837
load	N_900023315	constant_power_C	60.9403	37.7674	30.47015	18.8837
load	N_900023315	constant_power_A_real	60.9403	0.0	30.47015	0.0
load	N_900023315	constant_power_B_real	60.9403	0.0	30.47015	0.0
load	N_900023315	constant_power_C_real	60.9403	0.0	30.47015	0.0
load	N_900023315	constant_power_A_reac	37.7674	0.0	18.8837	0.0
load	N_900023315	constant_power_B_reac	37.7674	0.0	18.8837	0.0
load	N_900023315	constant_power_C_reac	37.7674	0.0	18.8837	0.0
load	N_900056576	constant_power_A	2567.81	843.998	1283.905	421.999
load	N_900056576	constant_power_B	2567.81	843.998	1283.905	421.999
load	N_900056576	constant_power_A_real	2567.81	0.0	1283.905	0.0
load	N_900056576	constant_power_B_real	2567.81	0.0	1283.905	0.0
load	N_900056576	constant_power_A_reac	843.998	0.0	421.999	0.0
load	N_900056576	constant_power_B_reac	843.998	0.0	421.999	0.0
load	N_900059208	constant_power_B	2102.44	691.04	1051.22	345.52
load	N_900059208	constant_power_C	2102.44	691.04	1051.22	345.52
load	N_900059208	constant_power_B_real	2102.44	0.0	1051.22	0.0
load	N_900059208	constant_power_C_real	2102.44	0.0	1051.22	0.0
load	N_900059208	constant_power_B_reac	691.04	0.0	345.52	0.0
load	N_900059208	constant_power_C_reac	691.04	0.0	345.52	0.0
load	N_900056575	constant_power_A	897.486	294.989	448.743	147.4945
load	N_900056575	constant_power_B	897.486	294.989	448.743	147.4945
load	N_900056575	constant_power_A_real	897.486	0.0	448.743	0.0
load	N_900056575	constant_power_B_real	897.486	0.0	448.743	0.0
load	N_900056575	constant_power_A_reac	294.989	0.0	147.4945	0.0
load	N_900056575	constant_power_B_reac	294.989	0.0	147.4945	0.0
load	N_900059200	constant_power_B	3290.78	1081.63	1645.39	540.815
load	N_900059200	constant_power_C	3290.78	1081.63	1645.39	540.815
load	N_900059200	constant_power_B_real	3290.78	0.0	1645.39	0.0
load	N_900059200	constant_power_C_real	3290.78	0.0	1645.39	0.0
load	N_900059200	constant_power_B_reac	1081.63	0.0	540.815	0.0
load	N_900059200	constant_power_C_reac	1081.63	0.0	540.815	0.0
load	N_900059203	constant_power_B	307.473	125.249	153.7365	62.6245
load	N_900059203	constant_power_C	307.473	125.249	153.7365	62.6245
load	N_900059203	constant_power_B_real	307.473	0.0	153.7365	0.0
load	N_900059203	constant_power_C_real	307.473	0.0	153.7365	0.0
load	N_900059203	constant_power_B_reac	125.249	0.0	62.6245	0.0
load	N_900059203	constant_power_C_reac	125.249	0.0	62.6245	0.0
load	N_900059619	constant_power_A	8952.7	2950.67	4476.35	1475.335
load	N_900059619	constant_power_B	8952.7	2950.67	4476.35	1475.335
load	N_900059619	constant_power_C	8952.7	2950.67	4476.35	1475.335
load	N_900059619	constant_power_A_real	8952.7	0.0	4476.35	0.0
load	N_900059619	constant_power_B_real	8952.7	0.0	4476.35	0.0
load	N_900059619	constant_power_C_real	8952.7	0.0	4476.35	0.0
load	N_900059619	constant_power_A_reac	2950.67	0.0	1475.335	0.0
load	N_900059619	constant_power_B_reac	2950.67	0.0	1475.335	0.0
load	N_900059619	constant_power_C_reac	2950.67	0.0	1475.335	0.0
load	N_900059205	constant_power_B	3922.35	1289.21	1961.175	644.605
load	N_900059205	constant_power_C	3922.35	1289.21	1961.175	644.605
load	N_900059205	constant_power_B_real	3922.35	0.0	1961.175	0.0
load	N_900059205	constant_power_C_real	3922.35	0.0	1961.175	0.0
load	N_900059205	constant_power_B_reac	1289.21	0.0	644.605	0.0
load	N_900059205	constant_power_C_reac	1289.21	0.0	644.605	0.0
load	N_900046073	constant_power_C	4504.05	1480.41	2252.025	740.205
load	N_900046073	constant_power_C_real	4504.05	0.0	2252.025	0.0
load	N_900046073	constant_power_C_reac	1480.41	0.0	740.205	0.0
load	N_900018374	constant_power_B	3332.33	1095.28	1666.165	547.64
load	N_900018374	constant_power_C	3332.33	1095.28	1666.165	547.64
load	N_900018374	constant_power_B_real	3332.33	0.0	1666.165	0.0
load	N_900018374	constant_power_C_real	3332.33	0.0	1666.165	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900018374	constant_power_B_reac	1095.28	0.0	547.64	0.0
load	N_900018374	constant_power_C_reac	1095.28	0.0	547.64	0.0
load	N_900056609	constant_power_A	2975.0	977.835	1487.5	488.9175
load	N_900056609	constant_power_B	2975.0	977.835	1487.5	488.9175
load	N_900056609	constant_power_C	2975.0	977.835	1487.5	488.9175
load	N_900056609	constant_power_A_real	2975.0	0.0	1487.5	0.0
load	N_900056609	constant_power_B_real	2975.0	0.0	1487.5	0.0
load	N_900056609	constant_power_C_real	2975.0	0.0	1487.5	0.0
load	N_900056609	constant_power_A_reac	977.835	0.0	488.9175	0.0
load	N_900056609	constant_power_B_reac	977.835	0.0	488.9175	0.0
load	N_900056609	constant_power_C_reac	977.835	0.0	488.9175	0.0
load	N_900056602	constant_power_A	3224.3	1059.78	1612.15	529.89
load	N_900056602	constant_power_B	3224.3	1059.78	1612.15	529.89
load	N_900056602	constant_power_C	3224.3	1059.78	1612.15	529.89
load	N_900056602	constant_power_A_real	3224.3	0.0	1612.15	0.0
load	N_900056602	constant_power_B_real	3224.3	0.0	1612.15	0.0
load	N_900056602	constant_power_C_real	3224.3	0.0	1612.15	0.0
load	N_900056602	constant_power_A_reac	1059.78	0.0	529.89	0.0
load	N_900056602	constant_power_B_reac	1059.78	0.0	529.89	0.0
load	N_900056602	constant_power_C_reac	1059.78	0.0	529.89	0.0
load	N_900056603	constant_power_A	4997.11	1642.47	2498.555	821.235
load	N_900056603	constant_power_B	4997.11	1642.47	2498.555	821.235
load	N_900056603	constant_power_C	4997.11	1642.47	2498.555	821.235
load	N_900056603	constant_power_A_real	4997.11	0.0	2498.555	0.0
load	N_900056603	constant_power_B_real	4997.11	0.0	2498.555	0.0
load	N_900056603	constant_power_C_real	4997.11	0.0	2498.555	0.0
load	N_900056603	constant_power_A_reac	1642.47	0.0	821.235	0.0
load	N_900056603	constant_power_B_reac	1642.47	0.0	821.235	0.0
load	N_900056603	constant_power_C_reac	1642.47	0.0	821.235	0.0
load	N_900056607	constant_power_A	349.022	114.718	174.511	57.359
load	N_900056607	constant_power_B	349.022	114.718	174.511	57.359
load	N_900056607	constant_power_C	349.022	114.718	174.511	57.359
load	N_900056607	constant_power_A_real	349.022	0.0	174.511	0.0
load	N_900056607	constant_power_B_real	349.022	0.0	174.511	0.0
load	N_900056607	constant_power_C_real	349.022	0.0	174.511	0.0
load	N_900056607	constant_power_A_reac	114.718	0.0	57.359	0.0
load	N_900056607	constant_power_B_reac	114.718	0.0	57.359	0.0
load	N_900056607	constant_power_C_reac	114.718	0.0	57.359	0.0
load	N_900056598	constant_power_A	2232.64	733.832	1116.32	366.916
load	N_900056598	constant_power_B	2232.64	733.832	1116.32	366.916
load	N_900056598	constant_power_C	2232.64	733.832	1116.32	366.916
load	N_900056598	constant_power_A_real	2232.64	0.0	1116.32	0.0
load	N_900056598	constant_power_B_real	2232.64	0.0	1116.32	0.0
load	N_900056598	constant_power_C_real	2232.64	0.0	1116.32	0.0
load	N_900056598	constant_power_A_reac	733.832	0.0	366.916	0.0
load	N_900056598	constant_power_B_reac	733.832	0.0	366.916	0.0
load	N_900056598	constant_power_C_reac	733.832	0.0	366.916	0.0
load	N_900056599	constant_power_A	3335.1	1096.2	1667.55	548.1
load	N_900056599	constant_power_B	3335.1	1096.2	1667.55	548.1
load	N_900056599	constant_power_C	3335.1	1096.2	1667.55	548.1
load	N_900056599	constant_power_A_real	3335.1	0.0	1667.55	0.0
load	N_900056599	constant_power_B_real	3335.1	0.0	1667.55	0.0
load	N_900056599	constant_power_C_real	3335.1	0.0	1667.55	0.0
load	N_900056599	constant_power_A_reac	1096.2	0.0	548.1	0.0
load	N_900056599	constant_power_B_reac	1096.2	0.0	548.1	0.0
load	N_900056599	constant_power_C_reac	1096.2	0.0	548.1	0.0
load	N_900018499	constant_power_A	4171.65	1371.15	2085.825	685.575
load	N_900018499	constant_power_A_real	4171.65	0.0	2085.825	0.0
load	N_900018499	constant_power_A_reac	1371.15	0.0	685.575	0.0
load	N_900059613	constant_power_A	6875.19	2259.76	3437.595	1129.88
load	N_900059613	constant_power_B	6875.19	2259.76	3437.595	1129.88
load	N_900059613	constant_power_C	6875.19	2259.76	3437.595	1129.88
load	N_900059613	constant_power_A_real	6875.19	0.0	3437.595	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059613	constant_power_B_real	6875.19	0.0	3437.595	0.0
load	N_900059613	constant_power_C_real	6875.19	0.0	3437.595	0.0
load	N_900059613	constant_power_A_reac	2259.76	0.0	1129.88	0.0
load	N_900059613	constant_power_B_reac	2259.76	0.0	1129.88	0.0
load	N_900059613	constant_power_C_reac	2259.76	0.0	1129.88	0.0
load	N_900076487	constant_power_A	21149.1	6951.37	10574.55	3475.685
load	N_900076487	constant_power_C	21149.1	6951.37	10574.55	3475.685
load	N_900076487	constant_power_A_real	21149.1	0.0	10574.55	0.0
load	N_900076487	constant_power_C_real	21149.1	0.0	10574.55	0.0
load	N_900076487	constant_power_A_reac	6951.37	0.0	3475.685	0.0
load	N_900076487	constant_power_C_reac	6951.37	0.0	3475.685	0.0
load	N_900076489	constant_power_A	19462.2	6396.9	9731.1	3198.45
load	N_900076489	constant_power_C	19462.2	6396.9	9731.1	3198.45
load	N_900076489	constant_power_A_real	19462.2	0.0	9731.1	0.0
load	N_900076489	constant_power_C_real	19462.2	0.0	9731.1	0.0
load	N_900076489	constant_power_A_reac	6396.9	0.0	3198.45	0.0
load	N_900076489	constant_power_C_reac	6396.9	0.0	3198.45	0.0
load	N_900056595	constant_power_A	3650.89	1199.99	1825.445	599.995
load	N_900056595	constant_power_B	3650.89	1199.99	1825.445	599.995
load	N_900056595	constant_power_C	3650.89	1199.99	1825.445	599.995
load	N_900056595	constant_power_A_real	3650.89	0.0	1825.445	0.0
load	N_900056595	constant_power_B_real	3650.89	0.0	1825.445	0.0
load	N_900056595	constant_power_C_real	3650.89	0.0	1825.445	0.0
load	N_900056595	constant_power_A_reac	1199.99	0.0	599.995	0.0
load	N_900056595	constant_power_B_reac	1199.99	0.0	599.995	0.0
load	N_900056595	constant_power_C_reac	1199.99	0.0	599.995	0.0
load	N_900056596	constant_power_A	6099.58	2004.84	3049.79	1002.42
load	N_900056596	constant_power_B	6099.58	2004.84	3049.79	1002.42
load	N_900056596	constant_power_C	6099.58	2004.84	3049.79	1002.42
load	N_900056596	constant_power_A_real	6099.58	0.0	3049.79	0.0
load	N_900056596	constant_power_B_real	6099.58	0.0	3049.79	0.0
load	N_900056596	constant_power_C_real	6099.58	0.0	3049.79	0.0
load	N_900056596	constant_power_A_reac	2004.84	0.0	1002.42	0.0
load	N_900056596	constant_power_B_reac	2004.84	0.0	1002.42	0.0
load	N_900056596	constant_power_C_reac	2004.84	0.0	1002.42	0.0
load	N_900018494	constant_power_A	51206.6	16830.8	25603.3	8415.4
load	N_900018494	constant_power_A_real	51206.6	0.0	25603.3	0.0
load	N_900018494	constant_power_A_reac	16830.8	0.0	8415.4	0.0
load	N_900047073	constant_power_B	8093.99	2660.37	4046.995	1330.185
load	N_900047073	constant_power_C	8093.99	2660.37	4046.995	1330.185
load	N_900047073	constant_power_B_real	8093.99	0.0	4046.995	0.0
load	N_900047073	constant_power_C_real	8093.99	0.0	4046.995	0.0
load	N_900047073	constant_power_B_reac	2660.37	0.0	1330.185	0.0
load	N_900047073	constant_power_C_reac	2660.37	0.0	1330.185	0.0
load	N_900080761	constant_power_A	12620.2	4148.06	6310.1	2074.03
load	N_900080761	constant_power_B	12620.2	4148.06	6310.1	2074.03
load	N_900080761	constant_power_C	12620.2	4148.06	6310.1	2074.03
load	N_900080761	constant_power_A_real	12620.2	0.0	6310.1	0.0
load	N_900080761	constant_power_B_real	12620.2	0.0	6310.1	0.0
load	N_900080761	constant_power_C_real	12620.2	0.0	6310.1	0.0
load	N_900080761	constant_power_A_reac	4148.06	0.0	2074.03	0.0
load	N_900080761	constant_power_B_reac	4148.06	0.0	2074.03	0.0
load	N_900080761	constant_power_C_reac	4148.06	0.0	2074.03	0.0
load	N_900058991	constant_power_B	1977.79	650.069	988.895	325.0345
load	N_900058991	constant_power_C	1977.79	650.069	988.895	325.0345
load	N_900058991	constant_power_B_real	1977.79	0.0	988.895	0.0
load	N_900058991	constant_power_C_real	1977.79	0.0	988.895	0.0
load	N_900058991	constant_power_B_reac	650.069	0.0	325.0345	0.0
load	N_900058991	constant_power_C_reac	650.069	0.0	325.0345	0.0
load	N_900012907	constant_power_A	2149.53	706.518	1074.765	353.259
load	N_900012907	constant_power_B	2149.53	706.518	1074.765	353.259
load	N_900012907	constant_power_C	2149.53	706.518	1074.765	353.259
load	N_900012907	constant_power_A_real	2149.53	0.0	1074.765	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900012907	constant_power_B_real	2149.53	0.0	1074.765	0.0
load	N_900012907	constant_power_C_real	2149.53	0.0	1074.765	0.0
load	N_900012907	constant_power_A_reac	706.518	0.0	353.259	0.0
load	N_900012907	constant_power_B_reac	706.518	0.0	353.259	0.0
load	N_900012907	constant_power_C_reac	706.518	0.0	353.259	0.0
load	N_900054239	constant_power_B	2368.37	778.444	1184.185	389.222
load	N_900054239	constant_power_C	2368.37	778.444	1184.185	389.222
load	N_900054239	constant_power_B_real	2368.37	0.0	1184.185	0.0
load	N_900054239	constant_power_C_real	2368.37	0.0	1184.185	0.0
load	N_900054239	constant_power_B_reac	778.444	0.0	389.222	0.0
load	N_900054239	constant_power_C_reac	778.444	0.0	389.222	0.0
load	N_900054238	constant_power_B	2443.16	803.027	1221.58	401.5135
load	N_900054238	constant_power_C	2443.16	803.027	1221.58	401.5135
load	N_900054238	constant_power_B_real	2443.16	0.0	1221.58	0.0
load	N_900054238	constant_power_C_real	2443.16	0.0	1221.58	0.0
load	N_900054238	constant_power_B_reac	803.027	0.0	401.5135	0.0
load	N_900054238	constant_power_C_reac	803.027	0.0	401.5135	0.0
load	N_900018682	constant_power_B	2684.15	882.237	1342.075	441.1185
load	N_900018682	constant_power_C	2684.15	882.237	1342.075	441.1185
load	N_900018682	constant_power_B_real	2684.15	0.0	1342.075	0.0
load	N_900018682	constant_power_C_real	2684.15	0.0	1342.075	0.0
load	N_900018682	constant_power_B_reac	882.237	0.0	441.1185	0.0
load	N_900018682	constant_power_C_reac	882.237	0.0	441.1185	0.0
load	N_900052090	constant_power_B	2185.55	718.354	1092.775	359.177
load	N_900052090	constant_power_C	2185.55	718.354	1092.775	359.177
load	N_900052090	constant_power_B_real	2185.55	0.0	1092.775	0.0
load	N_900052090	constant_power_C_real	2185.55	0.0	1092.775	0.0
load	N_900052090	constant_power_B_reac	718.354	0.0	359.177	0.0
load	N_900052090	constant_power_C_reac	718.354	0.0	359.177	0.0
load	N_900059507	constant_power_A	3695.21	1214.56	1847.605	607.28
load	N_900059507	constant_power_B	3695.21	1214.56	1847.605	607.28
load	N_900059507	constant_power_C	3695.21	1214.56	1847.605	607.28
load	N_900059507	constant_power_A_real	3695.21	0.0	1847.605	0.0
load	N_900059507	constant_power_B_real	3695.21	0.0	1847.605	0.0
load	N_900059507	constant_power_C_real	3695.21	0.0	1847.605	0.0
load	N_900059507	constant_power_A_reac	1214.56	0.0	607.28	0.0
load	N_900059507	constant_power_B_reac	1214.56	0.0	607.28	0.0
load	N_900059507	constant_power_C_reac	1214.56	0.0	607.28	0.0
load	N_900060641	constant_power_C	365.643	120.181	182.8215	60.0905
load	N_900060641	constant_power_C_real	365.643	0.0	182.8215	0.0
load	N_900060641	constant_power_C_reac	120.181	0.0	60.0905	0.0
load	N_900087369	constant_power_A	18780.7	6172.93	9390.35	3086.465
load	N_900087369	constant_power_B	18780.7	6172.93	9390.35	3086.465
load	N_900087369	constant_power_A_real	18780.7	0.0	9390.35	0.0
load	N_900087369	constant_power_B_real	18780.7	0.0	9390.35	0.0
load	N_900087369	constant_power_A_reac	6172.93	0.0	3086.465	0.0
load	N_900087369	constant_power_B_reac	6172.93	0.0	3086.465	0.0
load	N_900076437	constant_power_A	1889.15	620.935	944.575	310.4675
load	N_900076437	constant_power_B	1889.15	620.935	944.575	310.4675
load	N_900076437	constant_power_C	1889.15	620.935	944.575	310.4675
load	N_900076437	constant_power_A_real	1889.15	0.0	944.575	0.0
load	N_900076437	constant_power_B_real	1889.15	0.0	944.575	0.0
load	N_900076437	constant_power_C_real	1889.15	0.0	944.575	0.0
load	N_900076437	constant_power_A_reac	620.935	0.0	310.4675	0.0
load	N_900076437	constant_power_B_reac	620.935	0.0	310.4675	0.0
load	N_900076437	constant_power_C_reac	620.935	0.0	310.4675	0.0
load	N_900055523	constant_power_C	5966.62	1961.13	2983.31	980.565
load	N_900055523	constant_power_C_real	5966.62	0.0	2983.31	0.0
load	N_900055523	constant_power_C_reac	1961.13	0.0	980.565	0.0
load	N_900111790	constant_power_B	1271.44	417.902	635.72	208.951
load	N_900111790	constant_power_C	1271.44	417.902	635.72	208.951
load	N_900111790	constant_power_B_real	1271.44	0.0	635.72	0.0
load	N_900111790	constant_power_C_real	1271.44	0.0	635.72	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900111790	constant_power_B_reac	417.902	0.0	208.951	0.0
load	N_900111790	constant_power_C_reac	417.902	0.0	208.951	0.0
load	N_900076433	constant_power_A	1074.77	666.081	537.385	333.0405
load	N_900076433	constant_power_B	1074.77	666.081	537.385	333.0405
load	N_900076433	constant_power_C	1074.77	666.081	537.385	333.0405
load	N_900076433	constant_power_A_real	1074.77	0.0	537.385	0.0
load	N_900076433	constant_power_B_real	1074.77	0.0	537.385	0.0
load	N_900076433	constant_power_C_real	1074.77	0.0	537.385	0.0
load	N_900076433	constant_power_A_reac	666.081	0.0	333.0405	0.0
load	N_900076433	constant_power_B_reac	666.081	0.0	333.0405	0.0
load	N_900076433	constant_power_C_reac	666.081	0.0	333.0405	0.0
load	N_900055527	constant_power_C	2376.68	781.176	1188.34	390.588
load	N_900055527	constant_power_C_real	2376.68	0.0	1188.34	0.0
load	N_900055527	constant_power_C_reac	781.176	0.0	390.588	0.0
load	N_900060764	constant_power_A	10553.8	3468.86	5276.9	1734.43
load	N_900060764	constant_power_B	10553.8	3468.86	5276.9	1734.43
load	N_900060764	constant_power_A_real	10553.8	0.0	5276.9	0.0
load	N_900060764	constant_power_B_real	10553.8	0.0	5276.9	0.0
load	N_900060764	constant_power_A_reac	3468.86	0.0	1734.43	0.0
load	N_900060764	constant_power_B_reac	3468.86	0.0	1734.43	0.0
load	N_900059484	constant_power_A	2833.73	931.402	1416.865	465.701
load	N_900059484	constant_power_B	2833.73	931.402	1416.865	465.701
load	N_900059484	constant_power_A_real	2833.73	0.0	1416.865	0.0
load	N_900059484	constant_power_B_real	2833.73	0.0	1416.865	0.0
load	N_900059484	constant_power_A_reac	931.402	0.0	465.701	0.0
load	N_900059484	constant_power_B_reac	931.402	0.0	465.701	0.0
load	N_900054587	constant_power_A	3132.89	1029.73	1566.445	514.865
load	N_900054587	constant_power_B	3132.89	1029.73	1566.445	514.865
load	N_900054587	constant_power_A_real	3132.89	0.0	1566.445	0.0
load	N_900054587	constant_power_B_real	3132.89	0.0	1566.445	0.0
load	N_900054587	constant_power_A_reac	1029.73	0.0	514.865	0.0
load	N_900054587	constant_power_B_reac	1029.73	0.0	514.865	0.0
load	N_900054589	constant_power_A	15938.7	5238.79	7969.35	2619.395
load	N_900054589	constant_power_B	15938.7	5238.79	7969.35	2619.395
load	N_900054589	constant_power_A_real	15938.7	0.0	7969.35	0.0
load	N_900054589	constant_power_B_real	15938.7	0.0	7969.35	0.0
load	N_900054589	constant_power_A_reac	5238.79	0.0	2619.395	0.0
load	N_900054589	constant_power_B_reac	5238.79	0.0	2619.395	0.0
load	N_900054588	constant_power_A	4287.99	1409.39	2143.995	704.695
load	N_900054588	constant_power_B	4287.99	1409.39	2143.995	704.695
load	N_900054588	constant_power_A_real	4287.99	0.0	2143.995	0.0
load	N_900054588	constant_power_B_real	4287.99	0.0	2143.995	0.0
load	N_900054588	constant_power_A_reac	1409.39	0.0	704.695	0.0
load	N_900054588	constant_power_B_reac	1409.39	0.0	704.695	0.0
load	N_900059489	constant_power_A	4803.21	1578.74	2401.605	789.37
load	N_900059489	constant_power_B	4803.21	1578.74	2401.605	789.37
load	N_900059489	constant_power_A_real	4803.21	0.0	2401.605	0.0
load	N_900059489	constant_power_B_real	4803.21	0.0	2401.605	0.0
load	N_900059489	constant_power_A_reac	1578.74	0.0	789.37	0.0
load	N_900059489	constant_power_B_reac	1578.74	0.0	789.37	0.0
load	N_900008961	constant_power_A	2509.64	824.878	1254.82	412.439
load	N_900008961	constant_power_B	2509.64	824.878	1254.82	412.439
load	N_900008961	constant_power_A_real	2509.64	0.0	1254.82	0.0
load	N_900008961	constant_power_B_real	2509.64	0.0	1254.82	0.0
load	N_900008961	constant_power_A_reac	824.878	0.0	412.439	0.0
load	N_900008961	constant_power_B_reac	824.878	0.0	412.439	0.0
load	N_900026930	constant_power_B	2559.5	841.266	1279.75	420.633
load	N_900026930	constant_power_C	2559.5	841.266	1279.75	420.633
load	N_900026930	constant_power_B_real	2559.5	0.0	1279.75	0.0
load	N_900026930	constant_power_C_real	2559.5	0.0	1279.75	0.0
load	N_900026930	constant_power_B_reac	841.266	0.0	420.633	0.0
load	N_900026930	constant_power_C_reac	841.266	0.0	420.633	0.0
load	N_900019520	constant_power_A	4404.33	1447.63	2202.165	723.815

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900019520	constant_power_B	4404.33	1447.63	2202.165	723.815
load	N_900019520	constant_power_A_real	4404.33	0.0	2202.165	0.0
load	N_900019520	constant_power_B_real	4404.33	0.0	2202.165	0.0
load	N_900019520	constant_power_A_reac	1447.63	0.0	723.815	0.0
load	N_900019520	constant_power_B_reac	1447.63	0.0	723.815	0.0
load	N_900002533	constant_power_A	4678.56	1537.77	2339.28	768.885
load	N_900002533	constant_power_B	4678.56	1537.77	2339.28	768.885
load	N_900002533	constant_power_A_real	4678.56	0.0	2339.28	0.0
load	N_900002533	constant_power_B_real	4678.56	0.0	2339.28	0.0
load	N_900002533	constant_power_A_reac	1537.77	0.0	768.885	0.0
load	N_900002533	constant_power_B_reac	1537.77	0.0	768.885	0.0
load	N_900002532	constant_power_A	1570.6	516.232	785.3	258.116
load	N_900002532	constant_power_B	1570.6	516.232	785.3	258.116
load	N_900002532	constant_power_A_real	1570.6	0.0	785.3	0.0
load	N_900002532	constant_power_B_real	1570.6	0.0	785.3	0.0
load	N_900002532	constant_power_A_reac	516.232	0.0	258.116	0.0
load	N_900002532	constant_power_B_reac	516.232	0.0	258.116	0.0
load	N_900063514	constant_power_B	2252.03	740.205	1126.015	370.1025
load	N_900063514	constant_power_C	2252.03	740.205	1126.015	370.1025
load	N_900063514	constant_power_B_real	2252.03	0.0	1126.015	0.0
load	N_900063514	constant_power_C_real	2252.03	0.0	1126.015	0.0
load	N_900063514	constant_power_B_reac	740.205	0.0	370.1025	0.0
load	N_900063514	constant_power_C_reac	740.205	0.0	370.1025	0.0
load	N_900059370	constant_power_B	24.93	15.4502	12.465	7.7251
load	N_900059370	constant_power_C	24.93	15.4502	12.465	7.7251
load	N_900059370	constant_power_B_real	24.93	0.0	12.465	0.0
load	N_900059370	constant_power_C_real	24.93	0.0	12.465	0.0
load	N_900059370	constant_power_B_reac	15.4502	0.0	7.7251	0.0
load	N_900059370	constant_power_C_reac	15.4502	0.0	7.7251	0.0
load	N_900063516	constant_power_B	1695.25	557.202	847.625	278.601
load	N_900063516	constant_power_C	1695.25	557.202	847.625	278.601
load	N_900063516	constant_power_B_real	1695.25	0.0	847.625	0.0
load	N_900063516	constant_power_C_real	1695.25	0.0	847.625	0.0
load	N_900063516	constant_power_B_reac	557.202	0.0	278.601	0.0
load	N_900063516	constant_power_C_reac	557.202	0.0	278.601	0.0
load	N_900059372	constant_power_B	3531.77	1160.84	1765.885	580.42
load	N_900059372	constant_power_C	3531.77	1160.84	1765.885	580.42
load	N_900059372	constant_power_B_real	3531.77	0.0	1765.885	0.0
load	N_900059372	constant_power_C_real	3531.77	0.0	1765.885	0.0
load	N_900059372	constant_power_B_reac	1160.84	0.0	580.42	0.0
load	N_900059372	constant_power_C_reac	1160.84	0.0	580.42	0.0
load	N_600064588	constant_power_C	3722.91	1223.66	1861.455	611.83
load	N_600064588	constant_power_C_real	3722.91	0.0	1861.455	0.0
load	N_600064588	constant_power_C_reac	1223.66	0.0	611.83	0.0
load	N_600064584	constant_power_C	5717.32	1879.19	2858.66	939.595
load	N_600064584	constant_power_C_real	5717.32	0.0	2858.66	0.0
load	N_600064584	constant_power_C_reac	1879.19	0.0	939.595	0.0
load	N_900050297	constant_power_B	4055.31	1332.92	2027.655	666.46
load	N_900050297	constant_power_C	4055.31	1332.92	2027.655	666.46
load	N_900050297	constant_power_B_real	4055.31	0.0	2027.655	0.0
load	N_900050297	constant_power_C_real	4055.31	0.0	2027.655	0.0
load	N_900050297	constant_power_B_reac	1332.92	0.0	666.46	0.0
load	N_900050297	constant_power_C_reac	1332.92	0.0	666.46	0.0
load	N_900035789	constant_power_B	1961.17	659.119	980.585	329.5595
load	N_900035789	constant_power_C	1961.17	659.119	980.585	329.5595
load	N_900035789	constant_power_B_real	1961.17	0.0	980.585	0.0
load	N_900035789	constant_power_C_real	1961.17	0.0	980.585	0.0
load	N_900035789	constant_power_B_reac	659.119	0.0	329.5595	0.0
load	N_900035789	constant_power_C_reac	659.119	0.0	329.5595	0.0
load	N_900056682	constant_power_A	4648.09	1527.75	2324.045	763.875
load	N_900056682	constant_power_B	4648.09	1527.75	2324.045	763.875
load	N_900056682	constant_power_C	4648.09	1527.75	2324.045	763.875
load	N_900056682	constant_power_A_real	4648.09	0.0	2324.045	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900056682	constant_power_B_real	4648.09	0.0	2324.045	0.0
load	N_900056682	constant_power_C_real	4648.09	0.0	2324.045	0.0
load	N_900056682	constant_power_A_reac	1527.75	0.0	763.875	0.0
load	N_900056682	constant_power_B_reac	1527.75	0.0	763.875	0.0
load	N_900056682	constant_power_C_reac	1527.75	0.0	763.875	0.0
load	N_900059572	constant_power_A	2786.64	972.361	1393.32	486.1805
load	N_900059572	constant_power_B	2786.64	972.361	1393.32	486.1805
load	N_900059572	constant_power_C	2786.64	972.361	1393.32	486.1805
load	N_900059572	constant_power_A_real	2786.64	0.0	1393.32	0.0
load	N_900059572	constant_power_B_real	2786.64	0.0	1393.32	0.0
load	N_900059572	constant_power_C_real	2786.64	0.0	1393.32	0.0
load	N_900059572	constant_power_A_reac	972.361	0.0	486.1805	0.0
load	N_900059572	constant_power_B_reac	972.361	0.0	486.1805	0.0
load	N_900059572	constant_power_C_reac	972.361	0.0	486.1805	0.0
load	N_900059571	constant_power_A	11456.8	3765.67	5728.4	1882.835
load	N_900059571	constant_power_B	11456.8	3765.67	5728.4	1882.835
load	N_900059571	constant_power_C	11456.8	3765.67	5728.4	1882.835
load	N_900059571	constant_power_A_real	11456.8	0.0	5728.4	0.0
load	N_900059571	constant_power_B_real	11456.8	0.0	5728.4	0.0
load	N_900059571	constant_power_C_real	11456.8	0.0	5728.4	0.0
load	N_900059571	constant_power_A_reac	3765.67	0.0	1882.835	0.0
load	N_900059571	constant_power_B_reac	3765.67	0.0	1882.835	0.0
load	N_900059571	constant_power_C_reac	3765.67	0.0	1882.835	0.0
load	N_900059577	constant_power_A	3866.95	1271.0	1933.475	635.5
load	N_900059577	constant_power_B	3866.95	1271.0	1933.475	635.5
load	N_900059577	constant_power_C	3866.95	1271.0	1933.475	635.5
load	N_900059577	constant_power_A_real	3866.95	0.0	1933.475	0.0
load	N_900059577	constant_power_B_real	3866.95	0.0	1933.475	0.0
load	N_900059577	constant_power_C_real	3866.95	0.0	1933.475	0.0
load	N_900059577	constant_power_A_reac	1271.0	0.0	635.5	0.0
load	N_900059577	constant_power_B_reac	1271.0	0.0	635.5	0.0
load	N_900059577	constant_power_C_reac	1271.0	0.0	635.5	0.0
load	N_900081978	constant_power_A	10575.9	3476.14	5287.95	1738.07
load	N_900081978	constant_power_B	10575.9	3476.14	5287.95	1738.07
load	N_900081978	constant_power_C	10575.9	3476.14	5287.95	1738.07
load	N_900081978	constant_power_A_real	10575.9	0.0	5287.95	0.0
load	N_900081978	constant_power_B_real	10575.9	0.0	5287.95	0.0
load	N_900081978	constant_power_C_real	10575.9	0.0	5287.95	0.0
load	N_900081978	constant_power_A_reac	3476.14	0.0	1738.07	0.0
load	N_900081978	constant_power_B_reac	3476.14	0.0	1738.07	0.0
load	N_900081978	constant_power_C_reac	3476.14	0.0	1738.07	0.0
load	N_900059574	constant_power_A	149.581	49.1649	74.7905	24.58245
load	N_900059574	constant_power_B	149.581	49.1649	74.7905	24.58245
load	N_900059574	constant_power_A_real	149.581	0.0	74.7905	0.0
load	N_900059574	constant_power_B_real	149.581	0.0	74.7905	0.0
load	N_900059574	constant_power_A_reac	49.1649	0.0	24.58245	0.0
load	N_900059574	constant_power_B_reac	49.1649	0.0	24.58245	0.0
load	N_900056789	constant_power_A	4609.31	1515.01	2304.655	757.505
load	N_900056789	constant_power_B	4609.31	1515.01	2304.655	757.505
load	N_900056789	constant_power_C	4609.31	1515.01	2304.655	757.505
load	N_900056789	constant_power_A_real	4609.31	0.0	2304.655	0.0
load	N_900056789	constant_power_B_real	4609.31	0.0	2304.655	0.0
load	N_900056789	constant_power_C_real	4609.31	0.0	2304.655	0.0
load	N_900056789	constant_power_A_reac	1515.01	0.0	757.505	0.0
load	N_900056789	constant_power_B_reac	1515.01	0.0	757.505	0.0
load	N_900056789	constant_power_C_reac	1515.01	0.0	757.505	0.0
load	N_900059256	constant_power_C	7445.81	2447.32	3722.905	1223.66
load	N_900059256	constant_power_C_real	7445.81	0.0	3722.905	0.0
load	N_900059256	constant_power_C_reac	2447.32	0.0	1223.66	0.0
load	N_900056781	constant_power_A	42015.6	13809.9	21007.8	6904.95
load	N_900056781	constant_power_A_real	42015.6	0.0	21007.8	0.0
load	N_900056781	constant_power_A_reac	13809.9	0.0	6904.95	0.0
load	N_900059258	constant_power_B	224.372	139.053	112.186	69.5265

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059258	constant_power_C	224.372	139.053	112.186	69.5265
load	N_900059258	constant_power_B_real	224.372	0.0	112.186	0.0
load	N_900059258	constant_power_C_real	224.372	0.0	112.186	0.0
load	N_900059258	constant_power_B_reac	139.053	0.0	69.5265	0.0
load	N_900059258	constant_power_C_reac	139.053	0.0	69.5265	0.0
load	N_900056785	constant_power_A	6008.17	1974.79	3004.085	987.395
load	N_900056785	constant_power_B	6008.17	1974.79	3004.085	987.395
load	N_900056785	constant_power_A_real	6008.17	0.0	3004.085	0.0
load	N_900056785	constant_power_B_real	6008.17	0.0	3004.085	0.0
load	N_900056785	constant_power_A_reac	1974.79	0.0	987.395	0.0
load	N_900056785	constant_power_B_reac	1974.79	0.0	987.395	0.0
load	N_900056787	constant_power_A	2866.97	942.327	1433.485	471.1635
load	N_900056787	constant_power_B	2866.97	942.327	1433.485	471.1635
load	N_900056787	constant_power_A_real	2866.97	0.0	1433.485	0.0
load	N_900056787	constant_power_B_real	2866.97	0.0	1433.485	0.0
load	N_900056787	constant_power_A_reac	942.327	0.0	471.1635	0.0
load	N_900056787	constant_power_B_reac	942.327	0.0	471.1635	0.0
load	N_900056786	constant_power_A	23667.0	7778.98	11833.5	3889.49
load	N_900056786	constant_power_A_real	23667.0	0.0	11833.5	0.0
load	N_900056786	constant_power_A_reac	7778.98	0.0	3889.49	0.0
load	N_900049965	constant_power_A	9096.74	2989.95	4548.37	1494.975
load	N_900049965	constant_power_B	9096.74	2989.95	4548.37	1494.975
load	N_900049965	constant_power_C	9096.74	2989.95	4548.37	1494.975
load	N_900049965	constant_power_A_real	9096.74	0.0	4548.37	0.0
load	N_900049965	constant_power_B_real	9096.74	0.0	4548.37	0.0
load	N_900049965	constant_power_C_real	9096.74	0.0	4548.37	0.0
load	N_900049965	constant_power_A_reac	2989.95	0.0	1494.975	0.0
load	N_900049965	constant_power_B_reac	2989.95	0.0	1494.975	0.0
load	N_900049965	constant_power_C_reac	2989.95	0.0	1494.975	0.0
load	N_900059659	constant_power_A	2792.18	1051.58	1396.09	525.79
load	N_900059659	constant_power_B	2792.18	1051.58	1396.09	525.79
load	N_900059659	constant_power_C	2792.18	1051.58	1396.09	525.79
load	N_900059659	constant_power_A_real	2792.18	0.0	1396.09	0.0
load	N_900059659	constant_power_B_real	2792.18	0.0	1396.09	0.0
load	N_900059659	constant_power_C_real	2792.18	0.0	1396.09	0.0
load	N_900059659	constant_power_A_reac	1051.58	0.0	525.79	0.0
load	N_900059659	constant_power_B_reac	1051.58	0.0	525.79	0.0
load	N_900059659	constant_power_C_reac	1051.58	0.0	525.79	0.0
load	N_900059650	constant_power_A	4282.45	1407.57	2141.225	703.785
load	N_900059650	constant_power_B	4282.45	1407.57	2141.225	703.785
load	N_900059650	constant_power_C	4282.45	1407.57	2141.225	703.785
load	N_900059650	constant_power_A_real	4282.45	0.0	2141.225	0.0
load	N_900059650	constant_power_B_real	4282.45	0.0	2141.225	0.0
load	N_900059650	constant_power_C_real	4282.45	0.0	2141.225	0.0
load	N_900059650	constant_power_A_reac	1407.57	0.0	703.785	0.0
load	N_900059650	constant_power_B_reac	1407.57	0.0	703.785	0.0
load	N_900059650	constant_power_C_reac	1407.57	0.0	703.785	0.0
load	N_900059651	constant_power_A	5384.92	1769.94	2692.46	884.97
load	N_900059651	constant_power_B	5384.92	1769.94	2692.46	884.97
load	N_900059651	constant_power_A_real	5384.92	0.0	2692.46	0.0
load	N_900059651	constant_power_B_real	5384.92	0.0	2692.46	0.0
load	N_900059651	constant_power_A_reac	1769.94	0.0	884.97	0.0
load	N_900059651	constant_power_B_reac	1769.94	0.0	884.97	0.0
load	N_900056738	constant_power_A	9623.05	3179.07	4811.525	1589.535
load	N_900056738	constant_power_B	9623.05	3179.07	4811.525	1589.535
load	N_900056738	constant_power_C	9623.05	3179.07	4811.525	1589.535
load	N_900056738	constant_power_A_real	9623.05	0.0	4811.525	0.0
load	N_900056738	constant_power_B_real	9623.05	0.0	4811.525	0.0
load	N_900056738	constant_power_C_real	9623.05	0.0	4811.525	0.0
load	N_900056738	constant_power_A_reac	3179.07	0.0	1589.535	0.0
load	N_900056738	constant_power_B_reac	3179.07	0.0	1589.535	0.0
load	N_900056738	constant_power_C_reac	3179.07	0.0	1589.535	0.0
load	N_900056739	constant_power_A	720.205	236.72	360.1025	118.36

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900056739	constant_power_B	720.205	236.72	360.1025	118.36
load	N_900056739	constant_power_C	720.205	236.72	360.1025	118.36
load	N_900056739	constant_power_A_real	720.205	0.0	360.1025	0.0
load	N_900056739	constant_power_B_real	720.205	0.0	360.1025	0.0
load	N_900056739	constant_power_C_real	720.205	0.0	360.1025	0.0
load	N_900056739	constant_power_A_reac	236.72	0.0	118.36	0.0
load	N_900056739	constant_power_B_reac	236.72	0.0	118.36	0.0
load	N_900056739	constant_power_C_reac	236.72	0.0	118.36	0.0
load	N_900117769	constant_power_A	2177.24	715.623	1088.62	357.8115
load	N_900117769	constant_power_B	2177.24	715.623	1088.62	357.8115
load	N_900117769	constant_power_A_real	2177.24	0.0	1088.62	0.0
load	N_900117769	constant_power_B_real	2177.24	0.0	1088.62	0.0
load	N_900117769	constant_power_A_reac	715.623	0.0	357.8115	0.0
load	N_900117769	constant_power_B_reac	715.623	0.0	357.8115	0.0
load	N_900030771	constant_power_A	15334.8	5040.31	7667.4	2520.155
load	N_900030771	constant_power_B	15334.8	5040.31	7667.4	2520.155
load	N_900030771	constant_power_C	15334.8	5040.31	7667.4	2520.155
load	N_900030771	constant_power_A_real	15334.8	0.0	7667.4	0.0
load	N_900030771	constant_power_B_real	15334.8	0.0	7667.4	0.0
load	N_900030771	constant_power_C_real	15334.8	0.0	7667.4	0.0
load	N_900030771	constant_power_A_reac	5040.31	0.0	2520.155	0.0
load	N_900030771	constant_power_B_reac	5040.31	0.0	2520.155	0.0
load	N_900030771	constant_power_C_reac	5040.31	0.0	2520.155	0.0
load	N_900018691	constant_power_B	1886.38	620.024	943.19	310.012
load	N_900018691	constant_power_C	1886.38	620.024	943.19	310.012
load	N_900018691	constant_power_B_real	1886.38	0.0	943.19	0.0
load	N_900018691	constant_power_C_real	1886.38	0.0	943.19	0.0
load	N_900018691	constant_power_B_reac	620.024	0.0	310.012	0.0
load	N_900018691	constant_power_C_reac	620.024	0.0	310.012	0.0
load	N_900059024	constant_power_B	1404.4	461.604	702.2	230.802
load	N_900059024	constant_power_C	1404.4	461.604	702.2	230.802
load	N_900059024	constant_power_B_real	1404.4	0.0	702.2	0.0
load	N_900059024	constant_power_C_real	1404.4	0.0	702.2	0.0
load	N_900059024	constant_power_B_reac	461.604	0.0	230.802	0.0
load	N_900059024	constant_power_C_reac	461.604	0.0	230.802	0.0
load	N_900018510	constant_power_A	6839.18	2247.93	3419.59	1123.965
load	N_900018510	constant_power_B	6839.18	2247.93	3419.59	1123.965
load	N_900018510	constant_power_A_real	6839.18	0.0	3419.59	0.0
load	N_900018510	constant_power_B_real	6839.18	0.0	3419.59	0.0
load	N_900018510	constant_power_A_reac	2247.93	0.0	1123.965	0.0
load	N_900018510	constant_power_B_reac	2247.93	0.0	1123.965	0.0
load	N_900079557	constant_power_B	16453.9	5408.14	8226.95	2704.07
load	N_900079557	constant_power_C	16453.9	5408.14	8226.95	2704.07
load	N_900079557	constant_power_B_real	16453.9	0.0	8226.95	0.0
load	N_900079557	constant_power_C_real	16453.9	0.0	8226.95	0.0
load	N_900079557	constant_power_B_reac	5408.14	0.0	2704.07	0.0
load	N_900079557	constant_power_C_reac	5408.14	0.0	2704.07	0.0
load	N_900037530	constant_power_C	3506.84	2173.35	1753.42	1086.675
load	N_900037530	constant_power_C_real	3506.84	0.0	1753.42	0.0
load	N_900037530	constant_power_C_reac	2173.35	0.0	1086.675	0.0
load	N_900059160	constant_power_B	3174.44	1043.39	1587.22	521.695
load	N_900059160	constant_power_C	3174.44	1043.39	1587.22	521.695
load	N_900059160	constant_power_B_real	3174.44	0.0	1587.22	0.0
load	N_900059160	constant_power_C_real	3174.44	0.0	1587.22	0.0
load	N_900059160	constant_power_B_reac	1043.39	0.0	521.695	0.0
load	N_900059160	constant_power_C_reac	1043.39	0.0	521.695	0.0
load	N_600028723	constant_power_C	6963.83	2288.9	3481.915	1144.45
load	N_600028723	constant_power_C_real	6963.83	0.0	3481.915	0.0
load	N_600028723	constant_power_C_reac	2288.9	0.0	1144.45	0.0
load	N_900060831	constant_power_A	2725.7	895.894	1362.85	447.947
load	N_900060831	constant_power_B	2725.7	895.894	1362.85	447.947
load	N_900060831	constant_power_A_real	2725.7	0.0	1362.85	0.0
load	N_900060831	constant_power_B_real	2725.7	0.0	1362.85	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900060831	constant_power_A_reac	895.894	0.0	447.947	0.0
load	N_900060831	constant_power_B_reac	895.894	0.0	447.947	0.0
load	N_900060835	constant_power_A	1429.33	493.985	714.665	246.9925
load	N_900060835	constant_power_B	1429.33	493.985	714.665	246.9925
load	N_900060835	constant_power_A_real	1429.33	0.0	714.665	0.0
load	N_900060835	constant_power_B_real	1429.33	0.0	714.665	0.0
load	N_900060835	constant_power_A_reac	493.985	0.0	246.9925	0.0
load	N_900060835	constant_power_B_reac	493.985	0.0	246.9925	0.0
load	N_900008106	constant_power_A	1271.44	417.902	635.72	208.951
load	N_900008106	constant_power_B	1271.44	417.902	635.72	208.951
load	N_900008106	constant_power_A_real	1271.44	0.0	635.72	0.0
load	N_900008106	constant_power_B_real	1271.44	0.0	635.72	0.0
load	N_900008106	constant_power_A_reac	417.902	0.0	208.951	0.0
load	N_900008106	constant_power_B_reac	417.902	0.0	208.951	0.0
load	N_900008100	constant_power_A	14351.5	4717.1	7175.75	2358.55
load	N_900008100	constant_power_B	14351.5	4717.1	7175.75	2358.55
load	N_900008100	constant_power_A_real	14351.5	0.0	7175.75	0.0
load	N_900008100	constant_power_B_real	14351.5	0.0	7175.75	0.0
load	N_900008100	constant_power_A_reac	4717.1	0.0	2358.55	0.0
load	N_900008100	constant_power_B_reac	4717.1	0.0	2358.55	0.0
load	N_900008101	constant_power_A	2601.05	854.923	1300.525	427.4615
load	N_900008101	constant_power_B	2601.05	854.923	1300.525	427.4615
load	N_900008101	constant_power_A_real	2601.05	0.0	1300.525	0.0
load	N_900008101	constant_power_B_real	2601.05	0.0	1300.525	0.0
load	N_900008101	constant_power_A_reac	854.923	0.0	427.4615	0.0
load	N_900008101	constant_power_B_reac	854.923	0.0	427.4615	0.0
load	N_900059158	constant_power_B	1055.38	346.886	527.69	173.443
load	N_900059158	constant_power_C	1055.38	346.886	527.69	173.443
load	N_900059158	constant_power_B_real	1055.38	0.0	527.69	0.0
load	N_900059158	constant_power_C_real	1055.38	0.0	527.69	0.0
load	N_900059158	constant_power_B_reac	346.886	0.0	173.443	0.0
load	N_900059158	constant_power_C_reac	346.886	0.0	173.443	0.0
load	N_900061011	constant_power_A	3756.15	1234.59	1878.075	617.295
load	N_900061011	constant_power_B	3756.15	1234.59	1878.075	617.295
load	N_900061011	constant_power_A_real	3756.15	0.0	1878.075	0.0
load	N_900061011	constant_power_B_real	3756.15	0.0	1878.075	0.0
load	N_900061011	constant_power_A_reac	1234.59	0.0	617.295	0.0
load	N_900061011	constant_power_B_reac	1234.59	0.0	617.295	0.0
load	N_900059628	constant_power_A	5805.96	1914.78	2902.98	957.39
load	N_900059628	constant_power_B	5805.96	1914.78	2902.98	957.39
load	N_900059628	constant_power_C	5805.96	1914.78	2902.98	957.39
load	N_900059628	constant_power_A_real	5805.96	0.0	2902.98	0.0
load	N_900059628	constant_power_B_real	5805.96	0.0	2902.98	0.0
load	N_900059628	constant_power_C_real	5805.96	0.0	2902.98	0.0
load	N_900059628	constant_power_A_reac	1914.78	0.0	957.39	0.0
load	N_900059628	constant_power_B_reac	1914.78	0.0	957.39	0.0
load	N_900059628	constant_power_C_reac	1914.78	0.0	957.39	0.0
load	N_900061015	constant_power_A	3661.97	1203.63	1830.985	601.815
load	N_900061015	constant_power_B	3661.97	1203.63	1830.985	601.815
load	N_900061015	constant_power_C	3661.97	1203.63	1830.985	601.815
load	N_900061015	constant_power_A_real	3661.97	0.0	1830.985	0.0
load	N_900061015	constant_power_B_real	3661.97	0.0	1830.985	0.0
load	N_900061015	constant_power_C_real	3661.97	0.0	1830.985	0.0
load	N_900061015	constant_power_A_reac	1203.63	0.0	601.815	0.0
load	N_900061015	constant_power_B_reac	1203.63	0.0	601.815	0.0
load	N_900061015	constant_power_C_reac	1203.63	0.0	601.815	0.0
load	N_900018423	constant_power_A	2567.81	843.998	1283.905	421.999
load	N_900018423	constant_power_B	2567.81	843.998	1283.905	421.999
load	N_900018423	constant_power_A_real	2567.81	0.0	1283.905	0.0
load	N_900018423	constant_power_B_real	2567.81	0.0	1283.905	0.0
load	N_900018423	constant_power_A_reac	843.998	0.0	421.999	0.0
load	N_900018423	constant_power_B_reac	843.998	0.0	421.999	0.0
load	N_900059627	constant_power_C	13761.5	4523.17	6880.75	2261.585

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059627	constant_power_C_real	13761.5	0.0	6880.75	0.0
load	N_900059627	constant_power_C_reac	4523.17	0.0	2261.585	0.0
load	N_900023757	constant_power_A	38425.7	12896.0	19212.85	6448.0
load	N_900023757	constant_power_B	38425.7	12896.0	19212.85	6448.0
load	N_900023757	constant_power_A_real	38425.7	0.0	19212.85	0.0
load	N_900023757	constant_power_B_real	38425.7	0.0	19212.85	0.0
load	N_900023757	constant_power_A_reac	12896.0	0.0	6448.0	0.0
load	N_900023757	constant_power_B_reac	12896.0	0.0	6448.0	0.0
load	N_900040979	constant_power_B	2908.52	955.984	1454.26	477.992
load	N_900040979	constant_power_C	2908.52	955.984	1454.26	477.992
load	N_900040979	constant_power_B_real	2908.52	0.0	1454.26	0.0
load	N_900040979	constant_power_C_real	2908.52	0.0	1454.26	0.0
load	N_900040979	constant_power_B_reac	955.984	0.0	477.992	0.0
load	N_900040979	constant_power_C_reac	955.984	0.0	477.992	0.0
load	N_900080783	constant_power_B	13994.1	4599.65	6997.05	2299.825
load	N_900080783	constant_power_C	13994.1	4599.65	6997.05	2299.825
load	N_900080783	constant_power_B_real	13994.1	0.0	6997.05	0.0
load	N_900080783	constant_power_C_real	13994.1	0.0	6997.05	0.0
load	N_900080783	constant_power_B_reac	4599.65	0.0	2299.825	0.0
load	N_900080783	constant_power_C_reac	4599.65	0.0	2299.825	0.0
load	N_900113658	constant_power_B	565.084	185.734	282.542	92.867
load	N_900113658	constant_power_C	565.084	185.734	282.542	92.867
load	N_900113658	constant_power_B_real	565.084	0.0	282.542	0.0
load	N_900113658	constant_power_C_real	565.084	0.0	282.542	0.0
load	N_900113658	constant_power_B_reac	185.734	0.0	92.867	0.0
load	N_900113658	constant_power_C_reac	185.734	0.0	92.867	0.0
load	N_900020599	constant_power_A	17525.9	5760.49	8762.95	2880.245
load	N_900020599	constant_power_B	17525.9	5760.49	8762.95	2880.245
load	N_900020599	constant_power_A_real	17525.9	0.0	8762.95	0.0
load	N_900020599	constant_power_B_real	17525.9	0.0	8762.95	0.0
load	N_900020599	constant_power_A_reac	5760.49	0.0	2880.245	0.0
load	N_900020599	constant_power_B_reac	5760.49	0.0	2880.245	0.0
load	N_900060725	constant_power_A	18938.6	6234.5	9469.3	3117.25
load	N_900060725	constant_power_B	18938.6	6234.5	9469.3	3117.25
load	N_900060725	constant_power_A_real	18938.6	0.0	9469.3	0.0
load	N_900060725	constant_power_B_real	18938.6	0.0	9469.3	0.0
load	N_900060725	constant_power_A_reac	6234.5	0.0	3117.25	0.0
load	N_900060725	constant_power_B_reac	6234.5	0.0	3117.25	0.0
load	N_900019960	constant_power_B	2650.91	871.311	1325.455	435.6555
load	N_900019960	constant_power_C	2650.91	871.311	1325.455	435.6555
load	N_900019960	constant_power_B_real	2650.91	0.0	1325.455	0.0
load	N_900019960	constant_power_C_real	2650.91	0.0	1325.455	0.0
load	N_900019960	constant_power_B_reac	871.311	0.0	435.6555	0.0
load	N_900019960	constant_power_C_reac	871.311	0.0	435.6555	0.0
load	N_900023135	constant_power_A	11445.7	3762.03	5722.85	1881.015
load	N_900023135	constant_power_B	11445.7	3762.03	5722.85	1881.015
load	N_900023135	constant_power_C	11445.7	3762.03	5722.85	1881.015
load	N_900023135	constant_power_A_real	11445.7	0.0	5722.85	0.0
load	N_900023135	constant_power_B_real	11445.7	0.0	5722.85	0.0
load	N_900023135	constant_power_C_real	11445.7	0.0	5722.85	0.0
load	N_900023135	constant_power_A_reac	3762.03	0.0	1881.015	0.0
load	N_900023135	constant_power_B_reac	3762.03	0.0	1881.015	0.0
load	N_900023135	constant_power_C_reac	3762.03	0.0	1881.015	0.0
load	N_900026549	constant_power_A	8717.25	2865.22	4358.625	1432.61
load	N_900026549	constant_power_B	8717.25	2865.22	4358.625	1432.61
load	N_900026549	constant_power_A_real	8717.25	0.0	4358.625	0.0
load	N_900026549	constant_power_B_real	8717.25	0.0	4358.625	0.0
load	N_900026549	constant_power_A_reac	2865.22	0.0	1432.61	0.0
load	N_900026549	constant_power_B_reac	2865.22	0.0	1432.61	0.0
load	N_900018864	constant_power_B	1005.52	330.497	502.76	165.2485
load	N_900018864	constant_power_C	1005.52	330.497	502.76	165.2485
load	N_900018864	constant_power_B_real	1005.52	0.0	502.76	0.0
load	N_900018864	constant_power_C_real	1005.52	0.0	502.76	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900018864	constant_power_B_reac	330.497	0.0	165.2485	0.0
load	N_900018864	constant_power_C_reac	330.497	0.0	165.2485	0.0
load	N_900018865	constant_power_B	5443.09	2623.52	2721.545	1311.76
load	N_900018865	constant_power_C	5443.09	2623.52	2721.545	1311.76
load	N_900018865	constant_power_B_real	5443.09	0.0	2721.545	0.0
load	N_900018865	constant_power_C_real	5443.09	0.0	2721.545	0.0
load	N_900018865	constant_power_B_reac	2623.52	0.0	1311.76	0.0
load	N_900018865	constant_power_C_reac	2623.52	0.0	1311.76	0.0
load	N_900059430	constant_power_A	653.724	214.869	326.862	107.4345
load	N_900059430	constant_power_B	653.724	214.869	326.862	107.4345
load	N_900059430	constant_power_C	653.724	214.869	326.862	107.4345
load	N_900059430	constant_power_A_real	653.724	0.0	326.862	0.0
load	N_900059430	constant_power_B_real	653.724	0.0	326.862	0.0
load	N_900059430	constant_power_C_real	653.724	0.0	326.862	0.0
load	N_900059430	constant_power_A_reac	214.869	0.0	107.4345	0.0
load	N_900059430	constant_power_B_reac	214.869	0.0	107.4345	0.0
load	N_900059430	constant_power_C_reac	214.869	0.0	107.4345	0.0
load	N_900059538	constant_power_B	7304.54	2400.89	3652.27	1200.445
load	N_900059538	constant_power_C	7304.54	2400.89	3652.27	1200.445
load	N_900059538	constant_power_B_real	7304.54	0.0	3652.27	0.0
load	N_900059538	constant_power_C_real	7304.54	0.0	3652.27	0.0
load	N_900059538	constant_power_B_reac	2400.89	0.0	1200.445	0.0
load	N_900059538	constant_power_C_reac	2400.89	0.0	1200.445	0.0
load	N_900059535	constant_power_A	1321.3	434.29	660.65	217.145
load	N_900059535	constant_power_B	1321.3	434.29	660.65	217.145
load	N_900059535	constant_power_A_real	1321.3	0.0	660.65	0.0
load	N_900059535	constant_power_B_real	1321.3	0.0	660.65	0.0
load	N_900059535	constant_power_A_reac	434.29	0.0	217.145	0.0
load	N_900059535	constant_power_B_reac	434.29	0.0	217.145	0.0
load	N_900059610	constant_power_A	7584.31	2492.84	3792.155	1246.42
load	N_900059610	constant_power_B	7584.31	2492.84	3792.155	1246.42
load	N_900059610	constant_power_C	7584.31	2492.84	3792.155	1246.42
load	N_900059610	constant_power_A_real	7584.31	0.0	3792.155	0.0
load	N_900059610	constant_power_B_real	7584.31	0.0	3792.155	0.0
load	N_900059610	constant_power_C_real	7584.31	0.0	3792.155	0.0
load	N_900059610	constant_power_A_reac	2492.84	0.0	1246.42	0.0
load	N_900059610	constant_power_B_reac	2492.84	0.0	1246.42	0.0
load	N_900059610	constant_power_C_reac	2492.84	0.0	1246.42	0.0
load	N_900060758	constant_power_A	10645.2	3498.9	5322.6	1749.45
load	N_900060758	constant_power_B	10645.2	3498.9	5322.6	1749.45
load	N_900060758	constant_power_A_real	10645.2	0.0	5322.6	0.0
load	N_900060758	constant_power_B_real	10645.2	0.0	5322.6	0.0
load	N_900060758	constant_power_A_reac	3498.9	0.0	1749.45	0.0
load	N_900060758	constant_power_B_reac	3498.9	0.0	1749.45	0.0
load	N_900060753	constant_power_A	4969.41	1633.37	2484.705	816.685
load	N_900060753	constant_power_B	4969.41	1633.37	2484.705	816.685
load	N_900060753	constant_power_A_real	4969.41	0.0	2484.705	0.0
load	N_900060753	constant_power_B_real	4969.41	0.0	2484.705	0.0
load	N_900060753	constant_power_A_reac	1633.37	0.0	816.685	0.0
load	N_900060753	constant_power_B_reac	1633.37	0.0	816.685	0.0
load	N_900060752	constant_power_A	2085.82	685.577	1042.91	342.7885
load	N_900060752	constant_power_B	2085.82	685.577	1042.91	342.7885
load	N_900060752	constant_power_A_real	2085.82	0.0	1042.91	0.0
load	N_900060752	constant_power_B_real	2085.82	0.0	1042.91	0.0
load	N_900060752	constant_power_A_reac	685.577	0.0	342.7885	0.0
load	N_900060752	constant_power_B_reac	685.577	0.0	342.7885	0.0
load	N_900038682	constant_power_C	21722.9	13462.6	10861.45	6731.3
load	N_900038682	constant_power_C_real	21722.9	0.0	10861.45	0.0
load	N_900038682	constant_power_C_reac	13462.6	0.0	6731.3	0.0
load	N_900060756	constant_power_A	3963.9	1302.87	1981.95	651.435
load	N_900060756	constant_power_B	3963.9	1302.87	1981.95	651.435
load	N_900060756	constant_power_A_real	3963.9	0.0	1981.95	0.0
load	N_900060756	constant_power_B_real	3963.9	0.0	1981.95	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900060756	constant_power_A_reac	1302.87	0.0	651.435	0.0
load	N_900060756	constant_power_B_reac	1302.87	0.0	651.435	0.0
load	N_900058347	constant_power_B	16.62	10.3002	8.31	5.1501
load	N_900058347	constant_power_C	16.62	10.3002	8.31	5.1501
load	N_900058347	constant_power_B_real	16.62	0.0	8.31	0.0
load	N_900058347	constant_power_C_real	16.62	0.0	8.31	0.0
load	N_900058347	constant_power_B_reac	10.3002	0.0	5.1501	0.0
load	N_900058347	constant_power_C_reac	10.3002	0.0	5.1501	0.0
load	N_900056744	constant_power_A	3839.25	1411.86	1919.625	705.93
load	N_900056744	constant_power_B	3839.25	1411.86	1919.625	705.93
load	N_900056744	constant_power_C	3839.25	1411.86	1919.625	705.93
load	N_900056744	constant_power_A_real	3839.25	0.0	1919.625	0.0
load	N_900056744	constant_power_B_real	3839.25	0.0	1919.625	0.0
load	N_900056744	constant_power_C_real	3839.25	0.0	1919.625	0.0
load	N_900056744	constant_power_A_reac	1411.86	0.0	705.93	0.0
load	N_900056744	constant_power_B_reac	1411.86	0.0	705.93	0.0
load	N_900056744	constant_power_C_reac	1411.86	0.0	705.93	0.0
load	N_900056747	constant_power_A	2260.34	742.936	1130.17	371.468
load	N_900056747	constant_power_B	2260.34	742.936	1130.17	371.468
load	N_900056747	constant_power_C	2260.34	742.936	1130.17	371.468
load	N_900056747	constant_power_A_real	2260.34	0.0	1130.17	0.0
load	N_900056747	constant_power_B_real	2260.34	0.0	1130.17	0.0
load	N_900056747	constant_power_C_real	2260.34	0.0	1130.17	0.0
load	N_900056747	constant_power_A_reac	742.936	0.0	371.468	0.0
load	N_900056747	constant_power_B_reac	742.936	0.0	371.468	0.0
load	N_900056747	constant_power_C_reac	742.936	0.0	371.468	0.0
load	N_900056746	constant_power_A	5152.24	1693.46	2576.12	846.73
load	N_900056746	constant_power_B	5152.24	1693.46	2576.12	846.73
load	N_900056746	constant_power_C	5152.24	1693.46	2576.12	846.73
load	N_900056746	constant_power_A_real	5152.24	0.0	2576.12	0.0
load	N_900056746	constant_power_B_real	5152.24	0.0	2576.12	0.0
load	N_900056746	constant_power_C_real	5152.24	0.0	2576.12	0.0
load	N_900056746	constant_power_A_reac	1693.46	0.0	846.73	0.0
load	N_900056746	constant_power_B_reac	1693.46	0.0	846.73	0.0
load	N_900056746	constant_power_C_reac	1693.46	0.0	846.73	0.0
load	N_900056742	constant_power_A	2819.88	926.85	1409.94	463.425
load	N_900056742	constant_power_B	2819.88	926.85	1409.94	463.425
load	N_900056742	constant_power_C	2819.88	926.85	1409.94	463.425
load	N_900056742	constant_power_A_real	2819.88	0.0	1409.94	0.0
load	N_900056742	constant_power_B_real	2819.88	0.0	1409.94	0.0
load	N_900056742	constant_power_C_real	2819.88	0.0	1409.94	0.0
load	N_900056742	constant_power_A_reac	926.85	0.0	463.425	0.0
load	N_900056742	constant_power_B_reac	926.85	0.0	463.425	0.0
load	N_900056742	constant_power_C_reac	926.85	0.0	463.425	0.0
load	N_900046074	constant_power_C	4287.99	1409.39	2143.995	704.695
load	N_900046074	constant_power_C_real	4287.99	0.0	2143.995	0.0
load	N_900046074	constant_power_C_reac	1409.39	0.0	704.695	0.0
load	N_900059280	constant_power_B	1288.06	423.365	644.03	211.6825
load	N_900059280	constant_power_C	1288.06	423.365	644.03	211.6825
load	N_900059280	constant_power_B_real	1288.06	0.0	644.03	0.0
load	N_900059280	constant_power_C_real	1288.06	0.0	644.03	0.0
load	N_900059280	constant_power_B_reac	423.365	0.0	211.6825	0.0
load	N_900059280	constant_power_C_reac	423.365	0.0	211.6825	0.0
load	N_900002563	constant_power_B	1653.7	543.545	826.85	271.7725
load	N_900002563	constant_power_C	1653.7	543.545	826.85	271.7725
load	N_900002563	constant_power_B_real	1653.7	0.0	826.85	0.0
load	N_900002563	constant_power_C_real	1653.7	0.0	826.85	0.0
load	N_900002563	constant_power_B_reac	543.545	0.0	271.7725	0.0
load	N_900002563	constant_power_C_reac	543.545	0.0	271.7725	0.0
load	N_900203503	constant_power_B	523.534	172.077	261.767	86.0385
load	N_900203503	constant_power_C	523.534	172.077	261.767	86.0385
load	N_900203503	constant_power_B_real	523.534	0.0	261.767	0.0
load	N_900203503	constant_power_C_real	523.534	0.0	261.767	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900203503	constant_power_B_reac	172.077	0.0	86.0385	0.0
load	N_900203503	constant_power_C_reac	172.077	0.0	86.0385	0.0
load	N_900059286	constant_power_B	1745.11	573.591	872.555	286.7955
load	N_900059286	constant_power_C	1745.11	573.591	872.555	286.7955
load	N_900059286	constant_power_B_real	1745.11	0.0	872.555	0.0
load	N_900059286	constant_power_C_real	1745.11	0.0	872.555	0.0
load	N_900059286	constant_power_B_reac	573.591	0.0	286.7955	0.0
load	N_900059286	constant_power_C_reac	573.591	0.0	286.7955	0.0
load	N_900059289	constant_power_B	4163.34	1368.42	2081.67	684.21
load	N_900059289	constant_power_C	4163.34	1368.42	2081.67	684.21
load	N_900059289	constant_power_B_real	4163.34	0.0	2081.67	0.0
load	N_900059289	constant_power_C_real	4163.34	0.0	2081.67	0.0
load	N_900059289	constant_power_B_reac	1368.42	0.0	684.21	0.0
load	N_900059289	constant_power_C_reac	1368.42	0.0	684.21	0.0
load	N_900059320	constant_power_B	1321.3	434.29	660.65	217.145
load	N_900059320	constant_power_C	1321.3	434.29	660.65	217.145
load	N_900059320	constant_power_B_real	1321.3	0.0	660.65	0.0
load	N_900059320	constant_power_C_real	1321.3	0.0	660.65	0.0
load	N_900059320	constant_power_B_reac	434.29	0.0	217.145	0.0
load	N_900059320	constant_power_C_reac	434.29	0.0	217.145	0.0
load	N_900087371	constant_power_A	9706.15	3190.26	4853.075	1595.13
load	N_900087371	constant_power_B	9706.15	3190.26	4853.075	1595.13
load	N_900087371	constant_power_A_real	9706.15	0.0	4853.075	0.0
load	N_900087371	constant_power_B_real	9706.15	0.0	4853.075	0.0
load	N_900087371	constant_power_A_reac	3190.26	0.0	1595.13	0.0
load	N_900087371	constant_power_B_reac	3190.26	0.0	1595.13	0.0
load	N_900087376	constant_power_A	16221.2	5331.66	8110.6	2665.83
load	N_900087376	constant_power_B	16221.2	5331.66	8110.6	2665.83
load	N_900087376	constant_power_A_real	16221.2	0.0	8110.6	0.0
load	N_900087376	constant_power_B_real	16221.2	0.0	8110.6	0.0
load	N_900087376	constant_power_A_reac	5331.66	0.0	2665.83	0.0
load	N_900087376	constant_power_B_reac	5331.66	0.0	2665.83	0.0
load	N_900087377	constant_power_A	15041.2	4943.8	7520.6	2471.9
load	N_900087377	constant_power_B	15041.2	4943.8	7520.6	2471.9
load	N_900087377	constant_power_A_real	15041.2	0.0	7520.6	0.0
load	N_900087377	constant_power_B_real	15041.2	0.0	7520.6	0.0
load	N_900087377	constant_power_A_reac	4943.8	0.0	2471.9	0.0
load	N_900087377	constant_power_B_reac	4943.8	0.0	2471.9	0.0
load	N_900059207	constant_power_B	1105.24	684.965	552.62	342.4825
load	N_900059207	constant_power_C	1105.24	684.965	552.62	342.4825
load	N_900059207	constant_power_B_real	1105.24	0.0	552.62	0.0
load	N_900059207	constant_power_C_real	1105.24	0.0	552.62	0.0
load	N_900059207	constant_power_B_reac	684.965	0.0	342.4825	0.0
load	N_900059207	constant_power_C_reac	684.965	0.0	342.4825	0.0
load	N_900046885	constant_power_A	2035.96	669.189	1017.98	334.5945
load	N_900046885	constant_power_B	2035.96	669.189	1017.98	334.5945
load	N_900046885	constant_power_A_real	2035.96	0.0	1017.98	0.0
load	N_900046885	constant_power_B_real	2035.96	0.0	1017.98	0.0
load	N_900046885	constant_power_A_reac	669.189	0.0	334.5945	0.0
load	N_900046885	constant_power_B_reac	669.189	0.0	334.5945	0.0
load	N_900087550	constant_power_A	13545.4	4452.16	6772.7	2226.08
load	N_900087550	constant_power_B	13545.4	4452.16	6772.7	2226.08
load	N_900087550	constant_power_A_real	13545.4	0.0	6772.7	0.0
load	N_900087550	constant_power_B_real	13545.4	0.0	6772.7	0.0
load	N_900087550	constant_power_A_reac	4452.16	0.0	2226.08	0.0
load	N_900087550	constant_power_B_reac	4452.16	0.0	2226.08	0.0
load	N_900059101	constant_power_B	1919.62	630.95	959.81	315.475
load	N_900059101	constant_power_C	1919.62	630.95	959.81	315.475
load	N_900059101	constant_power_B_real	1919.62	0.0	959.81	0.0
load	N_900059101	constant_power_C_real	1919.62	0.0	959.81	0.0
load	N_900059101	constant_power_B_reac	630.95	0.0	315.475	0.0
load	N_900059101	constant_power_C_reac	630.95	0.0	315.475	0.0
load	N_900002848	constant_power_A	7894.55	2594.81	3947.275	1297.405

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900002848	constant_power_B	7894.55	2594.81	3947.275	1297.405
load	N_900002848	constant_power_A_real	7894.55	0.0	3947.275	0.0
load	N_900002848	constant_power_B_real	7894.55	0.0	3947.275	0.0
load	N_900002848	constant_power_A_reac	2594.81	0.0	1297.405	0.0
load	N_900002848	constant_power_B_reac	2594.81	0.0	1297.405	0.0
load	N_900056900	constant_power_A	8603.68	2827.89	4301.84	1413.945
load	N_900056900	constant_power_B	8603.68	2827.89	4301.84	1413.945
load	N_900056900	constant_power_C	8603.68	2827.89	4301.84	1413.945
load	N_900056900	constant_power_A_real	8603.68	0.0	4301.84	0.0
load	N_900056900	constant_power_B_real	8603.68	0.0	4301.84	0.0
load	N_900056900	constant_power_C_real	8603.68	0.0	4301.84	0.0
load	N_900056900	constant_power_A_reac	2827.89	0.0	1413.945	0.0
load	N_900056900	constant_power_B_reac	2827.89	0.0	1413.945	0.0
load	N_900056900	constant_power_C_reac	2827.89	0.0	1413.945	0.0
load	N_600066419	constant_power_C	249.302	81.9416	124.651	40.9708
load	N_600066419	constant_power_C_real	249.302	0.0	124.651	0.0
load	N_600066419	constant_power_C_reac	81.9416	0.0	40.9708	0.0
load	N_900056863	constant_power_A	7510.57	4654.63	3755.285	2327.315
load	N_900056863	constant_power_B	7510.57	4654.63	3755.285	2327.315
load	N_900056863	constant_power_C	7510.57	4654.63	3755.285	2327.315
load	N_900056863	constant_power_A_real	7510.57	0.0	3755.285	0.0
load	N_900056863	constant_power_B_real	7510.57	0.0	3755.285	0.0
load	N_900056863	constant_power_C_real	7510.57	0.0	3755.285	0.0
load	N_900056863	constant_power_A_reac	4654.63	0.0	2327.315	0.0
load	N_900056863	constant_power_B_reac	4654.63	0.0	2327.315	0.0
load	N_900056863	constant_power_C_reac	4654.63	0.0	2327.315	0.0
load	N_600066418	constant_power_C	4005.45	1316.53	2002.725	658.265
load	N_600066418	constant_power_C_real	4005.45	0.0	2002.725	0.0
load	N_600066418	constant_power_C_reac	1316.53	0.0	658.265	0.0
load	N_900059194	constant_power_B	747.905	245.824	373.9525	122.912
load	N_900059194	constant_power_C	747.905	245.824	373.9525	122.912
load	N_900059194	constant_power_B_real	747.905	0.0	373.9525	0.0
load	N_900059194	constant_power_C_real	747.905	0.0	373.9525	0.0
load	N_900059194	constant_power_B_reac	245.824	0.0	122.912	0.0
load	N_900059194	constant_power_C_reac	245.824	0.0	122.912	0.0
load	N_900059662	constant_power_A	2066.43	703.391	1033.215	351.6955
load	N_900059662	constant_power_B	2066.43	703.391	1033.215	351.6955
load	N_900059662	constant_power_C	2066.43	703.391	1033.215	351.6955
load	N_900059662	constant_power_A_real	2066.43	0.0	1033.215	0.0
load	N_900059662	constant_power_B_real	2066.43	0.0	1033.215	0.0
load	N_900059662	constant_power_C_real	2066.43	0.0	1033.215	0.0
load	N_900059662	constant_power_A_reac	703.391	0.0	351.6955	0.0
load	N_900059662	constant_power_B_reac	703.391	0.0	351.6955	0.0
load	N_900059662	constant_power_C_reac	703.391	0.0	351.6955	0.0
load	N_900059216	constant_power_B	1553.98	510.769	776.99	255.3845
load	N_900059216	constant_power_C	1553.98	510.769	776.99	255.3845
load	N_900059216	constant_power_B_real	1553.98	0.0	776.99	0.0
load	N_900059216	constant_power_C_real	1553.98	0.0	776.99	0.0
load	N_900059216	constant_power_B_reac	510.769	0.0	255.3845	0.0
load	N_900059216	constant_power_C_reac	510.769	0.0	255.3845	0.0
load	N_900059214	constant_power_B	3822.63	1256.44	1911.315	628.22
load	N_900059214	constant_power_C	3822.63	1256.44	1911.315	628.22
load	N_900059214	constant_power_B_real	3822.63	0.0	1911.315	0.0
load	N_900059214	constant_power_C_real	3822.63	0.0	1911.315	0.0
load	N_900059214	constant_power_B_reac	1256.44	0.0	628.22	0.0
load	N_900059214	constant_power_C_reac	1256.44	0.0	628.22	0.0
load	N_900059210	constant_power_B	1828.21	600.905	914.105	300.4525
load	N_900059210	constant_power_C	1828.21	600.905	914.105	300.4525
load	N_900059210	constant_power_B_real	1828.21	0.0	914.105	0.0
load	N_900059210	constant_power_C_real	1828.21	0.0	914.105	0.0
load	N_900059210	constant_power_B_reac	600.905	0.0	300.4525	0.0
load	N_900059210	constant_power_C_reac	600.905	0.0	300.4525	0.0
load	N_900056639	constant_power_C	4487.43	1474.95	2243.715	737.475

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900056639	constant_power_C_real	4487.43	0.0	2243.715	0.0
load	N_900056639	constant_power_C_reac	1474.95	0.0	737.475	0.0
load	N_900056638	constant_power_C	5750.56	1890.12	2875.28	945.06
load	N_900056638	constant_power_C_real	5750.56	0.0	2875.28	0.0
load	N_900056638	constant_power_C_reac	1890.12	0.0	945.06	0.0
load	N_900052255	constant_power_C	4304.61	1414.86	2152.305	707.43
load	N_900052255	constant_power_C_real	4304.61	0.0	2152.305	0.0
load	N_900052255	constant_power_C_reac	1414.86	0.0	707.43	0.0
load	N_900052252	constant_power_C	14376.4	4725.29	7188.2	2362.645
load	N_900052252	constant_power_C_real	14376.4	0.0	7188.2	0.0
load	N_900052252	constant_power_C_reac	4725.29	0.0	2362.645	0.0
load	N_900052250	constant_power_C	21672.6	7123.45	10836.3	3561.725
load	N_900052250	constant_power_C_real	21672.6	0.0	10836.3	0.0
load	N_900052250	constant_power_C_reac	7123.45	0.0	3561.725	0.0
load	N_900110897	constant_power_B	1188.34	390.588	594.17	195.294
load	N_900110897	constant_power_C	1188.34	390.588	594.17	195.294
load	N_900110897	constant_power_B_real	1188.34	0.0	594.17	0.0
load	N_900110897	constant_power_C_real	1188.34	0.0	594.17	0.0
load	N_900110897	constant_power_B_reac	390.588	0.0	195.294	0.0
load	N_900110897	constant_power_C_reac	390.588	0.0	195.294	0.0
load	N_900081941	constant_power_B	22636.6	7440.29	11318.3	3720.145
load	N_900081941	constant_power_C	22636.6	7440.29	11318.3	3720.145
load	N_900081941	constant_power_B_real	22636.6	0.0	11318.3	0.0
load	N_900081941	constant_power_C_real	22636.6	0.0	11318.3	0.0
load	N_900081941	constant_power_B_reac	7440.29	0.0	3720.145	0.0
load	N_900081941	constant_power_C_reac	7440.29	0.0	3720.145	0.0
load	N_900060805	constant_power_A	4545.6	1494.07	2272.8	747.035
load	N_900060805	constant_power_B	4545.6	1494.07	2272.8	747.035
load	N_900060805	constant_power_A_real	4545.6	0.0	2272.8	0.0
load	N_900060805	constant_power_B_real	4545.6	0.0	2272.8	0.0
load	N_900060805	constant_power_A_reac	1494.07	0.0	747.035	0.0
load	N_900060805	constant_power_B_reac	1494.07	0.0	747.035	0.0
load	N_900060808	constant_power_A	10678.4	3509.83	5339.2	1754.915
load	N_900060808	constant_power_B	10678.4	3509.83	5339.2	1754.915
load	N_900060808	constant_power_A_real	10678.4	0.0	5339.2	0.0
load	N_900060808	constant_power_B_real	10678.4	0.0	5339.2	0.0
load	N_900060808	constant_power_A_reac	3509.83	0.0	1754.915	0.0
load	N_900060808	constant_power_B_reac	3509.83	0.0	1754.915	0.0
load	N_900118139	constant_power_B	963.967	316.841	481.9835	158.4205
load	N_900118139	constant_power_C	963.967	316.841	481.9835	158.4205
load	N_900118139	constant_power_B_real	963.967	0.0	481.9835	0.0
load	N_900118139	constant_power_C_real	963.967	0.0	481.9835	0.0
load	N_900118139	constant_power_B_reac	316.841	0.0	158.4205	0.0
load	N_900118139	constant_power_C_reac	316.841	0.0	158.4205	0.0
load	N_900060749	constant_power_A	3639.8	1196.35	1819.9	598.175
load	N_900060749	constant_power_B	3639.8	1196.35	1819.9	598.175
load	N_900060749	constant_power_C	3639.8	1196.35	1819.9	598.175
load	N_900060749	constant_power_A_real	3639.8	0.0	1819.9	0.0
load	N_900060749	constant_power_B_real	3639.8	0.0	1819.9	0.0
load	N_900060749	constant_power_C_real	3639.8	0.0	1819.9	0.0
load	N_900060749	constant_power_A_reac	1196.35	0.0	598.175	0.0
load	N_900060749	constant_power_B_reac	1196.35	0.0	598.175	0.0
load	N_900060749	constant_power_C_reac	1196.35	0.0	598.175	0.0
load	N_900012910	constant_power_A	19484.3	6404.18	9742.15	3202.09
load	N_900012910	constant_power_B	19484.3	6404.18	9742.15	3202.09
load	N_900012910	constant_power_C	19484.3	6404.18	9742.15	3202.09
load	N_900012910	constant_power_A_real	19484.3	0.0	9742.15	0.0
load	N_900012910	constant_power_B_real	19484.3	0.0	9742.15	0.0
load	N_900012910	constant_power_C_real	19484.3	0.0	9742.15	0.0
load	N_900012910	constant_power_A_reac	6404.18	0.0	3202.09	0.0
load	N_900012910	constant_power_B_reac	6404.18	0.0	3202.09	0.0
load	N_900012910	constant_power_C_reac	6404.18	0.0	3202.09	0.0
load	N_900012910	constant_power_A	1196.65	393.319	598.325	196.6595

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900107633	constant_power_B	1196.65	393.319	598.325	196.6595
load	N_900107633	constant_power_A_real	1196.65	0.0	598.325	0.0
load	N_900107633	constant_power_B_real	1196.65	0.0	598.325	0.0
load	N_900107633	constant_power_A_reac	393.319	0.0	196.6595	0.0
load	N_900107633	constant_power_B_reac	393.319	0.0	196.6595	0.0
load	N_900019944	constant_power_B	15157.5	4982.04	7578.75	2491.02
load	N_900019944	constant_power_C	15157.5	4982.04	7578.75	2491.02
load	N_900019944	constant_power_B_real	15157.5	0.0	7578.75	0.0
load	N_900019944	constant_power_C_real	15157.5	0.0	7578.75	0.0
load	N_900019944	constant_power_B_reac	4982.04	0.0	2491.02	0.0
load	N_900019944	constant_power_C_reac	4982.04	0.0	2491.02	0.0
load	N_900017265	constant_power_A	5933.38	1950.21	2966.69	975.105
load	N_900017265	constant_power_B	5933.38	1950.21	2966.69	975.105
load	N_900017265	constant_power_A_real	5933.38	0.0	2966.69	0.0
load	N_900017265	constant_power_B_real	5933.38	0.0	2966.69	0.0
load	N_900017265	constant_power_A_reac	1950.21	0.0	975.105	0.0
load	N_900017265	constant_power_B_reac	1950.21	0.0	975.105	0.0
load	N_900080985	constant_power_A	17866.6	5872.47	8933.3	2936.235
load	N_900080985	constant_power_B	17866.6	5872.47	8933.3	2936.235
load	N_900080985	constant_power_C	17866.6	5872.47	8933.3	2936.235
load	N_900080985	constant_power_A_real	17866.6	0.0	8933.3	0.0
load	N_900080985	constant_power_B_real	17866.6	0.0	8933.3	0.0
load	N_900080985	constant_power_C_real	17866.6	0.0	8933.3	0.0
load	N_900080985	constant_power_A_reac	5872.47	0.0	2936.235	0.0
load	N_900080985	constant_power_B_reac	5872.47	0.0	2936.235	0.0
load	N_900080985	constant_power_C_reac	5872.47	0.0	2936.235	0.0
load	N_900080980	constant_power_A	17196.3	5652.14	8598.15	2826.07
load	N_900080980	constant_power_B	17196.3	5652.14	8598.15	2826.07
load	N_900080980	constant_power_C	17196.3	5652.14	8598.15	2826.07
load	N_900080980	constant_power_A_real	17196.3	0.0	8598.15	0.0
load	N_900080980	constant_power_B_real	17196.3	0.0	8598.15	0.0
load	N_900080980	constant_power_C_real	17196.3	0.0	8598.15	0.0
load	N_900080980	constant_power_A_reac	5652.14	0.0	2826.07	0.0
load	N_900080980	constant_power_B_reac	5652.14	0.0	2826.07	0.0
load	N_900080980	constant_power_C_reac	5652.14	0.0	2826.07	0.0
load	N_900059303	constant_power_B	2418.23	956.888	1209.115	478.444
load	N_900059303	constant_power_C	2418.23	956.888	1209.115	478.444
load	N_900059303	constant_power_B_real	2418.23	0.0	1209.115	0.0
load	N_900059303	constant_power_C_real	2418.23	0.0	1209.115	0.0
load	N_900059303	constant_power_B_reac	956.888	0.0	478.444	0.0
load	N_900059303	constant_power_C_reac	956.888	0.0	478.444	0.0
load	N_900018502	constant_power_C	6581.56	2163.26	3290.78	1081.63
load	N_900018502	constant_power_C_real	6581.56	0.0	3290.78	0.0
load	N_900018502	constant_power_C_reac	2163.26	0.0	1081.63	0.0
load	N_900081006	constant_power_A	16381.9	5384.47	8190.95	2692.235
load	N_900081006	constant_power_B	16381.9	5384.47	8190.95	2692.235
load	N_900081006	constant_power_C	16381.9	5384.47	8190.95	2692.235
load	N_900081006	constant_power_A_real	16381.9	0.0	8190.95	0.0
load	N_900081006	constant_power_B_real	16381.9	0.0	8190.95	0.0
load	N_900081006	constant_power_C_real	16381.9	0.0	8190.95	0.0
load	N_900081006	constant_power_A_reac	5384.47	0.0	2692.235	0.0
load	N_900081006	constant_power_B_reac	5384.47	0.0	2692.235	0.0
load	N_900081006	constant_power_C_reac	5384.47	0.0	2692.235	0.0
load	N_900080808	constant_power_A	24381.7	8013.88	12190.85	4006.94
load	N_900080808	constant_power_B	24381.7	8013.88	12190.85	4006.94
load	N_900080808	constant_power_A_real	24381.7	0.0	12190.85	0.0
load	N_900080808	constant_power_B_real	24381.7	0.0	12190.85	0.0
load	N_900080808	constant_power_A_reac	8013.88	0.0	4006.94	0.0
load	N_900080808	constant_power_B_reac	8013.88	0.0	4006.94	0.0
load	N_900081005	constant_power_A	4986.03	1638.83	2493.015	819.415
load	N_900081005	constant_power_B	4986.03	1638.83	2493.015	819.415
load	N_900081005	constant_power_C	4986.03	1638.83	2493.015	819.415
load	N_900081005	constant_power_A_real	4986.03	0.0	2493.015	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900081005	constant_power_B_real	4986.03	0.0	2493.015	0.0
load	N_900081005	constant_power_C_real	4986.03	0.0	2493.015	0.0
load	N_900081005	constant_power_A_reac	1638.83	0.0	819.415	0.0
load	N_900081005	constant_power_B_reac	1638.83	0.0	819.415	0.0
load	N_900081005	constant_power_C_reac	1638.83	0.0	819.415	0.0
load	N_900056711	constant_power_A	37544.8	12340.4	18772.4	6170.2
load	N_900056711	constant_power_A_real	37544.8	0.0	18772.4	0.0
load	N_900056711	constant_power_A_reac	12340.4	0.0	6170.2	0.0
load	N_900059366	constant_power_B	2069.2	680.114	1034.6	340.057
load	N_900059366	constant_power_C	2069.2	680.114	1034.6	340.057
load	N_900059366	constant_power_B_real	2069.2	0.0	1034.6	0.0
load	N_900059366	constant_power_C_real	2069.2	0.0	1034.6	0.0
load	N_900059366	constant_power_B_reac	680.114	0.0	340.057	0.0
load	N_900059366	constant_power_C_reac	680.114	0.0	340.057	0.0
load	N_900059367	constant_power_B	8384.85	2755.97	4192.425	1377.985
load	N_900059367	constant_power_C	8384.85	2755.97	4192.425	1377.985
load	N_900059367	constant_power_B_real	8384.85	0.0	4192.425	0.0
load	N_900059367	constant_power_C_real	8384.85	0.0	4192.425	0.0
load	N_900059367	constant_power_B_reac	2755.97	0.0	1377.985	0.0
load	N_900059367	constant_power_C_reac	2755.97	0.0	1377.985	0.0
load	N_920040276	constant_power_A	4470.81	1469.48	2235.405	734.74
load	N_920040276	constant_power_B	4470.81	1469.48	2235.405	734.74
load	N_920040276	constant_power_A_real	4470.81	0.0	2235.405	0.0
load	N_920040276	constant_power_B_real	4470.81	0.0	2235.405	0.0
load	N_920040276	constant_power_A_reac	1469.48	0.0	734.74	0.0
load	N_920040276	constant_power_B_reac	1469.48	0.0	734.74	0.0
load	N_900059365	constant_power_B	1387.78	456.141	693.89	228.0705
load	N_900059365	constant_power_C	1387.78	456.141	693.89	228.0705
load	N_900059365	constant_power_B_real	1387.78	0.0	693.89	0.0
load	N_900059365	constant_power_C_real	1387.78	0.0	693.89	0.0
load	N_900059365	constant_power_B_reac	456.141	0.0	228.0705	0.0
load	N_900059365	constant_power_C_reac	456.141	0.0	228.0705	0.0
load	N_900014665	constant_power_A	5709.01	1876.46	2854.505	938.23
load	N_900014665	constant_power_B	5709.01	1876.46	2854.505	938.23
load	N_900014665	constant_power_A_real	5709.01	0.0	2854.505	0.0
load	N_900014665	constant_power_B_real	5709.01	0.0	2854.505	0.0
load	N_900014665	constant_power_A_reac	1876.46	0.0	938.23	0.0
load	N_900014665	constant_power_B_reac	1876.46	0.0	938.23	0.0
load	N_900059404	constant_power_A	1202.19	395.14	601.095	197.57
load	N_900059404	constant_power_B	1202.19	395.14	601.095	197.57
load	N_900059404	constant_power_C	1202.19	395.14	601.095	197.57
load	N_900059404	constant_power_A_real	1202.19	0.0	601.095	0.0
load	N_900059404	constant_power_B_real	1202.19	0.0	601.095	0.0
load	N_900059404	constant_power_C_real	1202.19	0.0	601.095	0.0
load	N_900059404	constant_power_A_reac	395.14	0.0	197.57	0.0
load	N_900059404	constant_power_B_reac	395.14	0.0	197.57	0.0
load	N_900059404	constant_power_C_reac	395.14	0.0	197.57	0.0
load	N_900059368	constant_power_B	2933.45	964.178	1466.725	482.089
load	N_900059368	constant_power_C	2933.45	964.178	1466.725	482.089
load	N_900059368	constant_power_B_real	2933.45	0.0	1466.725	0.0
load	N_900059368	constant_power_C_real	2933.45	0.0	1466.725	0.0
load	N_900059368	constant_power_B_reac	964.178	0.0	482.089	0.0
load	N_900059368	constant_power_C_reac	964.178	0.0	482.089	0.0
load	N_900059369	constant_power_B	2027.65	666.458	1013.825	333.229
load	N_900059369	constant_power_C	2027.65	666.458	1013.825	333.229
load	N_900059369	constant_power_B_real	2027.65	0.0	1013.825	0.0
load	N_900059369	constant_power_C_real	2027.65	0.0	1013.825	0.0
load	N_900059369	constant_power_B_reac	666.458	0.0	333.229	0.0
load	N_900059369	constant_power_C_reac	666.458	0.0	333.229	0.0
load	N_900059562	constant_power_A	6271.32	2061.28	3135.66	1030.64
load	N_900059562	constant_power_B	6271.32	2061.28	3135.66	1030.64
load	N_900059562	constant_power_C	6271.32	2061.28	3135.66	1030.64
load	N_900059562	constant_power_A_real	6271.32	0.0	3135.66	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059562	constant_power_B_real	6271.32	0.0	3135.66	0.0
load	N_900059562	constant_power_C_real	6271.32	0.0	3135.66	0.0
load	N_900059562	constant_power_A_reac	2061.28	0.0	1030.64	0.0
load	N_900059562	constant_power_B_reac	2061.28	0.0	1030.64	0.0
load	N_900059562	constant_power_C_reac	2061.28	0.0	1030.64	0.0
load	N_900059563	constant_power_A	11260.1	3701.02	5630.05	1850.51
load	N_900059563	constant_power_B	11260.1	3701.02	5630.05	1850.51
load	N_900059563	constant_power_A_real	11260.1	0.0	5630.05	0.0
load	N_900059563	constant_power_B_real	11260.1	0.0	5630.05	0.0
load	N_900059563	constant_power_A_reac	3701.02	0.0	1850.51	0.0
load	N_900059563	constant_power_B_reac	3701.02	0.0	1850.51	0.0
load	N_900059567	constant_power_A	1271.44	417.902	635.72	208.951
load	N_900059567	constant_power_B	1271.44	417.902	635.72	208.951
load	N_900059567	constant_power_A_real	1271.44	0.0	635.72	0.0
load	N_900059567	constant_power_B_real	1271.44	0.0	635.72	0.0
load	N_900059567	constant_power_A_reac	417.902	0.0	208.951	0.0
load	N_900059567	constant_power_B_reac	417.902	0.0	208.951	0.0
load	N_900059569	constant_power_A	3880.8	1275.56	1940.4	637.78
load	N_900059569	constant_power_B	3880.8	1275.56	1940.4	637.78
load	N_900059569	constant_power_A_real	3880.8	0.0	1940.4	0.0
load	N_900059569	constant_power_B_real	3880.8	0.0	1940.4	0.0
load	N_900059569	constant_power_A_reac	1275.56	0.0	637.78	0.0
load	N_900059569	constant_power_B_reac	1275.56	0.0	637.78	0.0
load	N_900114657	constant_power_B	1570.6	516.232	785.3	258.116
load	N_900114657	constant_power_C	1570.6	516.232	785.3	258.116
load	N_900114657	constant_power_B_real	1570.6	0.0	785.3	0.0
load	N_900114657	constant_power_C_real	1570.6	0.0	785.3	0.0
load	N_900114657	constant_power_B_reac	516.232	0.0	258.116	0.0
load	N_900114657	constant_power_C_reac	516.232	0.0	258.116	0.0
load	N_900059227	constant_power_B	2767.25	909.551	1383.625	454.7755
load	N_900059227	constant_power_C	2767.25	909.551	1383.625	454.7755
load	N_900059227	constant_power_B_real	2767.25	0.0	1383.625	0.0
load	N_900059227	constant_power_C_real	2767.25	0.0	1383.625	0.0
load	N_900059227	constant_power_B_reac	909.551	0.0	454.7755	0.0
load	N_900059227	constant_power_C_reac	909.551	0.0	454.7755	0.0
load	N_900021186	constant_power_A	2553.96	839.445	1276.98	419.7225
load	N_900021186	constant_power_B	2553.96	839.445	1276.98	419.7225
load	N_900021186	constant_power_C	2553.96	839.445	1276.98	419.7225
load	N_900021186	constant_power_A_real	2553.96	0.0	1276.98	0.0
load	N_900021186	constant_power_B_real	2553.96	0.0	1276.98	0.0
load	N_900021186	constant_power_C_real	2553.96	0.0	1276.98	0.0
load	N_900021186	constant_power_A_reac	839.445	0.0	419.7225	0.0
load	N_900021186	constant_power_B_reac	839.445	0.0	419.7225	0.0
load	N_900021186	constant_power_C_reac	839.445	0.0	419.7225	0.0
load	N_900021181	constant_power_A	4758.89	1564.17	2379.445	782.085
load	N_900021181	constant_power_B	4758.89	1564.17	2379.445	782.085
load	N_900021181	constant_power_C	4758.89	1564.17	2379.445	782.085
load	N_900021181	constant_power_A_real	4758.89	0.0	2379.445	0.0
load	N_900021181	constant_power_B_real	4758.89	0.0	2379.445	0.0
load	N_900021181	constant_power_C_real	4758.89	0.0	2379.445	0.0
load	N_900021181	constant_power_A_reac	1564.17	0.0	782.085	0.0
load	N_900021181	constant_power_B_reac	1564.17	0.0	782.085	0.0
load	N_900021181	constant_power_C_reac	1564.17	0.0	782.085	0.0
load	N_900056792	constant_power_A	7805.91	2565.68	3902.955	1282.84
load	N_900056792	constant_power_B	7805.91	2565.68	3902.955	1282.84
load	N_900056792	constant_power_C	7805.91	2565.68	3902.955	1282.84
load	N_900056792	constant_power_A_real	7805.91	0.0	3902.955	0.0
load	N_900056792	constant_power_B_real	7805.91	0.0	3902.955	0.0
load	N_900056792	constant_power_C_real	7805.91	0.0	3902.955	0.0
load	N_900056792	constant_power_A_reac	2565.68	0.0	1282.84	0.0
load	N_900056792	constant_power_B_reac	2565.68	0.0	1282.84	0.0
load	N_900056792	constant_power_C_reac	2565.68	0.0	1282.84	0.0
load	N_900041364	constant_power_B	1662.01	546.277	831.005	273.1385

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900041364	constant_power_C	1662.01	546.277	831.005	273.1385
load	N_900041364	constant_power_B_real	1662.01	0.0	831.005	0.0
load	N_900041364	constant_power_C_real	1662.01	0.0	831.005	0.0
load	N_900041364	constant_power_B_reac	546.277	0.0	273.1385	0.0
load	N_900041364	constant_power_C_reac	546.277	0.0	273.1385	0.0
load	N_900056790	constant_power_A	2249.26	739.294	1124.63	369.647
load	N_900056790	constant_power_B	2249.26	739.294	1124.63	369.647
load	N_900056790	constant_power_C	2249.26	739.294	1124.63	369.647
load	N_900056790	constant_power_A_real	2249.26	0.0	1124.63	0.0
load	N_900056790	constant_power_B_real	2249.26	0.0	1124.63	0.0
load	N_900056790	constant_power_C_real	2249.26	0.0	1124.63	0.0
load	N_900056790	constant_power_A_reac	739.294	0.0	369.647	0.0
load	N_900056790	constant_power_B_reac	739.294	0.0	369.647	0.0
load	N_900056790	constant_power_C_reac	739.294	0.0	369.647	0.0
load	N_900058993	constant_power_B	4005.45	1316.53	2002.725	658.265
load	N_900058993	constant_power_C	4005.45	1316.53	2002.725	658.265
load	N_900058993	constant_power_B_real	4005.45	0.0	2002.725	0.0
load	N_900058993	constant_power_C_real	4005.45	0.0	2002.725	0.0
load	N_900058993	constant_power_B_reac	1316.53	0.0	658.265	0.0
load	N_900058993	constant_power_C_reac	1316.53	0.0	658.265	0.0
load	N_900058109	constant_power_B	1246.51	409.708	623.255	204.854
load	N_900058109	constant_power_C	1246.51	409.708	623.255	204.854
load	N_900058109	constant_power_B_real	1246.51	0.0	623.255	0.0
load	N_900058109	constant_power_C_real	1246.51	0.0	623.255	0.0
load	N_900058109	constant_power_B_reac	409.708	0.0	204.854	0.0
load	N_900058109	constant_power_C_reac	409.708	0.0	204.854	0.0
load	N_900002453	constant_power_A	6357.19	2089.51	3178.595	1044.755
load	N_900002453	constant_power_B	6357.19	2089.51	3178.595	1044.755
load	N_900002453	constant_power_A_real	6357.19	0.0	3178.595	0.0
load	N_900002453	constant_power_B_real	6357.19	0.0	3178.595	0.0
load	N_900002453	constant_power_A_reac	2089.51	0.0	1044.755	0.0
load	N_900002453	constant_power_B_reac	2089.51	0.0	1044.755	0.0
load	N_900059313	constant_power_B	473.673	155.689	236.8365	77.8445
load	N_900059313	constant_power_C	473.673	155.689	236.8365	77.8445
load	N_900059313	constant_power_B_real	473.673	0.0	236.8365	0.0
load	N_900059313	constant_power_C_real	473.673	0.0	236.8365	0.0
load	N_900059313	constant_power_B_reac	155.689	0.0	77.8445	0.0
load	N_900059313	constant_power_C_reac	155.689	0.0	77.8445	0.0
load	N_900117771	constant_power_A	4030.38	1324.72	2015.19	662.36
load	N_900117771	constant_power_B	4030.38	1324.72	2015.19	662.36
load	N_900117771	constant_power_A_real	4030.38	0.0	2015.19	0.0
load	N_900117771	constant_power_B_real	4030.38	0.0	2015.19	0.0
load	N_900117771	constant_power_A_reac	1324.72	0.0	662.36	0.0
load	N_900117771	constant_power_B_reac	1324.72	0.0	662.36	0.0
load	N_900052443	constant_power_B	1595.53	988.821	797.765	494.4105
load	N_900052443	constant_power_C	1595.53	988.821	797.765	494.4105
load	N_900052443	constant_power_B_real	1595.53	0.0	797.765	0.0
load	N_900052443	constant_power_C_real	1595.53	0.0	797.765	0.0
load	N_900052443	constant_power_B_reac	988.821	0.0	494.4105	0.0
load	N_900052443	constant_power_C_reac	988.821	0.0	494.4105	0.0
load	N_900056709	constant_power_A	10215.8	3357.78	5107.9	1678.89
load	N_900056709	constant_power_B	10215.8	3357.78	5107.9	1678.89
load	N_900056709	constant_power_C	10215.8	3357.78	5107.9	1678.89
load	N_900056709	constant_power_A_real	10215.8	0.0	5107.9	0.0
load	N_900056709	constant_power_B_real	10215.8	0.0	5107.9	0.0
load	N_900056709	constant_power_C_real	10215.8	0.0	5107.9	0.0
load	N_900056709	constant_power_A_reac	3357.78	0.0	1678.89	0.0
load	N_900056709	constant_power_B_reac	3357.78	0.0	1678.89	0.0
load	N_900056709	constant_power_C_reac	3357.78	0.0	1678.89	0.0
load	N_900192291	constant_power_B	3855.87	2389.65	1927.935	1194.825
load	N_900192291	constant_power_C	3855.87	2389.65	1927.935	1194.825
load	N_900192291	constant_power_B_real	3855.87	0.0	1927.935	0.0
load	N_900192291	constant_power_C_real	3855.87	0.0	1927.935	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900192291	constant_power_B_reac	2389.65	0.0	1194.825	0.0
load	N_900192291	constant_power_C_reac	2389.65	0.0	1194.825	0.0
load	N_900059137	constant_power_B	1030.45	338.692	515.225	169.346
load	N_900059137	constant_power_C	1030.45	338.692	515.225	169.346
load	N_900059137	constant_power_B_real	1030.45	0.0	515.225	0.0
load	N_900059137	constant_power_C_real	1030.45	0.0	515.225	0.0
load	N_900059137	constant_power_B_reac	338.692	0.0	169.346	0.0
load	N_900059137	constant_power_C_reac	338.692	0.0	169.346	0.0
load	N_900032412	constant_power_B	3681.36	1945.3	1840.68	972.65
load	N_900032412	constant_power_C	3681.36	1945.3	1840.68	972.65
load	N_900032412	constant_power_B_real	3681.36	0.0	1840.68	0.0
load	N_900032412	constant_power_C_real	3681.36	0.0	1840.68	0.0
load	N_900032412	constant_power_B_reac	1945.3	0.0	972.65	0.0
load	N_900032412	constant_power_C_reac	1945.3	0.0	972.65	0.0
load	N_900037130	constant_power_A	7333.33	4544.79	3666.665	2272.395
load	N_900037130	constant_power_B	7333.33	4544.79	3666.665	2272.395
load	N_900037130	constant_power_C	7333.33	4544.79	3666.665	2272.395
load	N_900037130	constant_power_A_real	7333.33	0.0	3666.665	0.0
load	N_900037130	constant_power_B_real	7333.33	0.0	3666.665	0.0
load	N_900037130	constant_power_C_real	7333.33	0.0	3666.665	0.0
load	N_900037130	constant_power_A_reac	4544.79	0.0	2272.395	0.0
load	N_900037130	constant_power_B_reac	4544.79	0.0	2272.395	0.0
load	N_900037130	constant_power_C_reac	4544.79	0.0	2272.395	0.0
load	N_900060843	constant_power_A	1977.79	650.069	988.895	325.0345
load	N_900060843	constant_power_B	1977.79	650.069	988.895	325.0345
load	N_900060843	constant_power_A_real	1977.79	0.0	988.895	0.0
load	N_900060843	constant_power_B_real	1977.79	0.0	988.895	0.0
load	N_900060843	constant_power_A_reac	650.069	0.0	325.0345	0.0
load	N_900060843	constant_power_B_reac	650.069	0.0	325.0345	0.0
load	N_900058920	constant_power_B	3083.03	1013.34	1541.515	506.67
load	N_900058920	constant_power_C	3083.03	1013.34	1541.515	506.67
load	N_900058920	constant_power_B_real	3083.03	0.0	1541.515	0.0
load	N_900058920	constant_power_C_real	3083.03	0.0	1541.515	0.0
load	N_900058920	constant_power_B_reac	1013.34	0.0	506.67	0.0
load	N_900058920	constant_power_C_reac	1013.34	0.0	506.67	0.0
load	N_900081045	constant_power_A	7312.85	2403.62	3656.425	1201.81
load	N_900081045	constant_power_B	7312.85	2403.62	3656.425	1201.81
load	N_900081045	constant_power_A_real	7312.85	0.0	3656.425	0.0
load	N_900081045	constant_power_B_real	7312.85	0.0	3656.425	0.0
load	N_900081045	constant_power_A_reac	2403.62	0.0	1201.81	0.0
load	N_900081045	constant_power_B_reac	2403.62	0.0	1201.81	0.0
load	N_920040184	constant_power_A	1628.77	535.351	814.385	267.6755
load	N_920040184	constant_power_B	1628.77	535.351	814.385	267.6755
load	N_920040184	constant_power_C	1628.77	535.351	814.385	267.6755
load	N_920040184	constant_power_A_real	1628.77	0.0	814.385	0.0
load	N_920040184	constant_power_B_real	1628.77	0.0	814.385	0.0
load	N_920040184	constant_power_C_real	1628.77	0.0	814.385	0.0
load	N_920040184	constant_power_A_reac	535.351	0.0	267.6755	0.0
load	N_920040184	constant_power_B_reac	535.351	0.0	267.6755	0.0
load	N_920040184	constant_power_C_reac	535.351	0.0	267.6755	0.0
load	N_900061000	constant_power_A	2717.39	893.163	1358.695	446.5815
load	N_900061000	constant_power_B	2717.39	893.163	1358.695	446.5815
load	N_900061000	constant_power_A_real	2717.39	0.0	1358.695	0.0
load	N_900061000	constant_power_B_real	2717.39	0.0	1358.695	0.0
load	N_900061000	constant_power_A_reac	893.163	0.0	446.5815	0.0
load	N_900061000	constant_power_B_reac	893.163	0.0	446.5815	0.0
load	N_900061002	constant_power_A	2509.64	824.878	1254.82	412.439
load	N_900061002	constant_power_B	2509.64	824.878	1254.82	412.439
load	N_900061002	constant_power_A_real	2509.64	0.0	1254.82	0.0
load	N_900061002	constant_power_B_real	2509.64	0.0	1254.82	0.0
load	N_900061002	constant_power_A_reac	824.878	0.0	412.439	0.0
load	N_900061002	constant_power_B_reac	824.878	0.0	412.439	0.0
load	N_900059635	constant_power_A	3351.72	1114.56	1675.86	557.28

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059635	constant_power_B	3351.72	1114.56	1675.86	557.28
load	N_900059635	constant_power_C	3351.72	1114.56	1675.86	557.28
load	N_900059635	constant_power_A_real	3351.72	0.0	1675.86	0.0
load	N_900059635	constant_power_B_real	3351.72	0.0	1675.86	0.0
load	N_900059635	constant_power_C_real	3351.72	0.0	1675.86	0.0
load	N_900059635	constant_power_A_reac	1114.56	0.0	557.28	0.0
load	N_900059635	constant_power_B_reac	1114.56	0.0	557.28	0.0
load	N_900059635	constant_power_C_reac	1114.56	0.0	557.28	0.0
load	N_900059141	constant_power_B	3373.88	1108.94	1686.94	554.47
load	N_900059141	constant_power_C	3373.88	1108.94	1686.94	554.47
load	N_900059141	constant_power_B_real	3373.88	0.0	1686.94	0.0
load	N_900059141	constant_power_C_real	3373.88	0.0	1686.94	0.0
load	N_900059141	constant_power_B_reac	1108.94	0.0	554.47	0.0
load	N_900059141	constant_power_C_reac	1108.94	0.0	554.47	0.0
load	N_900063495	constant_power_B	1553.98	510.769	776.99	255.3845
load	N_900063495	constant_power_C	1553.98	510.769	776.99	255.3845
load	N_900063495	constant_power_B_real	1553.98	0.0	776.99	0.0
load	N_900063495	constant_power_C_real	1553.98	0.0	776.99	0.0
load	N_900063495	constant_power_B_reac	510.769	0.0	255.3845	0.0
load	N_900063495	constant_power_C_reac	510.769	0.0	255.3845	0.0
load	N_600028719	constant_power_C	8027.52	2764.29	4013.76	1382.145
load	N_600028719	constant_power_C_real	8027.52	0.0	4013.76	0.0
load	N_600028719	constant_power_C_reac	2764.29	0.0	1382.145	0.0
load	N_900042347	constant_power_A	13441.3	8007.7	6720.65	4003.85
load	N_900042347	constant_power_B	13441.3	8007.7	6720.65	4003.85
load	N_900042347	constant_power_C	13441.3	8007.7	6720.65	4003.85
load	N_900042347	constant_power_A_real	13441.3	0.0	6720.65	0.0
load	N_900042347	constant_power_B_real	13441.3	0.0	6720.65	0.0
load	N_900042347	constant_power_C_real	13441.3	0.0	6720.65	0.0
load	N_900042347	constant_power_A_reac	8007.7	0.0	4003.85	0.0
load	N_900042347	constant_power_B_reac	8007.7	0.0	4003.85	0.0
load	N_900042347	constant_power_C_reac	8007.7	0.0	4003.85	0.0
load	N_900042348	constant_power_A	14000.0	8676.42	7000.0	4338.21
load	N_900042348	constant_power_B	14000.0	8676.42	7000.0	4338.21
load	N_900042348	constant_power_C	14000.0	8676.42	7000.0	4338.21
load	N_900042348	constant_power_A_real	14000.0	0.0	7000.0	0.0
load	N_900042348	constant_power_B_real	14000.0	0.0	7000.0	0.0
load	N_900042348	constant_power_C_real	14000.0	0.0	7000.0	0.0
load	N_900042348	constant_power_A_reac	8676.42	0.0	4338.21	0.0
load	N_900042348	constant_power_B_reac	8676.42	0.0	4338.21	0.0
load	N_900042348	constant_power_C_reac	8676.42	0.0	4338.21	0.0
load	N_900041367	constant_power_B	5883.52	1933.82	2941.76	966.91
load	N_900041367	constant_power_C	5883.52	1933.82	2941.76	966.91
load	N_900041367	constant_power_B_real	5883.52	0.0	2941.76	0.0
load	N_900041367	constant_power_C_real	5883.52	0.0	2941.76	0.0
load	N_900041367	constant_power_B_reac	1933.82	0.0	966.91	0.0
load	N_900041367	constant_power_C_reac	1933.82	0.0	966.91	0.0
load	N_900041366	constant_power_B	515.224	169.346	257.612	84.673
load	N_900041366	constant_power_C	515.224	169.346	257.612	84.673
load	N_900041366	constant_power_B_real	515.224	0.0	257.612	0.0
load	N_900041366	constant_power_C_real	515.224	0.0	257.612	0.0
load	N_900041366	constant_power_B_reac	169.346	0.0	84.673	0.0
load	N_900041366	constant_power_C_reac	169.346	0.0	84.673	0.0
load	N_900081912	constant_power_A	21764.0	7153.49	10882.0	3576.745
load	N_900081912	constant_power_B	21764.0	7153.49	10882.0	3576.745
load	N_900081912	constant_power_A_real	21764.0	0.0	10882.0	0.0
load	N_900081912	constant_power_B_real	21764.0	0.0	10882.0	0.0
load	N_900081912	constant_power_A_reac	7153.49	0.0	3576.745	0.0
load	N_900081912	constant_power_B_reac	7153.49	0.0	3576.745	0.0
load	N_900081913	constant_power_A	16744.8	5503.74	8372.4	2751.87
load	N_900081913	constant_power_B	16744.8	5503.74	8372.4	2751.87
load	N_900081913	constant_power_A_real	16744.8	0.0	8372.4	0.0
load	N_900081913	constant_power_B_real	16744.8	0.0	8372.4	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900081913	constant_power_A_reac	5503.74	0.0	2751.87	0.0
load	N_900081913	constant_power_B_reac	5503.74	0.0	2751.87	0.0
load	N_900081914	constant_power_A	12373.7	4067.03	6186.85	2033.515
load	N_900081914	constant_power_B	12373.7	4067.03	6186.85	2033.515
load	N_900081914	constant_power_A_real	12373.7	0.0	6186.85	0.0
load	N_900081914	constant_power_B_real	12373.7	0.0	6186.85	0.0
load	N_900081914	constant_power_A_reac	4067.03	0.0	2033.515	0.0
load	N_900081914	constant_power_B_reac	4067.03	0.0	2033.515	0.0
load	N_900056678	constant_power_A	20088.2	6602.66	10044.1	3301.33
load	N_900056678	constant_power_B	20088.2	6602.66	10044.1	3301.33
load	N_900056678	constant_power_C	20088.2	6602.66	10044.1	3301.33
load	N_900056678	constant_power_A_real	20088.2	0.0	10044.1	0.0
load	N_900056678	constant_power_B_real	20088.2	0.0	10044.1	0.0
load	N_900056678	constant_power_C_real	20088.2	0.0	10044.1	0.0
load	N_900056678	constant_power_A_reac	6602.66	0.0	3301.33	0.0
load	N_900056678	constant_power_B_reac	6602.66	0.0	3301.33	0.0
load	N_900056678	constant_power_C_reac	6602.66	0.0	3301.33	0.0
load	N_900019959	constant_power_B	548.464	180.271	274.232	90.1355
load	N_900019959	constant_power_C	548.464	180.271	274.232	90.1355
load	N_900019959	constant_power_B_real	548.464	0.0	274.232	0.0
load	N_900019959	constant_power_C_real	548.464	0.0	274.232	0.0
load	N_900019959	constant_power_B_reac	180.271	0.0	90.1355	0.0
load	N_900019959	constant_power_C_reac	180.271	0.0	90.1355	0.0
load	N_900019958	constant_power_B	2742.32	901.357	1371.16	450.6785
load	N_900019958	constant_power_C	2742.32	901.357	1371.16	450.6785
load	N_900019958	constant_power_B_real	2742.32	0.0	1371.16	0.0
load	N_900019958	constant_power_C_real	2742.32	0.0	1371.16	0.0
load	N_900019958	constant_power_B_reac	901.357	0.0	450.6785	0.0
load	N_900019958	constant_power_C_reac	901.357	0.0	450.6785	0.0
load	N_900056671	constant_power_A	27074.2	8898.85	13537.1	4449.425
load	N_900056671	constant_power_A_real	27074.2	0.0	13537.1	0.0
load	N_900056671	constant_power_A_reac	8898.85	0.0	4449.425	0.0
load	N_900018686	constant_power_B	4038.69	1528.21	2019.345	764.105
load	N_900018686	constant_power_C	4038.69	1528.21	2019.345	764.105
load	N_900018686	constant_power_B_real	4038.69	0.0	2019.345	0.0
load	N_900018686	constant_power_C_real	4038.69	0.0	2019.345	0.0
load	N_900018686	constant_power_B_reac	1528.21	0.0	764.105	0.0
load	N_900018686	constant_power_C_reac	1528.21	0.0	764.105	0.0
load	N_900056677	constant_power_A	17456.7	5737.73	8728.35	2868.865
load	N_900056677	constant_power_B	17456.7	5737.73	8728.35	2868.865
load	N_900056677	constant_power_C	17456.7	5737.73	8728.35	2868.865
load	N_900056677	constant_power_A_real	17456.7	0.0	8728.35	0.0
load	N_900056677	constant_power_B_real	17456.7	0.0	8728.35	0.0
load	N_900056677	constant_power_C_real	17456.7	0.0	8728.35	0.0
load	N_900056677	constant_power_A_reac	5737.73	0.0	2868.865	0.0
load	N_900056677	constant_power_B_reac	5737.73	0.0	2868.865	0.0
load	N_900056677	constant_power_C_reac	5737.73	0.0	2868.865	0.0
load	N_900080961	constant_power_A	4443.11	1460.38	2221.555	730.19
load	N_900080961	constant_power_B	4443.11	1460.38	2221.555	730.19
load	N_900080961	constant_power_C	4443.11	1460.38	2221.555	730.19
load	N_900080961	constant_power_A_real	4443.11	0.0	2221.555	0.0
load	N_900080961	constant_power_B_real	4443.11	0.0	2221.555	0.0
load	N_900080961	constant_power_C_real	4443.11	0.0	2221.555	0.0
load	N_900080961	constant_power_A_reac	1460.38	0.0	730.19	0.0
load	N_900080961	constant_power_B_reac	1460.38	0.0	730.19	0.0
load	N_900080961	constant_power_C_reac	1460.38	0.0	730.19	0.0
load	N_900080967	constant_power_A	9008.1	2960.82	4504.05	1480.41
load	N_900080967	constant_power_B	9008.1	2960.82	4504.05	1480.41
load	N_900080967	constant_power_C	9008.1	2960.82	4504.05	1480.41
load	N_900080967	constant_power_A_real	9008.1	0.0	4504.05	0.0
load	N_900080967	constant_power_B_real	9008.1	0.0	4504.05	0.0
load	N_900080967	constant_power_C_real	9008.1	0.0	4504.05	0.0
load	N_900080967	constant_power_A_reac	2960.82	0.0	1480.41	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900080967	constant_power_B_reac	2960.82	0.0	1480.41	0.0
load	N_900080967	constant_power_C_reac	2960.82	0.0	1480.41	0.0
load	N_900080968	constant_power_A	12021.9	3951.4	6010.95	1975.7
load	N_900080968	constant_power_B	12021.9	3951.4	6010.95	1975.7
load	N_900080968	constant_power_C	12021.9	3951.4	6010.95	1975.7
load	N_900080968	constant_power_A_real	12021.9	0.0	6010.95	0.0
load	N_900080968	constant_power_B_real	12021.9	0.0	6010.95	0.0
load	N_900080968	constant_power_C_real	12021.9	0.0	6010.95	0.0
load	N_900080968	constant_power_A_reac	3951.4	0.0	1975.7	0.0
load	N_900080968	constant_power_B_reac	3951.4	0.0	1975.7	0.0
load	N_900080968	constant_power_C_reac	3951.4	0.0	1975.7	0.0
load	N_900012626	constant_power_A	36666.7	16666.7	18333.35	8333.35
load	N_900012626	constant_power_B	36666.7	16666.7	18333.35	8333.35
load	N_900012626	constant_power_C	36666.7	16666.7	18333.35	8333.35
load	N_900012626	constant_power_A_real	36666.7	0.0	18333.35	0.0
load	N_900012626	constant_power_B_real	36666.7	0.0	18333.35	0.0
load	N_900012626	constant_power_C_real	36666.7	0.0	18333.35	0.0
load	N_900012626	constant_power_A_reac	16666.7	0.0	8333.35	0.0
load	N_900012626	constant_power_B_reac	16666.7	0.0	8333.35	0.0
load	N_900012626	constant_power_C_reac	16666.7	0.0	8333.35	0.0
load	N_900080684	constant_power_A	6548.32	2152.33	3274.16	1076.165
load	N_900080684	constant_power_B	6548.32	2152.33	3274.16	1076.165
load	N_900080684	constant_power_A_real	6548.32	0.0	3274.16	0.0
load	N_900080684	constant_power_B_real	6548.32	0.0	3274.16	0.0
load	N_900080684	constant_power_A_reac	2152.33	0.0	1076.165	0.0
load	N_900080684	constant_power_B_reac	2152.33	0.0	1076.165	0.0
load	N_900019790	constant_power_A	20401.2	6705.55	10200.6	3352.775
load	N_900019790	constant_power_B	20401.2	6705.55	10200.6	3352.775
load	N_900019790	constant_power_A_real	20401.2	0.0	10200.6	0.0
load	N_900019790	constant_power_B_real	20401.2	0.0	10200.6	0.0
load	N_900019790	constant_power_A_reac	6705.55	0.0	3352.775	0.0
load	N_900019790	constant_power_B_reac	6705.55	0.0	3352.775	0.0
load	N_900059539	constant_power_B	3174.44	1043.39	1587.22	521.695
load	N_900059539	constant_power_C	3174.44	1043.39	1587.22	521.695
load	N_900059539	constant_power_B_real	3174.44	0.0	1587.22	0.0
load	N_900059539	constant_power_C_real	3174.44	0.0	1587.22	0.0
load	N_900059539	constant_power_B_reac	1043.39	0.0	521.695	0.0
load	N_900059539	constant_power_C_reac	1043.39	0.0	521.695	0.0
load	N_900059520	constant_power_A	8368.23	2750.5	4184.115	1375.25
load	N_900059520	constant_power_B	8368.23	2750.5	4184.115	1375.25
load	N_900059520	constant_power_A_real	8368.23	0.0	4184.115	0.0
load	N_900059520	constant_power_B_real	8368.23	0.0	4184.115	0.0
load	N_900059520	constant_power_A_reac	2750.5	0.0	1375.25	0.0
load	N_900059520	constant_power_B_reac	2750.5	0.0	1375.25	0.0
load	N_900108933	constant_power_A	12666.7	7850.09	6333.35	3925.045
load	N_900108933	constant_power_B	12666.7	7850.09	6333.35	3925.045
load	N_900108933	constant_power_C	12666.7	7850.09	6333.35	3925.045
load	N_900108933	constant_power_A_real	12666.7	0.0	6333.35	0.0
load	N_900108933	constant_power_B_real	12666.7	0.0	6333.35	0.0
load	N_900108933	constant_power_C_real	12666.7	0.0	6333.35	0.0
load	N_900108933	constant_power_A_reac	7850.09	0.0	3925.045	0.0
load	N_900108933	constant_power_B_reac	7850.09	0.0	3925.045	0.0
load	N_900108933	constant_power_C_reac	7850.09	0.0	3925.045	0.0
load	N_900001957	constant_power_A	4005.45	1316.53	2002.725	658.265
load	N_900001957	constant_power_B	4005.45	1316.53	2002.725	658.265
load	N_900001957	constant_power_A_real	4005.45	0.0	2002.725	0.0
load	N_900001957	constant_power_B_real	4005.45	0.0	2002.725	0.0
load	N_900001957	constant_power_A_reac	1316.53	0.0	658.265	0.0
load	N_900001957	constant_power_B_reac	1316.53	0.0	658.265	0.0
load	N_900057195	constant_power_A	4758.89	2949.3	2379.445	1474.65
load	N_900057195	constant_power_B	4758.89	2949.3	2379.445	1474.65
load	N_900057195	constant_power_C	4758.89	2949.3	2379.445	1474.65
load	N_900057195	constant_power_A_real	4758.89	0.0	2379.445	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900057195	constant_power_B_real	4758.89	0.0	2379.445	0.0
load	N_900057195	constant_power_C_real	4758.89	0.0	2379.445	0.0
load	N_900057195	constant_power_A_reac	2949.3	0.0	1474.65	0.0
load	N_900057195	constant_power_B_reac	2949.3	0.0	1474.65	0.0
load	N_900057195	constant_power_C_reac	2949.3	0.0	1474.65	0.0
load	N_900007168	constant_power_C	4088.55	1343.84	2044.275	671.92
load	N_900007168	constant_power_C_real	4088.55	0.0	2044.275	0.0
load	N_900007168	constant_power_C_reac	1343.84	0.0	671.92	0.0
load	N_900060740	constant_power_A	1686.94	593.171	843.47	296.5855
load	N_900060740	constant_power_B	1686.94	593.171	843.47	296.5855
load	N_900060740	constant_power_A_real	1686.94	0.0	843.47	0.0
load	N_900060740	constant_power_B_real	1686.94	0.0	843.47	0.0
load	N_900060740	constant_power_A_reac	593.171	0.0	296.5855	0.0
load	N_900060740	constant_power_B_reac	593.171	0.0	296.5855	0.0
load	N_900056675	constant_power_A	19794.6	6506.16	9897.3	3253.08
load	N_900056675	constant_power_A_real	19794.6	0.0	9897.3	0.0
load	N_900056675	constant_power_A_reac	6506.16	0.0	3253.08	0.0
load	N_900007161	constant_power_C	1163.41	382.394	581.705	191.197
load	N_900007161	constant_power_C_real	1163.41	0.0	581.705	0.0
load	N_900007161	constant_power_C_reac	382.394	0.0	191.197	0.0
load	N_900007160	constant_power_B	7678.49	2523.8	3839.245	1261.9
load	N_900007160	constant_power_C	7678.49	2523.8	3839.245	1261.9
load	N_900007160	constant_power_B_real	7678.49	0.0	3839.245	0.0
load	N_900007160	constant_power_C_real	7678.49	0.0	3839.245	0.0
load	N_900007160	constant_power_B_reac	2523.8	0.0	1261.9	0.0
load	N_900007160	constant_power_C_reac	2523.8	0.0	1261.9	0.0
load	N_900114184	constant_power_A	4304.61	1414.86	2152.305	707.43
load	N_900114184	constant_power_B	4304.61	1414.86	2152.305	707.43
load	N_900114184	constant_power_A_real	4304.61	0.0	2152.305	0.0
load	N_900114184	constant_power_B_real	4304.61	0.0	2152.305	0.0
load	N_900114184	constant_power_A_reac	1414.86	0.0	707.43	0.0
load	N_900114184	constant_power_B_reac	1414.86	0.0	707.43	0.0
load	N_900058358	constant_power_A	5459.71	1794.52	2729.855	897.26
load	N_900058358	constant_power_B	5459.71	1794.52	2729.855	897.26
load	N_900058358	constant_power_A_real	5459.71	0.0	2729.855	0.0
load	N_900058358	constant_power_B_real	5459.71	0.0	2729.855	0.0
load	N_900058358	constant_power_A_reac	1794.52	0.0	897.26	0.0
load	N_900058358	constant_power_B_reac	1794.52	0.0	897.26	0.0
load	N_900059224	constant_power_B	3756.15	1234.59	1878.075	617.295
load	N_900059224	constant_power_C	3756.15	1234.59	1878.075	617.295
load	N_900059224	constant_power_B_real	3756.15	0.0	1878.075	0.0
load	N_900059224	constant_power_C_real	3756.15	0.0	1878.075	0.0
load	N_900059224	constant_power_B_reac	1234.59	0.0	617.295	0.0
load	N_900059224	constant_power_C_reac	1234.59	0.0	617.295	0.0
load	N_900008941	constant_power_A	17442.8	5733.17	8721.4	2866.585
load	N_900008941	constant_power_B	17442.8	5733.17	8721.4	2866.585
load	N_900008941	constant_power_A_real	17442.8	0.0	8721.4	0.0
load	N_900008941	constant_power_B_real	17442.8	0.0	8721.4	0.0
load	N_900008941	constant_power_A_reac	5733.17	0.0	2866.585	0.0
load	N_900008941	constant_power_B_reac	5733.17	0.0	2866.585	0.0
load	N_900002416	constant_power_A	14634.0	4809.97	7317.0	2404.985
load	N_900002416	constant_power_B	14634.0	4809.97	7317.0	2404.985
load	N_900002416	constant_power_A_real	14634.0	0.0	7317.0	0.0
load	N_900002416	constant_power_B_real	14634.0	0.0	7317.0	0.0
load	N_900002416	constant_power_A_reac	4809.97	0.0	2404.985	0.0
load	N_900002416	constant_power_B_reac	4809.97	0.0	2404.985	0.0
load	N_900002412	constant_power_A	5709.01	1876.46	2854.505	938.23
load	N_900002412	constant_power_B	5709.01	1876.46	2854.505	938.23
load	N_900002412	constant_power_A_real	5709.01	0.0	2854.505	0.0
load	N_900002412	constant_power_B_real	5709.01	0.0	2854.505	0.0
load	N_900002412	constant_power_A_reac	1876.46	0.0	938.23	0.0
load	N_900002412	constant_power_B_reac	1876.46	0.0	938.23	0.0
load	N_900060967	constant_power_C	6166.06	2026.69	3083.03	1013.345

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900060967	constant_power_C_real	6166.06	0.0	3083.03	0.0
load	N_900060967	constant_power_C_reac	2026.69	0.0	1013.345	0.0
load	N_900059293	constant_power_C	4836.45	1589.67	2418.225	794.835
load	N_900059293	constant_power_C_real	4836.45	0.0	2418.225	0.0
load	N_900059293	constant_power_C_reac	1589.67	0.0	794.835	0.0
load	N_900059291	constant_power_C	4736.73	1556.89	2368.365	778.445
load	N_900059291	constant_power_C_real	4736.73	0.0	2368.365	0.0
load	N_900059291	constant_power_C_reac	1556.89	0.0	778.445	0.0
load	N_900059353	constant_power_B	2193.86	721.085	1096.93	360.5425
load	N_900059353	constant_power_C	2193.86	721.085	1096.93	360.5425
load	N_900059353	constant_power_B_real	2193.86	0.0	1096.93	0.0
load	N_900059353	constant_power_C_real	2193.86	0.0	1096.93	0.0
load	N_900059353	constant_power_B_reac	721.085	0.0	360.5425	0.0
load	N_900059353	constant_power_C_reac	721.085	0.0	360.5425	0.0
load	N_900059599	constant_power_A	14625.7	4807.24	7312.85	2403.62
load	N_900059599	constant_power_B	14625.7	4807.24	7312.85	2403.62
load	N_900059599	constant_power_C	14625.7	4807.24	7312.85	2403.62
load	N_900059599	constant_power_A_real	14625.7	0.0	7312.85	0.0
load	N_900059599	constant_power_B_real	14625.7	0.0	7312.85	0.0
load	N_900059599	constant_power_C_real	14625.7	0.0	7312.85	0.0
load	N_900059599	constant_power_A_reac	4807.24	0.0	2403.62	0.0
load	N_900059599	constant_power_B_reac	4807.24	0.0	2403.62	0.0
load	N_900059599	constant_power_C_reac	4807.24	0.0	2403.62	0.0
load	N_900081046	constant_power_A	19179.6	6304.03	9589.8	3152.015
load	N_900081046	constant_power_B	19179.6	6304.03	9589.8	3152.015
load	N_900081046	constant_power_A_real	19179.6	0.0	9589.8	0.0
load	N_900081046	constant_power_B_real	19179.6	0.0	9589.8	0.0
load	N_900081046	constant_power_A_reac	6304.03	0.0	3152.015	0.0
load	N_900081046	constant_power_B_reac	6304.03	0.0	3152.015	0.0
load	N_900059590	constant_power_A	972.277	319.572	486.1385	159.786
load	N_900059590	constant_power_B	972.277	319.572	486.1385	159.786
load	N_900059590	constant_power_A_real	972.277	0.0	486.1385	0.0
load	N_900059590	constant_power_B_real	972.277	0.0	486.1385	0.0
load	N_900059590	constant_power_A_reac	319.572	0.0	159.786	0.0
load	N_900059590	constant_power_B_reac	319.572	0.0	159.786	0.0
load	N_900081044	constant_power_A	14808.5	4867.33	7404.25	2433.665
load	N_900081044	constant_power_B	14808.5	4867.33	7404.25	2433.665
load	N_900081044	constant_power_C	14808.5	4867.33	7404.25	2433.665
load	N_900081044	constant_power_A_real	14808.5	0.0	7404.25	0.0
load	N_900081044	constant_power_B_real	14808.5	0.0	7404.25	0.0
load	N_900081044	constant_power_C_real	14808.5	0.0	7404.25	0.0
load	N_900081044	constant_power_A_reac	4867.33	0.0	2433.665	0.0
load	N_900081044	constant_power_B_reac	4867.33	0.0	2433.665	0.0
load	N_900081044	constant_power_C_reac	4867.33	0.0	2433.665	0.0
load	N_900059595	constant_power_A	3534.54	1161.75	1767.27	580.875
load	N_900059595	constant_power_B	3534.54	1161.75	1767.27	580.875
load	N_900059595	constant_power_C	3534.54	1161.75	1767.27	580.875
load	N_900059595	constant_power_A_real	3534.54	0.0	1767.27	0.0
load	N_900059595	constant_power_B_real	3534.54	0.0	1767.27	0.0
load	N_900059595	constant_power_C_real	3534.54	0.0	1767.27	0.0
load	N_900059595	constant_power_A_reac	1161.75	0.0	580.875	0.0
load	N_900059595	constant_power_B_reac	1161.75	0.0	580.875	0.0
load	N_900059595	constant_power_C_reac	1161.75	0.0	580.875	0.0
load	N_900081043	constant_power_A	9168.76	3013.63	4584.38	1506.815
load	N_900081043	constant_power_B	9168.76	3013.63	4584.38	1506.815
load	N_900081043	constant_power_C	9168.76	3013.63	4584.38	1506.815
load	N_900081043	constant_power_A_real	9168.76	0.0	4584.38	0.0
load	N_900081043	constant_power_B_real	9168.76	0.0	4584.38	0.0
load	N_900081043	constant_power_C_real	9168.76	0.0	4584.38	0.0
load	N_900081043	constant_power_A_reac	3013.63	0.0	1506.815	0.0
load	N_900081043	constant_power_B_reac	3013.63	0.0	1506.815	0.0
load	N_900081043	constant_power_C_reac	3013.63	0.0	1506.815	0.0
load	N_900080846	constant_power_A	14833.5	5277.03	7416.75	2638.515

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900080846	constant_power_B	14833.5	5277.03	7416.75	2638.515
load	N_900080846	constant_power_A_real	14833.5	0.0	7416.75	0.0
load	N_900080846	constant_power_B_real	14833.5	0.0	7416.75	0.0
load	N_900080846	constant_power_A_reac	5277.03	0.0	2638.515	0.0
load	N_900080846	constant_power_B_reac	5277.03	0.0	2638.515	0.0
load	N_900020934	constant_power_A	2351.75	772.982	1175.875	386.491
load	N_900020934	constant_power_B	2351.75	772.982	1175.875	386.491
load	N_900020934	constant_power_A_real	2351.75	0.0	1175.875	0.0
load	N_900020934	constant_power_B_real	2351.75	0.0	1175.875	0.0
load	N_900020934	constant_power_A_reac	772.982	0.0	386.491	0.0
load	N_900020934	constant_power_B_reac	772.982	0.0	386.491	0.0
load	N_900059173	constant_power_B	2102.44	691.04	1051.22	345.52
load	N_900059173	constant_power_C	2102.44	691.04	1051.22	345.52
load	N_900059173	constant_power_B_real	2102.44	0.0	1051.22	0.0
load	N_900059173	constant_power_C_real	2102.44	0.0	1051.22	0.0
load	N_900059173	constant_power_B_reac	691.04	0.0	345.52	0.0
load	N_900059173	constant_power_C_reac	691.04	0.0	345.52	0.0
load	N_900059171	constant_power_B	1562.29	513.5	781.145	256.75
load	N_900059171	constant_power_C	1562.29	513.5	781.145	256.75
load	N_900059171	constant_power_B_real	1562.29	0.0	781.145	0.0
load	N_900059171	constant_power_C_real	1562.29	0.0	781.145	0.0
load	N_900059171	constant_power_B_reac	513.5	0.0	256.75	0.0
load	N_900059171	constant_power_C_reac	513.5	0.0	256.75	0.0
load	N_900056910	constant_power_A	12996.9	4271.88	6498.45	2135.94
load	N_900056910	constant_power_B	12996.9	4271.88	6498.45	2135.94
load	N_900056910	constant_power_A_real	12996.9	0.0	6498.45	0.0
load	N_900056910	constant_power_B_real	12996.9	0.0	6498.45	0.0
load	N_900056910	constant_power_A_reac	4271.88	0.0	2135.94	0.0
load	N_900056910	constant_power_B_reac	4271.88	0.0	2135.94	0.0
load	N_900059276	constant_power_B	631.564	207.585	315.782	103.7925
load	N_900059276	constant_power_C	631.564	207.585	315.782	103.7925
load	N_900059276	constant_power_B_real	631.564	0.0	315.782	0.0
load	N_900059276	constant_power_C_real	631.564	0.0	315.782	0.0
load	N_900059276	constant_power_B_reac	207.585	0.0	103.7925	0.0
load	N_900059276	constant_power_C_reac	207.585	0.0	103.7925	0.0
load	N_900056856	constant_power_A	17666.7	10948.8	8833.35	5474.4
load	N_900056856	constant_power_B	17666.7	10948.8	8833.35	5474.4
load	N_900056856	constant_power_C	17666.7	10948.8	8833.35	5474.4
load	N_900056856	constant_power_A_real	17666.7	0.0	8833.35	0.0
load	N_900056856	constant_power_B_real	17666.7	0.0	8833.35	0.0
load	N_900056856	constant_power_C_real	17666.7	0.0	8833.35	0.0
load	N_900056856	constant_power_A_reac	10948.8	0.0	5474.4	0.0
load	N_900056856	constant_power_B_reac	10948.8	0.0	5474.4	0.0
load	N_900056856	constant_power_C_reac	10948.8	0.0	5474.4	0.0
load	N_900056852	constant_power_A	21666.7	13427.8	10833.35	6713.9
load	N_900056852	constant_power_B	21666.7	13427.8	10833.35	6713.9
load	N_900056852	constant_power_C	21666.7	13427.8	10833.35	6713.9
load	N_900056852	constant_power_A_real	21666.7	0.0	10833.35	0.0
load	N_900056852	constant_power_B_real	21666.7	0.0	10833.35	0.0
load	N_900056852	constant_power_C_real	21666.7	0.0	10833.35	0.0
load	N_900056852	constant_power_A_reac	13427.8	0.0	6713.9	0.0
load	N_900056852	constant_power_B_reac	13427.8	0.0	6713.9	0.0
load	N_900056852	constant_power_C_reac	13427.8	0.0	6713.9	0.0
load	N_900060966	constant_power_C	3456.98	1136.26	1728.49	568.13
load	N_900060966	constant_power_C_real	3456.98	0.0	1728.49	0.0
load	N_900060966	constant_power_C_reac	1136.26	0.0	568.13	0.0
load	N_900056791	constant_power_A	2797.72	1093.71	1398.86	546.855
load	N_900056791	constant_power_B	2797.72	1093.71	1398.86	546.855
load	N_900056791	constant_power_C	2797.72	1093.71	1398.86	546.855
load	N_900056791	constant_power_A_real	2797.72	0.0	1398.86	0.0
load	N_900056791	constant_power_B_real	2797.72	0.0	1398.86	0.0
load	N_900056791	constant_power_C_real	2797.72	0.0	1398.86	0.0
load	N_900056791	constant_power_A_reac	1093.71	0.0	546.855	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900056791	constant_power_B_reac	1093.71	0.0	546.855	0.0
load	N_900056791	constant_power_C_reac	1093.71	0.0	546.855	0.0
load	N_900056859	constant_power_A	42525.3	13977.4	21262.65	6988.7
load	N_900056859	constant_power_B	42525.3	13977.4	21262.65	6988.7
load	N_900056859	constant_power_C	42525.3	13977.4	21262.65	6988.7
load	N_900056859	constant_power_A_real	42525.3	0.0	21262.65	0.0
load	N_900056859	constant_power_B_real	42525.3	0.0	21262.65	0.0
load	N_900056859	constant_power_C_real	42525.3	0.0	21262.65	0.0
load	N_900056859	constant_power_A_reac	13977.4	0.0	6988.7	0.0
load	N_900056859	constant_power_B_reac	13977.4	0.0	6988.7	0.0
load	N_900056859	constant_power_C_reac	13977.4	0.0	6988.7	0.0
load	N_900056858	constant_power_A	4000.0	2478.98	2000.0	1239.49
load	N_900056858	constant_power_B	4000.0	2478.98	2000.0	1239.49
load	N_900056858	constant_power_C	4000.0	2478.98	2000.0	1239.49
load	N_900056858	constant_power_A_real	4000.0	0.0	2000.0	0.0
load	N_900056858	constant_power_B_real	4000.0	0.0	2000.0	0.0
load	N_900056858	constant_power_C_real	4000.0	0.0	2000.0	0.0
load	N_900056858	constant_power_A_reac	2478.98	0.0	1239.49	0.0
load	N_900056858	constant_power_B_reac	2478.98	0.0	1239.49	0.0
load	N_900056858	constant_power_C_reac	2478.98	0.0	1239.49	0.0
load	N_900039268	constant_power_A	3465.29	1138.99	1732.645	569.495
load	N_900039268	constant_power_B	3465.29	1138.99	1732.645	569.495
load	N_900039268	constant_power_A_real	3465.29	0.0	1732.645	0.0
load	N_900039268	constant_power_B_real	3465.29	0.0	1732.645	0.0
load	N_900039268	constant_power_A_reac	1138.99	0.0	569.495	0.0
load	N_900039268	constant_power_B_reac	1138.99	0.0	569.495	0.0
load	N_900061044	constant_power_A	8265.74	2716.82	4132.87	1358.41
load	N_900061044	constant_power_B	8265.74	2716.82	4132.87	1358.41
load	N_900061044	constant_power_C	8265.74	2716.82	4132.87	1358.41
load	N_900061044	constant_power_A_real	8265.74	0.0	4132.87	0.0
load	N_900061044	constant_power_B_real	8265.74	0.0	4132.87	0.0
load	N_900061044	constant_power_C_real	8265.74	0.0	4132.87	0.0
load	N_900061044	constant_power_A_reac	2716.82	0.0	1358.41	0.0
load	N_900061044	constant_power_B_reac	2716.82	0.0	1358.41	0.0
load	N_900061044	constant_power_C_reac	2716.82	0.0	1358.41	0.0
load	N_900061041	constant_power_A	9049.65	2974.48	4524.825	1487.24
load	N_900061041	constant_power_B	9049.65	2974.48	4524.825	1487.24
load	N_900061041	constant_power_A_real	9049.65	0.0	4524.825	0.0
load	N_900061041	constant_power_B_real	9049.65	0.0	4524.825	0.0
load	N_900061041	constant_power_A_reac	2974.48	0.0	1487.24	0.0
load	N_900061041	constant_power_B_reac	2974.48	0.0	1487.24	0.0
load	N_900059184	constant_power_B	1653.7	543.545	826.85	271.7725
load	N_900059184	constant_power_C	1653.7	543.545	826.85	271.7725
load	N_900059184	constant_power_B_real	1653.7	0.0	826.85	0.0
load	N_900059184	constant_power_C_real	1653.7	0.0	826.85	0.0
load	N_900059184	constant_power_B_reac	543.545	0.0	271.7725	0.0
load	N_900059184	constant_power_C_reac	543.545	0.0	271.7725	0.0
load	N_900110384	constant_power_A	8858.52	2911.66	4429.26	1455.83
load	N_900110384	constant_power_B	8858.52	2911.66	4429.26	1455.83
load	N_900110384	constant_power_A_real	8858.52	0.0	4429.26	0.0
load	N_900110384	constant_power_B_real	8858.52	0.0	4429.26	0.0
load	N_900110384	constant_power_A_reac	2911.66	0.0	1455.83	0.0
load	N_900110384	constant_power_B_reac	2911.66	0.0	1455.83	0.0
load	N_900076434	constant_power_A	88.6407	29.1348	44.32035	14.5674
load	N_900076434	constant_power_B	88.6407	29.1348	44.32035	14.5674
load	N_900076434	constant_power_C	88.6407	29.1348	44.32035	14.5674
load	N_900076434	constant_power_A_real	88.6407	0.0	44.32035	0.0
load	N_900076434	constant_power_B_real	88.6407	0.0	44.32035	0.0
load	N_900076434	constant_power_C_real	88.6407	0.0	44.32035	0.0
load	N_900076434	constant_power_A_reac	29.1348	0.0	14.5674	0.0
load	N_900076434	constant_power_B_reac	29.1348	0.0	14.5674	0.0
load	N_900076434	constant_power_C_reac	29.1348	0.0	14.5674	0.0
load	N_900110389	constant_power_A	3465.29	1138.99	1732.645	569.495

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900110389	constant_power_B	3465.29	1138.99	1732.645	569.495
load	N_900110389	constant_power_A_real	3465.29	0.0	1732.645	0.0
load	N_900110389	constant_power_B_real	3465.29	0.0	1732.645	0.0
load	N_900110389	constant_power_A_reac	1138.99	0.0	569.495	0.0
load	N_900110389	constant_power_B_reac	1138.99	0.0	569.495	0.0
load	N_900056750	constant_power_A	7922.25	2603.92	3961.125	1301.96
load	N_900056750	constant_power_B	7922.25	2603.92	3961.125	1301.96
load	N_900056750	constant_power_C	7922.25	2603.92	3961.125	1301.96
load	N_900056750	constant_power_A_real	7922.25	0.0	3961.125	0.0
load	N_900056750	constant_power_B_real	7922.25	0.0	3961.125	0.0
load	N_900056750	constant_power_C_real	7922.25	0.0	3961.125	0.0
load	N_900056750	constant_power_A_reac	2603.92	0.0	1301.96	0.0
load	N_900056750	constant_power_B_reac	2603.92	0.0	1301.96	0.0
load	N_900056750	constant_power_C_reac	2603.92	0.0	1301.96	0.0
load	N_900056751	constant_power_A	2487.48	1020.77	1243.74	510.385
load	N_900056751	constant_power_B	2487.48	1020.77	1243.74	510.385
load	N_900056751	constant_power_C	2487.48	1020.77	1243.74	510.385
load	N_900056751	constant_power_A_real	2487.48	0.0	1243.74	0.0
load	N_900056751	constant_power_B_real	2487.48	0.0	1243.74	0.0
load	N_900056751	constant_power_C_real	2487.48	0.0	1243.74	0.0
load	N_900056751	constant_power_A_reac	1020.77	0.0	510.385	0.0
load	N_900056751	constant_power_B_reac	1020.77	0.0	510.385	0.0
load	N_900056751	constant_power_C_reac	1020.77	0.0	510.385	0.0
load	N_900056622	constant_power_B	91.411	30.0453	45.7055	15.02265
load	N_900056622	constant_power_C	91.411	30.0453	45.7055	15.02265
load	N_900056622	constant_power_B_real	91.411	0.0	45.7055	0.0
load	N_900056622	constant_power_C_real	91.411	0.0	45.7055	0.0
load	N_900056622	constant_power_B_reac	30.0453	0.0	15.02265	0.0
load	N_900056622	constant_power_C_reac	30.0453	0.0	15.02265	0.0
load	N_900076436	constant_power_A	4160.57	1367.51	2080.285	683.755
load	N_900076436	constant_power_B	4160.57	1367.51	2080.285	683.755
load	N_900076436	constant_power_C	4160.57	1367.51	2080.285	683.755
load	N_900076436	constant_power_A_real	4160.57	0.0	2080.285	0.0
load	N_900076436	constant_power_B_real	4160.57	0.0	2080.285	0.0
load	N_900076436	constant_power_C_real	4160.57	0.0	2080.285	0.0
load	N_900076436	constant_power_A_reac	1367.51	0.0	683.755	0.0
load	N_900076436	constant_power_B_reac	1367.51	0.0	683.755	0.0
load	N_900076436	constant_power_C_reac	1367.51	0.0	683.755	0.0
load	N_900052249	constant_power_A	6656.36	2187.84	3328.18	1093.92
load	N_900052249	constant_power_B	6656.36	2187.84	3328.18	1093.92
load	N_900052249	constant_power_A_real	6656.36	0.0	3328.18	0.0
load	N_900052249	constant_power_B_real	6656.36	0.0	3328.18	0.0
load	N_900052249	constant_power_A_reac	2187.84	0.0	1093.92	0.0
load	N_900052249	constant_power_B_reac	2187.84	0.0	1093.92	0.0
load	N_900056625	constant_power_C	11501.1	3780.24	5750.55	1890.12
load	N_900056625	constant_power_C_real	11501.1	0.0	5750.55	0.0
load	N_900056625	constant_power_C_reac	3780.24	0.0	1890.12	0.0
load	N_900018105	constant_power_A	5251.96	1726.23	2625.98	863.115
load	N_900018105	constant_power_B	5251.96	1726.23	2625.98	863.115
load	N_900018105	constant_power_A_real	5251.96	0.0	2625.98	0.0
load	N_900018105	constant_power_B_real	5251.96	0.0	2625.98	0.0
load	N_900018105	constant_power_A_reac	1726.23	0.0	863.115	0.0
load	N_900018105	constant_power_B_reac	1726.23	0.0	863.115	0.0
load	N_900055524	constant_power_C	1346.23	442.484	673.115	221.242
load	N_900055524	constant_power_C_real	1346.23	0.0	673.115	0.0
load	N_900055524	constant_power_C_reac	442.484	0.0	221.242	0.0
load	N_900202612	constant_power_A	17068.9	5610.26	8534.45	2805.13
load	N_900202612	constant_power_B	17068.9	5610.26	8534.45	2805.13
load	N_900202612	constant_power_C	17068.9	5610.26	8534.45	2805.13
load	N_900202612	constant_power_A_real	17068.9	0.0	8534.45	0.0
load	N_900202612	constant_power_B_real	17068.9	0.0	8534.45	0.0
load	N_900202612	constant_power_C_real	17068.9	0.0	8534.45	0.0
load	N_900202612	constant_power_A_reac	5610.26	0.0	2805.13	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900202612	constant_power_B_reac	5610.26	0.0	2805.13	0.0
load	N_900202612	constant_power_C_reac	5610.26	0.0	2805.13	0.0
load	N_900080991	constant_power_A	10337.7	3397.84	5168.85	1698.92
load	N_900080991	constant_power_B	10337.7	3397.84	5168.85	1698.92
load	N_900080991	constant_power_C	10337.7	3397.84	5168.85	1698.92
load	N_900080991	constant_power_A_real	10337.7	0.0	5168.85	0.0
load	N_900080991	constant_power_B_real	10337.7	0.0	5168.85	0.0
load	N_900080991	constant_power_C_real	10337.7	0.0	5168.85	0.0
load	N_900080991	constant_power_A_reac	3397.84	0.0	1698.92	0.0
load	N_900080991	constant_power_B_reac	3397.84	0.0	1698.92	0.0
load	N_900080991	constant_power_C_reac	3397.84	0.0	1698.92	0.0
load	N_900001035	constant_power_A	27514.6	9043.61	13757.3	4521.805
load	N_900001035	constant_power_B	27514.6	9043.61	13757.3	4521.805
load	N_900001035	constant_power_A_real	27514.6	0.0	13757.3	0.0
load	N_900001035	constant_power_B_real	27514.6	0.0	13757.3	0.0
load	N_900001035	constant_power_A_reac	9043.61	0.0	4521.805	0.0
load	N_900001035	constant_power_B_reac	9043.61	0.0	4521.805	0.0
load	N_900060798	constant_power_A	3107.96	1021.54	1553.98	510.77
load	N_900060798	constant_power_B	3107.96	1021.54	1553.98	510.77
load	N_900060798	constant_power_A_real	3107.96	0.0	1553.98	0.0
load	N_900060798	constant_power_B_real	3107.96	0.0	1553.98	0.0
load	N_900060798	constant_power_A_reac	1021.54	0.0	510.77	0.0
load	N_900060798	constant_power_B_reac	1021.54	0.0	510.77	0.0
load	N_900060794	constant_power_A	2902.98	954.163	1451.49	477.0815
load	N_900060794	constant_power_B	2902.98	954.163	1451.49	477.0815
load	N_900060794	constant_power_C	2902.98	954.163	1451.49	477.0815
load	N_900060794	constant_power_A_real	2902.98	0.0	1451.49	0.0
load	N_900060794	constant_power_B_real	2902.98	0.0	1451.49	0.0
load	N_900060794	constant_power_C_real	2902.98	0.0	1451.49	0.0
load	N_900060794	constant_power_A_reac	954.163	0.0	477.0815	0.0
load	N_900060794	constant_power_B_reac	954.163	0.0	477.0815	0.0
load	N_900060794	constant_power_C_reac	954.163	0.0	477.0815	0.0
load	N_900058970	constant_power_B	515.224	169.346	257.612	84.673
load	N_900058970	constant_power_C	515.224	169.346	257.612	84.673
load	N_900058970	constant_power_B_real	515.224	0.0	257.612	0.0
load	N_900058970	constant_power_C_real	515.224	0.0	257.612	0.0
load	N_900058970	constant_power_B_reac	169.346	0.0	84.673	0.0
load	N_900058970	constant_power_C_reac	169.346	0.0	84.673	0.0
load	N_900060811	constant_power_A	14318.2	4706.17	7159.1	2353.085
load	N_900060811	constant_power_B	14318.2	4706.17	7159.1	2353.085
load	N_900060811	constant_power_A_real	14318.2	0.0	7159.1	0.0
load	N_900060811	constant_power_B_real	14318.2	0.0	7159.1	0.0
load	N_900060811	constant_power_A_reac	4706.17	0.0	2353.085	0.0
load	N_900060811	constant_power_B_reac	4706.17	0.0	2353.085	0.0
load	N_900060812	constant_power_A	7179.89	2584.86	3589.945	1292.43
load	N_900060812	constant_power_B	7179.89	2584.86	3589.945	1292.43
load	N_900060812	constant_power_A_real	7179.89	0.0	3589.945	0.0
load	N_900060812	constant_power_B_real	7179.89	0.0	3589.945	0.0
load	N_900060812	constant_power_A_reac	2584.86	0.0	1292.43	0.0
load	N_900060812	constant_power_B_reac	2584.86	0.0	1292.43	0.0
load	N_900058974	constant_power_B	3822.63	1256.44	1911.315	628.22
load	N_900058974	constant_power_C	3822.63	1256.44	1911.315	628.22
load	N_900058974	constant_power_B_real	3822.63	0.0	1911.315	0.0
load	N_900058974	constant_power_C_real	3822.63	0.0	1911.315	0.0
load	N_900058974	constant_power_B_reac	1256.44	0.0	628.22	0.0
load	N_900058974	constant_power_C_reac	1256.44	0.0	628.22	0.0
load	N_900060818	constant_power_A	1617.69	531.709	808.845	265.8545
load	N_900060818	constant_power_B	1617.69	531.709	808.845	265.8545
load	N_900060818	constant_power_C	1617.69	531.709	808.845	265.8545
load	N_900060818	constant_power_A_real	1617.69	0.0	808.845	0.0
load	N_900060818	constant_power_B_real	1617.69	0.0	808.845	0.0
load	N_900060818	constant_power_C_real	1617.69	0.0	808.845	0.0
load	N_900060818	constant_power_A_reac	531.709	0.0	265.8545	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900060818	constant_power_B_reac	531.709	0.0	265.8545	0.0
load	N_900060818	constant_power_C_reac	531.709	0.0	265.8545	0.0
load	N_900022510	constant_power_C	6515.09	2141.4	3257.545	1070.7
load	N_900022510	constant_power_C_real	6515.09	0.0	3257.545	0.0
load	N_900022510	constant_power_C_reac	2141.4	0.0	1070.7	0.0
load	N_900118513	constant_power_B	5733.94	1884.65	2866.97	942.325
load	N_900118513	constant_power_C	5733.94	1884.65	2866.97	942.325
load	N_900118513	constant_power_B_real	5733.94	0.0	2866.97	0.0
load	N_900118513	constant_power_C_real	5733.94	0.0	2866.97	0.0
load	N_900118513	constant_power_B_reac	1884.65	0.0	942.325	0.0
load	N_900118513	constant_power_C_reac	1884.65	0.0	942.325	0.0
load	N_900055463	constant_power_B	764.525	473.81	382.2625	236.905
load	N_900055463	constant_power_C	764.525	473.81	382.2625	236.905
load	N_900055463	constant_power_B_real	764.525	0.0	382.2625	0.0
load	N_900055463	constant_power_C_real	764.525	0.0	382.2625	0.0
load	N_900055463	constant_power_B_reac	473.81	0.0	236.905	0.0
load	N_900055463	constant_power_C_reac	473.81	0.0	236.905	0.0
load	N_900191677	constant_power_B	116.341	72.1017	58.1705	36.05085
load	N_900191677	constant_power_C	116.341	72.1017	58.1705	36.05085
load	N_900191677	constant_power_B_real	116.341	0.0	58.1705	0.0
load	N_900191677	constant_power_C_real	116.341	0.0	58.1705	0.0
load	N_900191677	constant_power_B_reac	72.1017	0.0	36.05085	0.0
load	N_900191677	constant_power_C_reac	72.1017	0.0	36.05085	0.0
load	N_900023503	constant_power_A	7030.31	2310.75	3515.155	1155.375
load	N_900023503	constant_power_B	7030.31	2310.75	3515.155	1155.375
load	N_900023503	constant_power_A_real	7030.31	0.0	3515.155	0.0
load	N_900023503	constant_power_B_real	7030.31	0.0	3515.155	0.0
load	N_900023503	constant_power_A_reac	2310.75	0.0	1155.375	0.0
load	N_900023503	constant_power_B_reac	2310.75	0.0	1155.375	0.0
load	N_900028184	constant_power_B	4753.35	1562.35	2376.675	781.175
load	N_900028184	constant_power_C	4753.35	1562.35	2376.675	781.175
load	N_900028184	constant_power_B_real	4753.35	0.0	2376.675	0.0
load	N_900028184	constant_power_C_real	4753.35	0.0	2376.675	0.0
load	N_900028184	constant_power_B_reac	1562.35	0.0	781.175	0.0
load	N_900028184	constant_power_C_reac	1562.35	0.0	781.175	0.0
load	N_900028182	constant_power_B	3382.19	1111.67	1691.095	555.835
load	N_900028182	constant_power_C	3382.19	1111.67	1691.095	555.835
load	N_900028182	constant_power_B_real	3382.19	0.0	1691.095	0.0
load	N_900028182	constant_power_C_real	3382.19	0.0	1691.095	0.0
load	N_900028182	constant_power_B_reac	1111.67	0.0	555.835	0.0
load	N_900028182	constant_power_C_reac	1111.67	0.0	555.835	0.0
load	N_900021995	constant_power_B	3922.35	1289.21	1961.175	644.605
load	N_900021995	constant_power_C	3922.35	1289.21	1961.175	644.605
load	N_900021995	constant_power_B_real	3922.35	0.0	1961.175	0.0
load	N_900021995	constant_power_C_real	3922.35	0.0	1961.175	0.0
load	N_900021995	constant_power_B_reac	1289.21	0.0	644.605	0.0
load	N_900021995	constant_power_C_reac	1289.21	0.0	644.605	0.0
load	N_900080950	constant_power_A	18672.7	6137.42	9336.35	3068.71
load	N_900080950	constant_power_B	18672.7	6137.42	9336.35	3068.71
load	N_900080950	constant_power_A_real	18672.7	0.0	9336.35	0.0
load	N_900080950	constant_power_B_real	18672.7	0.0	9336.35	0.0
load	N_900080950	constant_power_A_reac	6137.42	0.0	3068.71	0.0
load	N_900080950	constant_power_B_reac	6137.42	0.0	3068.71	0.0
load	N_900010661	constant_power_A	16836.2	5533.78	8418.1	2766.89
load	N_900010661	constant_power_B	16836.2	5533.78	8418.1	2766.89
load	N_900010661	constant_power_A_real	16836.2	0.0	8418.1	0.0
load	N_900010661	constant_power_B_real	16836.2	0.0	8418.1	0.0
load	N_900010661	constant_power_A_reac	5533.78	0.0	2766.89	0.0
load	N_900010661	constant_power_B_reac	5533.78	0.0	2766.89	0.0
load	N_900010663	constant_power_A	9833.57	3232.14	4916.785	1616.07
load	N_900010663	constant_power_B	9833.57	3232.14	4916.785	1616.07
load	N_900010663	constant_power_C	9833.57	3232.14	4916.785	1616.07
load	N_900010663	constant_power_A_real	9833.57	0.0	4916.785	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900010663	constant_power_B_real	9833.57	0.0	4916.785	0.0
load	N_900010663	constant_power_C_real	9833.57	0.0	4916.785	0.0
load	N_900010663	constant_power_A_reac	3232.14	0.0	1616.07	0.0
load	N_900010663	constant_power_B_reac	3232.14	0.0	1616.07	0.0
load	N_900010663	constant_power_C_reac	3232.14	0.0	1616.07	0.0
load	N_900036487	constant_power_B	5609.29	1843.68	2804.645	921.84
load	N_900036487	constant_power_C	5609.29	1843.68	2804.645	921.84
load	N_900036487	constant_power_B_real	5609.29	0.0	2804.645	0.0
load	N_900036487	constant_power_C_real	5609.29	0.0	2804.645	0.0
load	N_900036487	constant_power_B_reac	1843.68	0.0	921.84	0.0
load	N_900036487	constant_power_C_reac	1843.68	0.0	921.84	0.0
load	N_900110849	constant_power_A	5451.4	1791.79	2725.7	895.895
load	N_900110849	constant_power_B	5451.4	1791.79	2725.7	895.895
load	N_900110849	constant_power_A_real	5451.4	0.0	2725.7	0.0
load	N_900110849	constant_power_B_real	5451.4	0.0	2725.7	0.0
load	N_900110849	constant_power_A_reac	1791.79	0.0	895.895	0.0
load	N_900110849	constant_power_B_reac	1791.79	0.0	895.895	0.0
load	N_900052248	constant_power_A	7321.16	2406.35	3660.58	1203.175
load	N_900052248	constant_power_B	7321.16	2406.35	3660.58	1203.175
load	N_900052248	constant_power_A_real	7321.16	0.0	3660.58	0.0
load	N_900052248	constant_power_B_real	7321.16	0.0	3660.58	0.0
load	N_900052248	constant_power_A_reac	2406.35	0.0	1203.175	0.0
load	N_900052248	constant_power_B_reac	2406.35	0.0	1203.175	0.0
load	N_900063534	constant_power_B	1944.55	639.144	972.275	319.572
load	N_900063534	constant_power_C	1944.55	639.144	972.275	319.572
load	N_900063534	constant_power_B_real	1944.55	0.0	972.275	0.0
load	N_900063534	constant_power_C_real	1944.55	0.0	972.275	0.0
load	N_900063534	constant_power_B_reac	639.144	0.0	319.572	0.0
load	N_900063534	constant_power_C_reac	639.144	0.0	319.572	0.0
load	N_900056627	constant_power_B	7462.43	2520.51	3731.215	1260.255
load	N_900056627	constant_power_C	7462.43	2520.51	3731.215	1260.255
load	N_900056627	constant_power_B_real	7462.43	0.0	3731.215	0.0
load	N_900056627	constant_power_C_real	7462.43	0.0	3731.215	0.0
load	N_900056627	constant_power_B_reac	2520.51	0.0	1260.255	0.0
load	N_900056627	constant_power_C_reac	2520.51	0.0	1260.255	0.0
load	N_900186193	constant_power_B	6515.09	2141.4	3257.545	1070.7
load	N_900186193	constant_power_C	6515.09	2141.4	3257.545	1070.7
load	N_900186193	constant_power_B_real	6515.09	0.0	3257.545	0.0
load	N_900186193	constant_power_C_real	6515.09	0.0	3257.545	0.0
load	N_900186193	constant_power_B_reac	2141.4	0.0	1070.7	0.0
load	N_900186193	constant_power_C_reac	2141.4	0.0	1070.7	0.0
load	N_900059416	constant_power_A	25295.8	8314.33	12647.9	4157.165
load	N_900059416	constant_power_B	25295.8	8314.33	12647.9	4157.165
load	N_900059416	constant_power_C	25295.8	8314.33	12647.9	4157.165
load	N_900059416	constant_power_A_real	25295.8	0.0	12647.9	0.0
load	N_900059416	constant_power_B_real	25295.8	0.0	12647.9	0.0
load	N_900059416	constant_power_C_real	25295.8	0.0	12647.9	0.0
load	N_900059416	constant_power_A_reac	8314.33	0.0	4157.165	0.0
load	N_900059416	constant_power_B_reac	8314.33	0.0	4157.165	0.0
load	N_900059416	constant_power_C_reac	8314.33	0.0	4157.165	0.0
load	N_900059411	constant_power_A	2243.72	966.446	1121.86	483.223
load	N_900059411	constant_power_B	2243.72	966.446	1121.86	483.223
load	N_900059411	constant_power_C	2243.72	966.446	1121.86	483.223
load	N_900059411	constant_power_A_real	2243.72	0.0	1121.86	0.0
load	N_900059411	constant_power_B_real	2243.72	0.0	1121.86	0.0
load	N_900059411	constant_power_C_real	2243.72	0.0	1121.86	0.0
load	N_900059411	constant_power_A_reac	966.446	0.0	483.223	0.0
load	N_900059411	constant_power_B_reac	966.446	0.0	483.223	0.0
load	N_900059411	constant_power_C_reac	966.446	0.0	483.223	0.0
load	N_900059413	constant_power_A	1351.77	444.305	675.885	222.1525
load	N_900059413	constant_power_B	1351.77	444.305	675.885	222.1525
load	N_900059413	constant_power_C	1351.77	444.305	675.885	222.1525
load	N_900059413	constant_power_A_real	1351.77	0.0	675.885	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900059413	constant_power_B_real	1351.77	0.0	675.885	0.0
load	N_900059413	constant_power_C_real	1351.77	0.0	675.885	0.0
load	N_900059413	constant_power_A_reac	444.305	0.0	222.1525	0.0
load	N_900059413	constant_power_B_reac	444.305	0.0	222.1525	0.0
load	N_900059413	constant_power_C_reac	444.305	0.0	222.1525	0.0
load	N_900059557	constant_power_B	1553.98	510.769	776.99	255.3845
load	N_900059557	constant_power_C	1553.98	510.769	776.99	255.3845
load	N_900059557	constant_power_B_real	1553.98	0.0	776.99	0.0
load	N_900059557	constant_power_C_real	1553.98	0.0	776.99	0.0
load	N_900059557	constant_power_B_reac	510.769	0.0	255.3845	0.0
load	N_900059557	constant_power_C_reac	510.769	0.0	255.3845	0.0
load	N_900059556	constant_power_A	6443.06	2117.73	3221.53	1058.865
load	N_900059556	constant_power_B	6443.06	2117.73	3221.53	1058.865
load	N_900059556	constant_power_C	6443.06	2117.73	3221.53	1058.865
load	N_900059556	constant_power_A_real	6443.06	0.0	3221.53	0.0
load	N_900059556	constant_power_B_real	6443.06	0.0	3221.53	0.0
load	N_900059556	constant_power_C_real	6443.06	0.0	3221.53	0.0
load	N_900059556	constant_power_A_reac	2117.73	0.0	1058.865	0.0
load	N_900059556	constant_power_B_reac	2117.73	0.0	1058.865	0.0
load	N_900059556	constant_power_C_reac	2117.73	0.0	1058.865	0.0
load	N_900058413	constant_power_A	22005.0	7232.7	11002.5	3616.35
load	N_900058413	constant_power_B	22005.0	7232.7	11002.5	3616.35
load	N_900058413	constant_power_A_real	22005.0	0.0	11002.5	0.0
load	N_900058413	constant_power_B_real	22005.0	0.0	11002.5	0.0
load	N_900058413	constant_power_A_reac	7232.7	0.0	3616.35	0.0
load	N_900058413	constant_power_B_reac	7232.7	0.0	3616.35	0.0
load	N_900080882	constant_power_A	14520.4	4772.64	7260.2	2386.32
load	N_900080882	constant_power_B	14520.4	4772.64	7260.2	2386.32
load	N_900080882	constant_power_C	14520.4	4772.64	7260.2	2386.32
load	N_900080882	constant_power_A_real	14520.4	0.0	7260.2	0.0
load	N_900080882	constant_power_B_real	14520.4	0.0	7260.2	0.0
load	N_900080882	constant_power_C_real	14520.4	0.0	7260.2	0.0
load	N_900080882	constant_power_A_reac	4772.64	0.0	2386.32	0.0
load	N_900080882	constant_power_B_reac	4772.64	0.0	2386.32	0.0
load	N_900080882	constant_power_C_reac	4772.64	0.0	2386.32	0.0
load	N_900080922	constant_power_A	9423.6	3097.39	4711.8	1548.695
load	N_900080922	constant_power_B	9423.6	3097.39	4711.8	1548.695
load	N_900080922	constant_power_A_real	9423.6	0.0	4711.8	0.0
load	N_900080922	constant_power_B_real	9423.6	0.0	4711.8	0.0
load	N_900080922	constant_power_A_reac	3097.39	0.0	1548.695	0.0
load	N_900080922	constant_power_B_reac	3097.39	0.0	1548.695	0.0
load	N_900059558	constant_power_B	7429.19	2441.86	3714.595	1220.93
load	N_900059558	constant_power_C	7429.19	2441.86	3714.595	1220.93
load	N_900059558	constant_power_B_real	7429.19	0.0	3714.595	0.0
load	N_900059558	constant_power_C_real	7429.19	0.0	3714.595	0.0
load	N_900059558	constant_power_B_reac	2441.86	0.0	1220.93	0.0
load	N_900059558	constant_power_C_reac	2441.86	0.0	1220.93	0.0
load	N_900022630	constant_power_A	166.201	103.002	83.1005	51.501
load	N_900022630	constant_power_B	166.201	103.002	83.1005	51.501
load	N_900022630	constant_power_A_real	166.201	0.0	83.1005	0.0
load	N_900022630	constant_power_B_real	166.201	0.0	83.1005	0.0
load	N_900022630	constant_power_A_reac	103.002	0.0	51.501	0.0
load	N_900022630	constant_power_B_reac	103.002	0.0	51.501	0.0
load	N_900059235	constant_power_B	473.673	155.689	236.8365	77.8445
load	N_900059235	constant_power_C	473.673	155.689	236.8365	77.8445
load	N_900059235	constant_power_B_real	473.673	0.0	236.8365	0.0
load	N_900059235	constant_power_C_real	473.673	0.0	236.8365	0.0
load	N_900059235	constant_power_B_reac	155.689	0.0	77.8445	0.0
load	N_900059235	constant_power_C_reac	155.689	0.0	77.8445	0.0
load	N_900049515	constant_power_B	66.48	21.8509	33.24	10.92545
load	N_900049515	constant_power_C	66.48	21.8509	33.24	10.92545
load	N_900049515	constant_power_B_real	66.48	0.0	33.24	0.0
load	N_900049515	constant_power_C_real	66.48	0.0	33.24	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900049515	constant_power_B_reac	21.8509	0.0	10.92545	0.0
load	N_900049515	constant_power_C_reac	21.8509	0.0	10.92545	0.0
load	N_900056765	constant_power_A	4360.01	1433.07	2180.005	716.535
load	N_900056765	constant_power_B	4360.01	1433.07	2180.005	716.535
load	N_900056765	constant_power_C	4360.01	1433.07	2180.005	716.535
load	N_900056765	constant_power_A_real	4360.01	0.0	2180.005	0.0
load	N_900056765	constant_power_B_real	4360.01	0.0	2180.005	0.0
load	N_900056765	constant_power_C_real	4360.01	0.0	2180.005	0.0
load	N_900056765	constant_power_A_reac	1433.07	0.0	716.535	0.0
load	N_900056765	constant_power_B_reac	1433.07	0.0	716.535	0.0
load	N_900056765	constant_power_C_reac	1433.07	0.0	716.535	0.0
load	N_900056769	constant_power_A	16221.2	5331.66	8110.6	2665.83
load	N_900056769	constant_power_A_real	16221.2	0.0	8110.6	0.0
load	N_900056769	constant_power_A_reac	5331.66	0.0	2665.83	0.0
load	N_900191326	constant_power_B	689.735	427.459	344.8675	213.7295
load	N_900191326	constant_power_C	689.735	427.459	344.8675	213.7295
load	N_900191326	constant_power_B_real	689.735	0.0	344.8675	0.0
load	N_900191326	constant_power_C_real	689.735	0.0	344.8675	0.0
load	N_900191326	constant_power_B_reac	427.459	0.0	213.7295	0.0
load	N_900191326	constant_power_C_reac	427.459	0.0	213.7295	0.0
load	N_900059239	constant_power_B	1512.43	497.112	756.215	248.556
load	N_900059239	constant_power_C	1512.43	497.112	756.215	248.556
load	N_900059239	constant_power_B_real	1512.43	0.0	756.215	0.0
load	N_900059239	constant_power_C_real	1512.43	0.0	756.215	0.0
load	N_900059239	constant_power_B_reac	497.112	0.0	248.556	0.0
load	N_900059239	constant_power_C_reac	497.112	0.0	248.556	0.0
load	N_900107898	constant_power_A	2858.66	939.596	1429.33	469.798
load	N_900107898	constant_power_B	2858.66	939.596	1429.33	469.798
load	N_900107898	constant_power_A_real	2858.66	0.0	1429.33	0.0
load	N_900107898	constant_power_B_real	2858.66	0.0	1429.33	0.0
load	N_900107898	constant_power_A_reac	939.596	0.0	469.798	0.0
load	N_900107898	constant_power_B_reac	939.596	0.0	469.798	0.0
load	N_600066417	constant_power_C	2193.86	721.085	1096.93	360.5425
load	N_600066417	constant_power_C_real	2193.86	0.0	1096.93	0.0
load	N_600066417	constant_power_C_reac	721.085	0.0	360.5425	0.0
load	N_600066416	constant_power_C	797.765	494.41	398.8825	247.205
load	N_600066416	constant_power_C_real	797.765	0.0	398.8825	0.0
load	N_600066416	constant_power_C_reac	494.41	0.0	247.205	0.0
load	N_900058981	constant_power_B	2168.93	712.891	1084.465	356.4455
load	N_900058981	constant_power_C	2168.93	712.891	1084.465	356.4455
load	N_900058981	constant_power_B_real	2168.93	0.0	1084.465	0.0
load	N_900058981	constant_power_C_real	2168.93	0.0	1084.465	0.0
load	N_900058981	constant_power_B_reac	712.891	0.0	356.4455	0.0
load	N_900058981	constant_power_C_reac	712.891	0.0	356.4455	0.0
load	N_900056712	constant_power_A	15456.7	5080.37	7728.35	2540.185
load	N_900056712	constant_power_A_real	15456.7	0.0	7728.35	0.0
load	N_900056712	constant_power_A_reac	5080.37	0.0	2540.185	0.0
load	N_900059306	constant_power_B	4138.41	1360.23	2069.205	680.115
load	N_900059306	constant_power_C	4138.41	1360.23	2069.205	680.115
load	N_900059306	constant_power_B_real	4138.41	0.0	2069.205	0.0
load	N_900059306	constant_power_C_real	4138.41	0.0	2069.205	0.0
load	N_900059306	constant_power_B_reac	1360.23	0.0	680.115	0.0
load	N_900059306	constant_power_C_reac	1360.23	0.0	680.115	0.0
load	N_900012898	constant_power_C	2476.4	813.952	1238.2	406.976
load	N_900012898	constant_power_C_real	2476.4	0.0	1238.2	0.0
load	N_900012898	constant_power_C_reac	813.952	0.0	406.976	0.0
load	N_900029932	constant_power_A	3207.68	1054.31	1603.84	527.155
load	N_900029932	constant_power_B	3207.68	1054.31	1603.84	527.155
load	N_900029932	constant_power_A_real	3207.68	0.0	1603.84	0.0
load	N_900029932	constant_power_B_real	3207.68	0.0	1603.84	0.0
load	N_900029932	constant_power_A_reac	1054.31	0.0	527.155	0.0
load	N_900029932	constant_power_B_reac	1054.31	0.0	527.155	0.0
load	N_900087370	constant_power_A	19661.6	6462.45	9830.8	3231.225

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900087370	constant_power_B	19661.6	6462.45	9830.8	3231.225
load	N_900087370	constant_power_A_real	19661.6	0.0	9830.8	0.0
load	N_900087370	constant_power_B_real	19661.6	0.0	9830.8	0.0
load	N_900087370	constant_power_A_reac	6462.45	0.0	3231.225	0.0
load	N_900087370	constant_power_B_reac	6462.45	0.0	3231.225	0.0
load	N_900079578	constant_power_B	30099.0	9893.07	15049.5	4946.535
load	N_900079578	constant_power_C	30099.0	9893.07	15049.5	4946.535
load	N_900079578	constant_power_B_real	30099.0	0.0	15049.5	0.0
load	N_900079578	constant_power_C_real	30099.0	0.0	15049.5	0.0
load	N_900079578	constant_power_B_reac	9893.07	0.0	4946.535	0.0
load	N_900079578	constant_power_C_reac	9893.07	0.0	4946.535	0.0
load	N_900059321	constant_power_B	2276.96	748.399	1138.48	374.1995
load	N_900059321	constant_power_C	2276.96	748.399	1138.48	374.1995
load	N_900059321	constant_power_B_real	2276.96	0.0	1138.48	0.0
load	N_900059321	constant_power_C_real	2276.96	0.0	1138.48	0.0
load	N_900059321	constant_power_B_reac	748.399	0.0	374.1995	0.0
load	N_900059321	constant_power_C_reac	748.399	0.0	374.1995	0.0
load	N_900060799	constant_power_A	2459.78	808.49	1229.89	404.245
load	N_900060799	constant_power_B	2459.78	808.49	1229.89	404.245
load	N_900060799	constant_power_A_real	2459.78	0.0	1229.89	0.0
load	N_900060799	constant_power_B_real	2459.78	0.0	1229.89	0.0
load	N_900060799	constant_power_A_reac	808.49	0.0	404.245	0.0
load	N_900060799	constant_power_B_reac	808.49	0.0	404.245	0.0
load	N_900059040	constant_power_B	3215.99	1057.05	1607.995	528.525
load	N_900059040	constant_power_C	3215.99	1057.05	1607.995	528.525
load	N_900059040	constant_power_B_real	3215.99	0.0	1607.995	0.0
load	N_900059040	constant_power_C_real	3215.99	0.0	1607.995	0.0
load	N_900059040	constant_power_B_reac	1057.05	0.0	528.525	0.0
load	N_900059040	constant_power_C_reac	1057.05	0.0	528.525	0.0
load	N_900059121	constant_power_C	1279.75	420.633	639.875	210.3165
load	N_900059121	constant_power_C_real	1279.75	0.0	639.875	0.0
load	N_900059121	constant_power_C_reac	420.633	0.0	210.3165	0.0
load	N_900059122	constant_power_C	415.503	136.569	207.7515	68.2845
load	N_900059122	constant_power_C_real	415.503	0.0	207.7515	0.0
load	N_900059122	constant_power_C_reac	136.569	0.0	68.2845	0.0
load	N_900058938	constant_power_B	83.101	51.5014	41.5505	25.7507
load	N_900058938	constant_power_C	83.101	51.5014	41.5505	25.7507
load	N_900058938	constant_power_B_real	83.101	0.0	41.5505	0.0
load	N_900058938	constant_power_C_real	83.101	0.0	41.5505	0.0
load	N_900058938	constant_power_B_reac	51.5014	0.0	25.7507	0.0
load	N_900058938	constant_power_C_reac	51.5014	0.0	25.7507	0.0
load	N_900058934	constant_power_B	963.967	316.841	481.9835	158.4205
load	N_900058934	constant_power_C	963.967	316.841	481.9835	158.4205
load	N_900058934	constant_power_B_real	963.967	0.0	481.9835	0.0
load	N_900058934	constant_power_C_real	963.967	0.0	481.9835	0.0
load	N_900058934	constant_power_B_reac	316.841	0.0	158.4205	0.0
load	N_900058934	constant_power_C_reac	316.841	0.0	158.4205	0.0
load	N_900058936	constant_power_B	3207.68	1054.31	1603.84	527.155
load	N_900058936	constant_power_C	3207.68	1054.31	1603.84	527.155
load	N_900058936	constant_power_B_real	3207.68	0.0	1603.84	0.0
load	N_900058936	constant_power_C_real	3207.68	0.0	1603.84	0.0
load	N_900058936	constant_power_B_reac	1054.31	0.0	527.155	0.0
load	N_900058936	constant_power_C_reac	1054.31	0.0	527.155	0.0
load	N_900060857	constant_power_A	1096.93	360.543	548.465	180.2715
load	N_900060857	constant_power_B	1096.93	360.543	548.465	180.2715
load	N_900060857	constant_power_A_real	1096.93	0.0	548.465	0.0
load	N_900060857	constant_power_B_real	1096.93	0.0	548.465	0.0
load	N_900060857	constant_power_A_reac	360.543	0.0	180.2715	0.0
load	N_900060857	constant_power_B_reac	360.543	0.0	180.2715	0.0
load	N_900060851	constant_power_A	5041.43	1657.04	2520.715	828.52
load	N_900060851	constant_power_B	5041.43	1657.04	2520.715	828.52
load	N_900060851	constant_power_C	5041.43	1657.04	2520.715	828.52
load	N_900060851	constant_power_A_real	5041.43	0.0	2520.715	0.0

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900060851	constant_power_B_real	5041.43	0.0	2520.715	0.0
load	N_900060851	constant_power_C_real	5041.43	0.0	2520.715	0.0
load	N_900060851	constant_power_A_reac	1657.04	0.0	828.52	0.0
load	N_900060851	constant_power_B_reac	1657.04	0.0	828.52	0.0
load	N_900060851	constant_power_C_reac	1657.04	0.0	828.52	0.0
load	N_900081063	constant_power_A	10744.9	3531.68	5372.45	1765.84
load	N_900081063	constant_power_C	10744.9	3531.68	5372.45	1765.84
load	N_900081063	constant_power_A_real	10744.9	0.0	5372.45	0.0
load	N_900081063	constant_power_C_real	10744.9	0.0	5372.45	0.0
load	N_900081063	constant_power_A_reac	3531.68	0.0	1765.84	0.0
load	N_900081063	constant_power_C_reac	3531.68	0.0	1765.84	0.0
load	N_900059608	constant_power_A	825.466	271.317	412.733	135.6585
load	N_900059608	constant_power_B	825.466	271.317	412.733	135.6585
load	N_900059608	constant_power_C	825.466	271.317	412.733	135.6585
load	N_900059608	constant_power_A_real	825.466	0.0	412.733	0.0
load	N_900059608	constant_power_B_real	825.466	0.0	412.733	0.0
load	N_900059608	constant_power_C_real	825.466	0.0	412.733	0.0
load	N_900059608	constant_power_A_reac	271.317	0.0	135.6585	0.0
load	N_900059608	constant_power_B_reac	271.317	0.0	135.6585	0.0
load	N_900059608	constant_power_C_reac	271.317	0.0	135.6585	0.0
load	N_900082004	constant_power_A	12852.9	4224.54	6426.45	2112.27
load	N_900082004	constant_power_B	12852.9	4224.54	6426.45	2112.27
load	N_900082004	constant_power_C	12852.9	4224.54	6426.45	2112.27
load	N_900082004	constant_power_A_real	12852.9	0.0	6426.45	0.0
load	N_900082004	constant_power_B_real	12852.9	0.0	6426.45	0.0
load	N_900082004	constant_power_C_real	12852.9	0.0	6426.45	0.0
load	N_900082004	constant_power_A_reac	4224.54	0.0	2112.27	0.0
load	N_900082004	constant_power_B_reac	4224.54	0.0	2112.27	0.0
load	N_900082004	constant_power_C_reac	4224.54	0.0	2112.27	0.0
load	N_900059602	constant_power_A	7074.63	2325.32	3537.315	1162.66
load	N_900059602	constant_power_B	7074.63	2325.32	3537.315	1162.66
load	N_900059602	constant_power_C	7074.63	2325.32	3537.315	1162.66
load	N_900059602	constant_power_A_real	7074.63	0.0	3537.315	0.0
load	N_900059602	constant_power_B_real	7074.63	0.0	3537.315	0.0
load	N_900059602	constant_power_C_real	7074.63	0.0	3537.315	0.0
load	N_900059602	constant_power_A_reac	2325.32	0.0	1162.66	0.0
load	N_900059602	constant_power_B_reac	2325.32	0.0	1162.66	0.0
load	N_900059602	constant_power_C_reac	2325.32	0.0	1162.66	0.0
load	N_900056618	constant_power_B	8958.24	2944.43	4479.12	1472.215
load	N_900056618	constant_power_C	8958.24	2944.43	4479.12	1472.215
load	N_900056618	constant_power_B_real	8958.24	0.0	4479.12	0.0
load	N_900056618	constant_power_C_real	8958.24	0.0	4479.12	0.0
load	N_900056618	constant_power_B_reac	2944.43	0.0	1472.215	0.0
load	N_900056618	constant_power_C_reac	2944.43	0.0	1472.215	0.0
load	N_900026380	constant_power_C	5035.9	1655.22	2517.95	827.61
load	N_900026380	constant_power_C_real	5035.9	0.0	2517.95	0.0
load	N_900026380	constant_power_C_reac	1655.22	0.0	827.61	0.0
load	N_900056612	constant_power_A	1113.55	690.115	556.775	345.0575
load	N_900056612	constant_power_B	1113.55	690.115	556.775	345.0575
load	N_900056612	constant_power_A_real	1113.55	0.0	556.775	0.0
load	N_900056612	constant_power_B_real	1113.55	0.0	556.775	0.0
load	N_900056612	constant_power_A_reac	690.115	0.0	345.0575	0.0
load	N_900056612	constant_power_B_reac	690.115	0.0	345.0575	0.0
load	N_900056614	constant_power_A	1662.01	662.376	831.005	331.188
load	N_900056614	constant_power_B	1662.01	662.376	831.005	331.188
load	N_900056614	constant_power_C	1662.01	662.376	831.005	331.188
load	N_900056614	constant_power_A_real	1662.01	0.0	831.005	0.0
load	N_900056614	constant_power_B_real	1662.01	0.0	831.005	0.0
load	N_900056614	constant_power_C_real	1662.01	0.0	831.005	0.0
load	N_900056614	constant_power_A_reac	662.376	0.0	331.188	0.0
load	N_900056614	constant_power_B_reac	662.376	0.0	331.188	0.0
load	N_900056614	constant_power_C_reac	662.376	0.0	331.188	0.0
load	N_900076490	constant_power_A	9548.25	3138.36	4774.125	1569.18

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900076490	constant_power_C	9548.25	3138.36	4774.125	1569.18
load	N_900076490	constant_power_A_real	9548.25	0.0	4774.125	0.0
load	N_900076490	constant_power_C_real	9548.25	0.0	4774.125	0.0
load	N_900076490	constant_power_A_reac	3138.36	0.0	1569.18	0.0
load	N_900076490	constant_power_C_reac	3138.36	0.0	1569.18	0.0
load	N_900076499	constant_power_A	14177.0	4659.74	7088.5	2329.87
load	N_900076499	constant_power_C	14177.0	4659.74	7088.5	2329.87
load	N_900076499	constant_power_A_real	14177.0	0.0	7088.5	0.0
load	N_900076499	constant_power_C_real	14177.0	0.0	7088.5	0.0
load	N_900076499	constant_power_A_reac	4659.74	0.0	2329.87	0.0
load	N_900076499	constant_power_C_reac	4659.74	0.0	2329.87	0.0
load	N_900058988	constant_power_B	3249.23	1067.97	1624.615	533.985
load	N_900058988	constant_power_C	3249.23	1067.97	1624.615	533.985
load	N_900058988	constant_power_B_real	3249.23	0.0	1624.615	0.0
load	N_900058988	constant_power_C_real	3249.23	0.0	1624.615	0.0
load	N_900058988	constant_power_B_reac	1067.97	0.0	533.985	0.0
load	N_900058988	constant_power_C_reac	1067.97	0.0	533.985	0.0
load	N_900056628	constant_power_C	2210.47	726.548	1105.235	363.274
load	N_900056628	constant_power_C_real	2210.47	0.0	1105.235	0.0
load	N_900056628	constant_power_C_reac	726.548	0.0	363.274	0.0
load	N_900080777	constant_power_B	13811.3	4539.56	6905.65	2269.78
load	N_900080777	constant_power_C	13811.3	4539.56	6905.65	2269.78
load	N_900080777	constant_power_B_real	13811.3	0.0	6905.65	0.0
load	N_900080777	constant_power_C_real	13811.3	0.0	6905.65	0.0
load	N_900080777	constant_power_B_reac	4539.56	0.0	2269.78	0.0
load	N_900080777	constant_power_C_reac	4539.56	0.0	2269.78	0.0
load	N_900058980	constant_power_B	2019.34	663.726	1009.67	331.863
load	N_900058980	constant_power_C	2019.34	663.726	1009.67	331.863
load	N_900058980	constant_power_B_real	2019.34	0.0	1009.67	0.0
load	N_900058980	constant_power_C_real	2019.34	0.0	1009.67	0.0
load	N_900058980	constant_power_B_reac	663.726	0.0	331.863	0.0
load	N_900058980	constant_power_C_reac	663.726	0.0	331.863	0.0
load	N_900058982	constant_power_B	5310.13	1745.35	2655.065	872.675
load	N_900058982	constant_power_C	5310.13	1745.35	2655.065	872.675
load	N_900058982	constant_power_B_real	5310.13	0.0	2655.065	0.0
load	N_900058982	constant_power_C_real	5310.13	0.0	2655.065	0.0
load	N_900058982	constant_power_B_reac	1745.35	0.0	872.675	0.0
load	N_900058982	constant_power_C_reac	1745.35	0.0	872.675	0.0
load	N_900080773	constant_power_B	11019.1	3621.81	5509.55	1810.905
load	N_900080773	constant_power_C	11019.1	3621.81	5509.55	1810.905
load	N_900080773	constant_power_B_real	11019.1	0.0	5509.55	0.0
load	N_900080773	constant_power_C_real	11019.1	0.0	5509.55	0.0
load	N_900080773	constant_power_B_reac	3621.81	0.0	1810.905	0.0
load	N_900080773	constant_power_C_reac	3621.81	0.0	1810.905	0.0
load	N_900058984	constant_power_B	2650.91	871.311	1325.455	435.6555
load	N_900058984	constant_power_C	2650.91	871.311	1325.455	435.6555
load	N_900058984	constant_power_B_real	2650.91	0.0	1325.455	0.0
load	N_900058984	constant_power_C_real	2650.91	0.0	1325.455	0.0
load	N_900058984	constant_power_B_reac	871.311	0.0	435.6555	0.0
load	N_900058984	constant_power_C_reac	871.311	0.0	435.6555	0.0
load	N_900019943	constant_power_A	17093.8	5618.46	8546.9	2809.23
load	N_900019943	constant_power_B	17093.8	5618.46	8546.9	2809.23
load	N_900019943	constant_power_A_real	17093.8	0.0	8546.9	0.0
load	N_900019943	constant_power_B_real	17093.8	0.0	8546.9	0.0
load	N_900019943	constant_power_A_reac	5618.46	0.0	2809.23	0.0
load	N_900019943	constant_power_B_reac	5618.46	0.0	2809.23	0.0
load	N_900056668	constant_power_A	2426.54	797.564	1213.27	398.782
load	N_900056668	constant_power_B	2426.54	797.564	1213.27	398.782
load	N_900056668	constant_power_A_real	2426.54	0.0	1213.27	0.0
load	N_900056668	constant_power_B_real	2426.54	0.0	1213.27	0.0
load	N_900056668	constant_power_A_reac	797.564	0.0	398.782	0.0
load	N_900056668	constant_power_B_reac	797.564	0.0	398.782	0.0
load	N_900056664	constant_power_A	16886.0	5550.17	8443.0	2775.085

Table 6: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_900056664	constant_power_B	16886.0	5550.17	8443.0	2775.085
load	N_900056664	constant_power_A_real	16886.0	0.0	8443.0	0.0
load	N_900056664	constant_power_B_real	16886.0	0.0	8443.0	0.0
load	N_900056664	constant_power_A_reac	5550.17	0.0	2775.085	0.0
load	N_900056664	constant_power_B_reac	5550.17	0.0	2775.085	0.0
load	N_900019003	constant_power_A	13262.9	4564.07	6631.45	2282.035
load	N_900019003	constant_power_B	13262.9	4564.07	6631.45	2282.035
load	N_900019003	constant_power_C	13262.9	4564.07	6631.45	2282.035
load	N_900019003	constant_power_A_real	13262.9	0.0	6631.45	0.0
load	N_900019003	constant_power_B_real	13262.9	0.0	6631.45	0.0
load	N_900019003	constant_power_C_real	13262.9	0.0	6631.45	0.0
load	N_900019003	constant_power_A_reac	4564.07	0.0	2282.035	0.0
load	N_900019003	constant_power_B_reac	4564.07	0.0	2282.035	0.0
load	N_900019003	constant_power_C_reac	4564.07	0.0	2282.035	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100017199	constant_power_A	7899.31	2596.38	3949.655	1298.19
load	N_1100017199	constant_power_B	7899.31	2596.38	3949.655	1298.19
load	N_1100017199	constant_power_A_real	7899.31	0.0	3949.655	0.0
load	N_1100017199	constant_power_B_real	7899.31	0.0	3949.655	0.0
load	N_1100017199	constant_power_A_reac	2596.38	0.0	1298.19	0.0
load	N_1100017199	constant_power_B_reac	2596.38	0.0	1298.19	0.0
load	N_1100041120	constant_power_A	11038.8	3628.27	5519.4	1814.135
load	N_1100041120	constant_power_B	11038.8	3628.27	5519.4	1814.135
load	N_1100041120	constant_power_C	11038.8	3628.27	5519.4	1814.135
load	N_1100041120	constant_power_A_real	11038.8	0.0	5519.4	0.0
load	N_1100041120	constant_power_B_real	11038.8	0.0	5519.4	0.0
load	N_1100041120	constant_power_C_real	11038.8	0.0	5519.4	0.0
load	N_1100041120	constant_power_A_reac	3628.27	0.0	1814.135	0.0
load	N_1100041120	constant_power_B_reac	3628.27	0.0	1814.135	0.0
load	N_1100041120	constant_power_C_reac	3628.27	0.0	1814.135	0.0
load	N_110006161	constant_power_A	4990.74	1640.38	2495.37	820.19
load	N_110006161	constant_power_B	4990.74	1640.38	2495.37	820.19
load	N_110006161	constant_power_C	4990.74	1640.38	2495.37	820.19
load	N_110006161	constant_power_A_real	4990.74	0.0	2495.37	0.0
load	N_110006161	constant_power_B_real	4990.74	0.0	2495.37	0.0
load	N_110006161	constant_power_C_real	4990.74	0.0	2495.37	0.0
load	N_110006161	constant_power_A_reac	1640.38	0.0	820.19	0.0
load	N_110006161	constant_power_B_reac	1640.38	0.0	820.19	0.0
load	N_110006161	constant_power_C_reac	1640.38	0.0	820.19	0.0
load	N_1100080115	constant_power_A	18356.8	6033.58	9178.4	3016.79
load	N_1100080115	constant_power_B	18356.8	6033.58	9178.4	3016.79
load	N_1100080115	constant_power_A_real	18356.8	0.0	9178.4	0.0
load	N_1100080115	constant_power_B_real	18356.8	0.0	9178.4	0.0
load	N_1100080115	constant_power_A_reac	6033.58	0.0	3016.79	0.0
load	N_1100080115	constant_power_B_reac	6033.58	0.0	3016.79	0.0
load	N_1100123665	constant_power_A	1571.76	516.612	785.88	258.306
load	N_1100123665	constant_power_B	1571.76	516.612	785.88	258.306
load	N_1100123665	constant_power_C	1571.76	516.612	785.88	258.306
load	N_1100123665	constant_power_A_real	1571.76	0.0	785.88	0.0
load	N_1100123665	constant_power_B_real	1571.76	0.0	785.88	0.0
load	N_1100123665	constant_power_C_real	1571.76	0.0	785.88	0.0
load	N_1100123665	constant_power_A_reac	516.612	0.0	258.306	0.0
load	N_1100123665	constant_power_B_reac	516.612	0.0	258.306	0.0
load	N_1100123665	constant_power_C_reac	516.612	0.0	258.306	0.0
load	N_1100058567	constant_power_A	31949.6	10501.3	15974.8	5250.65
load	N_1100058567	constant_power_B	31949.6	10501.3	15974.8	5250.65
load	N_1100058567	constant_power_A_real	31949.6	0.0	15974.8	0.0
load	N_1100058567	constant_power_B_real	31949.6	0.0	15974.8	0.0
load	N_1100058567	constant_power_A_reac	10501.3	0.0	5250.65	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100058567	constant_power_B_reac	10501.3	0.0	5250.65	0.0
load	N_1100080116	constant_power_A	23728.3	7799.11	11864.15	3899.555
load	N_1100080116	constant_power_B	23728.3	7799.11	11864.15	3899.555
load	N_1100080116	constant_power_A_real	23728.3	0.0	11864.15	0.0
load	N_1100080116	constant_power_B_real	23728.3	0.0	11864.15	0.0
load	N_1100080116	constant_power_A_reac	7799.11	0.0	3899.555	0.0
load	N_1100080116	constant_power_B_reac	7799.11	0.0	3899.555	0.0
load	N_1100005152	constant_power_A	1324.65	435.392	662.325	217.696
load	N_1100005152	constant_power_B	1324.65	435.392	662.325	217.696
load	N_1100005152	constant_power_C	1324.65	435.392	662.325	217.696
load	N_1100005152	constant_power_A_real	1324.65	0.0	662.325	0.0
load	N_1100005152	constant_power_B_real	1324.65	0.0	662.325	0.0
load	N_1100005152	constant_power_C_real	1324.65	0.0	662.325	0.0
load	N_1100005152	constant_power_A_reac	435.392	0.0	217.696	0.0
load	N_1100005152	constant_power_B_reac	435.392	0.0	217.696	0.0
load	N_1100005152	constant_power_C_reac	435.392	0.0	217.696	0.0
load	N_1100017190	constant_power_A	26699.7	8775.75	13349.85	4387.875
load	N_1100017190	constant_power_B	26699.7	8775.75	13349.85	4387.875
load	N_1100017190	constant_power_A_real	26699.7	0.0	13349.85	0.0
load	N_1100017190	constant_power_B_real	26699.7	0.0	13349.85	0.0
load	N_1100017190	constant_power_A_reac	8775.75	0.0	4387.875	0.0
load	N_1100017190	constant_power_B_reac	8775.75	0.0	4387.875	0.0
load	N_1100017193	constant_power_A	2813.37	924.709	1406.685	462.3545
load	N_1100017193	constant_power_B	2813.37	924.709	1406.685	462.3545
load	N_1100017193	constant_power_A_real	2813.37	0.0	1406.685	0.0
load	N_1100017193	constant_power_B_real	2813.37	0.0	1406.685	0.0
load	N_1100017193	constant_power_A_reac	924.709	0.0	462.3545	0.0
load	N_1100017193	constant_power_B_reac	924.709	0.0	462.3545	0.0
load	N_1100065409	constant_power_A	26183.2	8605.99	13091.6	4302.995
load	N_1100065409	constant_power_B	26183.2	8605.99	13091.6	4302.995
load	N_1100065409	constant_power_A_real	26183.2	0.0	13091.6	0.0
load	N_1100065409	constant_power_B_real	26183.2	0.0	13091.6	0.0
load	N_1100065409	constant_power_A_reac	8605.99	0.0	4302.995	0.0
load	N_1100065409	constant_power_B_reac	8605.99	0.0	4302.995	0.0
load	N_1100015719	constant_power_A	26329.0	8653.92	13164.5	4326.96
load	N_1100015719	constant_power_B	26329.0	8653.92	13164.5	4326.96
load	N_1100015719	constant_power_A_real	26329.0	0.0	13164.5	0.0
load	N_1100015719	constant_power_B_real	26329.0	0.0	13164.5	0.0
load	N_1100015719	constant_power_A_reac	8653.92	0.0	4326.96	0.0
load	N_1100015719	constant_power_B_reac	8653.92	0.0	4326.96	0.0
load	N_1100017194	constant_power_A	6179.69	2193.88	3089.845	1096.94
load	N_1100017194	constant_power_B	6179.69	2193.88	3089.845	1096.94
load	N_1100017194	constant_power_A_real	6179.69	0.0	3089.845	0.0
load	N_1100017194	constant_power_B_real	6179.69	0.0	3089.845	0.0
load	N_1100017194	constant_power_A_reac	2193.88	0.0	1096.94	0.0
load	N_1100017194	constant_power_B_reac	2193.88	0.0	1096.94	0.0
load	N_1100122386	constant_power_A	21893.2	7195.96	10946.6	3597.98
load	N_1100122386	constant_power_B	21893.2	7195.96	10946.6	3597.98
load	N_1100122386	constant_power_A_real	21893.2	0.0	10946.6	0.0
load	N_1100122386	constant_power_B_real	21893.2	0.0	10946.6	0.0
load	N_1100122386	constant_power_A_reac	7195.96	0.0	3597.98	0.0
load	N_1100122386	constant_power_B_reac	7195.96	0.0	3597.98	0.0
load	N_1100079902	constant_power_A	6319.44	2077.1	3159.72	1038.55
load	N_1100079902	constant_power_B	6319.44	2077.1	3159.72	1038.55
load	N_1100079902	constant_power_C	6319.44	2077.1	3159.72	1038.55
load	N_1100079902	constant_power_A_real	6319.44	0.0	3159.72	0.0
load	N_1100079902	constant_power_B_real	6319.44	0.0	3159.72	0.0
load	N_1100079902	constant_power_C_real	6319.44	0.0	3159.72	0.0
load	N_1100079902	constant_power_A_reac	2077.1	0.0	1038.55	0.0
load	N_1100079902	constant_power_B_reac	2077.1	0.0	1038.55	0.0
load	N_1100079902	constant_power_C_reac	2077.1	0.0	1038.55	0.0
load	N_1100123734	constant_power_A	5146.7	1691.64	2573.35	845.82
load	N_1100123734	constant_power_B	5146.7	1691.64	2573.35	845.82

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100123734	constant_power_A_real	5146.7	0.0	2573.35	0.0
load	N_1100123734	constant_power_B_real	5146.7	0.0	2573.35	0.0
load	N_1100123734	constant_power_A_reac	1691.64	0.0	845.82	0.0
load	N_1100123734	constant_power_B_reac	1691.64	0.0	845.82	0.0
load	N_1100123737	constant_power_A	3520.25	2181.66	1760.125	1090.83
load	N_1100123737	constant_power_B	3520.25	2181.66	1760.125	1090.83
load	N_1100123737	constant_power_C	3520.25	2181.66	1760.125	1090.83
load	N_1100123737	constant_power_A_real	3520.25	0.0	1760.125	0.0
load	N_1100123737	constant_power_B_real	3520.25	0.0	1760.125	0.0
load	N_1100123737	constant_power_C_real	3520.25	0.0	1760.125	0.0
load	N_1100123737	constant_power_A_reac	2181.66	0.0	1090.83	0.0
load	N_1100123737	constant_power_B_reac	2181.66	0.0	1090.83	0.0
load	N_1100123737	constant_power_C_reac	2181.66	0.0	1090.83	0.0
load	N_1100079901	constant_power_A	10216.4	3357.98	5108.2	1678.99
load	N_1100079901	constant_power_B	10216.4	3357.98	5108.2	1678.99
load	N_1100079901	constant_power_C	10216.4	3357.98	5108.2	1678.99
load	N_1100079901	constant_power_A_real	10216.4	0.0	5108.2	0.0
load	N_1100079901	constant_power_B_real	10216.4	0.0	5108.2	0.0
load	N_1100079901	constant_power_C_real	10216.4	0.0	5108.2	0.0
load	N_1100079901	constant_power_A_reac	3357.98	0.0	1678.99	0.0
load	N_1100079901	constant_power_B_reac	3357.98	0.0	1678.99	0.0
load	N_1100079901	constant_power_C_reac	3357.98	0.0	1678.99	0.0
load	N_1100042562	constant_power_A	19547.7	6428.57	9773.85	3214.285
load	N_1100042562	constant_power_B	19547.7	6428.57	9773.85	3214.285
load	N_1100042562	constant_power_A_real	19547.7	0.0	9773.85	0.0
load	N_1100042562	constant_power_B_real	19547.7	0.0	9773.85	0.0
load	N_1100042562	constant_power_A_reac	6428.57	0.0	3214.285	0.0
load	N_1100042562	constant_power_B_reac	6428.57	0.0	3214.285	0.0
load	N_1100042563	constant_power_A	10645.8	3499.12	5322.9	1749.56
load	N_1100042563	constant_power_B	10645.8	3499.12	5322.9	1749.56
load	N_1100042563	constant_power_A_real	10645.8	0.0	5322.9	0.0
load	N_1100042563	constant_power_B_real	10645.8	0.0	5322.9	0.0
load	N_1100042563	constant_power_A_reac	3499.12	0.0	1749.56	0.0
load	N_1100042563	constant_power_B_reac	3499.12	0.0	1749.56	0.0
load	N_1100042560	constant_power_A	13009.5	4276.03	6504.75	2138.015
load	N_1100042560	constant_power_B	13009.5	4276.03	6504.75	2138.015
load	N_1100042560	constant_power_A_real	13009.5	0.0	6504.75	0.0
load	N_1100042560	constant_power_B_real	13009.5	0.0	6504.75	0.0
load	N_1100042560	constant_power_A_reac	4276.03	0.0	2138.015	0.0
load	N_1100042560	constant_power_B_reac	4276.03	0.0	2138.015	0.0
load	N_1100123732	constant_power_A	1008.68	331.537	504.34	165.7685
load	N_1100123732	constant_power_B	1008.68	331.537	504.34	165.7685
load	N_1100123732	constant_power_C	1008.68	331.537	504.34	165.7685
load	N_1100123732	constant_power_A_real	1008.68	0.0	504.34	0.0
load	N_1100123732	constant_power_B_real	1008.68	0.0	504.34	0.0
load	N_1100123732	constant_power_C_real	1008.68	0.0	504.34	0.0
load	N_1100123732	constant_power_A_reac	331.537	0.0	165.7685	0.0
load	N_1100123732	constant_power_B_reac	331.537	0.0	165.7685	0.0
load	N_1100123732	constant_power_C_reac	331.537	0.0	165.7685	0.0
load	N_1100065000	constant_power_A	20108.8	6609.44	10054.4	3304.72
load	N_1100065000	constant_power_B	20108.8	6609.44	10054.4	3304.72
load	N_1100065000	constant_power_C	20108.8	6609.44	10054.4	3304.72
load	N_1100065000	constant_power_A_real	20108.8	0.0	10054.4	0.0
load	N_1100065000	constant_power_B_real	20108.8	0.0	10054.4	0.0
load	N_1100065000	constant_power_C_real	20108.8	0.0	10054.4	0.0
load	N_1100065000	constant_power_A_reac	6609.44	0.0	3304.72	0.0
load	N_1100065000	constant_power_B_reac	6609.44	0.0	3304.72	0.0
load	N_1100065000	constant_power_C_reac	6609.44	0.0	3304.72	0.0
load	N_1100065001	constant_power_A	30438.7	10004.7	15219.35	5002.35
load	N_1100065001	constant_power_B	30438.7	10004.7	15219.35	5002.35
load	N_1100065001	constant_power_C	30438.7	10004.7	15219.35	5002.35
load	N_1100065001	constant_power_A_real	30438.7	0.0	15219.35	0.0
load	N_1100065001	constant_power_B_real	30438.7	0.0	15219.35	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100065001	constant_power_C_real	30438.7	0.0	15219.35	0.0
load	N_1100065001	constant_power_A_reac	10004.7	0.0	5002.35	0.0
load	N_1100065001	constant_power_B_reac	10004.7	0.0	5002.35	0.0
load	N_1100065001	constant_power_C_reac	10004.7	0.0	5002.35	0.0
load	N_1100123630	constant_power_A	10615.5	3489.13	5307.75	1744.565
load	N_1100123630	constant_power_B	10615.5	3489.13	5307.75	1744.565
load	N_1100123630	constant_power_A_real	10615.5	0.0	5307.75	0.0
load	N_1100123630	constant_power_B_real	10615.5	0.0	5307.75	0.0
load	N_1100123630	constant_power_A_reac	3489.13	0.0	1744.565	0.0
load	N_1100123630	constant_power_B_reac	3489.13	0.0	1744.565	0.0
load	N_1100080007	constant_power_A	33116.3	10884.8	16558.15	5442.4
load	N_1100080007	constant_power_B	33116.3	10884.8	16558.15	5442.4
load	N_1100080007	constant_power_A_real	33116.3	0.0	16558.15	0.0
load	N_1100080007	constant_power_B_real	33116.3	0.0	16558.15	0.0
load	N_1100080007	constant_power_A_reac	10884.8	0.0	5442.4	0.0
load	N_1100080007	constant_power_B_reac	10884.8	0.0	5442.4	0.0
load	N_1100080114	constant_power_A	29488.7	9692.47	14744.35	4846.235
load	N_1100080114	constant_power_B	29488.7	9692.47	14744.35	4846.235
load	N_1100080114	constant_power_A_real	29488.7	0.0	14744.35	0.0
load	N_1100080114	constant_power_B_real	29488.7	0.0	14744.35	0.0
load	N_1100080114	constant_power_A_reac	9692.47	0.0	4846.235	0.0
load	N_1100080114	constant_power_B_reac	9692.47	0.0	4846.235	0.0
load	N_1100079933	constant_power_A	92000.0	57016.5	46000.0	28508.25
load	N_1100079933	constant_power_B	92000.0	57016.5	46000.0	28508.25
load	N_1100079933	constant_power_C	92000.0	57016.5	46000.0	28508.25
load	N_1100079933	constant_power_A_real	92000.0	0.0	46000.0	0.0
load	N_1100079933	constant_power_B_real	92000.0	0.0	46000.0	0.0
load	N_1100079933	constant_power_C_real	92000.0	0.0	46000.0	0.0
load	N_1100079933	constant_power_A_reac	57016.5	0.0	28508.25	0.0
load	N_1100079933	constant_power_B_reac	57016.5	0.0	28508.25	0.0
load	N_1100079933	constant_power_C_reac	57016.5	0.0	28508.25	0.0
load	N_1100122414	constant_power_A	9825.52	3256.02	4912.76	1628.01
load	N_1100122414	constant_power_B	9825.52	3256.02	4912.76	1628.01
load	N_1100122414	constant_power_A_real	9825.52	0.0	4912.76	0.0
load	N_1100122414	constant_power_B_real	9825.52	0.0	4912.76	0.0
load	N_1100122414	constant_power_A_reac	3256.02	0.0	1628.01	0.0
load	N_1100122414	constant_power_B_reac	3256.02	0.0	1628.01	0.0
load	N_1100123785	constant_power_A	3775.46	1240.93	1887.73	620.465
load	N_1100123785	constant_power_B	3775.46	1240.93	1887.73	620.465
load	N_1100123785	constant_power_C	3775.46	1240.93	1887.73	620.465
load	N_1100123785	constant_power_A_real	3775.46	0.0	1887.73	0.0
load	N_1100123785	constant_power_B_real	3775.46	0.0	1887.73	0.0
load	N_1100123785	constant_power_C_real	3775.46	0.0	1887.73	0.0
load	N_1100123785	constant_power_A_reac	1240.93	0.0	620.465	0.0
load	N_1100123785	constant_power_B_reac	1240.93	0.0	620.465	0.0
load	N_1100123785	constant_power_C_reac	1240.93	0.0	620.465	0.0
load	N_1100044787	constant_power_A	1502.89	493.977	751.445	246.9885
load	N_1100044787	constant_power_B	1502.89	493.977	751.445	246.9885
load	N_1100044787	constant_power_C	1502.89	493.977	751.445	246.9885
load	N_1100044787	constant_power_A_real	1502.89	0.0	751.445	0.0
load	N_1100044787	constant_power_B_real	1502.89	0.0	751.445	0.0
load	N_1100044787	constant_power_C_real	1502.89	0.0	751.445	0.0
load	N_1100044787	constant_power_A_reac	493.977	0.0	246.9885	0.0
load	N_1100044787	constant_power_B_reac	493.977	0.0	246.9885	0.0
load	N_1100044787	constant_power_C_reac	493.977	0.0	246.9885	0.0
load	N_1100079980	constant_power_A	23596.6	7755.84	11798.3	3877.92
load	N_1100079980	constant_power_B	23596.6	7755.84	11798.3	3877.92
load	N_1100079980	constant_power_C	23596.6	7755.84	11798.3	3877.92
load	N_1100079980	constant_power_A_real	23596.6	0.0	11798.3	0.0
load	N_1100079980	constant_power_B_real	23596.6	0.0	11798.3	0.0
load	N_1100079980	constant_power_C_real	23596.6	0.0	11798.3	0.0
load	N_1100079980	constant_power_A_reac	7755.84	0.0	3877.92	0.0
load	N_1100079980	constant_power_B_reac	7755.84	0.0	3877.92	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100079980	constant_power_C_reac	7755.84	0.0	3877.92	0.0
load	N_1100041003	constant_power_A	31074.6	10213.7	15537.3	5106.85
load	N_1100041003	constant_power_B	31074.6	10213.7	15537.3	5106.85
load	N_1100041003	constant_power_A_real	31074.6	0.0	15537.3	0.0
load	N_1100041003	constant_power_B_real	31074.6	0.0	15537.3	0.0
load	N_1100041003	constant_power_A_reac	10213.7	0.0	5106.85	0.0
load	N_1100041003	constant_power_B_reac	10213.7	0.0	5106.85	0.0
load	N_1100079984	constant_power_A	21372.7	7024.86	10686.35	3512.43
load	N_1100079984	constant_power_B	21372.7	7024.86	10686.35	3512.43
load	N_1100079984	constant_power_C	21372.7	7024.86	10686.35	3512.43
load	N_1100079984	constant_power_A_real	21372.7	0.0	10686.35	0.0
load	N_1100079984	constant_power_B_real	21372.7	0.0	10686.35	0.0
load	N_1100079984	constant_power_C_real	21372.7	0.0	10686.35	0.0
load	N_1100079984	constant_power_A_reac	7024.86	0.0	3512.43	0.0
load	N_1100079984	constant_power_B_reac	7024.86	0.0	3512.43	0.0
load	N_1100079984	constant_power_C_reac	7024.86	0.0	3512.43	0.0
load	N_1100042736	constant_power_A	25144.1	8264.46	12572.05	4132.23
load	N_1100042736	constant_power_B	25144.1	8264.46	12572.05	4132.23
load	N_1100042736	constant_power_A_real	25144.1	0.0	12572.05	0.0
load	N_1100042736	constant_power_B_real	25144.1	0.0	12572.05	0.0
load	N_1100042736	constant_power_A_reac	8264.46	0.0	4132.23	0.0
load	N_1100042736	constant_power_B_reac	8264.46	0.0	4132.23	0.0
load	N_1100017191	constant_power_A	7684.61	2525.81	3842.305	1262.905
load	N_1100017191	constant_power_B	7684.61	2525.81	3842.305	1262.905
load	N_1100017191	constant_power_C	7684.61	2525.81	3842.305	1262.905
load	N_1100017191	constant_power_A_real	7684.61	0.0	3842.305	0.0
load	N_1100017191	constant_power_B_real	7684.61	0.0	3842.305	0.0
load	N_1100017191	constant_power_C_real	7684.61	0.0	3842.305	0.0
load	N_1100017191	constant_power_A_reac	2525.81	0.0	1262.905	0.0
load	N_1100017191	constant_power_B_reac	2525.81	0.0	1262.905	0.0
load	N_1100017191	constant_power_C_reac	2525.81	0.0	1262.905	0.0
load	N_1100042559	constant_power_A	1571.76	516.612	785.88	258.306
load	N_1100042559	constant_power_B	1571.76	516.612	785.88	258.306
load	N_1100042559	constant_power_C	1571.76	516.612	785.88	258.306
load	N_1100042559	constant_power_A_real	1571.76	0.0	785.88	0.0
load	N_1100042559	constant_power_B_real	1571.76	0.0	785.88	0.0
load	N_1100042559	constant_power_C_real	1571.76	0.0	785.88	0.0
load	N_1100042559	constant_power_A_reac	516.612	0.0	258.306	0.0
load	N_1100042559	constant_power_B_reac	516.612	0.0	258.306	0.0
load	N_1100042559	constant_power_C_reac	516.612	0.0	258.306	0.0
load	N_1100006794	constant_power_A	2418.4	794.891	1209.2	397.4455
load	N_1100006794	constant_power_B	2418.4	794.891	1209.2	397.4455
load	N_1100006794	constant_power_C	2418.4	794.891	1209.2	397.4455
load	N_1100006794	constant_power_A_real	2418.4	0.0	1209.2	0.0
load	N_1100006794	constant_power_B_real	2418.4	0.0	1209.2	0.0
load	N_1100006794	constant_power_C_real	2418.4	0.0	1209.2	0.0
load	N_1100006794	constant_power_A_reac	794.891	0.0	397.4455	0.0
load	N_1100006794	constant_power_B_reac	794.891	0.0	397.4455	0.0
load	N_1100006794	constant_power_C_reac	794.891	0.0	397.4455	0.0
load	N_1100123629	constant_power_A	9855.9	3239.48	4927.95	1619.74
load	N_1100123629	constant_power_B	9855.9	3239.48	4927.95	1619.74
load	N_1100123629	constant_power_A_real	9855.9	0.0	4927.95	0.0
load	N_1100123629	constant_power_B_real	9855.9	0.0	4927.95	0.0
load	N_1100123629	constant_power_A_reac	3239.48	0.0	1619.74	0.0
load	N_1100123629	constant_power_B_reac	3239.48	0.0	1619.74	0.0
load	N_1100058566	constant_power_A	36355.0	11949.3	18177.5	5974.65
load	N_1100058566	constant_power_B	36355.0	11949.3	18177.5	5974.65
load	N_1100058566	constant_power_A_real	36355.0	0.0	18177.5	0.0
load	N_1100058566	constant_power_B_real	36355.0	0.0	18177.5	0.0
load	N_1100058566	constant_power_A_reac	11949.3	0.0	5974.65	0.0
load	N_1100058566	constant_power_B_reac	11949.3	0.0	5974.65	0.0
load	N_1100043929	constant_power_A	30722.2	10097.9	15361.1	5048.95
load	N_1100043929	constant_power_B	30722.2	10097.9	15361.1	5048.95

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100043929	constant_power_A_real	30722.2	0.0	15361.1	0.0
load	N_1100043929	constant_power_B_real	30722.2	0.0	15361.1	0.0
load	N_1100043929	constant_power_A_reac	10097.9	0.0	5048.95	0.0
load	N_1100043929	constant_power_B_reac	10097.9	0.0	5048.95	0.0
load	N_1100122410	constant_power_A	11946.2	3926.52	5973.1	1963.26
load	N_1100122410	constant_power_B	11946.2	3926.52	5973.1	1963.26
load	N_1100122410	constant_power_A_real	11946.2	0.0	5973.1	0.0
load	N_1100122410	constant_power_B_real	11946.2	0.0	5973.1	0.0
load	N_1100122410	constant_power_A_reac	3926.52	0.0	1963.26	0.0
load	N_1100122410	constant_power_B_reac	3926.52	0.0	1963.26	0.0
load	N_1100015965	constant_power_A	24986.1	8212.54	12493.05	4106.27
load	N_1100015965	constant_power_B	24986.1	8212.54	12493.05	4106.27
load	N_1100015965	constant_power_A_real	24986.1	0.0	12493.05	0.0
load	N_1100015965	constant_power_B_real	24986.1	0.0	12493.05	0.0
load	N_1100015965	constant_power_A_reac	8212.54	0.0	4106.27	0.0
load	N_1100015965	constant_power_B_reac	8212.54	0.0	4106.27	0.0
load	N_1100080078	constant_power_A	22646.7	7443.61	11323.35	3721.805
load	N_1100080078	constant_power_B	22646.7	7443.61	11323.35	3721.805
load	N_1100080078	constant_power_A_real	22646.7	0.0	11323.35	0.0
load	N_1100080078	constant_power_B_real	22646.7	0.0	11323.35	0.0
load	N_1100080078	constant_power_A_reac	7443.61	0.0	3721.805	0.0
load	N_1100080078	constant_power_B_reac	7443.61	0.0	3721.805	0.0
load	N_1100080079	constant_power_A	21109.4	6938.32	10554.7	3469.16
load	N_1100080079	constant_power_B	21109.4	6938.32	10554.7	3469.16
load	N_1100080079	constant_power_A_real	21109.4	0.0	10554.7	0.0
load	N_1100080079	constant_power_B_real	21109.4	0.0	10554.7	0.0
load	N_1100080079	constant_power_A_reac	6938.32	0.0	3469.16	0.0
load	N_1100080079	constant_power_B_reac	6938.32	0.0	3469.16	0.0
load	N_1100079914	constant_power_A	26614.6	8747.79	13307.3	4373.895
load	N_1100079914	constant_power_B	26614.6	8747.79	13307.3	4373.895
load	N_1100079914	constant_power_A_real	26614.6	0.0	13307.3	0.0
load	N_1100079914	constant_power_B_real	26614.6	0.0	13307.3	0.0
load	N_1100079914	constant_power_A_reac	8747.79	0.0	4373.895	0.0
load	N_1100079914	constant_power_B_reac	8747.79	0.0	4373.895	0.0
load	N_1100080074	constant_power_A	18289.9	6011.61	9144.95	3005.805
load	N_1100080074	constant_power_B	18289.9	6011.61	9144.95	3005.805
load	N_1100080074	constant_power_A_real	18289.9	0.0	9144.95	0.0
load	N_1100080074	constant_power_B_real	18289.9	0.0	9144.95	0.0
load	N_1100080074	constant_power_A_reac	6011.61	0.0	3005.805	0.0
load	N_1100080074	constant_power_B_reac	6011.61	0.0	3005.805	0.0
load	N_1100080075	constant_power_A	33438.4	10990.7	16719.2	5495.35
load	N_1100080075	constant_power_B	33438.4	10990.7	16719.2	5495.35
load	N_1100080075	constant_power_A_real	33438.4	0.0	16719.2	0.0
load	N_1100080075	constant_power_B_real	33438.4	0.0	16719.2	0.0
load	N_1100080075	constant_power_A_reac	10990.7	0.0	5495.35	0.0
load	N_1100080075	constant_power_B_reac	10990.7	0.0	5495.35	0.0
load	N_1100005148	constant_power_A	2223.96	730.98	1111.98	365.49
load	N_1100005148	constant_power_B	2223.96	730.98	1111.98	365.49
load	N_1100005148	constant_power_C	2223.96	730.98	1111.98	365.49
load	N_1100005148	constant_power_A_real	2223.96	0.0	1111.98	0.0
load	N_1100005148	constant_power_B_real	2223.96	0.0	1111.98	0.0
load	N_1100005148	constant_power_C_real	2223.96	0.0	1111.98	0.0
load	N_1100005148	constant_power_A_reac	730.98	0.0	365.49	0.0
load	N_1100005148	constant_power_B_reac	730.98	0.0	365.49	0.0
load	N_1100005148	constant_power_C_reac	730.98	0.0	365.49	0.0
load	N_1100080071	constant_power_A	27033.9	8885.6	13516.95	4442.8
load	N_1100080071	constant_power_B	27033.9	8885.6	13516.95	4442.8
load	N_1100080071	constant_power_A_real	27033.9	0.0	13516.95	0.0
load	N_1100080071	constant_power_B_real	27033.9	0.0	13516.95	0.0
load	N_1100080071	constant_power_A_reac	8885.6	0.0	4442.8	0.0
load	N_1100080071	constant_power_B_reac	8885.6	0.0	4442.8	0.0
load	N_1100081276	constant_power_A	3311.63	1088.48	1655.815	544.24
load	N_1100081276	constant_power_B	3311.63	1088.48	1655.815	544.24

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100081276	constant_power_A_real	3311.63	0.0	1655.815	0.0
load	N_1100081276	constant_power_B_real	3311.63	0.0	1655.815	0.0
load	N_1100081276	constant_power_A_reac	1088.48	0.0	544.24	0.0
load	N_1100081276	constant_power_B_reac	1088.48	0.0	544.24	0.0
load	N_1100081274	constant_power_A	4642.36	1525.87	2321.18	762.935
load	N_1100081274	constant_power_B	4642.36	1525.87	2321.18	762.935
load	N_1100081274	constant_power_C	4642.36	1525.87	2321.18	762.935
load	N_1100081274	constant_power_A_real	4642.36	0.0	2321.18	0.0
load	N_1100081274	constant_power_B_real	4642.36	0.0	2321.18	0.0
load	N_1100081274	constant_power_C_real	4642.36	0.0	2321.18	0.0
load	N_1100081274	constant_power_A_reac	1525.87	0.0	762.935	0.0
load	N_1100081274	constant_power_B_reac	1525.87	0.0	762.935	0.0
load	N_1100081274	constant_power_C_reac	1525.87	0.0	762.935	0.0
load	N_1100081273	constant_power_A	953.993	313.562	476.9965	156.781
load	N_1100081273	constant_power_B	953.993	313.562	476.9965	156.781
load	N_1100081273	constant_power_A_real	953.993	0.0	476.9965	0.0
load	N_1100081273	constant_power_B_real	953.993	0.0	476.9965	0.0
load	N_1100081273	constant_power_A_reac	313.562	0.0	156.781	0.0
load	N_1100081273	constant_power_B_reac	313.562	0.0	156.781	0.0
load	N_1100065408	constant_power_A	27878.5	9163.21	13939.25	4581.605
load	N_1100065408	constant_power_B	27878.5	9163.21	13939.25	4581.605
load	N_1100065408	constant_power_A_real	27878.5	0.0	13939.25	0.0
load	N_1100065408	constant_power_B_real	27878.5	0.0	13939.25	0.0
load	N_1100065408	constant_power_A_reac	9163.21	0.0	4581.605	0.0
load	N_1100065408	constant_power_B_reac	9163.21	0.0	4581.605	0.0
load	N_1100123628	constant_power_A	8780.38	2885.97	4390.19	1442.985
load	N_1100123628	constant_power_B	8780.38	2885.97	4390.19	1442.985
load	N_1100123628	constant_power_A_real	8780.38	0.0	4390.19	0.0
load	N_1100123628	constant_power_B_real	8780.38	0.0	4390.19	0.0
load	N_1100123628	constant_power_A_reac	2885.97	0.0	1442.985	0.0
load	N_1100123628	constant_power_B_reac	2885.97	0.0	1442.985	0.0
load	N_1100123627	constant_power_A	10451.4	3435.21	5225.7	1717.605
load	N_1100123627	constant_power_B	10451.4	3435.21	5225.7	1717.605
load	N_1100123627	constant_power_A_real	10451.4	0.0	5225.7	0.0
load	N_1100123627	constant_power_B_real	10451.4	0.0	5225.7	0.0
load	N_1100123627	constant_power_A_reac	3435.21	0.0	1717.605	0.0
load	N_1100123627	constant_power_B_reac	3435.21	0.0	1717.605	0.0
load	N_1100123626	constant_power_A	17342.0	5700.04	8671.0	2850.02
load	N_1100123626	constant_power_B	17342.0	5700.04	8671.0	2850.02
load	N_1100123626	constant_power_A_real	17342.0	0.0	8671.0	0.0
load	N_1100123626	constant_power_B_real	17342.0	0.0	8671.0	0.0
load	N_1100123626	constant_power_A_reac	5700.04	0.0	2850.02	0.0
load	N_1100123626	constant_power_B_reac	5700.04	0.0	2850.02	0.0
load	N_1100123625	constant_power_A	4247.4	1396.05	2123.7	698.025
load	N_1100123625	constant_power_B	4247.4	1396.05	2123.7	698.025
load	N_1100123625	constant_power_A_real	4247.4	0.0	2123.7	0.0
load	N_1100123625	constant_power_B_real	4247.4	0.0	2123.7	0.0
load	N_1100123625	constant_power_A_reac	1396.05	0.0	698.025	0.0
load	N_1100123625	constant_power_B_reac	1396.05	0.0	698.025	0.0
load	N_1100080152	constant_power_A	12991.3	4270.04	6495.65	2135.02
load	N_1100080152	constant_power_B	12991.3	4270.04	6495.65	2135.02
load	N_1100080152	constant_power_A_real	12991.3	0.0	6495.65	0.0
load	N_1100080152	constant_power_B_real	12991.3	0.0	6495.65	0.0
load	N_1100080152	constant_power_A_reac	4270.04	0.0	2135.02	0.0
load	N_1100080152	constant_power_B_reac	4270.04	0.0	2135.02	0.0
load	N_1100102806	constant_power_A	534.722	331.391	267.361	165.6955
load	N_1100102806	constant_power_B	534.722	331.391	267.361	165.6955
load	N_1100102806	constant_power_C	534.722	331.391	267.361	165.6955
load	N_1100102806	constant_power_A_real	534.722	0.0	267.361	0.0
load	N_1100102806	constant_power_B_real	534.722	0.0	267.361	0.0
load	N_1100102806	constant_power_C_real	534.722	0.0	267.361	0.0
load	N_1100102806	constant_power_A_reac	331.391	0.0	165.6955	0.0
load	N_1100102806	constant_power_B_reac	331.391	0.0	165.6955	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100102806	constant_power_C_reac	331.391	0.0	165.6955	0.0
load	N_1100079993	constant_power_A	35170.1	11559.9	17585.05	5779.95
load	N_1100079993	constant_power_B	35170.1	11559.9	17585.05	5779.95
load	N_1100079993	constant_power_A_real	35170.1	0.0	17585.05	0.0
load	N_1100079993	constant_power_B_real	35170.1	0.0	17585.05	0.0
load	N_1100079993	constant_power_A_reac	11559.9	0.0	5779.95	0.0
load	N_1100079993	constant_power_B_reac	11559.9	0.0	5779.95	0.0
load	N_1100079990	constant_power_A	11172.5	3672.21	5586.25	1836.105
load	N_1100079990	constant_power_B	11172.5	3672.21	5586.25	1836.105
load	N_1100079990	constant_power_C	11172.5	3672.21	5586.25	1836.105
load	N_1100079990	constant_power_A_real	11172.5	0.0	5586.25	0.0
load	N_1100079990	constant_power_B_real	11172.5	0.0	5586.25	0.0
load	N_1100079990	constant_power_C_real	11172.5	0.0	5586.25	0.0
load	N_1100079990	constant_power_A_reac	3672.21	0.0	1836.105	0.0
load	N_1100079990	constant_power_B_reac	3672.21	0.0	1836.105	0.0
load	N_1100079990	constant_power_C_reac	3672.21	0.0	1836.105	0.0
load	N_1100123854	constant_power_A	5671.3	1864.06	2835.65	932.03
load	N_1100123854	constant_power_B	5671.3	1864.06	2835.65	932.03
load	N_1100123854	constant_power_C	5671.3	1864.06	2835.65	932.03
load	N_1100123854	constant_power_A_real	5671.3	0.0	2835.65	0.0
load	N_1100123854	constant_power_B_real	5671.3	0.0	2835.65	0.0
load	N_1100123854	constant_power_C_real	5671.3	0.0	2835.65	0.0
load	N_1100123854	constant_power_A_reac	1864.06	0.0	932.03	0.0
load	N_1100123854	constant_power_B_reac	1864.06	0.0	932.03	0.0
load	N_1100123854	constant_power_C_reac	1864.06	0.0	932.03	0.0
load	N_1100039012	constant_power_A	6161.46	2025.17	3080.73	1012.585
load	N_1100039012	constant_power_B	6161.46	2025.17	3080.73	1012.585
load	N_1100039012	constant_power_A_real	6161.46	0.0	3080.73	0.0
load	N_1100039012	constant_power_B_real	6161.46	0.0	3080.73	0.0
load	N_1100039012	constant_power_A_reac	2025.17	0.0	1012.585	0.0
load	N_1100039012	constant_power_B_reac	2025.17	0.0	1012.585	0.0
load	N_1100044784	constant_power_A	25721.4	8454.2	12860.7	4227.1
load	N_1100044784	constant_power_B	25721.4	8454.2	12860.7	4227.1
load	N_1100044784	constant_power_A_real	25721.4	0.0	12860.7	0.0
load	N_1100044784	constant_power_B_real	25721.4	0.0	12860.7	0.0
load	N_1100044784	constant_power_A_reac	8454.2	0.0	4227.1	0.0
load	N_1100044784	constant_power_B_reac	8454.2	0.0	4227.1	0.0
load	N_1100079992	constant_power_A	26906.2	8843.66	13453.1	4421.83
load	N_1100079992	constant_power_B	26906.2	8843.66	13453.1	4421.83
load	N_1100079992	constant_power_A_real	26906.2	0.0	13453.1	0.0
load	N_1100079992	constant_power_B_real	26906.2	0.0	13453.1	0.0
load	N_1100079992	constant_power_A_reac	8843.66	0.0	4421.83	0.0
load	N_1100079992	constant_power_B_reac	8843.66	0.0	4421.83	0.0
load	N_1100419109	constant_power_A	19547.7	6425.03	9773.85	3212.515
load	N_1100419109	constant_power_B	19547.7	6425.03	9773.85	3212.515
load	N_1100419109	constant_power_A_real	19547.7	0.0	9773.85	0.0
load	N_1100419109	constant_power_B_real	19547.7	0.0	9773.85	0.0
load	N_1100419109	constant_power_A_reac	6425.03	0.0	3212.515	0.0
load	N_1100419109	constant_power_B_reac	6425.03	0.0	3212.515	0.0
load	N_1100079999	constant_power_A	16303.0	5358.52	8151.5	2679.26
load	N_1100079999	constant_power_B	16303.0	5358.52	8151.5	2679.26
load	N_1100079999	constant_power_A_real	16303.0	0.0	8151.5	0.0
load	N_1100079999	constant_power_B_real	16303.0	0.0	8151.5	0.0
load	N_1100079999	constant_power_A_reac	5358.52	0.0	2679.26	0.0
load	N_1100079999	constant_power_B_reac	5358.52	0.0	2679.26	0.0
load	N_1100079998	constant_power_A	7698.78	2530.47	3849.39	1265.235
load	N_1100079998	constant_power_B	7698.78	2530.47	3849.39	1265.235
load	N_1100079998	constant_power_A_real	7698.78	0.0	3849.39	0.0
load	N_1100079998	constant_power_B_real	7698.78	0.0	3849.39	0.0
load	N_1100079998	constant_power_A_reac	2530.47	0.0	1265.235	0.0
load	N_1100079998	constant_power_B_reac	2530.47	0.0	1265.235	0.0
load	N_1100045531	constant_power_A	17317.7	5692.05	8658.85	2846.025
load	N_1100045531	constant_power_B	17317.7	5692.05	8658.85	2846.025

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100045531	constant_power_C	17317.7	5692.05	8658.85	2846.025
load	N_1100045531	constant_power_A_real	17317.7	0.0	8658.85	0.0
load	N_1100045531	constant_power_B_real	17317.7	0.0	8658.85	0.0
load	N_1100045531	constant_power_C_real	17317.7	0.0	8658.85	0.0
load	N_1100045531	constant_power_A_reac	5692.05	0.0	2846.025	0.0
load	N_1100045531	constant_power_B_reac	5692.05	0.0	2846.025	0.0
load	N_1100045531	constant_power_C_reac	5692.05	0.0	2846.025	0.0
load	N_1100008768	constant_power_A	12322.9	4050.35	6161.45	2025.175
load	N_1100008768	constant_power_B	12322.9	4050.35	6161.45	2025.175
load	N_1100008768	constant_power_A_real	12322.9	0.0	6161.45	0.0
load	N_1100008768	constant_power_B_real	12322.9	0.0	6161.45	0.0
load	N_1100008768	constant_power_A_reac	4050.35	0.0	2025.175	0.0
load	N_1100008768	constant_power_B_reac	4050.35	0.0	2025.175	0.0
load	N_1100041228	constant_power_A	48666.7	30160.9	24333.35	15080.45
load	N_1100041228	constant_power_B	48666.7	30160.9	24333.35	15080.45
load	N_1100041228	constant_power_C	48666.7	30160.9	24333.35	15080.45
load	N_1100041228	constant_power_A_real	48666.7	0.0	24333.35	0.0
load	N_1100041228	constant_power_B_real	48666.7	0.0	24333.35	0.0
load	N_1100041228	constant_power_C_real	48666.7	0.0	24333.35	0.0
load	N_1100041228	constant_power_A_reac	30160.9	0.0	15080.45	0.0
load	N_1100041228	constant_power_B_reac	30160.9	0.0	15080.45	0.0
load	N_1100041228	constant_power_C_reac	30160.9	0.0	15080.45	0.0
load	N_1100006173	constant_power_A	3799.77	2354.88	1899.885	1177.44
load	N_1100006173	constant_power_B	3799.77	2354.88	1899.885	1177.44
load	N_1100006173	constant_power_C	3799.77	2354.88	1899.885	1177.44
load	N_1100006173	constant_power_A_real	3799.77	0.0	1899.885	0.0
load	N_1100006173	constant_power_B_real	3799.77	0.0	1899.885	0.0
load	N_1100006173	constant_power_C_real	3799.77	0.0	1899.885	0.0
load	N_1100006173	constant_power_A_reac	2354.88	0.0	1177.44	0.0
load	N_1100006173	constant_power_B_reac	2354.88	0.0	1177.44	0.0
load	N_1100006173	constant_power_C_reac	2354.88	0.0	1177.44	0.0
load	N_1100017119	constant_power_A	2082.18	684.378	1041.09	342.189
load	N_1100017119	constant_power_B	2082.18	684.378	1041.09	342.189
load	N_1100017119	constant_power_C	2082.18	684.378	1041.09	342.189
load	N_1100017119	constant_power_A_real	2082.18	0.0	1041.09	0.0
load	N_1100017119	constant_power_B_real	2082.18	0.0	1041.09	0.0
load	N_1100017119	constant_power_C_real	2082.18	0.0	1041.09	0.0
load	N_1100017119	constant_power_A_reac	684.378	0.0	342.189	0.0
load	N_1100017119	constant_power_B_reac	684.378	0.0	342.189	0.0
load	N_1100017119	constant_power_C_reac	684.378	0.0	342.189	0.0
load	N_1100123731	constant_power_A	1660.88	545.905	830.44	272.9525
load	N_1100123731	constant_power_B	1660.88	545.905	830.44	272.9525
load	N_1100123731	constant_power_C	1660.88	545.905	830.44	272.9525
load	N_1100123731	constant_power_A_real	1660.88	0.0	830.44	0.0
load	N_1100123731	constant_power_B_real	1660.88	0.0	830.44	0.0
load	N_1100123731	constant_power_C_real	1660.88	0.0	830.44	0.0
load	N_1100123731	constant_power_A_reac	545.905	0.0	272.9525	0.0
load	N_1100123731	constant_power_B_reac	545.905	0.0	272.9525	0.0
load	N_1100123731	constant_power_C_reac	545.905	0.0	272.9525	0.0
load	N_1100080069	constant_power_A	21322.0	7008.22	10661.0	3504.11
load	N_1100080069	constant_power_B	21322.0	7008.22	10661.0	3504.11
load	N_1100080069	constant_power_A_real	21322.0	0.0	10661.0	0.0
load	N_1100080069	constant_power_B_real	21322.0	0.0	10661.0	0.0
load	N_1100080069	constant_power_A_reac	7008.22	0.0	3504.11	0.0
load	N_1100080069	constant_power_B_reac	7008.22	0.0	3504.11	0.0
load	N_1100079969	constant_power_A	14320.0	4706.76	7160.0	2353.38
load	N_1100079969	constant_power_B	14320.0	4706.76	7160.0	2353.38
load	N_1100079969	constant_power_C	14320.0	4706.76	7160.0	2353.38
load	N_1100079969	constant_power_A_real	14320.0	0.0	7160.0	0.0
load	N_1100079969	constant_power_B_real	14320.0	0.0	7160.0	0.0
load	N_1100079969	constant_power_C_real	14320.0	0.0	7160.0	0.0
load	N_1100079969	constant_power_A_reac	4706.76	0.0	2353.38	0.0
load	N_1100079969	constant_power_B_reac	4706.76	0.0	2353.38	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100079969	constant_power_C_reac	4706.76	0.0	2353.38	0.0
load	N_1100079916	constant_power_A	12754.3	4192.15	6377.15	2096.075
load	N_1100079916	constant_power_B	12754.3	4192.15	6377.15	2096.075
load	N_1100079916	constant_power_A_real	12754.3	0.0	6377.15	0.0
load	N_1100079916	constant_power_B_real	12754.3	0.0	6377.15	0.0
load	N_1100079916	constant_power_A_reac	4192.15	0.0	2096.075	0.0
load	N_1100079916	constant_power_B_reac	4192.15	0.0	2096.075	0.0
load	N_1100122379	constant_power_A	19225.7	6319.18	9612.85	3159.59
load	N_1100122379	constant_power_B	19225.7	6319.18	9612.85	3159.59
load	N_1100122379	constant_power_A_real	19225.7	0.0	9612.85	0.0
load	N_1100122379	constant_power_B_real	19225.7	0.0	9612.85	0.0
load	N_1100122379	constant_power_A_reac	6319.18	0.0	3159.59	0.0
load	N_1100122379	constant_power_B_reac	6319.18	0.0	3159.59	0.0
load	N_1100123733	constant_power_A	1782.41	585.849	891.205	292.9245
load	N_1100123733	constant_power_B	1782.41	585.849	891.205	292.9245
load	N_1100123733	constant_power_C	1782.41	585.849	891.205	292.9245
load	N_1100123733	constant_power_A_real	1782.41	0.0	891.205	0.0
load	N_1100123733	constant_power_B_real	1782.41	0.0	891.205	0.0
load	N_1100123733	constant_power_C_real	1782.41	0.0	891.205	0.0
load	N_1100123733	constant_power_A_reac	585.849	0.0	292.9245	0.0
load	N_1100123733	constant_power_B_reac	585.849	0.0	292.9245	0.0
load	N_1100123733	constant_power_C_reac	585.849	0.0	292.9245	0.0
load	N_1100017203	constant_power_A	19067.7	6267.25	9533.85	3133.625
load	N_1100017203	constant_power_B	19067.7	6267.25	9533.85	3133.625
load	N_1100017203	constant_power_A_real	19067.7	0.0	9533.85	0.0
load	N_1100017203	constant_power_B_real	19067.7	0.0	9533.85	0.0
load	N_1100017203	constant_power_A_reac	6267.25	0.0	3133.625	0.0
load	N_1100017203	constant_power_B_reac	6267.25	0.0	3133.625	0.0
load	N_1100079962	constant_power_A	18046.9	5931.72	9023.45	2965.86
load	N_1100079962	constant_power_B	18046.9	5931.72	9023.45	2965.86
load	N_1100079962	constant_power_C	18046.9	5931.72	9023.45	2965.86
load	N_1100079962	constant_power_A_real	18046.9	0.0	9023.45	0.0
load	N_1100079962	constant_power_B_real	18046.9	0.0	9023.45	0.0
load	N_1100079962	constant_power_C_real	18046.9	0.0	9023.45	0.0
load	N_1100079962	constant_power_A_reac	5931.72	0.0	2965.86	0.0
load	N_1100079962	constant_power_B_reac	5931.72	0.0	2965.86	0.0
load	N_1100079962	constant_power_C_reac	5931.72	0.0	2965.86	0.0
load	N_1100122371	constant_power_A	17633.7	5795.91	8816.85	2897.955
load	N_1100122371	constant_power_B	17633.7	5795.91	8816.85	2897.955
load	N_1100122371	constant_power_A_real	17633.7	0.0	8816.85	0.0
load	N_1100122371	constant_power_B_real	17633.7	0.0	8816.85	0.0
load	N_1100122371	constant_power_A_reac	5795.91	0.0	2897.955	0.0
load	N_1100122371	constant_power_B_reac	5795.91	0.0	2897.955	0.0
load	N_1100122376	constant_power_A	17390.6	5716.02	8695.3	2858.01
load	N_1100122376	constant_power_B	17390.6	5716.02	8695.3	2858.01
load	N_1100122376	constant_power_A_real	17390.6	0.0	8695.3	0.0
load	N_1100122376	constant_power_B_real	17390.6	0.0	8695.3	0.0
load	N_1100122376	constant_power_A_reac	5716.02	0.0	2858.01	0.0
load	N_1100122376	constant_power_B_reac	5716.02	0.0	2858.01	0.0
load	N_1100005951	constant_power_A	6629.34	2178.96	3314.67	1089.48
load	N_1100005951	constant_power_B	6629.34	2178.96	3314.67	1089.48
load	N_1100005951	constant_power_A_real	6629.34	0.0	3314.67	0.0
load	N_1100005951	constant_power_B_real	6629.34	0.0	3314.67	0.0
load	N_1100005951	constant_power_A_reac	2178.96	0.0	1089.48	0.0
load	N_1100005951	constant_power_B_reac	2178.96	0.0	1089.48	0.0
load	N_1100080067	constant_power_A	32630.2	10725.0	16315.1	5362.5
load	N_1100080067	constant_power_B	32630.2	10725.0	16315.1	5362.5
load	N_1100080067	constant_power_A_real	32630.2	0.0	16315.1	0.0
load	N_1100080067	constant_power_B_real	32630.2	0.0	16315.1	0.0
load	N_1100080067	constant_power_A_reac	10725.0	0.0	5362.5	0.0
load	N_1100080067	constant_power_B_reac	10725.0	0.0	5362.5	0.0
load	N_1100079967	constant_power_A	19975.1	6565.5	9987.55	3282.75
load	N_1100079967	constant_power_B	19975.1	6565.5	9987.55	3282.75

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100079967	constant_power_C	19975.1	6565.5	9987.55	3282.75
load	N_1100079967	constant_power_A_real	19975.1	0.0	9987.55	0.0
load	N_1100079967	constant_power_B_real	19975.1	0.0	9987.55	0.0
load	N_1100079967	constant_power_C_real	19975.1	0.0	9987.55	0.0
load	N_1100079967	constant_power_A_reac	6565.5	0.0	3282.75	0.0
load	N_1100079967	constant_power_B_reac	6565.5	0.0	3282.75	0.0
load	N_1100079967	constant_power_C_reac	6565.5	0.0	3282.75	0.0
load	N_1100123619	constant_power_A	291.667	180.759	145.8335	90.3795
load	N_1100123619	constant_power_B	291.667	180.759	145.8335	90.3795
load	N_1100123619	constant_power_C	291.667	180.759	145.8335	90.3795
load	N_1100123619	constant_power_A_real	291.667	0.0	145.8335	0.0
load	N_1100123619	constant_power_B_real	291.667	0.0	145.8335	0.0
load	N_1100123619	constant_power_C_real	291.667	0.0	145.8335	0.0
load	N_1100123619	constant_power_A_reac	180.759	0.0	90.3795	0.0
load	N_1100123619	constant_power_B_reac	180.759	0.0	90.3795	0.0
load	N_1100123619	constant_power_C_reac	180.759	0.0	90.3795	0.0
load	N_1100005160	constant_power_A	12975.1	8041.25	6487.55	4020.625
load	N_1100005160	constant_power_B	12975.1	8041.25	6487.55	4020.625
load	N_1100005160	constant_power_C	12975.1	8041.25	6487.55	4020.625
load	N_1100005160	constant_power_A_real	12975.1	0.0	6487.55	0.0
load	N_1100005160	constant_power_B_real	12975.1	0.0	6487.55	0.0
load	N_1100005160	constant_power_C_real	12975.1	0.0	6487.55	0.0
load	N_1100005160	constant_power_A_reac	8041.25	0.0	4020.625	0.0
load	N_1100005160	constant_power_B_reac	8041.25	0.0	4020.625	0.0
load	N_1100005160	constant_power_C_reac	8041.25	0.0	4020.625	0.0
load	N_1100042463	constant_power_A	26833.3	8998.32	13416.65	4499.16
load	N_1100042463	constant_power_B	26833.3	8998.32	13416.65	4499.16
load	N_1100042463	constant_power_A_real	26833.3	0.0	13416.65	0.0
load	N_1100042463	constant_power_B_real	26833.3	0.0	13416.65	0.0
load	N_1100042463	constant_power_A_reac	8998.32	0.0	4499.16	0.0
load	N_1100042463	constant_power_B_reac	8998.32	0.0	4499.16	0.0
load	N_1100065410	constant_power_A	30564.2	10046.0	15282.1	5023.0
load	N_1100065410	constant_power_B	30564.2	10046.0	15282.1	5023.0
load	N_1100065410	constant_power_A_real	30564.2	0.0	15282.1	0.0
load	N_1100065410	constant_power_B_real	30564.2	0.0	15282.1	0.0
load	N_1100065410	constant_power_A_reac	10046.0	0.0	5023.0	0.0
load	N_1100065410	constant_power_B_reac	10046.0	0.0	5023.0	0.0
load	N_1100005958	constant_power_A	8016.78	4968.36	4008.39	2484.18
load	N_1100005958	constant_power_B	8016.78	4968.36	4008.39	2484.18
load	N_1100005958	constant_power_C	8016.78	4968.36	4008.39	2484.18
load	N_1100005958	constant_power_A_real	8016.78	0.0	4008.39	0.0
load	N_1100005958	constant_power_B_real	8016.78	0.0	4008.39	0.0
load	N_1100005958	constant_power_C_real	8016.78	0.0	4008.39	0.0
load	N_1100005958	constant_power_A_reac	4968.36	0.0	2484.18	0.0
load	N_1100005958	constant_power_B_reac	4968.36	0.0	2484.18	0.0
load	N_1100005958	constant_power_C_reac	4968.36	0.0	2484.18	0.0
load	N_1100041119	constant_power_A	10856.5	3568.35	5428.25	1784.175
load	N_1100041119	constant_power_B	10856.5	3568.35	5428.25	1784.175
load	N_1100041119	constant_power_C	10856.5	3568.35	5428.25	1784.175
load	N_1100041119	constant_power_A_real	10856.5	0.0	5428.25	0.0
load	N_1100041119	constant_power_B_real	10856.5	0.0	5428.25	0.0
load	N_1100041119	constant_power_C_real	10856.5	0.0	5428.25	0.0
load	N_1100041119	constant_power_A_reac	3568.35	0.0	1784.175	0.0
load	N_1100041119	constant_power_B_reac	3568.35	0.0	1784.175	0.0
load	N_1100041119	constant_power_C_reac	3568.35	0.0	1784.175	0.0
load	N_1100015964	constant_power_A	26930.6	8851.64	13465.3	4425.82
load	N_1100015964	constant_power_B	26930.6	8851.64	13465.3	4425.82
load	N_1100015964	constant_power_A_real	26930.6	0.0	13465.3	0.0
load	N_1100015964	constant_power_B_real	26930.6	0.0	13465.3	0.0
load	N_1100015964	constant_power_A_reac	8851.64	0.0	4425.82	0.0
load	N_1100015964	constant_power_B_reac	8851.64	0.0	4425.82	0.0
load	N_1100059608	constant_power_A	18800.3	6179.37	9400.15	3089.685
load	N_1100059608	constant_power_B	18800.3	6179.37	9400.15	3089.685

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100059608	constant_power_C	18800.3	6179.37	9400.15	3089.685
load	N_1100059608	constant_power_A_real	18800.3	0.0	9400.15	0.0
load	N_1100059608	constant_power_B_real	18800.3	0.0	9400.15	0.0
load	N_1100059608	constant_power_C_real	18800.3	0.0	9400.15	0.0
load	N_1100059608	constant_power_A_reac	6179.37	0.0	3089.685	0.0
load	N_1100059608	constant_power_B_reac	6179.37	0.0	3089.685	0.0
load	N_1100059608	constant_power_C_reac	6179.37	0.0	3089.685	0.0
load	N_1100021054	constant_power_A	17293.4	5707.65	8646.7	2853.825
load	N_1100021054	constant_power_B	17293.4	5707.65	8646.7	2853.825
load	N_1100021054	constant_power_C	17293.4	5707.65	8646.7	2853.825
load	N_1100021054	constant_power_A_real	17293.4	0.0	8646.7	0.0
load	N_1100021054	constant_power_B_real	17293.4	0.0	8646.7	0.0
load	N_1100021054	constant_power_C_real	17293.4	0.0	8646.7	0.0
load	N_1100021054	constant_power_A_reac	5707.65	0.0	2853.825	0.0
load	N_1100021054	constant_power_B_reac	5707.65	0.0	2853.825	0.0
load	N_1100021054	constant_power_C_reac	5707.65	0.0	2853.825	0.0
load	N_1100123813	constant_power_A	14875.0	4889.18	7437.5	2444.59
load	N_1100123813	constant_power_B	14875.0	4889.18	7437.5	2444.59
load	N_1100123813	constant_power_A_real	14875.0	0.0	7437.5	0.0
load	N_1100123813	constant_power_B_real	14875.0	0.0	7437.5	0.0
load	N_1100123813	constant_power_A_reac	4889.18	0.0	2444.59	0.0
load	N_1100123813	constant_power_B_reac	4889.18	0.0	2444.59	0.0
load	N_1100080453	constant_power_A	21139.8	6948.3	10569.9	3474.15
load	N_1100080453	constant_power_B	21139.8	6948.3	10569.9	3474.15
load	N_1100080453	constant_power_A_real	21139.8	0.0	10569.9	0.0
load	N_1100080453	constant_power_B_real	21139.8	0.0	10569.9	0.0
load	N_1100080453	constant_power_A_reac	6948.3	0.0	3474.15	0.0
load	N_1100080453	constant_power_B_reac	6948.3	0.0	3474.15	0.0
load	N_1100045532	constant_power_A	11751.7	3862.61	5875.85	1931.305
load	N_1100045532	constant_power_B	11751.7	3862.61	5875.85	1931.305
load	N_1100045532	constant_power_C	11751.7	3862.61	5875.85	1931.305
load	N_1100045532	constant_power_A_real	11751.7	0.0	5875.85	0.0
load	N_1100045532	constant_power_B_real	11751.7	0.0	5875.85	0.0
load	N_1100045532	constant_power_C_real	11751.7	0.0	5875.85	0.0
load	N_1100045532	constant_power_A_reac	3862.61	0.0	1931.305	0.0
load	N_1100045532	constant_power_B_reac	3862.61	0.0	1931.305	0.0
load	N_1100045532	constant_power_C_reac	3862.61	0.0	1931.305	0.0
load	N_1100080073	constant_power_A	28407.1	9336.97	14203.55	4668.485
load	N_1100080073	constant_power_B	28407.1	9336.97	14203.55	4668.485
load	N_1100080073	constant_power_A_real	28407.1	0.0	14203.55	0.0
load	N_1100080073	constant_power_B_real	28407.1	0.0	14203.55	0.0
load	N_1100080073	constant_power_A_reac	9336.97	0.0	4668.485	0.0
load	N_1100080073	constant_power_B_reac	9336.97	0.0	4668.485	0.0
load	N_1100123587	constant_power_A	10749.1	3533.07	5374.55	1766.535
load	N_1100123587	constant_power_B	10749.1	3533.07	5374.55	1766.535
load	N_1100123587	constant_power_A_real	10749.1	0.0	5374.55	0.0
load	N_1100123587	constant_power_B_real	10749.1	0.0	5374.55	0.0
load	N_1100123587	constant_power_A_reac	3533.07	0.0	1766.535	0.0
load	N_1100123587	constant_power_B_reac	3533.07	0.0	1766.535	0.0
load	N_1100123584	constant_power_A	13501.7	4437.81	6750.85	2218.905
load	N_1100123584	constant_power_B	13501.7	4437.81	6750.85	2218.905
load	N_1100123584	constant_power_A_real	13501.7	0.0	6750.85	0.0
load	N_1100123584	constant_power_B_real	13501.7	0.0	6750.85	0.0
load	N_1100123584	constant_power_A_reac	4437.81	0.0	2218.905	0.0
load	N_1100123584	constant_power_B_reac	4437.81	0.0	2218.905	0.0
load	N_1100045533	constant_power_A	26116.3	8584.02	13058.15	4292.01
load	N_1100045533	constant_power_B	26116.3	8584.02	13058.15	4292.01
load	N_1100045533	constant_power_C	26116.3	8584.02	13058.15	4292.01
load	N_1100045533	constant_power_A_real	26116.3	0.0	13058.15	0.0
load	N_1100045533	constant_power_B_real	26116.3	0.0	13058.15	0.0
load	N_1100045533	constant_power_C_real	26116.3	0.0	13058.15	0.0
load	N_1100045533	constant_power_A_reac	8584.02	0.0	4292.01	0.0
load	N_1100045533	constant_power_B_reac	8584.02	0.0	4292.01	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100045533	constant_power_C_reac	8584.02	0.0	4292.01	0.0
load	N_1100123582	constant_power_A	1174.77	386.128	587.385	193.064
load	N_1100123582	constant_power_B	1174.77	386.128	587.385	193.064
load	N_1100123582	constant_power_C	1174.77	386.128	587.385	193.064
load	N_1100123582	constant_power_A_real	1174.77	0.0	587.385	0.0
load	N_1100123582	constant_power_B_real	1174.77	0.0	587.385	0.0
load	N_1100123582	constant_power_C_real	1174.77	0.0	587.385	0.0
load	N_1100123582	constant_power_A_reac	386.128	0.0	193.064	0.0
load	N_1100123582	constant_power_B_reac	386.128	0.0	193.064	0.0
load	N_1100123582	constant_power_C_reac	386.128	0.0	193.064	0.0
load	N_1100123583	constant_power_A	10670.1	3507.1	5335.05	1753.55
load	N_1100123583	constant_power_B	10670.1	3507.1	5335.05	1753.55
load	N_1100123583	constant_power_A_real	10670.1	0.0	5335.05	0.0
load	N_1100123583	constant_power_B_real	10670.1	0.0	5335.05	0.0
load	N_1100123583	constant_power_A_reac	3507.1	0.0	1753.55	0.0
load	N_1100123583	constant_power_B_reac	3507.1	0.0	1753.55	0.0
load	N_1100009260	constant_power_A	17256.9	5672.08	8628.45	2836.04
load	N_1100009260	constant_power_B	17256.9	5672.08	8628.45	2836.04
load	N_1100009260	constant_power_A_real	17256.9	0.0	8628.45	0.0
load	N_1100009260	constant_power_B_real	17256.9	0.0	8628.45	0.0
load	N_1100009260	constant_power_A_reac	5672.08	0.0	2836.04	0.0
load	N_1100009260	constant_power_B_reac	5672.08	0.0	2836.04	0.0
load	N_1100079900	constant_power_A	15073.5	4954.42	7536.75	2477.21
load	N_1100079900	constant_power_B	15073.5	4954.42	7536.75	2477.21
load	N_1100079900	constant_power_C	15073.5	4954.42	7536.75	2477.21
load	N_1100079900	constant_power_A_real	15073.5	0.0	7536.75	0.0
load	N_1100079900	constant_power_B_real	15073.5	0.0	7536.75	0.0
load	N_1100079900	constant_power_C_real	15073.5	0.0	7536.75	0.0
load	N_1100079900	constant_power_A_reac	4954.42	0.0	2477.21	0.0
load	N_1100079900	constant_power_B_reac	4954.42	0.0	2477.21	0.0
load	N_1100079900	constant_power_C_reac	4954.42	0.0	2477.21	0.0
load	N_1100017200	constant_power_A	8750.0	2875.99	4375.0	1437.995
load	N_1100017200	constant_power_B	8750.0	2875.99	4375.0	1437.995
load	N_1100017200	constant_power_A_real	8750.0	0.0	4375.0	0.0
load	N_1100017200	constant_power_B_real	8750.0	0.0	4375.0	0.0
load	N_1100017200	constant_power_A_reac	2875.99	0.0	1437.995	0.0
load	N_1100017200	constant_power_B_reac	2875.99	0.0	1437.995	0.0
load	N_1100009279	constant_power_A	30412.3	9996.05	15206.15	4998.025
load	N_1100009279	constant_power_B	30412.3	9996.05	15206.15	4998.025
load	N_1100009279	constant_power_A_real	30412.3	0.0	15206.15	0.0
load	N_1100009279	constant_power_B_real	30412.3	0.0	15206.15	0.0
load	N_1100009279	constant_power_A_reac	9996.05	0.0	4998.025	0.0
load	N_1100009279	constant_power_B_reac	9996.05	0.0	4998.025	0.0
load	N_1100017202	constant_power_A	2430.55	798.885	1215.275	399.4425
load	N_1100017202	constant_power_B	2430.55	798.885	1215.275	399.4425
load	N_1100017202	constant_power_A_real	2430.55	0.0	1215.275	0.0
load	N_1100017202	constant_power_B_real	2430.55	0.0	1215.275	0.0
load	N_1100017202	constant_power_A_reac	798.885	0.0	399.4425	0.0
load	N_1100017202	constant_power_B_reac	798.885	0.0	399.4425	0.0
load	N_1100080095	constant_power_A	21072.9	6926.33	10536.45	3463.165
load	N_1100080095	constant_power_B	21072.9	6926.33	10536.45	3463.165
load	N_1100080095	constant_power_A_real	21072.9	0.0	10536.45	0.0
load	N_1100080095	constant_power_B_real	21072.9	0.0	10536.45	0.0
load	N_1100080095	constant_power_A_reac	6926.33	0.0	3463.165	0.0
load	N_1100080095	constant_power_B_reac	6926.33	0.0	3463.165	0.0
load	N_1100080090	constant_power_A	23424.5	7699.25	11712.25	3849.625
load	N_1100080090	constant_power_B	23424.5	7699.25	11712.25	3849.625
load	N_1100080090	constant_power_A_real	23424.5	0.0	11712.25	0.0
load	N_1100080090	constant_power_B_real	23424.5	0.0	11712.25	0.0
load	N_1100080090	constant_power_A_reac	7699.25	0.0	3849.625	0.0
load	N_1100080090	constant_power_B_reac	7699.25	0.0	3849.625	0.0
load	N_1100122360	constant_power_A	24992.2	8541.72	12496.1	4270.86
load	N_1100122360	constant_power_B	24992.2	8541.72	12496.1	4270.86

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100122360	constant_power_A_real	24992.2	0.0	12496.1	0.0
load	N_1100122360	constant_power_B_real	24992.2	0.0	12496.1	0.0
load	N_1100122360	constant_power_A_reac	8541.72	0.0	4270.86	0.0
load	N_1100122360	constant_power_B_reac	8541.72	0.0	4270.86	0.0
load	N_1100123768	constant_power_A	32.4073	10.6518	16.20365	5.3259
load	N_1100123768	constant_power_B	32.4073	10.6518	16.20365	5.3259
load	N_1100123768	constant_power_C	32.4073	10.6518	16.20365	5.3259
load	N_1100123768	constant_power_A_real	32.4073	0.0	16.20365	0.0
load	N_1100123768	constant_power_B_real	32.4073	0.0	16.20365	0.0
load	N_1100123768	constant_power_C_real	32.4073	0.0	16.20365	0.0
load	N_1100123768	constant_power_A_reac	10.6518	0.0	5.3259	0.0
load	N_1100123768	constant_power_B_reac	10.6518	0.0	5.3259	0.0
load	N_1100123768	constant_power_C_reac	10.6518	0.0	5.3259	0.0
load	N_1100408664	constant_power_A	7765.62	2552.44	3882.81	1276.22
load	N_1100408664	constant_power_B	7765.62	2552.44	3882.81	1276.22
load	N_1100408664	constant_power_C	7765.62	2552.44	3882.81	1276.22
load	N_1100408664	constant_power_A_real	7765.62	0.0	3882.81	0.0
load	N_1100408664	constant_power_B_real	7765.62	0.0	3882.81	0.0
load	N_1100408664	constant_power_C_real	7765.62	0.0	3882.81	0.0
load	N_1100408664	constant_power_A_reac	2552.44	0.0	1276.22	0.0
load	N_1100408664	constant_power_B_reac	2552.44	0.0	1276.22	0.0
load	N_1100408664	constant_power_C_reac	2552.44	0.0	1276.22	0.0
load	N_1100079972	constant_power_A	19399.9	6376.43	9699.95	3188.215
load	N_1100079972	constant_power_B	19399.9	6376.43	9699.95	3188.215
load	N_1100079972	constant_power_C	19399.9	6376.43	9699.95	3188.215
load	N_1100079972	constant_power_A_real	19399.9	0.0	9699.95	0.0
load	N_1100079972	constant_power_B_real	19399.9	0.0	9699.95	0.0
load	N_1100079972	constant_power_C_real	19399.9	0.0	9699.95	0.0
load	N_1100079972	constant_power_A_reac	6376.43	0.0	3188.215	0.0
load	N_1100079972	constant_power_B_reac	6376.43	0.0	3188.215	0.0
load	N_1100079972	constant_power_C_reac	6376.43	0.0	3188.215	0.0
load	N_1100123762	constant_power_A	6056.13	1990.55	3028.065	995.275
load	N_1100123762	constant_power_B	6056.13	1990.55	3028.065	995.275
load	N_1100123762	constant_power_C	6056.13	1990.55	3028.065	995.275
load	N_1100123762	constant_power_A_real	6056.13	0.0	3028.065	0.0
load	N_1100123762	constant_power_B_real	6056.13	0.0	3028.065	0.0
load	N_1100123762	constant_power_C_real	6056.13	0.0	3028.065	0.0
load	N_1100123762	constant_power_A_reac	1990.55	0.0	995.275	0.0
load	N_1100123762	constant_power_B_reac	1990.55	0.0	995.275	0.0
load	N_1100123762	constant_power_C_reac	1990.55	0.0	995.275	0.0
load	N_1100079975	constant_power_A	16734.4	5500.32	8367.2	2750.16
load	N_1100079975	constant_power_B	16734.4	5500.32	8367.2	2750.16
load	N_1100079975	constant_power_C	16734.4	5500.32	8367.2	2750.16
load	N_1100079975	constant_power_A_real	16734.4	0.0	8367.2	0.0
load	N_1100079975	constant_power_B_real	16734.4	0.0	8367.2	0.0
load	N_1100079975	constant_power_C_real	16734.4	0.0	8367.2	0.0
load	N_1100079975	constant_power_A_reac	5500.32	0.0	2750.16	0.0
load	N_1100079975	constant_power_B_reac	5500.32	0.0	2750.16	0.0
load	N_1100079975	constant_power_C_reac	5500.32	0.0	2750.16	0.0
load	N_1100079974	constant_power_A	27910.9	9173.86	13955.45	4586.93
load	N_1100079974	constant_power_B	27910.9	9173.86	13955.45	4586.93
load	N_1100079974	constant_power_C	27910.9	9173.86	13955.45	4586.93
load	N_1100079974	constant_power_A_real	27910.9	0.0	13955.45	0.0
load	N_1100079974	constant_power_B_real	27910.9	0.0	13955.45	0.0
load	N_1100079974	constant_power_C_real	27910.9	0.0	13955.45	0.0
load	N_1100079974	constant_power_A_reac	9173.86	0.0	4586.93	0.0
load	N_1100079974	constant_power_B_reac	9173.86	0.0	4586.93	0.0
load	N_1100079974	constant_power_C_reac	9173.86	0.0	4586.93	0.0
load	N_1100123605	constant_power_A	7563.08	2485.86	3781.54	1242.93
load	N_1100123605	constant_power_B	7563.08	2485.86	3781.54	1242.93
load	N_1100123605	constant_power_C	7563.08	2485.86	3781.54	1242.93
load	N_1100123605	constant_power_A_real	7563.08	0.0	3781.54	0.0
load	N_1100123605	constant_power_B_real	7563.08	0.0	3781.54	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100123605	constant_power_C_real	7563.08	0.0	3781.54	0.0
load	N_1100123605	constant_power_A_reac	2485.86	0.0	1242.93	0.0
load	N_1100123605	constant_power_B_reac	2485.86	0.0	1242.93	0.0
load	N_1100123605	constant_power_C_reac	2485.86	0.0	1242.93	0.0
load	N_1100041803	constant_power_A	14990.5	4927.12	7495.25	2463.56
load	N_1100041803	constant_power_B	14990.5	4927.12	7495.25	2463.56
load	N_1100041803	constant_power_A_real	14990.5	0.0	7495.25	0.0
load	N_1100041803	constant_power_B_real	14990.5	0.0	7495.25	0.0
load	N_1100041803	constant_power_A_reac	4927.12	0.0	2463.56	0.0
load	N_1100041803	constant_power_B_reac	4927.12	0.0	2463.56	0.0
load	N_1100123568	constant_power_A	13179.7	4462.83	6589.85	2231.415
load	N_1100123568	constant_power_B	13179.7	4462.83	6589.85	2231.415
load	N_1100123568	constant_power_A_real	13179.7	0.0	6589.85	0.0
load	N_1100123568	constant_power_B_real	13179.7	0.0	6589.85	0.0
load	N_1100123568	constant_power_A_reac	4462.83	0.0	2231.415	0.0
load	N_1100123568	constant_power_B_reac	4462.83	0.0	2231.415	0.0
load	N_1100123569	constant_power_A	7996.53	2628.33	3998.265	1314.165
load	N_1100123569	constant_power_B	7996.53	2628.33	3998.265	1314.165
load	N_1100123569	constant_power_A_real	7996.53	0.0	3998.265	0.0
load	N_1100123569	constant_power_B_real	7996.53	0.0	3998.265	0.0
load	N_1100123569	constant_power_A_reac	2628.33	0.0	1314.165	0.0
load	N_1100123569	constant_power_B_reac	2628.33	0.0	1314.165	0.0
load	N_1100123603	constant_power_A	14668.4	4821.27	7334.2	2410.635
load	N_1100123603	constant_power_B	14668.4	4821.27	7334.2	2410.635
load	N_1100123603	constant_power_A_real	14668.4	0.0	7334.2	0.0
load	N_1100123603	constant_power_B_real	14668.4	0.0	7334.2	0.0
load	N_1100123603	constant_power_A_reac	4821.27	0.0	2410.635	0.0
load	N_1100123603	constant_power_B_reac	4821.27	0.0	2410.635	0.0
load	N_1100122678	constant_power_A	6647.57	2184.95	3323.785	1092.475
load	N_1100122678	constant_power_B	6647.57	2184.95	3323.785	1092.475
load	N_1100122678	constant_power_A_real	6647.57	0.0	3323.785	0.0
load	N_1100122678	constant_power_B_real	6647.57	0.0	3323.785	0.0
load	N_1100122678	constant_power_A_reac	2184.95	0.0	1092.475	0.0
load	N_1100122678	constant_power_B_reac	2184.95	0.0	1092.475	0.0
load	N_1100015690	constant_power_A	25168.4	8272.45	12584.2	4136.225
load	N_1100015690	constant_power_B	25168.4	8272.45	12584.2	4136.225
load	N_1100015690	constant_power_A_real	25168.4	0.0	12584.2	0.0
load	N_1100015690	constant_power_B_real	25168.4	0.0	12584.2	0.0
load	N_1100015690	constant_power_A_reac	8272.45	0.0	4136.225	0.0
load	N_1100015690	constant_power_B_reac	8272.45	0.0	4136.225	0.0
load	N_1100122676	constant_power_A	12888.0	4236.09	6444.0	2118.045
load	N_1100122676	constant_power_B	12888.0	4236.09	6444.0	2118.045
load	N_1100122676	constant_power_A_real	12888.0	0.0	6444.0	0.0
load	N_1100122676	constant_power_B_real	12888.0	0.0	6444.0	0.0
load	N_1100122676	constant_power_A_reac	4236.09	0.0	2118.045	0.0
load	N_1100122676	constant_power_B_reac	4236.09	0.0	2118.045	0.0
load	N_1100065342	constant_power_A	24038.2	7900.97	12019.1	3950.485
load	N_1100065342	constant_power_B	24038.2	7900.97	12019.1	3950.485
load	N_1100065342	constant_power_A_real	24038.2	0.0	12019.1	0.0
load	N_1100065342	constant_power_B_real	24038.2	0.0	12019.1	0.0
load	N_1100065342	constant_power_A_reac	7900.97	0.0	3950.485	0.0
load	N_1100065342	constant_power_B_reac	7900.97	0.0	3950.485	0.0
load	N_1100164300	constant_power_A	879.051	497.624	439.5255	248.812
load	N_1100164300	constant_power_B	879.051	497.624	439.5255	248.812
load	N_1100164300	constant_power_C	879.051	497.624	439.5255	248.812
load	N_1100164300	constant_power_A_real	879.051	0.0	439.5255	0.0
load	N_1100164300	constant_power_B_real	879.051	0.0	439.5255	0.0
load	N_1100164300	constant_power_C_real	879.051	0.0	439.5255	0.0
load	N_1100164300	constant_power_A_reac	497.624	0.0	248.812	0.0
load	N_1100164300	constant_power_B_reac	497.624	0.0	248.812	0.0
load	N_1100164300	constant_power_C_reac	497.624	0.0	248.812	0.0
load	N_1100122671	constant_power_A	7431.42	2442.59	3715.71	1221.295
load	N_1100122671	constant_power_B	7431.42	2442.59	3715.71	1221.295

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100122671	constant_power_A_real	7431.42	0.0	3715.71	0.0
load	N_1100122671	constant_power_B_real	7431.42	0.0	3715.71	0.0
load	N_1100122671	constant_power_A_reac	2442.59	0.0	1221.295	0.0
load	N_1100122671	constant_power_B_reac	2442.59	0.0	1221.295	0.0
load	N_1100080092	constant_power_A	27027.8	8883.6	13513.9	4441.8
load	N_1100080092	constant_power_B	27027.8	8883.6	13513.9	4441.8
load	N_1100080092	constant_power_A_real	27027.8	0.0	13513.9	0.0
load	N_1100080092	constant_power_B_real	27027.8	0.0	13513.9	0.0
load	N_1100080092	constant_power_A_reac	8883.6	0.0	4441.8	0.0
load	N_1100080092	constant_power_B_reac	8883.6	0.0	4441.8	0.0
load	N_1100015970	constant_power_A	9096.35	2989.83	4548.175	1494.915
load	N_1100015970	constant_power_B	9096.35	2989.83	4548.175	1494.915
load	N_1100015970	constant_power_A_real	9096.35	0.0	4548.175	0.0
load	N_1100015970	constant_power_B_real	9096.35	0.0	4548.175	0.0
load	N_1100015970	constant_power_A_reac	2989.83	0.0	1494.915	0.0
load	N_1100015970	constant_power_B_reac	2989.83	0.0	1494.915	0.0
load	N_1100090464	constant_power_A	14115.5	4639.52	7057.75	2319.76
load	N_1100090464	constant_power_B	14115.5	4639.52	7057.75	2319.76
load	N_1100090464	constant_power_A_real	14115.5	0.0	7057.75	0.0
load	N_1100090464	constant_power_B_real	14115.5	0.0	7057.75	0.0
load	N_1100090464	constant_power_A_reac	4639.52	0.0	2319.76	0.0
load	N_1100090464	constant_power_B_reac	4639.52	0.0	2319.76	0.0
load	N_1100090465	constant_power_A	12997.4	4272.04	6498.7	2136.02
load	N_1100090465	constant_power_B	12997.4	4272.04	6498.7	2136.02
load	N_1100090465	constant_power_A_real	12997.4	0.0	6498.7	0.0
load	N_1100090465	constant_power_B_real	12997.4	0.0	6498.7	0.0
load	N_1100090465	constant_power_A_reac	4272.04	0.0	2136.02	0.0
load	N_1100090465	constant_power_B_reac	4272.04	0.0	2136.02	0.0
load	N_1100059920	constant_power_A	22610.2	7431.63	11305.1	3715.815
load	N_1100059920	constant_power_B	22610.2	7431.63	11305.1	3715.815
load	N_1100059920	constant_power_A_real	22610.2	0.0	11305.1	0.0
load	N_1100059920	constant_power_B_real	22610.2	0.0	11305.1	0.0
load	N_1100059920	constant_power_A_reac	7431.63	0.0	3715.815	0.0
load	N_1100059920	constant_power_B_reac	7431.63	0.0	3715.815	0.0
load	N_1100414286	constant_power_A	30193.6	9924.15	15096.8	4962.075
load	N_1100414286	constant_power_B	30193.6	9924.15	15096.8	4962.075
load	N_1100414286	constant_power_A_real	30193.6	0.0	15096.8	0.0
load	N_1100414286	constant_power_B_real	30193.6	0.0	15096.8	0.0
load	N_1100414286	constant_power_A_reac	9924.15	0.0	4962.075	0.0
load	N_1100414286	constant_power_B_reac	9924.15	0.0	4962.075	0.0
load	N_1100044783	constant_power_A	32672.7	10739.0	16336.35	5369.5
load	N_1100044783	constant_power_B	32672.7	10739.0	16336.35	5369.5
load	N_1100044783	constant_power_A_real	32672.7	0.0	16336.35	0.0
load	N_1100044783	constant_power_B_real	32672.7	0.0	16336.35	0.0
load	N_1100044783	constant_power_A_reac	10739.0	0.0	5369.5	0.0
load	N_1100044783	constant_power_B_reac	10739.0	0.0	5369.5	0.0
load	N_1100008176	constant_power_A	51333.3	31813.5	25666.65	15906.75
load	N_1100008176	constant_power_B	51333.3	31813.5	25666.65	15906.75
load	N_1100008176	constant_power_C	51333.3	31813.5	25666.65	15906.75
load	N_1100008176	constant_power_A_real	51333.3	0.0	25666.65	0.0
load	N_1100008176	constant_power_B_real	51333.3	0.0	25666.65	0.0
load	N_1100008176	constant_power_C_real	51333.3	0.0	25666.65	0.0
load	N_1100008176	constant_power_A_reac	31813.5	0.0	15906.75	0.0
load	N_1100008176	constant_power_B_reac	31813.5	0.0	15906.75	0.0
load	N_1100008176	constant_power_C_reac	31813.5	0.0	15906.75	0.0
load	N_1100015249	constant_power_A	65726.3	40733.5	32863.15	20366.75
load	N_1100015249	constant_power_B	65726.3	40733.5	32863.15	20366.75
load	N_1100015249	constant_power_C	65726.3	40733.5	32863.15	20366.75
load	N_1100015249	constant_power_A_real	65726.3	0.0	32863.15	0.0
load	N_1100015249	constant_power_B_real	65726.3	0.0	32863.15	0.0
load	N_1100015249	constant_power_C_real	65726.3	0.0	32863.15	0.0
load	N_1100015249	constant_power_A_reac	40733.5	0.0	20366.75	0.0
load	N_1100015249	constant_power_B_reac	40733.5	0.0	20366.75	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100015249	constant_power_C_reac	40733.5	0.0	20366.75	0.0
load	N_1100123592	constant_power_A	17658.0	5803.9	8829.0	2901.95
load	N_1100123592	constant_power_B	17658.0	5803.9	8829.0	2901.95
load	N_1100123592	constant_power_A_real	17658.0	0.0	8829.0	0.0
load	N_1100123592	constant_power_B_real	17658.0	0.0	8829.0	0.0
load	N_1100123592	constant_power_A_reac	5803.9	0.0	2901.95	0.0
load	N_1100123592	constant_power_B_reac	5803.9	0.0	2901.95	0.0
load	N_1100123595	constant_power_A	24451.4	8036.78	12225.7	4018.39
load	N_1100123595	constant_power_B	24451.4	8036.78	12225.7	4018.39
load	N_1100123595	constant_power_A_real	24451.4	0.0	12225.7	0.0
load	N_1100123595	constant_power_B_real	24451.4	0.0	12225.7	0.0
load	N_1100123595	constant_power_A_reac	8036.78	0.0	4018.39	0.0
load	N_1100123595	constant_power_B_reac	8036.78	0.0	4018.39	0.0
load	N_1100123599	constant_power_A	15750.0	5176.77	7875.0	2588.385
load	N_1100123599	constant_power_B	15750.0	5176.77	7875.0	2588.385
load	N_1100123599	constant_power_A_real	15750.0	0.0	7875.0	0.0
load	N_1100123599	constant_power_B_real	15750.0	0.0	7875.0	0.0
load	N_1100123599	constant_power_A_reac	5176.77	0.0	2588.385	0.0
load	N_1100123599	constant_power_B_reac	5176.77	0.0	2588.385	0.0
load	N_1100123598	constant_power_A	21048.6	6918.34	10524.3	3459.17
load	N_1100123598	constant_power_B	21048.6	6918.34	10524.3	3459.17
load	N_1100123598	constant_power_A_real	21048.6	0.0	10524.3	0.0
load	N_1100123598	constant_power_B_real	21048.6	0.0	10524.3	0.0
load	N_1100123598	constant_power_A_reac	6918.34	0.0	3459.17	0.0
load	N_1100123598	constant_power_B_reac	6918.34	0.0	3459.17	0.0
load	N_1100123721	constant_power_A	4443.87	1460.63	2221.935	730.315
load	N_1100123721	constant_power_B	4443.87	1460.63	2221.935	730.315
load	N_1100123721	constant_power_C	4443.87	1460.63	2221.935	730.315
load	N_1100123721	constant_power_A_real	4443.87	0.0	2221.935	0.0
load	N_1100123721	constant_power_B_real	4443.87	0.0	2221.935	0.0
load	N_1100123721	constant_power_C_real	4443.87	0.0	2221.935	0.0
load	N_1100123721	constant_power_A_reac	1460.63	0.0	730.315	0.0
load	N_1100123721	constant_power_B_reac	1460.63	0.0	730.315	0.0
load	N_1100123721	constant_power_C_reac	1460.63	0.0	730.315	0.0
load	N_1100080087	constant_power_A	27173.6	8931.53	13586.8	4465.765
load	N_1100080087	constant_power_B	27173.6	8931.53	13586.8	4465.765
load	N_1100080087	constant_power_A_real	27173.6	0.0	13586.8	0.0
load	N_1100080087	constant_power_B_real	27173.6	0.0	13586.8	0.0
load	N_1100080087	constant_power_A_reac	8931.53	0.0	4465.765	0.0
load	N_1100080087	constant_power_B_reac	8931.53	0.0	4465.765	0.0
load	N_1100080086	constant_power_A	24263.0	7974.87	12131.5	3987.435
load	N_1100080086	constant_power_B	24263.0	7974.87	12131.5	3987.435
load	N_1100080086	constant_power_A_real	24263.0	0.0	12131.5	0.0
load	N_1100080086	constant_power_B_real	24263.0	0.0	12131.5	0.0
load	N_1100080086	constant_power_A_reac	7974.87	0.0	3987.435	0.0
load	N_1100080086	constant_power_B_reac	7974.87	0.0	3987.435	0.0
load	N_1100080085	constant_power_A	26268.2	8633.95	13134.1	4316.975
load	N_1100080085	constant_power_B	26268.2	8633.95	13134.1	4316.975
load	N_1100080085	constant_power_A_real	26268.2	0.0	13134.1	0.0
load	N_1100080085	constant_power_B_real	26268.2	0.0	13134.1	0.0
load	N_1100080085	constant_power_A_reac	8633.95	0.0	4316.975	0.0
load	N_1100080085	constant_power_B_reac	8633.95	0.0	4316.975	0.0
load	N_1100079981	constant_power_A	17961.8	5903.76	8980.9	2951.88
load	N_1100079981	constant_power_B	17961.8	5903.76	8980.9	2951.88
load	N_1100079981	constant_power_C	17961.8	5903.76	8980.9	2951.88
load	N_1100079981	constant_power_A_real	17961.8	0.0	8980.9	0.0
load	N_1100079981	constant_power_B_real	17961.8	0.0	8980.9	0.0
load	N_1100079981	constant_power_C_real	17961.8	0.0	8980.9	0.0
load	N_1100079981	constant_power_A_reac	5903.76	0.0	2951.88	0.0
load	N_1100079981	constant_power_B_reac	5903.76	0.0	2951.88	0.0
load	N_1100079981	constant_power_C_reac	5903.76	0.0	2951.88	0.0
load	N_1100043330	constant_power_A	15976.9	5251.34	7988.45	2625.67
load	N_1100043330	constant_power_B	15976.9	5251.34	7988.45	2625.67

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100043330	constant_power_C	15976.9	5251.34	7988.45	2625.67
load	N_1100043330	constant_power_A_real	15976.9	0.0	7988.45	0.0
load	N_1100043330	constant_power_B_real	15976.9	0.0	7988.45	0.0
load	N_1100043330	constant_power_C_real	15976.9	0.0	7988.45	0.0
load	N_1100043330	constant_power_A_reac	5251.34	0.0	2625.67	0.0
load	N_1100043330	constant_power_B_reac	5251.34	0.0	2625.67	0.0
load	N_1100043330	constant_power_C_reac	5251.34	0.0	2625.67	0.0
load	N_1100080081	constant_power_A	32891.5	10810.9	16445.75	5405.45
load	N_1100080081	constant_power_B	32891.5	10810.9	16445.75	5405.45
load	N_1100080081	constant_power_A_real	32891.5	0.0	16445.75	0.0
load	N_1100080081	constant_power_B_real	32891.5	0.0	16445.75	0.0
load	N_1100080081	constant_power_A_reac	10810.9	0.0	5405.45	0.0
load	N_1100080081	constant_power_B_reac	10810.9	0.0	5405.45	0.0
load	N_1100123796	constant_power_A	717.014	444.365	358.507	222.1825
load	N_1100123796	constant_power_B	717.014	444.365	358.507	222.1825
load	N_1100123796	constant_power_C	717.014	444.365	358.507	222.1825
load	N_1100123796	constant_power_A_real	717.014	0.0	358.507	0.0
load	N_1100123796	constant_power_B_real	717.014	0.0	358.507	0.0
load	N_1100123796	constant_power_C_real	717.014	0.0	358.507	0.0
load	N_1100123796	constant_power_A_reac	444.365	0.0	222.1825	0.0
load	N_1100123796	constant_power_B_reac	444.365	0.0	222.1825	0.0
load	N_1100123796	constant_power_C_reac	444.365	0.0	222.1825	0.0
load	N_1100123770	constant_power_A	8666.67	5371.12	4333.335	2685.56
load	N_1100123770	constant_power_B	8666.67	5371.12	4333.335	2685.56
load	N_1100123770	constant_power_C	8666.67	5371.12	4333.335	2685.56
load	N_1100123770	constant_power_A_real	8666.67	0.0	4333.335	0.0
load	N_1100123770	constant_power_B_real	8666.67	0.0	4333.335	0.0
load	N_1100123770	constant_power_C_real	8666.67	0.0	4333.335	0.0
load	N_1100123770	constant_power_A_reac	5371.12	0.0	2685.56	0.0
load	N_1100123770	constant_power_B_reac	5371.12	0.0	2685.56	0.0
load	N_1100123770	constant_power_C_reac	5371.12	0.0	2685.56	0.0
load	N_1100123773	constant_power_A	2515.62	826.846	1257.81	413.423
load	N_1100123773	constant_power_B	2515.62	826.846	1257.81	413.423
load	N_1100123773	constant_power_A_real	2515.62	0.0	1257.81	0.0
load	N_1100123773	constant_power_B_real	2515.62	0.0	1257.81	0.0
load	N_1100123773	constant_power_A_reac	826.846	0.0	413.423	0.0
load	N_1100123773	constant_power_B_reac	826.846	0.0	413.423	0.0
load	N_1100123602	constant_power_A	15950.5	5242.68	7975.25	2621.34
load	N_1100123602	constant_power_B	15950.5	5242.68	7975.25	2621.34
load	N_1100123602	constant_power_A_real	15950.5	0.0	7975.25	0.0
load	N_1100123602	constant_power_B_real	15950.5	0.0	7975.25	0.0
load	N_1100123602	constant_power_A_reac	5242.68	0.0	2621.34	0.0
load	N_1100123602	constant_power_B_reac	5242.68	0.0	2621.34	0.0
load	N_1100123775	constant_power_A	6854.17	2252.86	3427.085	1126.43
load	N_1100123775	constant_power_B	6854.17	2252.86	3427.085	1126.43
load	N_1100123775	constant_power_A_real	6854.17	0.0	3427.085	0.0
load	N_1100123775	constant_power_B_real	6854.17	0.0	3427.085	0.0
load	N_1100123775	constant_power_A_reac	2252.86	0.0	1126.43	0.0
load	N_1100123775	constant_power_B_reac	2252.86	0.0	1126.43	0.0
load	N_1100123774	constant_power_A	6276.91	2103.8	3138.455	1051.9
load	N_1100123774	constant_power_B	6276.91	2103.8	3138.455	1051.9
load	N_1100123774	constant_power_A_real	6276.91	0.0	3138.455	0.0
load	N_1100123774	constant_power_B_real	6276.91	0.0	3138.455	0.0
load	N_1100123774	constant_power_A_reac	2103.8	0.0	1051.9	0.0
load	N_1100123774	constant_power_B_reac	2103.8	0.0	1051.9	0.0
load	N_1100080088	constant_power_A	26875.9	8833.67	13437.95	4416.835
load	N_1100080088	constant_power_B	26875.9	8833.67	13437.95	4416.835
load	N_1100080088	constant_power_A_real	26875.9	0.0	13437.95	0.0
load	N_1100080088	constant_power_B_real	26875.9	0.0	13437.95	0.0
load	N_1100080088	constant_power_A_reac	8833.67	0.0	4416.835	0.0
load	N_1100080088	constant_power_B_reac	8833.67	0.0	4416.835	0.0
load	N_1100063857	constant_power_A	1276.04	419.415	638.02	209.7075
load	N_1100063857	constant_power_B	1276.04	419.415	638.02	209.7075

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100063857	constant_power_C	1276.04	419.415	638.02	209.7075
load	N_1100063857	constant_power_A_real	1276.04	0.0	638.02	0.0
load	N_1100063857	constant_power_B_real	1276.04	0.0	638.02	0.0
load	N_1100063857	constant_power_C_real	1276.04	0.0	638.02	0.0
load	N_1100063857	constant_power_A_reac	419.415	0.0	209.7075	0.0
load	N_1100063857	constant_power_B_reac	419.415	0.0	209.7075	0.0
load	N_1100063857	constant_power_C_reac	419.415	0.0	209.7075	0.0
load	N_1100123722	constant_power_A	3795.72	1247.59	1897.86	623.795
load	N_1100123722	constant_power_B	3795.72	1247.59	1897.86	623.795
load	N_1100123722	constant_power_C	3795.72	1247.59	1897.86	623.795
load	N_1100123722	constant_power_A_real	3795.72	0.0	1897.86	0.0
load	N_1100123722	constant_power_B_real	3795.72	0.0	1897.86	0.0
load	N_1100123722	constant_power_C_real	3795.72	0.0	1897.86	0.0
load	N_1100123722	constant_power_A_reac	1247.59	0.0	623.795	0.0
load	N_1100123722	constant_power_B_reac	1247.59	0.0	623.795	0.0
load	N_1100123722	constant_power_C_reac	1247.59	0.0	623.795	0.0
load	N_1100122408	constant_power_A	13076.4	4298.0	6538.2	2149.0
load	N_1100122408	constant_power_B	13076.4	4298.0	6538.2	2149.0
load	N_1100122408	constant_power_A_real	13076.4	0.0	6538.2	0.0
load	N_1100122408	constant_power_B_real	13076.4	0.0	6538.2	0.0
load	N_1100122408	constant_power_A_reac	4298.0	0.0	2149.0	0.0
load	N_1100122408	constant_power_B_reac	4298.0	0.0	2149.0	0.0
load	N_1100122409	constant_power_A	7862.85	2584.39	3931.425	1292.195
load	N_1100122409	constant_power_B	7862.85	2584.39	3931.425	1292.195
load	N_1100122409	constant_power_A_real	7862.85	0.0	3931.425	0.0
load	N_1100122409	constant_power_B_real	7862.85	0.0	3931.425	0.0
load	N_1100122409	constant_power_A_reac	2584.39	0.0	1292.195	0.0
load	N_1100122409	constant_power_B_reac	2584.39	0.0	1292.195	0.0
load	N_1100080009	constant_power_A	22324.7	7337.76	11162.35	3668.88
load	N_1100080009	constant_power_B	22324.7	7337.76	11162.35	3668.88
load	N_1100080009	constant_power_A_real	22324.7	0.0	11162.35	0.0
load	N_1100080009	constant_power_B_real	22324.7	0.0	11162.35	0.0
load	N_1100080009	constant_power_A_reac	7337.76	0.0	3668.88	0.0
load	N_1100080009	constant_power_B_reac	7337.76	0.0	3668.88	0.0
load	N_1100122404	constant_power_A	11223.1	3688.85	5611.55	1844.425
load	N_1100122404	constant_power_B	11223.1	3688.85	5611.55	1844.425
load	N_1100122404	constant_power_A_real	11223.1	0.0	5611.55	0.0
load	N_1100122404	constant_power_B_real	11223.1	0.0	5611.55	0.0
load	N_1100122404	constant_power_A_reac	3688.85	0.0	1844.425	0.0
load	N_1100122404	constant_power_B_reac	3688.85	0.0	1844.425	0.0
load	N_1100080006	constant_power_A	31129.3	10231.7	15564.65	5115.85
load	N_1100080006	constant_power_B	31129.3	10231.7	15564.65	5115.85
load	N_1100080006	constant_power_A_real	31129.3	0.0	15564.65	0.0
load	N_1100080006	constant_power_B_real	31129.3	0.0	15564.65	0.0
load	N_1100080006	constant_power_A_reac	10231.7	0.0	5115.85	0.0
load	N_1100080006	constant_power_B_reac	10231.7	0.0	5115.85	0.0
load	N_1100080005	constant_power_A	19414.1	6381.09	9707.05	3190.545
load	N_1100080005	constant_power_B	19414.1	6381.09	9707.05	3190.545
load	N_1100080005	constant_power_A_real	19414.1	0.0	9707.05	0.0
load	N_1100080005	constant_power_B_real	19414.1	0.0	9707.05	0.0
load	N_1100080005	constant_power_A_reac	6381.09	0.0	3190.545	0.0
load	N_1100080005	constant_power_B_reac	6381.09	0.0	3190.545	0.0
load	N_1100123573	constant_power_A	8093.75	2660.29	4046.875	1330.145
load	N_1100123573	constant_power_B	8093.75	2660.29	4046.875	1330.145
load	N_1100123573	constant_power_A_real	8093.75	0.0	4046.875	0.0
load	N_1100123573	constant_power_B_real	8093.75	0.0	4046.875	0.0
load	N_1100123573	constant_power_A_reac	2660.29	0.0	1330.145	0.0
load	N_1100123573	constant_power_B_reac	2660.29	0.0	1330.145	0.0
load	N_1100044782	constant_power_A	18958.3	6231.3	9479.15	3115.65
load	N_1100044782	constant_power_B	18958.3	6231.3	9479.15	3115.65
load	N_1100044782	constant_power_A_real	18958.3	0.0	9479.15	0.0
load	N_1100044782	constant_power_B_real	18958.3	0.0	9479.15	0.0
load	N_1100044782	constant_power_A_reac	6231.3	0.0	3115.65	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100044782	constant_power_B_reac	6231.3	0.0	3115.65	0.0
load	N_1100017195	constant_power_A	3730.9	1226.29	1865.45	613.145
load	N_1100017195	constant_power_B	3730.9	1226.29	1865.45	613.145
load	N_1100017195	constant_power_A_real	3730.9	0.0	1865.45	0.0
load	N_1100017195	constant_power_B_real	3730.9	0.0	1865.45	0.0
load	N_1100017195	constant_power_A_reac	1226.29	0.0	613.145	0.0
load	N_1100017195	constant_power_B_reac	1226.29	0.0	613.145	0.0
load	N_1100123570	constant_power_A	14990.5	4927.12	7495.25	2463.56
load	N_1100123570	constant_power_B	14990.5	4927.12	7495.25	2463.56
load	N_1100123570	constant_power_A_real	14990.5	0.0	7495.25	0.0
load	N_1100123570	constant_power_B_real	14990.5	0.0	7495.25	0.0
load	N_1100123570	constant_power_A_reac	4927.12	0.0	2463.56	0.0
load	N_1100123570	constant_power_B_reac	4927.12	0.0	2463.56	0.0
load	N_1100041801	constant_power_A	27823.8	9145.23	13911.9	4572.615
load	N_1100041801	constant_power_B	27823.8	9145.23	13911.9	4572.615
load	N_1100041801	constant_power_A_real	27823.8	0.0	13911.9	0.0
load	N_1100041801	constant_power_B_real	27823.8	0.0	13911.9	0.0
load	N_1100041801	constant_power_A_reac	9145.23	0.0	4572.615	0.0
load	N_1100041801	constant_power_B_reac	9145.23	0.0	4572.615	0.0
load	N_1100123567	constant_power_A	19420.1	6383.09	9710.05	3191.545
load	N_1100123567	constant_power_B	19420.1	6383.09	9710.05	3191.545
load	N_1100123567	constant_power_A_real	19420.1	0.0	9710.05	0.0
load	N_1100123567	constant_power_B_real	19420.1	0.0	9710.05	0.0
load	N_1100123567	constant_power_A_reac	6383.09	0.0	3191.545	0.0
load	N_1100123567	constant_power_B_reac	6383.09	0.0	3191.545	0.0
load	N_1100041804	constant_power_A	26766.5	8797.72	13383.25	4398.86
load	N_1100041804	constant_power_B	26766.5	8797.72	13383.25	4398.86
load	N_1100041804	constant_power_A_real	26766.5	0.0	13383.25	0.0
load	N_1100041804	constant_power_B_real	26766.5	0.0	13383.25	0.0
load	N_1100041804	constant_power_A_reac	8797.72	0.0	4398.86	0.0
load	N_1100041804	constant_power_B_reac	8797.72	0.0	4398.86	0.0
load	N_1100043332	constant_power_A	13659.7	4489.73	6829.85	2244.865
load	N_1100043332	constant_power_B	13659.7	4489.73	6829.85	2244.865
load	N_1100043332	constant_power_C	13659.7	4489.73	6829.85	2244.865
load	N_1100043332	constant_power_A_real	13659.7	0.0	6829.85	0.0
load	N_1100043332	constant_power_B_real	13659.7	0.0	6829.85	0.0
load	N_1100043332	constant_power_C_real	13659.7	0.0	6829.85	0.0
load	N_1100043332	constant_power_A_reac	4489.73	0.0	2244.865	0.0
load	N_1100043332	constant_power_B_reac	4489.73	0.0	2244.865	0.0
load	N_1100043332	constant_power_C_reac	4489.73	0.0	2244.865	0.0
load	N_1100009255	constant_power_A	18496.5	6079.51	9248.25	3039.755
load	N_1100009255	constant_power_B	18496.5	6079.51	9248.25	3039.755
load	N_1100009255	constant_power_A_real	18496.5	0.0	9248.25	0.0
load	N_1100009255	constant_power_B_real	18496.5	0.0	9248.25	0.0
load	N_1100009255	constant_power_A_reac	6079.51	0.0	3039.755	0.0
load	N_1100009255	constant_power_B_reac	6079.51	0.0	3039.755	0.0
load	N_1100009254	constant_power_A	26104.2	8580.02	13052.1	4290.01
load	N_1100009254	constant_power_B	26104.2	8580.02	13052.1	4290.01
load	N_1100009254	constant_power_A_real	26104.2	0.0	13052.1	0.0
load	N_1100009254	constant_power_B_real	26104.2	0.0	13052.1	0.0
load	N_1100009254	constant_power_A_reac	8580.02	0.0	4290.01	0.0
load	N_1100009254	constant_power_B_reac	8580.02	0.0	4290.01	0.0
load	N_1100041121	constant_power_A	13133.1	4316.64	6566.55	2158.32
load	N_1100041121	constant_power_B	13133.1	4316.64	6566.55	2158.32
load	N_1100041121	constant_power_C	13133.1	4316.64	6566.55	2158.32
load	N_1100041121	constant_power_A_real	13133.1	0.0	6566.55	0.0
load	N_1100041121	constant_power_B_real	13133.1	0.0	6566.55	0.0
load	N_1100041121	constant_power_C_real	13133.1	0.0	6566.55	0.0
load	N_1100041121	constant_power_A_reac	4316.64	0.0	2158.32	0.0
load	N_1100041121	constant_power_B_reac	4316.64	0.0	2158.32	0.0
load	N_1100041121	constant_power_C_reac	4316.64	0.0	2158.32	0.0
load	N_1100123659	constant_power_A	7486.11	4639.47	3743.055	2319.735
load	N_1100123659	constant_power_B	7486.11	4639.47	3743.055	2319.735

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100123659	constant_power_C	7486.11	4639.47	3743.055	2319.735
load	N_1100123659	constant_power_A_real	7486.11	0.0	3743.055	0.0
load	N_1100123659	constant_power_B_real	7486.11	0.0	3743.055	0.0
load	N_1100123659	constant_power_C_real	7486.11	0.0	3743.055	0.0
load	N_1100123659	constant_power_A_reac	4639.47	0.0	2319.735	0.0
load	N_1100123659	constant_power_B_reac	4639.47	0.0	2319.735	0.0
load	N_1100123659	constant_power_C_reac	4639.47	0.0	2319.735	0.0
load	N_1100123652	constant_power_A	19359.4	6577.12	9679.7	3288.56
load	N_1100123652	constant_power_B	19359.4	6577.12	9679.7	3288.56
load	N_1100123652	constant_power_A_real	19359.4	0.0	9679.7	0.0
load	N_1100123652	constant_power_B_real	19359.4	0.0	9679.7	0.0
load	N_1100123652	constant_power_A_reac	6577.12	0.0	3288.56	0.0
load	N_1100123652	constant_power_B_reac	6577.12	0.0	3288.56	0.0
load	N_1100040433	constant_power_A	19493.1	6407.06	9746.55	3203.53
load	N_1100040433	constant_power_B	19493.1	6407.06	9746.55	3203.53
load	N_1100040433	constant_power_C	19493.1	6407.06	9746.55	3203.53
load	N_1100040433	constant_power_A_real	19493.1	0.0	9746.55	0.0
load	N_1100040433	constant_power_B_real	19493.1	0.0	9746.55	0.0
load	N_1100040433	constant_power_C_real	19493.1	0.0	9746.55	0.0
load	N_1100040433	constant_power_A_reac	6407.06	0.0	3203.53	0.0
load	N_1100040433	constant_power_B_reac	6407.06	0.0	3203.53	0.0
load	N_1100040433	constant_power_C_reac	6407.06	0.0	3203.53	0.0
load	N_1100040430	constant_power_A	25828.7	8489.48	12914.35	4244.74
load	N_1100040430	constant_power_B	25828.7	8489.48	12914.35	4244.74
load	N_1100040430	constant_power_C	25828.7	8489.48	12914.35	4244.74
load	N_1100040430	constant_power_A_real	25828.7	0.0	12914.35	0.0
load	N_1100040430	constant_power_B_real	25828.7	0.0	12914.35	0.0
load	N_1100040430	constant_power_C_real	25828.7	0.0	12914.35	0.0
load	N_1100040430	constant_power_A_reac	8489.48	0.0	4244.74	0.0
load	N_1100040430	constant_power_B_reac	8489.48	0.0	4244.74	0.0
load	N_1100040430	constant_power_C_reac	8489.48	0.0	4244.74	0.0
load	N_1100040431	constant_power_A	29660.9	9749.06	14830.45	4874.53
load	N_1100040431	constant_power_B	29660.9	9749.06	14830.45	4874.53
load	N_1100040431	constant_power_C	29660.9	9749.06	14830.45	4874.53
load	N_1100040431	constant_power_A_real	29660.9	0.0	14830.45	0.0
load	N_1100040431	constant_power_B_real	29660.9	0.0	14830.45	0.0
load	N_1100040431	constant_power_C_real	29660.9	0.0	14830.45	0.0
load	N_1100040431	constant_power_A_reac	9749.06	0.0	4874.53	0.0
load	N_1100040431	constant_power_B_reac	9749.06	0.0	4874.53	0.0
load	N_1100040431	constant_power_C_reac	9749.06	0.0	4874.53	0.0
load	N_1100009013	constant_power_A	12438.4	4088.29	6219.2	2044.145
load	N_1100009013	constant_power_B	12438.4	4088.29	6219.2	2044.145
load	N_1100009013	constant_power_A_real	12438.4	0.0	6219.2	0.0
load	N_1100009013	constant_power_B_real	12438.4	0.0	6219.2	0.0
load	N_1100009013	constant_power_A_reac	4088.29	0.0	2044.145	0.0
load	N_1100009013	constant_power_B_reac	4088.29	0.0	2044.145	0.0
load	N_1100001309	constant_power_A	15494.8	5092.89	7747.4	2546.445
load	N_1100001309	constant_power_B	15494.8	5092.89	7747.4	2546.445
load	N_1100001309	constant_power_A_real	15494.8	0.0	7747.4	0.0
load	N_1100001309	constant_power_B_real	15494.8	0.0	7747.4	0.0
load	N_1100001309	constant_power_A_reac	5092.89	0.0	2546.445	0.0
load	N_1100001309	constant_power_B_reac	5092.89	0.0	2546.445	0.0
load	N_1100040434	constant_power_A	11930.0	3921.19	5965.0	1960.595
load	N_1100040434	constant_power_B	11930.0	3921.19	5965.0	1960.595
load	N_1100040434	constant_power_C	11930.0	3921.19	5965.0	1960.595
load	N_1100040434	constant_power_A_real	11930.0	0.0	5965.0	0.0
load	N_1100040434	constant_power_B_real	11930.0	0.0	5965.0	0.0
load	N_1100040434	constant_power_C_real	11930.0	0.0	5965.0	0.0
load	N_1100040434	constant_power_A_reac	3921.19	0.0	1960.595	0.0
load	N_1100040434	constant_power_B_reac	3921.19	0.0	1960.595	0.0
load	N_1100040434	constant_power_C_reac	3921.19	0.0	1960.595	0.0
load	N_1100122402	constant_power_A	14820.3	4871.2	7410.15	2435.6
load	N_1100122402	constant_power_B	14820.3	4871.2	7410.15	2435.6

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100122402	constant_power_A_real	14820.3	0.0	7410.15	0.0
load	N_1100122402	constant_power_B_real	14820.3	0.0	7410.15	0.0
load	N_1100122402	constant_power_A_reac	4871.2	0.0	2435.6	0.0
load	N_1100122402	constant_power_B_reac	4871.2	0.0	2435.6	0.0
load	N_1100123725	constant_power_A	1101.85	362.161	550.925	181.0805
load	N_1100123725	constant_power_B	1101.85	362.161	550.925	181.0805
load	N_1100123725	constant_power_C	1101.85	362.161	550.925	181.0805
load	N_1100123725	constant_power_A_real	1101.85	0.0	550.925	0.0
load	N_1100123725	constant_power_B_real	1101.85	0.0	550.925	0.0
load	N_1100123725	constant_power_C_real	1101.85	0.0	550.925	0.0
load	N_1100123725	constant_power_A_reac	362.161	0.0	181.0805	0.0
load	N_1100123725	constant_power_B_reac	362.161	0.0	181.0805	0.0
load	N_1100123725	constant_power_C_reac	362.161	0.0	181.0805	0.0
load	N_1100094150	constant_power_A	12132.5	3987.77	6066.25	1993.885
load	N_1100094150	constant_power_B	12132.5	3987.77	6066.25	1993.885
load	N_1100094150	constant_power_C	12132.5	3987.77	6066.25	1993.885
load	N_1100094150	constant_power_A_real	12132.5	0.0	6066.25	0.0
load	N_1100094150	constant_power_B_real	12132.5	0.0	6066.25	0.0
load	N_1100094150	constant_power_C_real	12132.5	0.0	6066.25	0.0
load	N_1100094150	constant_power_A_reac	3987.77	0.0	1993.885	0.0
load	N_1100094150	constant_power_B_reac	3987.77	0.0	1993.885	0.0
load	N_1100094150	constant_power_C_reac	3987.77	0.0	1993.885	0.0
load	N_1100414285	constant_power_A	35802.1	11767.6	17901.05	5883.8
load	N_1100414285	constant_power_B	35802.1	11767.6	17901.05	5883.8
load	N_1100414285	constant_power_A_real	35802.1	0.0	17901.05	0.0
load	N_1100414285	constant_power_B_real	35802.1	0.0	17901.05	0.0
load	N_1100414285	constant_power_A_reac	11767.6	0.0	5883.8	0.0
load	N_1100414285	constant_power_B_reac	11767.6	0.0	5883.8	0.0
load	N_1100079963	constant_power_A	18626.2	6122.12	9313.1	3061.06
load	N_1100079963	constant_power_B	18626.2	6122.12	9313.1	3061.06
load	N_1100079963	constant_power_C	18626.2	6122.12	9313.1	3061.06
load	N_1100079963	constant_power_A_real	18626.2	0.0	9313.1	0.0
load	N_1100079963	constant_power_B_real	18626.2	0.0	9313.1	0.0
load	N_1100079963	constant_power_C_real	18626.2	0.0	9313.1	0.0
load	N_1100079963	constant_power_A_reac	6122.12	0.0	3061.06	0.0
load	N_1100079963	constant_power_B_reac	6122.12	0.0	3061.06	0.0
load	N_1100079963	constant_power_C_reac	6122.12	0.0	3061.06	0.0
load	N_1100123782	constant_power_A	12487.0	4104.27	6243.5	2052.135
load	N_1100123782	constant_power_B	12487.0	4104.27	6243.5	2052.135
load	N_1100123782	constant_power_A_real	12487.0	0.0	6243.5	0.0
load	N_1100123782	constant_power_B_real	12487.0	0.0	6243.5	0.0
load	N_1100123782	constant_power_A_reac	4104.27	0.0	2052.135	0.0
load	N_1100123782	constant_power_B_reac	4104.27	0.0	2052.135	0.0
load	N_1100016682	constant_power_A	15466.4	5083.57	7733.2	2541.785
load	N_1100016682	constant_power_B	15466.4	5083.57	7733.2	2541.785
load	N_1100016682	constant_power_C	15466.4	5083.57	7733.2	2541.785
load	N_1100016682	constant_power_A_real	15466.4	0.0	7733.2	0.0
load	N_1100016682	constant_power_B_real	15466.4	0.0	7733.2	0.0
load	N_1100016682	constant_power_C_real	15466.4	0.0	7733.2	0.0
load	N_1100016682	constant_power_A_reac	5083.57	0.0	2541.785	0.0
load	N_1100016682	constant_power_B_reac	5083.57	0.0	2541.785	0.0
load	N_1100016682	constant_power_C_reac	5083.57	0.0	2541.785	0.0
load	N_1100080065	constant_power_A	32539.1	10695.1	16269.55	5347.55
load	N_1100080065	constant_power_B	32539.1	10695.1	16269.55	5347.55
load	N_1100080065	constant_power_A_real	32539.1	0.0	16269.55	0.0
load	N_1100080065	constant_power_B_real	32539.1	0.0	16269.55	0.0
load	N_1100080065	constant_power_A_reac	10695.1	0.0	5347.55	0.0
load	N_1100080065	constant_power_B_reac	10695.1	0.0	5347.55	0.0
load	N_1100040435	constant_power_A	21903.4	7199.28	10951.7	3599.64
load	N_1100040435	constant_power_B	21903.4	7199.28	10951.7	3599.64
load	N_1100040435	constant_power_C	21903.4	7199.28	10951.7	3599.64
load	N_1100040435	constant_power_A_real	21903.4	0.0	10951.7	0.0
load	N_1100040435	constant_power_B_real	21903.4	0.0	10951.7	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100040435	constant_power_C_real	21903.4	0.0	10951.7	0.0
load	N_1100040435	constant_power_A_reac	7199.28	0.0	3599.64	0.0
load	N_1100040435	constant_power_B_reac	7199.28	0.0	3599.64	0.0
load	N_1100040435	constant_power_C_reac	7199.28	0.0	3599.64	0.0
load	N_1100016687	constant_power_A	20299.2	6672.02	10149.6	3336.01
load	N_1100016687	constant_power_B	20299.2	6672.02	10149.6	3336.01
load	N_1100016687	constant_power_C	20299.2	6672.02	10149.6	3336.01
load	N_1100016687	constant_power_A_real	20299.2	0.0	10149.6	0.0
load	N_1100016687	constant_power_B_real	20299.2	0.0	10149.6	0.0
load	N_1100016687	constant_power_C_real	20299.2	0.0	10149.6	0.0
load	N_1100016687	constant_power_A_reac	6672.02	0.0	3336.01	0.0
load	N_1100016687	constant_power_B_reac	6672.02	0.0	3336.01	0.0
load	N_1100016687	constant_power_C_reac	6672.02	0.0	3336.01	0.0
load	N_1100123661	constant_power_A	1065.39	350.178	532.695	175.089
load	N_1100123661	constant_power_B	1065.39	350.178	532.695	175.089
load	N_1100123661	constant_power_C	1065.39	350.178	532.695	175.089
load	N_1100123661	constant_power_A_real	1065.39	0.0	532.695	0.0
load	N_1100123661	constant_power_B_real	1065.39	0.0	532.695	0.0
load	N_1100123661	constant_power_C_real	1065.39	0.0	532.695	0.0
load	N_1100123661	constant_power_A_reac	350.178	0.0	175.089	0.0
load	N_1100123661	constant_power_B_reac	350.178	0.0	175.089	0.0
load	N_1100123661	constant_power_C_reac	350.178	0.0	175.089	0.0
load	N_1100123667	constant_power_A	1012.73	332.869	506.365	166.4345
load	N_1100123667	constant_power_B	1012.73	332.869	506.365	166.4345
load	N_1100123667	constant_power_C	1012.73	332.869	506.365	166.4345
load	N_1100123667	constant_power_A_real	1012.73	0.0	506.365	0.0
load	N_1100123667	constant_power_B_real	1012.73	0.0	506.365	0.0
load	N_1100123667	constant_power_C_real	1012.73	0.0	506.365	0.0
load	N_1100123667	constant_power_A_reac	332.869	0.0	166.4345	0.0
load	N_1100123667	constant_power_B_reac	332.869	0.0	166.4345	0.0
load	N_1100123667	constant_power_C_reac	332.869	0.0	166.4345	0.0
load	N_1100123666	constant_power_A	1020.83	335.532	510.415	167.766
load	N_1100123666	constant_power_B	1020.83	335.532	510.415	167.766
load	N_1100123666	constant_power_C	1020.83	335.532	510.415	167.766
load	N_1100123666	constant_power_A_real	1020.83	0.0	510.415	0.0
load	N_1100123666	constant_power_B_real	1020.83	0.0	510.415	0.0
load	N_1100123666	constant_power_C_real	1020.83	0.0	510.415	0.0
load	N_1100123666	constant_power_A_reac	335.532	0.0	167.766	0.0
load	N_1100123666	constant_power_B_reac	335.532	0.0	167.766	0.0
load	N_1100123666	constant_power_C_reac	335.532	0.0	167.766	0.0
load	N_1100080347	constant_power_A	7862.85	2584.39	3931.425	1292.195
load	N_1100080347	constant_power_B	7862.85	2584.39	3931.425	1292.195
load	N_1100080347	constant_power_C	7862.85	2584.39	3931.425	1292.195
load	N_1100080347	constant_power_A_real	7862.85	0.0	3931.425	0.0
load	N_1100080347	constant_power_B_real	7862.85	0.0	3931.425	0.0
load	N_1100080347	constant_power_C_real	7862.85	0.0	3931.425	0.0
load	N_1100080347	constant_power_A_reac	2584.39	0.0	1292.195	0.0
load	N_1100080347	constant_power_B_reac	2584.39	0.0	1292.195	0.0
load	N_1100080347	constant_power_C_reac	2584.39	0.0	1292.195	0.0
load	N_1100123664	constant_power_A	2922.74	960.659	1461.37	480.3295
load	N_1100123664	constant_power_B	2922.74	960.659	1461.37	480.3295
load	N_1100123664	constant_power_A_real	2922.74	0.0	1461.37	0.0
load	N_1100123664	constant_power_B_real	2922.74	0.0	1461.37	0.0
load	N_1100123664	constant_power_A_reac	960.659	0.0	480.3295	0.0
load	N_1100123664	constant_power_B_reac	960.659	0.0	480.3295	0.0
load	N_1100123704	constant_power_A	10475.7	3612.98	5237.85	1806.49
load	N_1100123704	constant_power_B	10475.7	3612.98	5237.85	1806.49
load	N_1100123704	constant_power_C	10475.7	3612.98	5237.85	1806.49
load	N_1100123704	constant_power_A_real	10475.7	0.0	5237.85	0.0
load	N_1100123704	constant_power_B_real	10475.7	0.0	5237.85	0.0
load	N_1100123704	constant_power_C_real	10475.7	0.0	5237.85	0.0
load	N_1100123704	constant_power_A_reac	3612.98	0.0	1806.49	0.0
load	N_1100123704	constant_power_B_reac	3612.98	0.0	1806.49	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100123704	constant_power_C_reac	3612.98	0.0	1806.49	0.0
load	N_1100123705	constant_power_A	1875.58	616.473	937.79	308.2365
load	N_1100123705	constant_power_B	1875.58	616.473	937.79	308.2365
load	N_1100123705	constant_power_C	1875.58	616.473	937.79	308.2365
load	N_1100123705	constant_power_A_real	1875.58	0.0	937.79	0.0
load	N_1100123705	constant_power_B_real	1875.58	0.0	937.79	0.0
load	N_1100123705	constant_power_C_real	1875.58	0.0	937.79	0.0
load	N_1100123705	constant_power_A_reac	616.473	0.0	308.2365	0.0
load	N_1100123705	constant_power_B_reac	616.473	0.0	308.2365	0.0
load	N_1100123705	constant_power_C_reac	616.473	0.0	308.2365	0.0
load	N_1100122415	constant_power_A	7455.73	2560.23	3727.865	1280.115
load	N_1100122415	constant_power_B	7455.73	2560.23	3727.865	1280.115
load	N_1100122415	constant_power_A_real	7455.73	0.0	3727.865	0.0
load	N_1100122415	constant_power_B_real	7455.73	0.0	3727.865	0.0
load	N_1100122415	constant_power_A_reac	2560.23	0.0	1280.115	0.0
load	N_1100122415	constant_power_B_reac	2560.23	0.0	1280.115	0.0
load	N_1100123651	constant_power_A	25138.0	8262.47	12569.0	4131.235
load	N_1100123651	constant_power_B	25138.0	8262.47	12569.0	4131.235
load	N_1100123651	constant_power_A_real	25138.0	0.0	12569.0	0.0
load	N_1100123651	constant_power_B_real	25138.0	0.0	12569.0	0.0
load	N_1100123651	constant_power_A_reac	8262.47	0.0	4131.235	0.0
load	N_1100123651	constant_power_B_reac	8262.47	0.0	4131.235	0.0
load	N_1100122413	constant_power_A	9120.66	2997.82	4560.33	1498.91
load	N_1100122413	constant_power_B	9120.66	2997.82	4560.33	1498.91
load	N_1100122413	constant_power_A_real	9120.66	0.0	4560.33	0.0
load	N_1100122413	constant_power_B_real	9120.66	0.0	4560.33	0.0
load	N_1100122413	constant_power_A_reac	2997.82	0.0	1498.91	0.0
load	N_1100122413	constant_power_B_reac	2997.82	0.0	1498.91	0.0
load	N_1100122412	constant_power_A	9132.81	3001.81	4566.405	1500.905
load	N_1100122412	constant_power_B	9132.81	3001.81	4566.405	1500.905
load	N_1100122412	constant_power_A_real	9132.81	0.0	4566.405	0.0
load	N_1100122412	constant_power_B_real	9132.81	0.0	4566.405	0.0
load	N_1100122412	constant_power_A_reac	3001.81	0.0	1500.905	0.0
load	N_1100122412	constant_power_B_reac	3001.81	0.0	1500.905	0.0
load	N_1100122411	constant_power_A	24427.1	8028.79	12213.55	4014.395
load	N_1100122411	constant_power_B	24427.1	8028.79	12213.55	4014.395
load	N_1100122411	constant_power_A_real	24427.1	0.0	12213.55	0.0
load	N_1100122411	constant_power_B_real	24427.1	0.0	12213.55	0.0
load	N_1100122411	constant_power_A_reac	8028.79	0.0	4014.395	0.0
load	N_1100122411	constant_power_B_reac	8028.79	0.0	4014.395	0.0
load	N_1100123703	constant_power_A	11306.1	3716.15	5653.05	1858.075
load	N_1100123703	constant_power_B	11306.1	3716.15	5653.05	1858.075
load	N_1100123703	constant_power_C	11306.1	3716.15	5653.05	1858.075
load	N_1100123703	constant_power_A_real	11306.1	0.0	5653.05	0.0
load	N_1100123703	constant_power_B_real	11306.1	0.0	5653.05	0.0
load	N_1100123703	constant_power_C_real	11306.1	0.0	5653.05	0.0
load	N_1100123703	constant_power_A_reac	3716.15	0.0	1858.075	0.0
load	N_1100123703	constant_power_B_reac	3716.15	0.0	1858.075	0.0
load	N_1100123703	constant_power_C_reac	3716.15	0.0	1858.075	0.0
load	N_1100039014	constant_power_A	3775.46	1240.93	1887.73	620.465
load	N_1100039014	constant_power_B	3775.46	1240.93	1887.73	620.465
load	N_1100039014	constant_power_C	3775.46	1240.93	1887.73	620.465
load	N_1100039014	constant_power_A_real	3775.46	0.0	1887.73	0.0
load	N_1100039014	constant_power_B_real	3775.46	0.0	1887.73	0.0
load	N_1100039014	constant_power_C_real	3775.46	0.0	1887.73	0.0
load	N_1100039014	constant_power_A_reac	1240.93	0.0	620.465	0.0
load	N_1100039014	constant_power_B_reac	1240.93	0.0	620.465	0.0
load	N_1100039014	constant_power_C_reac	1240.93	0.0	620.465	0.0
load	N_1100039010	constant_power_A	1980.9	651.091	990.45	325.5455
load	N_1100039010	constant_power_B	1980.9	651.091	990.45	325.5455
load	N_1100039010	constant_power_C	1980.9	651.091	990.45	325.5455
load	N_1100039010	constant_power_A_real	1980.9	0.0	990.45	0.0
load	N_1100039010	constant_power_B_real	1980.9	0.0	990.45	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100039010	constant_power_C_real	1980.9	0.0	990.45	0.0
load	N_1100039010	constant_power_A_reac	651.091	0.0	325.5455	0.0
load	N_1100039010	constant_power_B_reac	651.091	0.0	325.5455	0.0
load	N_1100039010	constant_power_C_reac	651.091	0.0	325.5455	0.0
load	N_1100041697	constant_power_A	15478.6	5087.57	7739.3	2543.785
load	N_1100041697	constant_power_B	15478.6	5087.57	7739.3	2543.785
load	N_1100041697	constant_power_C	15478.6	5087.57	7739.3	2543.785
load	N_1100041697	constant_power_A_real	15478.6	0.0	7739.3	0.0
load	N_1100041697	constant_power_B_real	15478.6	0.0	7739.3	0.0
load	N_1100041697	constant_power_C_real	15478.6	0.0	7739.3	0.0
load	N_1100041697	constant_power_A_reac	5087.57	0.0	2543.785	0.0
load	N_1100041697	constant_power_B_reac	5087.57	0.0	2543.785	0.0
load	N_1100041697	constant_power_C_reac	5087.57	0.0	2543.785	0.0
load	N_1100041699	constant_power_A	17317.7	5692.05	8658.85	2846.025
load	N_1100041699	constant_power_B	17317.7	5692.05	8658.85	2846.025
load	N_1100041699	constant_power_C	17317.7	5692.05	8658.85	2846.025
load	N_1100041699	constant_power_A_real	17317.7	0.0	8658.85	0.0
load	N_1100041699	constant_power_B_real	17317.7	0.0	8658.85	0.0
load	N_1100041699	constant_power_C_real	17317.7	0.0	8658.85	0.0
load	N_1100041699	constant_power_A_reac	5692.05	0.0	2846.025	0.0
load	N_1100041699	constant_power_B_reac	5692.05	0.0	2846.025	0.0
load	N_1100041699	constant_power_C_reac	5692.05	0.0	2846.025	0.0
load	N_1100041698	constant_power_A	14226.9	4676.14	7113.45	2338.07
load	N_1100041698	constant_power_B	14226.9	4676.14	7113.45	2338.07
load	N_1100041698	constant_power_C	14226.9	4676.14	7113.45	2338.07
load	N_1100041698	constant_power_A_real	14226.9	0.0	7113.45	0.0
load	N_1100041698	constant_power_B_real	14226.9	0.0	7113.45	0.0
load	N_1100041698	constant_power_C_real	14226.9	0.0	7113.45	0.0
load	N_1100041698	constant_power_A_reac	4676.14	0.0	2338.07	0.0
load	N_1100041698	constant_power_B_reac	4676.14	0.0	2338.07	0.0
load	N_1100041698	constant_power_C_reac	4676.14	0.0	2338.07	0.0
load	N_1100090467	constant_power_A	15203.1	4997.02	7601.55	2498.51
load	N_1100090467	constant_power_B	15203.1	4997.02	7601.55	2498.51
load	N_1100090467	constant_power_A_real	15203.1	0.0	7601.55	0.0
load	N_1100090467	constant_power_B_real	15203.1	0.0	7601.55	0.0
load	N_1100090467	constant_power_A_reac	4997.02	0.0	2498.51	0.0
load	N_1100090467	constant_power_B_reac	4997.02	0.0	2498.51	0.0
load	N_1100123714	constant_power_A	4265.62	2395.99	2132.81	1197.995
load	N_1100123714	constant_power_B	4265.62	2395.99	2132.81	1197.995
load	N_1100123714	constant_power_C	4265.62	2395.99	2132.81	1197.995
load	N_1100123714	constant_power_A_real	4265.62	0.0	2132.81	0.0
load	N_1100123714	constant_power_B_real	4265.62	0.0	2132.81	0.0
load	N_1100123714	constant_power_C_real	4265.62	0.0	2132.81	0.0
load	N_1100123714	constant_power_A_reac	2395.99	0.0	1197.995	0.0
load	N_1100123714	constant_power_B_reac	2395.99	0.0	1197.995	0.0
load	N_1100123714	constant_power_C_reac	2395.99	0.0	1197.995	0.0
load	N_1100041118	constant_power_A	15049.2	4946.43	7524.6	2473.215
load	N_1100041118	constant_power_B	15049.2	4946.43	7524.6	2473.215
load	N_1100041118	constant_power_C	15049.2	4946.43	7524.6	2473.215
load	N_1100041118	constant_power_A_real	15049.2	0.0	7524.6	0.0
load	N_1100041118	constant_power_B_real	15049.2	0.0	7524.6	0.0
load	N_1100041118	constant_power_C_real	15049.2	0.0	7524.6	0.0
load	N_1100041118	constant_power_A_reac	4946.43	0.0	2473.215	0.0
load	N_1100041118	constant_power_B_reac	4946.43	0.0	2473.215	0.0
load	N_1100041118	constant_power_C_reac	4946.43	0.0	2473.215	0.0
load	N_1100122397	constant_power_A	11654.5	3830.65	5827.25	1915.325
load	N_1100122397	constant_power_B	11654.5	3830.65	5827.25	1915.325
load	N_1100122397	constant_power_A_real	11654.5	0.0	5827.25	0.0
load	N_1100122397	constant_power_B_real	11654.5	0.0	5827.25	0.0
load	N_1100122397	constant_power_A_reac	3830.65	0.0	1915.325	0.0
load	N_1100122397	constant_power_B_reac	3830.65	0.0	1915.325	0.0
load	N_1100123776	constant_power_A	1053.24	432.255	526.62	216.1275
load	N_1100123776	constant_power_B	1053.24	432.255	526.62	216.1275

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100123776	constant_power_C	1053.24	432.255	526.62	216.1275
load	N_1100123776	constant_power_A_real	1053.24	0.0	526.62	0.0
load	N_1100123776	constant_power_B_real	1053.24	0.0	526.62	0.0
load	N_1100123776	constant_power_C_real	1053.24	0.0	526.62	0.0
load	N_1100123776	constant_power_A_reac	432.255	0.0	216.1275	0.0
load	N_1100123776	constant_power_B_reac	432.255	0.0	216.1275	0.0
load	N_1100123776	constant_power_C_reac	432.255	0.0	216.1275	0.0
load	N_1100008860	constant_power_A	17603.3	5785.92	8801.65	2892.96
load	N_1100008860	constant_power_B	17603.3	5785.92	8801.65	2892.96
load	N_1100008860	constant_power_A_real	17603.3	0.0	8801.65	0.0
load	N_1100008860	constant_power_B_real	17603.3	0.0	8801.65	0.0
load	N_1100008860	constant_power_A_reac	5785.92	0.0	2892.96	0.0
load	N_1100008860	constant_power_B_reac	5785.92	0.0	2892.96	0.0
load	N_1100008863	constant_power_A	17117.2	5626.15	8558.6	2813.075
load	N_1100008863	constant_power_B	17117.2	5626.15	8558.6	2813.075
load	N_1100008863	constant_power_A_real	17117.2	0.0	8558.6	0.0
load	N_1100008863	constant_power_B_real	17117.2	0.0	8558.6	0.0
load	N_1100008863	constant_power_A_reac	5626.15	0.0	2813.075	0.0
load	N_1100008863	constant_power_B_reac	5626.15	0.0	2813.075	0.0
load	N_1100060028	constant_power_A	26389.8	8673.89	13194.9	4336.945
load	N_1100060028	constant_power_B	26389.8	8673.89	13194.9	4336.945
load	N_1100060028	constant_power_A_real	26389.8	0.0	13194.9	0.0
load	N_1100060028	constant_power_B_real	26389.8	0.0	13194.9	0.0
load	N_1100060028	constant_power_A_reac	8673.89	0.0	4336.945	0.0
load	N_1100060028	constant_power_B_reac	8673.89	0.0	4336.945	0.0
load	N_1100123588	constant_power_A	10038.2	3299.39	5019.1	1649.695
load	N_1100123588	constant_power_B	10038.2	3299.39	5019.1	1649.695
load	N_1100123588	constant_power_A_real	10038.2	0.0	5019.1	0.0
load	N_1100123588	constant_power_B_real	10038.2	0.0	5019.1	0.0
load	N_1100123588	constant_power_A_reac	3299.39	0.0	1649.695	0.0
load	N_1100123588	constant_power_B_reac	3299.39	0.0	1649.695	0.0
load	N_1100001308	constant_power_A	34969.6	11494.0	17484.8	5747.0
load	N_1100001308	constant_power_B	34969.6	11494.0	17484.8	5747.0
load	N_1100001308	constant_power_A_real	34969.6	0.0	17484.8	0.0
load	N_1100001308	constant_power_B_real	34969.6	0.0	17484.8	0.0
load	N_1100001308	constant_power_A_reac	11494.0	0.0	5747.0	0.0
load	N_1100001308	constant_power_B_reac	11494.0	0.0	5747.0	0.0
load	N_1100089751	constant_power_A	1709.49	589.001	854.745	294.5005
load	N_1100089751	constant_power_B	1709.49	589.001	854.745	294.5005
load	N_1100089751	constant_power_C	1709.49	589.001	854.745	294.5005
load	N_1100089751	constant_power_A_real	1709.49	0.0	854.745	0.0
load	N_1100089751	constant_power_B_real	1709.49	0.0	854.745	0.0
load	N_1100089751	constant_power_C_real	1709.49	0.0	854.745	0.0
load	N_1100089751	constant_power_A_reac	589.001	0.0	294.5005	0.0
load	N_1100089751	constant_power_B_reac	589.001	0.0	294.5005	0.0
load	N_1100089751	constant_power_C_reac	589.001	0.0	294.5005	0.0
load	N_1100039436	constant_power_A	10961.8	3602.97	5480.9	1801.485
load	N_1100039436	constant_power_B	10961.8	3602.97	5480.9	1801.485
load	N_1100039436	constant_power_A_real	10961.8	0.0	5480.9	0.0
load	N_1100039436	constant_power_B_real	10961.8	0.0	5480.9	0.0
load	N_1100039436	constant_power_A_reac	3602.97	0.0	1801.485	0.0
load	N_1100039436	constant_power_B_reac	3602.97	0.0	1801.485	0.0
load	N_1100059574	constant_power_A	15333.3	9502.75	7666.65	4751.375
load	N_1100059574	constant_power_B	15333.3	9502.75	7666.65	4751.375
load	N_1100059574	constant_power_C	15333.3	9502.75	7666.65	4751.375
load	N_1100059574	constant_power_A_real	15333.3	0.0	7666.65	0.0
load	N_1100059574	constant_power_B_real	15333.3	0.0	7666.65	0.0
load	N_1100059574	constant_power_C_real	15333.3	0.0	7666.65	0.0
load	N_1100059574	constant_power_A_reac	9502.75	0.0	4751.375	0.0
load	N_1100059574	constant_power_B_reac	9502.75	0.0	4751.375	0.0
load	N_1100059574	constant_power_C_reac	9502.75	0.0	4751.375	0.0
load	N_1100040955	constant_power_A	9519.67	3128.97	4759.835	1564.485
load	N_1100040955	constant_power_B	9519.67	3128.97	4759.835	1564.485

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100040955	constant_power_C	9519.67	3128.97	4759.835	1564.485
load	N_1100040955	constant_power_A_real	9519.67	0.0	4759.835	0.0
load	N_1100040955	constant_power_B_real	9519.67	0.0	4759.835	0.0
load	N_1100040955	constant_power_C_real	9519.67	0.0	4759.835	0.0
load	N_1100040955	constant_power_A_reac	3128.97	0.0	1564.485	0.0
load	N_1100040955	constant_power_B_reac	3128.97	0.0	1564.485	0.0
load	N_1100040955	constant_power_C_reac	3128.97	0.0	1564.485	0.0
load	N_1100123792	constant_power_A	2134.84	701.687	1067.42	350.8435
load	N_1100123792	constant_power_B	2134.84	701.687	1067.42	350.8435
load	N_1100123792	constant_power_C	2134.84	701.687	1067.42	350.8435
load	N_1100123792	constant_power_A_real	2134.84	0.0	1067.42	0.0
load	N_1100123792	constant_power_B_real	2134.84	0.0	1067.42	0.0
load	N_1100123792	constant_power_C_real	2134.84	0.0	1067.42	0.0
load	N_1100123792	constant_power_A_reac	701.687	0.0	350.8435	0.0
load	N_1100123792	constant_power_B_reac	701.687	0.0	350.8435	0.0
load	N_1100123792	constant_power_C_reac	701.687	0.0	350.8435	0.0
load	N_1100040956	constant_power_A	17974.0	5907.75	8987.0	2953.875
load	N_1100040956	constant_power_B	17974.0	5907.75	8987.0	2953.875
load	N_1100040956	constant_power_C	17974.0	5907.75	8987.0	2953.875
load	N_1100040956	constant_power_A_real	17974.0	0.0	8987.0	0.0
load	N_1100040956	constant_power_B_real	17974.0	0.0	8987.0	0.0
load	N_1100040956	constant_power_C_real	17974.0	0.0	8987.0	0.0
load	N_1100040956	constant_power_A_reac	5907.75	0.0	2953.875	0.0
load	N_1100040956	constant_power_B_reac	5907.75	0.0	2953.875	0.0
load	N_1100040956	constant_power_C_reac	5907.75	0.0	2953.875	0.0
load	N_1100123656	constant_power_A	1701.39	1054.43	850.695	527.215
load	N_1100123656	constant_power_B	1701.39	1054.43	850.695	527.215
load	N_1100123656	constant_power_C	1701.39	1054.43	850.695	527.215
load	N_1100123656	constant_power_A_real	1701.39	0.0	850.695	0.0
load	N_1100123656	constant_power_B_real	1701.39	0.0	850.695	0.0
load	N_1100123656	constant_power_C_real	1701.39	0.0	850.695	0.0
load	N_1100123656	constant_power_A_reac	1054.43	0.0	527.215	0.0
load	N_1100123656	constant_power_B_reac	1054.43	0.0	527.215	0.0
load	N_1100123656	constant_power_C_reac	1054.43	0.0	527.215	0.0
load	N_1100123655	constant_power_A	40000.0	24789.8	20000.0	12394.9
load	N_1100123655	constant_power_B	40000.0	24789.8	20000.0	12394.9
load	N_1100123655	constant_power_C	40000.0	24789.8	20000.0	12394.9
load	N_1100123655	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	N_1100123655	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	N_1100123655	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	N_1100123655	constant_power_A_reac	24789.8	0.0	12394.9	0.0
load	N_1100123655	constant_power_B_reac	24789.8	0.0	12394.9	0.0
load	N_1100123655	constant_power_C_reac	24789.8	0.0	12394.9	0.0
load	N_1100016282	constant_power_A	38000.0	23550.3	19000.0	11775.15
load	N_1100016282	constant_power_B	38000.0	23550.3	19000.0	11775.15
load	N_1100016282	constant_power_C	38000.0	23550.3	19000.0	11775.15
load	N_1100016282	constant_power_A_real	38000.0	0.0	19000.0	0.0
load	N_1100016282	constant_power_B_real	38000.0	0.0	19000.0	0.0
load	N_1100016282	constant_power_C_real	38000.0	0.0	19000.0	0.0
load	N_1100016282	constant_power_A_reac	23550.3	0.0	11775.15	0.0
load	N_1100016282	constant_power_B_reac	23550.3	0.0	11775.15	0.0
load	N_1100016282	constant_power_C_reac	23550.3	0.0	11775.15	0.0
load	N_1100123653	constant_power_A	15543.4	5108.87	7771.7	2554.435
load	N_1100123653	constant_power_B	15543.4	5108.87	7771.7	2554.435
load	N_1100123653	constant_power_A_real	15543.4	0.0	7771.7	0.0
load	N_1100123653	constant_power_B_real	15543.4	0.0	7771.7	0.0
load	N_1100123653	constant_power_A_reac	5108.87	0.0	2554.435	0.0
load	N_1100123653	constant_power_B_reac	5108.87	0.0	2554.435	0.0
load	N_1100006700	constant_power_A	10451.4	5495.62	5225.7	2747.81
load	N_1100006700	constant_power_B	10451.4	5495.62	5225.7	2747.81
load	N_1100006700	constant_power_A_real	10451.4	0.0	5225.7	0.0
load	N_1100006700	constant_power_B_real	10451.4	0.0	5225.7	0.0
load	N_1100006700	constant_power_A_reac	5495.62	0.0	2747.81	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100006700	constant_power_B_reac	5495.62	0.0	2747.81	0.0
load	N_1100123798	constant_power_A	3953.7	1299.52	1976.85	649.76
load	N_1100123798	constant_power_B	3953.7	1299.52	1976.85	649.76
load	N_1100123798	constant_power_C	3953.7	1299.52	1976.85	649.76
load	N_1100123798	constant_power_A_real	3953.7	0.0	1976.85	0.0
load	N_1100123798	constant_power_B_real	3953.7	0.0	1976.85	0.0
load	N_1100123798	constant_power_C_real	3953.7	0.0	1976.85	0.0
load	N_1100123798	constant_power_A_reac	1299.52	0.0	649.76	0.0
load	N_1100123798	constant_power_B_reac	1299.52	0.0	649.76	0.0
load	N_1100123798	constant_power_C_reac	1299.52	0.0	649.76	0.0
load	N_1100123808	constant_power_A	1300.35	805.883	650.175	402.9415
load	N_1100123808	constant_power_B	1300.35	805.883	650.175	402.9415
load	N_1100123808	constant_power_C	1300.35	805.883	650.175	402.9415
load	N_1100123808	constant_power_A_real	1300.35	0.0	650.175	0.0
load	N_1100123808	constant_power_B_real	1300.35	0.0	650.175	0.0
load	N_1100123808	constant_power_C_real	1300.35	0.0	650.175	0.0
load	N_1100123808	constant_power_A_reac	805.883	0.0	402.9415	0.0
load	N_1100123808	constant_power_B_reac	805.883	0.0	402.9415	0.0
load	N_1100123808	constant_power_C_reac	805.883	0.0	402.9415	0.0
load	N_1100080348	constant_power_A	9823.49	3228.83	4911.745	1614.415
load	N_1100080348	constant_power_B	9823.49	3228.83	4911.745	1614.415
load	N_1100080348	constant_power_C	9823.49	3228.83	4911.745	1614.415
load	N_1100080348	constant_power_A_real	9823.49	0.0	4911.745	0.0
load	N_1100080348	constant_power_B_real	9823.49	0.0	4911.745	0.0
load	N_1100080348	constant_power_C_real	9823.49	0.0	4911.745	0.0
load	N_1100080348	constant_power_A_reac	3228.83	0.0	1614.415	0.0
load	N_1100080348	constant_power_B_reac	3228.83	0.0	1614.415	0.0
load	N_1100080348	constant_power_C_reac	3228.83	0.0	1614.415	0.0
load	N_1100042462	constant_power_A	20362.0	6692.66	10181.0	3346.33
load	N_1100042462	constant_power_B	20362.0	6692.66	10181.0	3346.33
load	N_1100042462	constant_power_A_real	20362.0	0.0	10181.0	0.0
load	N_1100042462	constant_power_B_real	20362.0	0.0	10181.0	0.0
load	N_1100042462	constant_power_A_reac	6692.66	0.0	3346.33	0.0
load	N_1100042462	constant_power_B_reac	6692.66	0.0	3346.33	0.0
load	N_1100123713	constant_power_A	1190.97	391.454	595.485	195.727
load	N_1100123713	constant_power_B	1190.97	391.454	595.485	195.727
load	N_1100123713	constant_power_C	1190.97	391.454	595.485	195.727
load	N_1100123713	constant_power_A_real	1190.97	0.0	595.485	0.0
load	N_1100123713	constant_power_B_real	1190.97	0.0	595.485	0.0
load	N_1100123713	constant_power_C_real	1190.97	0.0	595.485	0.0
load	N_1100123713	constant_power_A_reac	391.454	0.0	195.727	0.0
load	N_1100123713	constant_power_B_reac	391.454	0.0	195.727	0.0
load	N_1100123713	constant_power_C_reac	391.454	0.0	195.727	0.0
load	N_1100042461	constant_power_A	22592.0	7425.63	11296.0	3712.815
load	N_1100042461	constant_power_B	22592.0	7425.63	11296.0	3712.815
load	N_1100042461	constant_power_A_real	22592.0	0.0	11296.0	0.0
load	N_1100042461	constant_power_B_real	22592.0	0.0	11296.0	0.0
load	N_1100042461	constant_power_A_reac	7425.63	0.0	3712.815	0.0
load	N_1100042461	constant_power_B_reac	7425.63	0.0	3712.815	0.0
load	N_1100123711	constant_power_A	465.856	153.12	232.928	76.56
load	N_1100123711	constant_power_B	465.856	153.12	232.928	76.56
load	N_1100123711	constant_power_C	465.856	153.12	232.928	76.56
load	N_1100123711	constant_power_A_real	465.856	0.0	232.928	0.0
load	N_1100123711	constant_power_B_real	465.856	0.0	232.928	0.0
load	N_1100123711	constant_power_C_real	465.856	0.0	232.928	0.0
load	N_1100123711	constant_power_A_reac	153.12	0.0	76.56	0.0
load	N_1100123711	constant_power_B_reac	153.12	0.0	76.56	0.0
load	N_1100123711	constant_power_C_reac	153.12	0.0	76.56	0.0
load	N_1100041479	constant_power_A	41333.3	25616.1	20666.65	12808.05
load	N_1100041479	constant_power_B	41333.3	25616.1	20666.65	12808.05
load	N_1100041479	constant_power_C	41333.3	25616.1	20666.65	12808.05
load	N_1100041479	constant_power_A_real	41333.3	0.0	20666.65	0.0
load	N_1100041479	constant_power_B_real	41333.3	0.0	20666.65	0.0

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100041479	constant_power_C_real	41333.3	0.0	20666.65	0.0
load	N_1100041479	constant_power_A_reac	25616.1	0.0	12808.05	0.0
load	N_1100041479	constant_power_B_reac	25616.1	0.0	12808.05	0.0
load	N_1100041479	constant_power_C_reac	25616.1	0.0	12808.05	0.0
load	N_1100039005	constant_power_A	4101.56	1348.12	2050.78	674.06
load	N_1100039005	constant_power_B	4101.56	1348.12	2050.78	674.06
load	N_1100039005	constant_power_A_real	4101.56	0.0	2050.78	0.0
load	N_1100039005	constant_power_B_real	4101.56	0.0	2050.78	0.0
load	N_1100039005	constant_power_A_reac	1348.12	0.0	674.06	0.0
load	N_1100039005	constant_power_B_reac	1348.12	0.0	674.06	0.0
load	N_1100122388	constant_power_A	20957.5	6888.38	10478.75	3444.19
load	N_1100122388	constant_power_B	20957.5	6888.38	10478.75	3444.19
load	N_1100122388	constant_power_A_real	20957.5	0.0	10478.75	0.0
load	N_1100122388	constant_power_B_real	20957.5	0.0	10478.75	0.0
load	N_1100122388	constant_power_A_reac	6888.38	0.0	3444.19	0.0
load	N_1100122388	constant_power_B_reac	6888.38	0.0	3444.19	0.0
load	N_1100039003	constant_power_A	1705.44	560.551	852.72	280.2755
load	N_1100039003	constant_power_B	1705.44	560.551	852.72	280.2755
load	N_1100039003	constant_power_C	1705.44	560.551	852.72	280.2755
load	N_1100039003	constant_power_A_real	1705.44	0.0	852.72	0.0
load	N_1100039003	constant_power_B_real	1705.44	0.0	852.72	0.0
load	N_1100039003	constant_power_C_real	1705.44	0.0	852.72	0.0
load	N_1100039003	constant_power_A_reac	560.551	0.0	280.2755	0.0
load	N_1100039003	constant_power_B_reac	560.551	0.0	280.2755	0.0
load	N_1100039003	constant_power_C_reac	560.551	0.0	280.2755	0.0
load	N_1100063355	constant_power_A	15743.9	5174.78	7871.95	2587.39
load	N_1100063355	constant_power_B	15743.9	5174.78	7871.95	2587.39
load	N_1100063355	constant_power_A_real	15743.9	0.0	7871.95	0.0
load	N_1100063355	constant_power_B_real	15743.9	0.0	7871.95	0.0
load	N_1100063355	constant_power_A_reac	5174.78	0.0	2587.39	0.0
load	N_1100063355	constant_power_B_reac	5174.78	0.0	2587.39	0.0
load	N_1100040450	constant_power_A	22810.8	7497.53	11405.4	3748.765
load	N_1100040450	constant_power_B	22810.8	7497.53	11405.4	3748.765
load	N_1100040450	constant_power_A_real	22810.8	0.0	11405.4	0.0
load	N_1100040450	constant_power_B_real	22810.8	0.0	11405.4	0.0
load	N_1100040450	constant_power_A_reac	7497.53	0.0	3748.765	0.0
load	N_1100040450	constant_power_B_reac	7497.53	0.0	3748.765	0.0
load	N_1100122382	constant_power_A	17797.7	5849.83	8898.85	2924.915
load	N_1100122382	constant_power_B	17797.7	5849.83	8898.85	2924.915
load	N_1100122382	constant_power_A_real	17797.7	0.0	8898.85	0.0
load	N_1100122382	constant_power_B_real	17797.7	0.0	8898.85	0.0
load	N_1100122382	constant_power_A_reac	5849.83	0.0	2924.915	0.0
load	N_1100122382	constant_power_B_reac	5849.83	0.0	2924.915	0.0
load	N_1100040453	constant_power_A	4350.69	1430.0	2175.345	715.0
load	N_1100040453	constant_power_B	4350.69	1430.0	2175.345	715.0
load	N_1100040453	constant_power_C	4350.69	1430.0	2175.345	715.0
load	N_1100040453	constant_power_A_real	4350.69	0.0	2175.345	0.0
load	N_1100040453	constant_power_B_real	4350.69	0.0	2175.345	0.0
load	N_1100040453	constant_power_C_real	4350.69	0.0	2175.345	0.0
load	N_1100040453	constant_power_A_reac	1430.0	0.0	715.0	0.0
load	N_1100040453	constant_power_B_reac	1430.0	0.0	715.0	0.0
load	N_1100040453	constant_power_C_reac	1430.0	0.0	715.0	0.0
load	N_1100095368	constant_power_A	1154.51	379.47	577.255	189.735
load	N_1100095368	constant_power_B	1154.51	379.47	577.255	189.735
load	N_1100095368	constant_power_C	1154.51	379.47	577.255	189.735
load	N_1100095368	constant_power_A_real	1154.51	0.0	577.255	0.0
load	N_1100095368	constant_power_B_real	1154.51	0.0	577.255	0.0
load	N_1100095368	constant_power_C_real	1154.51	0.0	577.255	0.0
load	N_1100095368	constant_power_A_reac	379.47	0.0	189.735	0.0
load	N_1100095368	constant_power_B_reac	379.47	0.0	189.735	0.0
load	N_1100095368	constant_power_C_reac	379.47	0.0	189.735	0.0
load	N_1100039009	constant_power_A	7000.0	2300.79	3500.0	1150.395
load	N_1100039009	constant_power_B	7000.0	2300.79	3500.0	1150.395

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100039009	constant_power_C	7000.0	2300.79	3500.0	1150.395
load	N_1100039009	constant_power_A_real	7000.0	0.0	3500.0	0.0
load	N_1100039009	constant_power_B_real	7000.0	0.0	3500.0	0.0
load	N_1100039009	constant_power_C_real	7000.0	0.0	3500.0	0.0
load	N_1100039009	constant_power_A_reac	2300.79	0.0	1150.395	0.0
load	N_1100039009	constant_power_B_reac	2300.79	0.0	1150.395	0.0
load	N_1100039009	constant_power_C_reac	2300.79	0.0	1150.395	0.0
load	N_1100442530	constant_power_A	23904.5	7857.03	11952.25	3928.515
load	N_1100442530	constant_power_B	23904.5	7857.03	11952.25	3928.515
load	N_1100442530	constant_power_A_real	23904.5	0.0	11952.25	0.0
load	N_1100442530	constant_power_B_real	23904.5	0.0	11952.25	0.0
load	N_1100442530	constant_power_A_reac	7857.03	0.0	3928.515	0.0
load	N_1100442530	constant_power_B_reac	7857.03	0.0	3928.515	0.0
load	N_110044776	constant_power_A	35072.9	11527.9	17536.45	5763.95
load	N_110044776	constant_power_B	35072.9	11527.9	17536.45	5763.95
load	N_110044776	constant_power_A_real	35072.9	0.0	17536.45	0.0
load	N_110044776	constant_power_B_real	35072.9	0.0	17536.45	0.0
load	N_110044776	constant_power_A_reac	11527.9	0.0	5763.95	0.0
load	N_110044776	constant_power_B_reac	11527.9	0.0	5763.95	0.0
load	N_110044772	constant_power_A	19950.8	12364.4	9975.4	6182.2
load	N_110044772	constant_power_B	19950.8	12364.4	9975.4	6182.2
load	N_110044772	constant_power_C	19950.8	12364.4	9975.4	6182.2
load	N_110044772	constant_power_A_real	19950.8	0.0	9975.4	0.0
load	N_110044772	constant_power_B_real	19950.8	0.0	9975.4	0.0
load	N_110044772	constant_power_C_real	19950.8	0.0	9975.4	0.0
load	N_110044772	constant_power_A_reac	12364.4	0.0	6182.2	0.0
load	N_110044772	constant_power_B_reac	12364.4	0.0	6182.2	0.0
load	N_110044772	constant_power_C_reac	12364.4	0.0	6182.2	0.0
load	N_1100079903	constant_power_A	15369.2	5051.62	7684.6	2525.81
load	N_1100079903	constant_power_B	15369.2	5051.62	7684.6	2525.81
load	N_1100079903	constant_power_C	15369.2	5051.62	7684.6	2525.81
load	N_1100079903	constant_power_A_real	15369.2	0.0	7684.6	0.0
load	N_1100079903	constant_power_B_real	15369.2	0.0	7684.6	0.0
load	N_1100079903	constant_power_C_real	15369.2	0.0	7684.6	0.0
load	N_1100079903	constant_power_A_reac	5051.62	0.0	2525.81	0.0
load	N_1100079903	constant_power_B_reac	5051.62	0.0	2525.81	0.0
load	N_1100079903	constant_power_C_reac	5051.62	0.0	2525.81	0.0
load	N_1100039085	constant_power_A	11427.7	3756.09	5713.85	1878.045
load	N_1100039085	constant_power_B	11427.7	3756.09	5713.85	1878.045
load	N_1100039085	constant_power_C	11427.7	3756.09	5713.85	1878.045
load	N_1100039085	constant_power_A_real	11427.7	0.0	5713.85	0.0
load	N_1100039085	constant_power_B_real	11427.7	0.0	5713.85	0.0
load	N_1100039085	constant_power_C_real	11427.7	0.0	5713.85	0.0
load	N_1100039085	constant_power_A_reac	3756.09	0.0	1878.045	0.0
load	N_1100039085	constant_power_B_reac	3756.09	0.0	1878.045	0.0
load	N_1100039085	constant_power_C_reac	3756.09	0.0	1878.045	0.0
load	N_1100115129	constant_power_A	6979.74	2294.13	3489.87	1147.065
load	N_1100115129	constant_power_B	6979.74	2294.13	3489.87	1147.065
load	N_1100115129	constant_power_C	6979.74	2294.13	3489.87	1147.065
load	N_1100115129	constant_power_A_real	6979.74	0.0	3489.87	0.0
load	N_1100115129	constant_power_B_real	6979.74	0.0	3489.87	0.0
load	N_1100115129	constant_power_C_real	6979.74	0.0	3489.87	0.0
load	N_1100115129	constant_power_A_reac	2294.13	0.0	1147.065	0.0
load	N_1100115129	constant_power_B_reac	2294.13	0.0	1147.065	0.0
load	N_1100115129	constant_power_C_reac	2294.13	0.0	1147.065	0.0
load	N_1100044778	constant_power_A	23199.7	7625.36	11599.85	3812.68
load	N_1100044778	constant_power_B	23199.7	7625.36	11599.85	3812.68
load	N_1100044778	constant_power_A_real	23199.7	0.0	11599.85	0.0
load	N_1100044778	constant_power_B_real	23199.7	0.0	11599.85	0.0
load	N_1100044778	constant_power_A_reac	7625.36	0.0	3812.68	0.0
load	N_1100044778	constant_power_B_reac	7625.36	0.0	3812.68	0.0
load	N_1100080454	constant_power_A	16521.7	5430.42	8260.85	2715.21
load	N_1100080454	constant_power_B	16521.7	5430.42	8260.85	2715.21

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100080454	constant_power_A_real	16521.7	0.0	8260.85	0.0
load	N_1100080454	constant_power_B_real	16521.7	0.0	8260.85	0.0
load	N_1100080454	constant_power_A_reac	5430.42	0.0	2715.21	0.0
load	N_1100080454	constant_power_B_reac	5430.42	0.0	2715.21	0.0
load	N_1100080107	constant_power_A	17682.3	5811.89	8841.15	2905.945
load	N_1100080107	constant_power_B	17682.3	5811.89	8841.15	2905.945
load	N_1100080107	constant_power_A_real	17682.3	0.0	8841.15	0.0
load	N_1100080107	constant_power_B_real	17682.3	0.0	8841.15	0.0
load	N_1100080107	constant_power_A_reac	5811.89	0.0	2905.945	0.0
load	N_1100080107	constant_power_B_reac	5811.89	0.0	2905.945	0.0
load	N_1100080104	constant_power_A	21024.3	6910.35	10512.15	3455.175
load	N_1100080104	constant_power_B	21024.3	6910.35	10512.15	3455.175
load	N_1100080104	constant_power_A_real	21024.3	0.0	10512.15	0.0
load	N_1100080104	constant_power_B_real	21024.3	0.0	10512.15	0.0
load	N_1100080104	constant_power_A_reac	6910.35	0.0	3455.175	0.0
load	N_1100080104	constant_power_B_reac	6910.35	0.0	3455.175	0.0
load	N_1100080105	constant_power_A	26760.4	8795.72	13380.2	4397.86
load	N_1100080105	constant_power_B	26760.4	8795.72	13380.2	4397.86
load	N_1100080105	constant_power_A_real	26760.4	0.0	13380.2	0.0
load	N_1100080105	constant_power_B_real	26760.4	0.0	13380.2	0.0
load	N_1100080105	constant_power_A_reac	8795.72	0.0	4397.86	0.0
load	N_1100080105	constant_power_B_reac	8795.72	0.0	4397.86	0.0
load	N_1100080450	constant_power_A	27599.0	9071.34	13799.5	4535.67
load	N_1100080450	constant_power_B	27599.0	9071.34	13799.5	4535.67
load	N_1100080450	constant_power_A_real	27599.0	0.0	13799.5	0.0
load	N_1100080450	constant_power_B_real	27599.0	0.0	13799.5	0.0
load	N_1100080450	constant_power_A_reac	9071.34	0.0	4535.67	0.0
load	N_1100080450	constant_power_B_reac	9071.34	0.0	4535.67	0.0
load	N_1100080103	constant_power_A	22561.6	7415.65	11280.8	3707.825
load	N_1100080103	constant_power_B	22561.6	7415.65	11280.8	3707.825
load	N_1100080103	constant_power_A_real	22561.6	0.0	11280.8	0.0
load	N_1100080103	constant_power_B_real	22561.6	0.0	11280.8	0.0
load	N_1100080103	constant_power_A_reac	7415.65	0.0	3707.825	0.0
load	N_1100080103	constant_power_B_reac	7415.65	0.0	3707.825	0.0
load	N_1100080452	constant_power_A	19960.9	6560.84	9980.45	3280.42
load	N_1100080452	constant_power_B	19960.9	6560.84	9980.45	3280.42
load	N_1100080452	constant_power_A_real	19960.9	0.0	9980.45	0.0
load	N_1100080452	constant_power_B_real	19960.9	0.0	9980.45	0.0
load	N_1100080452	constant_power_A_reac	6560.84	0.0	3280.42	0.0
load	N_1100080452	constant_power_B_reac	6560.84	0.0	3280.42	0.0
load	N_1100080101	constant_power_A	27167.5	8929.54	13583.75	4464.77
load	N_1100080101	constant_power_B	27167.5	8929.54	13583.75	4464.77
load	N_1100080101	constant_power_A_real	27167.5	0.0	13583.75	0.0
load	N_1100080101	constant_power_B_real	27167.5	0.0	13583.75	0.0
load	N_1100080101	constant_power_A_reac	8929.54	0.0	4464.77	0.0
load	N_1100080101	constant_power_B_reac	8929.54	0.0	4464.77	0.0
load	N_1100123643	constant_power_A	2142.94	900.075	1071.47	450.0375
load	N_1100123643	constant_power_B	2142.94	900.075	1071.47	450.0375
load	N_1100123643	constant_power_C	2142.94	900.075	1071.47	450.0375
load	N_1100123643	constant_power_A_real	2142.94	0.0	1071.47	0.0
load	N_1100123643	constant_power_B_real	2142.94	0.0	1071.47	0.0
load	N_1100123643	constant_power_C_real	2142.94	0.0	1071.47	0.0
load	N_1100123643	constant_power_A_reac	900.075	0.0	450.0375	0.0
load	N_1100123643	constant_power_B_reac	900.075	0.0	450.0375	0.0
load	N_1100123643	constant_power_C_reac	900.075	0.0	450.0375	0.0
load	N_1100123642	constant_power_A	3955.73	1385.08	1977.865	692.54
load	N_1100123642	constant_power_B	3955.73	1385.08	1977.865	692.54
load	N_1100123642	constant_power_A_real	3955.73	0.0	1977.865	0.0
load	N_1100123642	constant_power_B_real	3955.73	0.0	1977.865	0.0
load	N_1100123642	constant_power_A_reac	1385.08	0.0	692.54	0.0
load	N_1100123642	constant_power_B_reac	1385.08	0.0	692.54	0.0
load	N_1100065341	constant_power_A	11042.8	3629.6	5521.4	1814.8
load	N_1100065341	constant_power_B	11042.8	3629.6	5521.4	1814.8

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100065341	constant_power_C	11042.8	3629.6	5521.4	1814.8
load	N_1100065341	constant_power_A_real	11042.8	0.0	5521.4	0.0
load	N_1100065341	constant_power_B_real	11042.8	0.0	5521.4	0.0
load	N_1100065341	constant_power_C_real	11042.8	0.0	5521.4	0.0
load	N_1100065341	constant_power_A_reac	3629.6	0.0	1814.8	0.0
load	N_1100065341	constant_power_B_reac	3629.6	0.0	1814.8	0.0
load	N_1100065341	constant_power_C_reac	3629.6	0.0	1814.8	0.0
load	N_1100059609	constant_power_A	21939.8	7211.27	10969.9	3605.635
load	N_1100059609	constant_power_B	21939.8	7211.27	10969.9	3605.635
load	N_1100059609	constant_power_C	21939.8	7211.27	10969.9	3605.635
load	N_1100059609	constant_power_A_real	21939.8	0.0	10969.9	0.0
load	N_1100059609	constant_power_B_real	21939.8	0.0	10969.9	0.0
load	N_1100059609	constant_power_C_real	21939.8	0.0	10969.9	0.0
load	N_1100059609	constant_power_A_reac	7211.27	0.0	3605.635	0.0
load	N_1100059609	constant_power_B_reac	7211.27	0.0	3605.635	0.0
load	N_1100059609	constant_power_C_reac	7211.27	0.0	3605.635	0.0
load	N_1100065343	constant_power_A	23685.8	7785.13	11842.9	3892.565
load	N_1100065343	constant_power_B	23685.8	7785.13	11842.9	3892.565
load	N_1100065343	constant_power_A_real	23685.8	0.0	11842.9	0.0
load	N_1100065343	constant_power_B_real	23685.8	0.0	11842.9	0.0
load	N_1100065343	constant_power_A_reac	7785.13	0.0	3892.565	0.0
load	N_1100065343	constant_power_B_reac	7785.13	0.0	3892.565	0.0
load	N_1100075044	constant_power_A	7333.33	4544.79	3666.665	2272.395
load	N_1100075044	constant_power_B	7333.33	4544.79	3666.665	2272.395
load	N_1100075044	constant_power_C	7333.33	4544.79	3666.665	2272.395
load	N_1100075044	constant_power_A_real	7333.33	0.0	3666.665	0.0
load	N_1100075044	constant_power_B_real	7333.33	0.0	3666.665	0.0
load	N_1100075044	constant_power_C_real	7333.33	0.0	3666.665	0.0
load	N_1100075044	constant_power_A_reac	4544.79	0.0	2272.395	0.0
load	N_1100075044	constant_power_B_reac	4544.79	0.0	2272.395	0.0
load	N_1100075044	constant_power_C_reac	4544.79	0.0	2272.395	0.0
load	N_1100080099	constant_power_A	20732.6	6814.49	10366.3	3407.245
load	N_1100080099	constant_power_B	20732.6	6814.49	10366.3	3407.245
load	N_1100080099	constant_power_A_real	20732.6	0.0	10366.3	0.0
load	N_1100080099	constant_power_B_real	20732.6	0.0	10366.3	0.0
load	N_1100080099	constant_power_A_reac	6814.49	0.0	3407.245	0.0
load	N_1100080099	constant_power_B_reac	6814.49	0.0	3407.245	0.0
load	N_1100161781	constant_power_A	20118.9	6612.77	10059.45	3306.385
load	N_1100161781	constant_power_B	20118.9	6612.77	10059.45	3306.385
load	N_1100161781	constant_power_A_real	20118.9	0.0	10059.45	0.0
load	N_1100161781	constant_power_B_real	20118.9	0.0	10059.45	0.0
load	N_1100161781	constant_power_A_reac	6612.77	0.0	3306.385	0.0
load	N_1100161781	constant_power_B_reac	6612.77	0.0	3306.385	0.0
load	N_1100001303	constant_power_A	30388.0	9988.06	15194.0	4994.03
load	N_1100001303	constant_power_B	30388.0	9988.06	15194.0	4994.03
load	N_1100001303	constant_power_A_real	30388.0	0.0	15194.0	0.0
load	N_1100001303	constant_power_B_real	30388.0	0.0	15194.0	0.0
load	N_1100001303	constant_power_A_reac	9988.06	0.0	4994.03	0.0
load	N_1100001303	constant_power_B_reac	9988.06	0.0	4994.03	0.0
load	N_1100001302	constant_power_A	11666.7	3834.65	5833.35	1917.325
load	N_1100001302	constant_power_B	11666.7	3834.65	5833.35	1917.325
load	N_1100001302	constant_power_A_real	11666.7	0.0	5833.35	0.0
load	N_1100001302	constant_power_B_real	11666.7	0.0	5833.35	0.0
load	N_1100001302	constant_power_A_reac	3834.65	0.0	1917.325	0.0
load	N_1100001302	constant_power_B_reac	3834.65	0.0	1917.325	0.0
load	N_1100080100	constant_power_A	27027.8	8883.6	13513.9	4441.8
load	N_1100080100	constant_power_B	27027.8	8883.6	13513.9	4441.8
load	N_1100080100	constant_power_A_real	27027.8	0.0	13513.9	0.0
load	N_1100080100	constant_power_B_real	27027.8	0.0	13513.9	0.0
load	N_1100080100	constant_power_A_reac	8883.6	0.0	4441.8	0.0
load	N_1100080100	constant_power_B_reac	8883.6	0.0	4441.8	0.0
load	N_1100044781	constant_power_A	21249.1	6984.25	10624.55	3492.125
load	N_1100044781	constant_power_B	21249.1	6984.25	10624.55	3492.125

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100044781	constant_power_A_real	21249.1	0.0	10624.55	0.0
load	N_1100044781	constant_power_B_real	21249.1	0.0	10624.55	0.0
load	N_1100044781	constant_power_A_reac	6984.25	0.0	3492.125	0.0
load	N_1100044781	constant_power_B_reac	6984.25	0.0	3492.125	0.0
load	N_1100123720	constant_power_A	1729.75	568.54	864.875	284.27
load	N_1100123720	constant_power_B	1729.75	568.54	864.875	284.27
load	N_1100123720	constant_power_C	1729.75	568.54	864.875	284.27
load	N_1100123720	constant_power_A_real	1729.75	0.0	864.875	0.0
load	N_1100123720	constant_power_B_real	1729.75	0.0	864.875	0.0
load	N_1100123720	constant_power_C_real	1729.75	0.0	864.875	0.0
load	N_1100123720	constant_power_A_reac	568.54	0.0	284.27	0.0
load	N_1100123720	constant_power_B_reac	568.54	0.0	284.27	0.0
load	N_1100123720	constant_power_C_reac	568.54	0.0	284.27	0.0
load	N_1100080185	constant_power_A	18873.3	6203.34	9436.65	3101.67
load	N_1100080185	constant_power_B	18873.3	6203.34	9436.65	3101.67
load	N_1100080185	constant_power_A_real	18873.3	0.0	9436.65	0.0
load	N_1100080185	constant_power_B_real	18873.3	0.0	9436.65	0.0
load	N_1100080185	constant_power_A_reac	6203.34	0.0	3101.67	0.0
load	N_1100080185	constant_power_B_reac	6203.34	0.0	3101.67	0.0
load	N_1100123726	constant_power_A	490.162	161.108	245.081	80.554
load	N_1100123726	constant_power_B	490.162	161.108	245.081	80.554
load	N_1100123726	constant_power_C	490.162	161.108	245.081	80.554
load	N_1100123726	constant_power_A_real	490.162	0.0	245.081	0.0
load	N_1100123726	constant_power_B_real	490.162	0.0	245.081	0.0
load	N_1100123726	constant_power_C_real	490.162	0.0	245.081	0.0
load	N_1100123726	constant_power_A_reac	161.108	0.0	80.554	0.0
load	N_1100123726	constant_power_B_reac	161.108	0.0	80.554	0.0
load	N_1100123726	constant_power_C_reac	161.108	0.0	80.554	0.0
load	N_1100044786	constant_power_A	19736.1	6486.95	9868.05	3243.475
load	N_1100044786	constant_power_B	19736.1	6486.95	9868.05	3243.475
load	N_1100044786	constant_power_A_real	19736.1	0.0	9868.05	0.0
load	N_1100044786	constant_power_B_real	19736.1	0.0	9868.05	0.0
load	N_1100044786	constant_power_A_reac	6486.95	0.0	3243.475	0.0
load	N_1100044786	constant_power_B_reac	6486.95	0.0	3243.475	0.0
load	N_1100015963	constant_power_A	23570.3	7747.19	11785.15	3873.595
load	N_1100015963	constant_power_B	23570.3	7747.19	11785.15	3873.595
load	N_1100015963	constant_power_A_real	23570.3	0.0	11785.15	0.0
load	N_1100015963	constant_power_B_real	23570.3	0.0	11785.15	0.0
load	N_1100015963	constant_power_A_reac	7747.19	0.0	3873.595	0.0
load	N_1100015963	constant_power_B_reac	7747.19	0.0	3873.595	0.0
load	N_1100040449	constant_power_A	25605.9	8416.25	12802.95	4208.125
load	N_1100040449	constant_power_B	25605.9	8416.25	12802.95	4208.125
load	N_1100040449	constant_power_A_real	25605.9	0.0	12802.95	0.0
load	N_1100040449	constant_power_B_real	25605.9	0.0	12802.95	0.0
load	N_1100040449	constant_power_A_reac	8416.25	0.0	4208.125	0.0
load	N_1100040449	constant_power_B_reac	8416.25	0.0	4208.125	0.0
load	N_1100001229	constant_power_A	6647.57	2184.95	3323.785	1092.475
load	N_1100001229	constant_power_B	6647.57	2184.95	3323.785	1092.475
load	N_1100001229	constant_power_A_real	6647.57	0.0	3323.785	0.0
load	N_1100001229	constant_power_B_real	6647.57	0.0	3323.785	0.0
load	N_1100001229	constant_power_A_reac	2184.95	0.0	1092.475	0.0
load	N_1100001229	constant_power_B_reac	2184.95	0.0	1092.475	0.0
load	N_1100006167	constant_power_A	3159.72	1038.55	1579.86	519.275
load	N_1100006167	constant_power_B	3159.72	1038.55	1579.86	519.275
load	N_1100006167	constant_power_C	3159.72	1038.55	1579.86	519.275
load	N_1100006167	constant_power_A_real	3159.72	0.0	1579.86	0.0
load	N_1100006167	constant_power_B_real	3159.72	0.0	1579.86	0.0
load	N_1100006167	constant_power_C_real	3159.72	0.0	1579.86	0.0
load	N_1100006167	constant_power_A_reac	1038.55	0.0	519.275	0.0
load	N_1100006167	constant_power_B_reac	1038.55	0.0	519.275	0.0
load	N_1100006167	constant_power_C_reac	1038.55	0.0	519.275	0.0
load	N_1100040447	constant_power_A	42000.0	13804.7	21000.0	6902.35
load	N_1100040447	constant_power_B	42000.0	13804.7	21000.0	6902.35

Table 7: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100040447	constant_power_A_real	42000.0	0.0	21000.0	0.0
load	N_1100040447	constant_power_B_real	42000.0	0.0	21000.0	0.0
load	N_1100040447	constant_power_A_reac	13804.7	0.0	6902.35	0.0
load	N_1100040447	constant_power_B_reac	13804.7	0.0	6902.35	0.0
load	N_1100042944	constant_power_A	19006.9	6247.28	9503.45	3123.64
load	N_1100042944	constant_power_B	19006.9	6247.28	9503.45	3123.64
load	N_1100042944	constant_power_A_real	19006.9	0.0	9503.45	0.0
load	N_1100042944	constant_power_B_real	19006.9	0.0	9503.45	0.0
load	N_1100042944	constant_power_A_reac	6247.28	0.0	3123.64	0.0
load	N_1100042944	constant_power_B_reac	6247.28	0.0	3123.64	0.0
load	N_1100042945	constant_power_A	41009.5	13479.2	20504.75	6739.6
load	N_1100042945	constant_power_B	41009.5	13479.2	20504.75	6739.6
load	N_1100042945	constant_power_A_real	41009.5	0.0	20504.75	0.0
load	N_1100042945	constant_power_B_real	41009.5	0.0	20504.75	0.0
load	N_1100042945	constant_power_A_reac	13479.2	0.0	6739.6	0.0
load	N_1100042945	constant_power_B_reac	13479.2	0.0	6739.6	0.0
load	N_1100042946	constant_power_A	18504.6	6082.18	9252.3	3041.09
load	N_1100042946	constant_power_B	18504.6	6082.18	9252.3	3041.09
load	N_1100042946	constant_power_C	18504.6	6082.18	9252.3	3041.09
load	N_1100042946	constant_power_A_real	18504.6	0.0	9252.3	0.0
load	N_1100042946	constant_power_B_real	18504.6	0.0	9252.3	0.0
load	N_1100042946	constant_power_C_real	18504.6	0.0	9252.3	0.0
load	N_1100042946	constant_power_A_reac	6082.18	0.0	3041.09	0.0
load	N_1100042946	constant_power_B_reac	6082.18	0.0	3041.09	0.0
load	N_1100042946	constant_power_C_reac	6082.18	0.0	3041.09	0.0
load	N_1100001237	constant_power_A	19225.7	6319.18	9612.85	3159.59
load	N_1100001237	constant_power_B	19225.7	6319.18	9612.85	3159.59
load	N_1100001237	constant_power_A_real	19225.7	0.0	9612.85	0.0
load	N_1100001237	constant_power_B_real	19225.7	0.0	9612.85	0.0
load	N_1100001237	constant_power_A_reac	6319.18	0.0	3159.59	0.0
load	N_1100001237	constant_power_B_reac	6319.18	0.0	3159.59	0.0
load	N_1100042942	constant_power_A	14613.7	4803.3	7306.85	2401.65
load	N_1100042942	constant_power_B	14613.7	4803.3	7306.85	2401.65
load	N_1100042942	constant_power_A_real	14613.7	0.0	7306.85	0.0
load	N_1100042942	constant_power_B_real	14613.7	0.0	7306.85	0.0
load	N_1100042942	constant_power_A_reac	4803.3	0.0	2401.65	0.0
load	N_1100042942	constant_power_B_reac	4803.3	0.0	2401.65	0.0
load	N_1100040451	constant_power_A	33517.4	11016.6	16758.7	5508.3
load	N_1100040451	constant_power_B	33517.4	11016.6	16758.7	5508.3
load	N_1100040451	constant_power_A_real	33517.4	0.0	16758.7	0.0
load	N_1100040451	constant_power_B_real	33517.4	0.0	16758.7	0.0
load	N_1100040451	constant_power_A_reac	11016.6	0.0	5508.3	0.0
load	N_1100040451	constant_power_B_reac	11016.6	0.0	5508.3	0.0
load	N_1100006788	constant_power_A	2515.62	1026.11	1257.81	513.055
load	N_1100006788	constant_power_B	2515.62	1026.11	1257.81	513.055
load	N_1100006788	constant_power_C	2515.62	1026.11	1257.81	513.055
load	N_1100006788	constant_power_A_real	2515.62	0.0	1257.81	0.0
load	N_1100006788	constant_power_B_real	2515.62	0.0	1257.81	0.0
load	N_1100006788	constant_power_C_real	2515.62	0.0	1257.81	0.0
load	N_1100006788	constant_power_A_reac	1026.11	0.0	513.055	0.0
load	N_1100006788	constant_power_B_reac	1026.11	0.0	513.055	0.0
load	N_1100006788	constant_power_C_reac	1026.11	0.0	513.055	0.0

Table 8: Validation data for loadfactor PG&E BR0015 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1600018256	constant_power_A	10000.0	6197.44	5000.0	3098.72
load	N_1600018256	constant_power_B	10000.0	6197.44	5000.0	3098.72
load	N_1600018256	constant_power_C	10000.0	6197.44	5000.0	3098.72
load	N_1600018256	constant_power_A_real	10000.0	0.0	5000.0	0.0
load	N_1600018256	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	N_1600018256	constant_power_C_real	10000.0	0.0	5000.0	0.0

Table 8: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1600018256	constant_power_A_reac	6197.44	0.0	3098.72	0.0
load	N_1600018256	constant_power_B_reac	6197.44	0.0	3098.72	0.0
load	N_1600018256	constant_power_C_reac	6197.44	0.0	3098.72	0.0
load	N_1600034578	constant_power_A	94333.3	58462.5	47166.65	29231.25
load	N_1600034578	constant_power_B	94333.3	58462.5	47166.65	29231.25
load	N_1600034578	constant_power_C	94333.3	58462.5	47166.65	29231.25
load	N_1600034578	constant_power_A_real	94333.3	0.0	47166.65	0.0
load	N_1600034578	constant_power_B_real	94333.3	0.0	47166.65	0.0
load	N_1600034578	constant_power_C_real	94333.3	0.0	47166.65	0.0
load	N_1600034578	constant_power_A_reac	58462.5	0.0	29231.25	0.0
load	N_1600034578	constant_power_B_reac	58462.5	0.0	29231.25	0.0
load	N_1600034578	constant_power_C_reac	58462.5	0.0	29231.25	0.0
load	N_1600011035	constant_power_A	134333.0	28249.8	67166.5	14124.9
load	N_1600011035	constant_power_B	134333.0	28249.8	67166.5	14124.9
load	N_1600011035	constant_power_C	134333.0	28249.8	67166.5	14124.9
load	N_1600011035	constant_power_A_real	134333.0	0.0	67166.5	0.0
load	N_1600011035	constant_power_B_real	134333.0	0.0	67166.5	0.0
load	N_1600011035	constant_power_C_real	134333.0	0.0	67166.5	0.0
load	N_1600011035	constant_power_A_reac	28249.8	0.0	14124.9	0.0
load	N_1600011035	constant_power_B_reac	28249.8	0.0	14124.9	0.0
load	N_1600011035	constant_power_C_reac	28249.8	0.0	14124.9	0.0
load	N_1600011059	constant_power_A	54333.3	33672.8	27166.65	16836.4
load	N_1600011059	constant_power_B	54333.3	33672.8	27166.65	16836.4
load	N_1600011059	constant_power_C	54333.3	33672.8	27166.65	16836.4
load	N_1600011059	constant_power_A_real	54333.3	0.0	27166.65	0.0
load	N_1600011059	constant_power_B_real	54333.3	0.0	27166.65	0.0
load	N_1600011059	constant_power_C_real	54333.3	0.0	27166.65	0.0
load	N_1600011059	constant_power_A_reac	33672.8	0.0	16836.4	0.0
load	N_1600011059	constant_power_B_reac	33672.8	0.0	16836.4	0.0
load	N_1600011059	constant_power_C_reac	33672.8	0.0	16836.4	0.0
load	N_1600025799	constant_power_A	40666.7	25202.9	20333.35	12601.45
load	N_1600025799	constant_power_B	40666.7	25202.9	20333.35	12601.45
load	N_1600025799	constant_power_C	40666.7	25202.9	20333.35	12601.45
load	N_1600025799	constant_power_A_real	40666.7	0.0	20333.35	0.0
load	N_1600025799	constant_power_B_real	40666.7	0.0	20333.35	0.0
load	N_1600025799	constant_power_C_real	40666.7	0.0	20333.35	0.0
load	N_1600025799	constant_power_A_reac	25202.9	0.0	12601.45	0.0
load	N_1600025799	constant_power_B_reac	25202.9	0.0	12601.45	0.0
load	N_1600025799	constant_power_C_reac	25202.9	0.0	12601.45	0.0
load	N_1600021837	constant_power_A	183000.0	113413.0	91500.0	56706.5
load	N_1600021837	constant_power_B	183000.0	113413.0	91500.0	56706.5
load	N_1600021837	constant_power_C	183000.0	113413.0	91500.0	56706.5
load	N_1600021837	constant_power_A_real	183000.0	0.0	91500.0	0.0
load	N_1600021837	constant_power_B_real	183000.0	0.0	91500.0	0.0
load	N_1600021837	constant_power_C_real	183000.0	0.0	91500.0	0.0
load	N_1600021837	constant_power_A_reac	113413.0	0.0	56706.5	0.0
load	N_1600021837	constant_power_B_reac	113413.0	0.0	56706.5	0.0
load	N_1600021837	constant_power_C_reac	113413.0	0.0	56706.5	0.0
load	N_1600032911	constant_power_A	88000.0	54537.5	44000.0	27268.75
load	N_1600032911	constant_power_B	88000.0	54537.5	44000.0	27268.75
load	N_1600032911	constant_power_C	88000.0	54537.5	44000.0	27268.75
load	N_1600032911	constant_power_A_real	88000.0	0.0	44000.0	0.0
load	N_1600032911	constant_power_B_real	88000.0	0.0	44000.0	0.0
load	N_1600032911	constant_power_C_real	88000.0	0.0	44000.0	0.0
load	N_1600032911	constant_power_A_reac	54537.5	0.0	27268.75	0.0
load	N_1600032911	constant_power_B_reac	54537.5	0.0	27268.75	0.0
load	N_1600032911	constant_power_C_reac	54537.5	0.0	27268.75	0.0
load	N_1600033092	constant_power_A	479667.0	297271.0	239833.5	148635.5
load	N_1600033092	constant_power_B	479667.0	297271.0	239833.5	148635.5
load	N_1600033092	constant_power_C	479667.0	297271.0	239833.5	148635.5
load	N_1600033092	constant_power_A_real	479667.0	0.0	239833.5	0.0
load	N_1600033092	constant_power_B_real	479667.0	0.0	239833.5	0.0
load	N_1600033092	constant_power_C_real	479667.0	0.0	239833.5	0.0

Table 8: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1600033092	constant_power_A_reac	297271.0	0.0	148635.5	0.0
load	N_1600033092	constant_power_B_reac	297271.0	0.0	148635.5	0.0
load	N_1600033092	constant_power_C_reac	297271.0	0.0	148635.5	0.0
load	N_1600021838	constant_power_A	12000.0	7436.93	6000.0	3718.465
load	N_1600021838	constant_power_B	12000.0	7436.93	6000.0	3718.465
load	N_1600021838	constant_power_C	12000.0	7436.93	6000.0	3718.465
load	N_1600021838	constant_power_A_real	12000.0	0.0	6000.0	0.0
load	N_1600021838	constant_power_B_real	12000.0	0.0	6000.0	0.0
load	N_1600021838	constant_power_C_real	12000.0	0.0	6000.0	0.0
load	N_1600021838	constant_power_A_reac	7436.93	0.0	3718.465	0.0
load	N_1600021838	constant_power_B_reac	7436.93	0.0	3718.465	0.0
load	N_1600021838	constant_power_C_reac	7436.93	0.0	3718.465	0.0
load	N_1600057281	constant_power_A	6333.33	3925.05	3166.665	1962.525
load	N_1600057281	constant_power_B	6333.33	3925.05	3166.665	1962.525
load	N_1600057281	constant_power_C	6333.33	3925.05	3166.665	1962.525
load	N_1600057281	constant_power_A_real	6333.33	0.0	3166.665	0.0
load	N_1600057281	constant_power_B_real	6333.33	0.0	3166.665	0.0
load	N_1600057281	constant_power_C_real	6333.33	0.0	3166.665	0.0
load	N_1600057281	constant_power_A_reac	3925.05	0.0	1962.525	0.0
load	N_1600057281	constant_power_B_reac	3925.05	0.0	1962.525	0.0
load	N_1600057281	constant_power_C_reac	3925.05	0.0	1962.525	0.0
load	N_1600057565	constant_power_A	21666.7	13427.8	10833.35	6713.9
load	N_1600057565	constant_power_B	21666.7	13427.8	10833.35	6713.9
load	N_1600057565	constant_power_C	21666.7	13427.8	10833.35	6713.9
load	N_1600057565	constant_power_A_real	21666.7	0.0	10833.35	0.0
load	N_1600057565	constant_power_B_real	21666.7	0.0	10833.35	0.0
load	N_1600057565	constant_power_C_real	21666.7	0.0	10833.35	0.0
load	N_1600057565	constant_power_A_reac	13427.8	0.0	6713.9	0.0
load	N_1600057565	constant_power_B_reac	13427.8	0.0	6713.9	0.0
load	N_1600057565	constant_power_C_reac	13427.8	0.0	6713.9	0.0
load	N_1600040402	constant_power_A	169667.0	105150.0	84833.5	52575.0
load	N_1600040402	constant_power_B	169667.0	105150.0	84833.5	52575.0
load	N_1600040402	constant_power_C	169667.0	105150.0	84833.5	52575.0
load	N_1600040402	constant_power_A_real	169667.0	0.0	84833.5	0.0
load	N_1600040402	constant_power_B_real	169667.0	0.0	84833.5	0.0
load	N_1600040402	constant_power_C_real	169667.0	0.0	84833.5	0.0
load	N_1600040402	constant_power_A_reac	105150.0	0.0	52575.0	0.0
load	N_1600040402	constant_power_B_reac	105150.0	0.0	52575.0	0.0
load	N_1600040402	constant_power_C_reac	105150.0	0.0	52575.0	0.0
load	N_1600124503	constant_power_A	9666.67	5990.86	4833.335	2995.43
load	N_1600124503	constant_power_B	9666.67	5990.86	4833.335	2995.43
load	N_1600124503	constant_power_C	9666.67	5990.86	4833.335	2995.43
load	N_1600124503	constant_power_A_real	9666.67	0.0	4833.335	0.0
load	N_1600124503	constant_power_B_real	9666.67	0.0	4833.335	0.0
load	N_1600124503	constant_power_C_real	9666.67	0.0	4833.335	0.0
load	N_1600124503	constant_power_A_reac	5990.86	0.0	2995.43	0.0
load	N_1600124503	constant_power_B_reac	5990.86	0.0	2995.43	0.0
load	N_1600124503	constant_power_C_reac	5990.86	0.0	2995.43	0.0
load	N_1600057265	constant_power_A	420333.0	260499.0	210166.5	130249.5
load	N_1600057265	constant_power_B	420333.0	260499.0	210166.5	130249.5
load	N_1600057265	constant_power_C	420333.0	260499.0	210166.5	130249.5
load	N_1600057265	constant_power_A_real	420333.0	0.0	210166.5	0.0
load	N_1600057265	constant_power_B_real	420333.0	0.0	210166.5	0.0
load	N_1600057265	constant_power_C_real	420333.0	0.0	210166.5	0.0
load	N_1600057265	constant_power_A_reac	260499.0	0.0	130249.5	0.0
load	N_1600057265	constant_power_B_reac	260499.0	0.0	130249.5	0.0
load	N_1600057265	constant_power_C_reac	260499.0	0.0	130249.5	0.0
load	N_1600062602	constant_power_A	231667.0	143574.0	115833.5	71787.0
load	N_1600062602	constant_power_B	231667.0	143574.0	115833.5	71787.0
load	N_1600062602	constant_power_C	231667.0	143574.0	115833.5	71787.0
load	N_1600062602	constant_power_A_real	231667.0	0.0	115833.5	0.0
load	N_1600062602	constant_power_B_real	231667.0	0.0	115833.5	0.0
load	N_1600062602	constant_power_C_real	231667.0	0.0	115833.5	0.0

Table 8: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1600062602	constant_power_A_reac	143574.0	0.0	71787.0	0.0
load	N_1600062602	constant_power_B_reac	143574.0	0.0	71787.0	0.0
load	N_1600062602	constant_power_C_reac	143574.0	0.0	71787.0	0.0
load	N_1600011066	constant_power_A	64333.3	39870.2	32166.65	19935.1
load	N_1600011066	constant_power_B	64333.3	39870.2	32166.65	19935.1
load	N_1600011066	constant_power_C	64333.3	39870.2	32166.65	19935.1
load	N_1600011066	constant_power_A_real	64333.3	0.0	32166.65	0.0
load	N_1600011066	constant_power_B_real	64333.3	0.0	32166.65	0.0
load	N_1600011066	constant_power_C_real	64333.3	0.0	32166.65	0.0
load	N_1600011066	constant_power_A_reac	39870.2	0.0	19935.1	0.0
load	N_1600011066	constant_power_B_reac	39870.2	0.0	19935.1	0.0
load	N_1600011066	constant_power_C_reac	39870.2	0.0	19935.1	0.0
load	N_1600011044	constant_power_A	29000.0	17972.6	14500.0	8986.3
load	N_1600011044	constant_power_B	29000.0	17972.6	14500.0	8986.3
load	N_1600011044	constant_power_C	29000.0	17972.6	14500.0	8986.3
load	N_1600011044	constant_power_A_real	29000.0	0.0	14500.0	0.0
load	N_1600011044	constant_power_B_real	29000.0	0.0	14500.0	0.0
load	N_1600011044	constant_power_C_real	29000.0	0.0	14500.0	0.0
load	N_1600011044	constant_power_A_reac	17972.6	0.0	8986.3	0.0
load	N_1600011044	constant_power_B_reac	17972.6	0.0	8986.3	0.0
load	N_1600011044	constant_power_C_reac	17972.6	0.0	8986.3	0.0
load	N_1600032909	constant_power_A	89666.7	55570.4	44833.35	27785.2
load	N_1600032909	constant_power_B	89666.7	55570.4	44833.35	27785.2
load	N_1600032909	constant_power_C	89666.7	55570.4	44833.35	27785.2
load	N_1600032909	constant_power_A_real	89666.7	0.0	44833.35	0.0
load	N_1600032909	constant_power_B_real	89666.7	0.0	44833.35	0.0
load	N_1600032909	constant_power_C_real	89666.7	0.0	44833.35	0.0
load	N_1600032909	constant_power_A_reac	55570.4	0.0	27785.2	0.0
load	N_1600032909	constant_power_B_reac	55570.4	0.0	27785.2	0.0
load	N_1600032909	constant_power_C_reac	55570.4	0.0	27785.2	0.0
load	N_1600126323	constant_power_A	15333.3	9502.75	7666.65	4751.375
load	N_1600126323	constant_power_B	15333.3	9502.75	7666.65	4751.375
load	N_1600126323	constant_power_C	15333.3	9502.75	7666.65	4751.375
load	N_1600126323	constant_power_A_real	15333.3	0.0	7666.65	0.0
load	N_1600126323	constant_power_B_real	15333.3	0.0	7666.65	0.0
load	N_1600126323	constant_power_C_real	15333.3	0.0	7666.65	0.0
load	N_1600126323	constant_power_A_reac	9502.75	0.0	4751.375	0.0
load	N_1600126323	constant_power_B_reac	9502.75	0.0	4751.375	0.0
load	N_1600126323	constant_power_C_reac	9502.75	0.0	4751.375	0.0
load	N_1600002962	constant_power_A	491667.0	304708.0	245833.5	152354.0
load	N_1600002962	constant_power_B	491667.0	304708.0	245833.5	152354.0
load	N_1600002962	constant_power_C	491667.0	304708.0	245833.5	152354.0
load	N_1600002962	constant_power_A_real	491667.0	0.0	245833.5	0.0
load	N_1600002962	constant_power_B_real	491667.0	0.0	245833.5	0.0
load	N_1600002962	constant_power_C_real	491667.0	0.0	245833.5	0.0
load	N_1600002962	constant_power_A_reac	304708.0	0.0	152354.0	0.0
load	N_1600002962	constant_power_B_reac	304708.0	0.0	152354.0	0.0
load	N_1600002962	constant_power_C_reac	304708.0	0.0	152354.0	0.0
load	N_1600018142	constant_power_A	188667.0	121613.0	94333.5	60806.5
load	N_1600018142	constant_power_B	188667.0	121613.0	94333.5	60806.5
load	N_1600018142	constant_power_C	188667.0	121613.0	94333.5	60806.5
load	N_1600018142	constant_power_A_real	188667.0	0.0	94333.5	0.0
load	N_1600018142	constant_power_B_real	188667.0	0.0	94333.5	0.0
load	N_1600018142	constant_power_C_real	188667.0	0.0	94333.5	0.0
load	N_1600018142	constant_power_A_reac	121613.0	0.0	60806.5	0.0
load	N_1600018142	constant_power_B_reac	121613.0	0.0	60806.5	0.0
load	N_1600018142	constant_power_C_reac	121613.0	0.0	60806.5	0.0
load	N_1600018257	constant_power_A	30333.3	17957.1	15166.65	8978.55
load	N_1600018257	constant_power_B	30333.3	17957.1	15166.65	8978.55
load	N_1600018257	constant_power_C	30333.3	17957.1	15166.65	8978.55
load	N_1600018257	constant_power_A_real	30333.3	0.0	15166.65	0.0
load	N_1600018257	constant_power_B_real	30333.3	0.0	15166.65	0.0
load	N_1600018257	constant_power_C_real	30333.3	0.0	15166.65	0.0

Table 8: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1600018257	constant_power_A_reac	17957.1	0.0	8978.55	0.0
load	N_1600018257	constant_power_B_reac	17957.1	0.0	8978.55	0.0
load	N_1600018257	constant_power_C_reac	17957.1	0.0	8978.55	0.0
load	N_1600022130	constant_power_A	27333.3	16939.7	13666.65	8469.85
load	N_1600022130	constant_power_B	27333.3	16939.7	13666.65	8469.85
load	N_1600022130	constant_power_C	27333.3	16939.7	13666.65	8469.85
load	N_1600022130	constant_power_A_real	27333.3	0.0	13666.65	0.0
load	N_1600022130	constant_power_B_real	27333.3	0.0	13666.65	0.0
load	N_1600022130	constant_power_C_real	27333.3	0.0	13666.65	0.0
load	N_1600022130	constant_power_A_reac	16939.7	0.0	8469.85	0.0
load	N_1600022130	constant_power_B_reac	16939.7	0.0	8469.85	0.0
load	N_1600022130	constant_power_C_reac	16939.7	0.0	8469.85	0.0
load	N_1600057581	constant_power_A	35666.7	22104.2	17833.35	11052.1
load	N_1600057581	constant_power_B	35666.7	22104.2	17833.35	11052.1
load	N_1600057581	constant_power_C	35666.7	22104.2	17833.35	11052.1
load	N_1600057581	constant_power_A_real	35666.7	0.0	17833.35	0.0
load	N_1600057581	constant_power_B_real	35666.7	0.0	17833.35	0.0
load	N_1600057581	constant_power_C_real	35666.7	0.0	17833.35	0.0
load	N_1600057581	constant_power_A_reac	22104.2	0.0	11052.1	0.0
load	N_1600057581	constant_power_B_reac	22104.2	0.0	11052.1	0.0
load	N_1600057581	constant_power_C_reac	22104.2	0.0	11052.1	0.0
load	N_1600124511	constant_power_A	6000.0	3718.47	3000.0	1859.235
load	N_1600124511	constant_power_B	6000.0	3718.47	3000.0	1859.235
load	N_1600124511	constant_power_C	6000.0	3718.47	3000.0	1859.235
load	N_1600124511	constant_power_A_real	6000.0	0.0	3000.0	0.0
load	N_1600124511	constant_power_B_real	6000.0	0.0	3000.0	0.0
load	N_1600124511	constant_power_C_real	6000.0	0.0	3000.0	0.0
load	N_1600124511	constant_power_A_reac	3718.47	0.0	1859.235	0.0
load	N_1600124511	constant_power_B_reac	3718.47	0.0	1859.235	0.0
load	N_1600124511	constant_power_C_reac	3718.47	0.0	1859.235	0.0
load	N_1600124516	constant_power_A	5000.0	3098.72	2500.0	1549.36
load	N_1600124516	constant_power_B	5000.0	3098.72	2500.0	1549.36
load	N_1600124516	constant_power_C	5000.0	3098.72	2500.0	1549.36
load	N_1600124516	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	N_1600124516	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	N_1600124516	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	N_1600124516	constant_power_A_reac	3098.72	0.0	1549.36	0.0
load	N_1600124516	constant_power_B_reac	3098.72	0.0	1549.36	0.0
load	N_1600124516	constant_power_C_reac	3098.72	0.0	1549.36	0.0

Table 9: Validation data for loadfactor PG&E BU0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_800003816	constant_power_A	8048.07	2645.27	4024.035	1322.635
load	N_800003816	constant_power_B	8048.07	2645.27	4024.035	1322.635
load	N_800003816	constant_power_C	8048.07	2645.27	4024.035	1322.635
load	N_800003816	constant_power_A_real	8048.07	0.0	4024.035	0.0
load	N_800003816	constant_power_B_real	8048.07	0.0	4024.035	0.0
load	N_800003816	constant_power_C_real	8048.07	0.0	4024.035	0.0
load	N_800003816	constant_power_A_reac	2645.27	0.0	1322.635	0.0
load	N_800003816	constant_power_B_reac	2645.27	0.0	1322.635	0.0
load	N_800003816	constant_power_C_reac	2645.27	0.0	1322.635	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300027581	constant_power_A	75.318	46.6779	37.659	23.33895
load	N_300027581	constant_power_B	75.318	46.6779	37.659	23.33895
load	N_300027581	constant_power_C	75.318	46.6779	37.659	23.33895
load	N_300027581	constant_power_A_real	75.318	0.0	37.659	0.0
load	N_300027581	constant_power_B_real	75.318	0.0	37.659	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300027581	constant_power_C_real	75.318	0.0	37.659	0.0
load	N_300027581	constant_power_A_reac	46.6779	0.0	23.33895	0.0
load	N_300027581	constant_power_B_reac	46.6779	0.0	23.33895	0.0
load	N_300027581	constant_power_C_reac	46.6779	0.0	23.33895	0.0
load	N_300229409	constant_power_A	33123.7	19916.0	16561.85	9958.0
load	N_300229409	constant_power_B	33123.7	19916.0	16561.85	9958.0
load	N_300229409	constant_power_C	33123.7	19916.0	16561.85	9958.0
load	N_300229409	constant_power_A_real	33123.7	0.0	16561.85	0.0
load	N_300229409	constant_power_B_real	33123.7	0.0	16561.85	0.0
load	N_300229409	constant_power_C_real	33123.7	0.0	16561.85	0.0
load	N_300229409	constant_power_A_reac	19916.0	0.0	9958.0	0.0
load	N_300229409	constant_power_B_reac	19916.0	0.0	9958.0	0.0
load	N_300229409	constant_power_C_reac	19916.0	0.0	9958.0	0.0
load	N_300008851	constant_power_A	5586.19	3462.01	2793.095	1731.005
load	N_300008851	constant_power_B	5586.19	3462.01	2793.095	1731.005
load	N_300008851	constant_power_C	5586.19	3462.01	2793.095	1731.005
load	N_300008851	constant_power_A_real	5586.19	0.0	2793.095	0.0
load	N_300008851	constant_power_B_real	5586.19	0.0	2793.095	0.0
load	N_300008851	constant_power_C_real	5586.19	0.0	2793.095	0.0
load	N_300008851	constant_power_A_reac	3462.01	0.0	1731.005	0.0
load	N_300008851	constant_power_B_reac	3462.01	0.0	1731.005	0.0
load	N_300008851	constant_power_C_reac	3462.01	0.0	1731.005	0.0
load	N_300008852	constant_power_A	108667.0	67345.6	54333.5	33672.8
load	N_300008852	constant_power_B	108667.0	67345.6	54333.5	33672.8
load	N_300008852	constant_power_C	108667.0	67345.6	54333.5	33672.8
load	N_300008852	constant_power_A_real	108667.0	0.0	54333.5	0.0
load	N_300008852	constant_power_B_real	108667.0	0.0	54333.5	0.0
load	N_300008852	constant_power_C_real	108667.0	0.0	54333.5	0.0
load	N_300008852	constant_power_A_reac	67345.6	0.0	33672.8	0.0
load	N_300008852	constant_power_B_reac	67345.6	0.0	33672.8	0.0
load	N_300008852	constant_power_C_reac	67345.6	0.0	33672.8	0.0
load	N_300008853	constant_power_A	75117.8	46553.8	37558.9	23276.9
load	N_300008853	constant_power_B	75117.8	46553.8	37558.9	23276.9
load	N_300008853	constant_power_C	75117.8	46553.8	37558.9	23276.9
load	N_300008853	constant_power_A_real	75117.8	0.0	37558.9	0.0
load	N_300008853	constant_power_B_real	75117.8	0.0	37558.9	0.0
load	N_300008853	constant_power_C_real	75117.8	0.0	37558.9	0.0
load	N_300008853	constant_power_A_reac	46553.8	0.0	23276.9	0.0
load	N_300008853	constant_power_B_reac	46553.8	0.0	23276.9	0.0
load	N_300008853	constant_power_C_reac	46553.8	0.0	23276.9	0.0
load	N_300014408	constant_power_A	30896.5	10155.2	15448.25	5077.6
load	N_300014408	constant_power_B	30896.5	10155.2	15448.25	5077.6
load	N_300014408	constant_power_C	30896.5	10155.2	15448.25	5077.6
load	N_300014408	constant_power_A_real	30896.5	0.0	15448.25	0.0
load	N_300014408	constant_power_B_real	30896.5	0.0	15448.25	0.0
load	N_300014408	constant_power_C_real	30896.5	0.0	15448.25	0.0
load	N_300014408	constant_power_A_reac	10155.2	0.0	5077.6	0.0
load	N_300014408	constant_power_B_reac	10155.2	0.0	5077.6	0.0
load	N_300014408	constant_power_C_reac	10155.2	0.0	5077.6	0.0
load	N_300084900	constant_power_A	7434.95	2443.75	3717.475	1221.875
load	N_300084900	constant_power_B	7434.95	2443.75	3717.475	1221.875
load	N_300084900	constant_power_C	7434.95	2443.75	3717.475	1221.875
load	N_300084900	constant_power_A_real	7434.95	0.0	3717.475	0.0
load	N_300084900	constant_power_B_real	7434.95	0.0	3717.475	0.0
load	N_300084900	constant_power_C_real	7434.95	0.0	3717.475	0.0
load	N_300084900	constant_power_A_reac	2443.75	0.0	1221.875	0.0
load	N_300084900	constant_power_B_reac	2443.75	0.0	1221.875	0.0
load	N_300084900	constant_power_C_reac	2443.75	0.0	1221.875	0.0
load	N_300084901	constant_power_A	10619.8	3490.57	5309.9	1745.285
load	N_300084901	constant_power_B	10619.8	3490.57	5309.9	1745.285
load	N_300084901	constant_power_C	10619.8	3490.57	5309.9	1745.285
load	N_300084901	constant_power_A_real	10619.8	0.0	5309.9	0.0
load	N_300084901	constant_power_B_real	10619.8	0.0	5309.9	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084901	constant_power_C_real	10619.8	0.0	5309.9	0.0
load	N_300084901	constant_power_A_reac	3490.57	0.0	1745.285	0.0
load	N_300084901	constant_power_B_reac	3490.57	0.0	1745.285	0.0
load	N_300084901	constant_power_C_reac	3490.57	0.0	1745.285	0.0
load	N_300084906	constant_power_A	12233.8	4021.05	6116.9	2010.525
load	N_300084906	constant_power_B	12233.8	4021.05	6116.9	2010.525
load	N_300084906	constant_power_A_real	12233.8	0.0	6116.9	0.0
load	N_300084906	constant_power_B_real	12233.8	0.0	6116.9	0.0
load	N_300084906	constant_power_A_reac	4021.05	0.0	2010.525	0.0
load	N_300084906	constant_power_B_reac	4021.05	0.0	2010.525	0.0
load	N_300084907	constant_power_A	1710.79	562.31	855.395	281.155
load	N_300084907	constant_power_B	1710.79	562.31	855.395	281.155
load	N_300084907	constant_power_A_real	1710.79	0.0	855.395	0.0
load	N_300084907	constant_power_B_real	1710.79	0.0	855.395	0.0
load	N_300084907	constant_power_A_reac	562.31	0.0	281.155	0.0
load	N_300084907	constant_power_B_reac	562.31	0.0	281.155	0.0
load	N_300084905	constant_power_A	8303.8	2729.33	4151.9	1364.665
load	N_300084905	constant_power_B	8303.8	2729.33	4151.9	1364.665
load	N_300084905	constant_power_A_real	8303.8	0.0	4151.9	0.0
load	N_300084905	constant_power_B_real	8303.8	0.0	4151.9	0.0
load	N_300084905	constant_power_A_reac	2729.33	0.0	1364.665	0.0
load	N_300084905	constant_power_B_reac	2729.33	0.0	1364.665	0.0
load	N_300084674	constant_power_A	10356.2	3511.97	5178.1	1755.985
load	N_300084674	constant_power_B	10356.2	3511.97	5178.1	1755.985
load	N_300084674	constant_power_C	10356.2	3511.97	5178.1	1755.985
load	N_300084674	constant_power_A_real	10356.2	0.0	5178.1	0.0
load	N_300084674	constant_power_B_real	10356.2	0.0	5178.1	0.0
load	N_300084674	constant_power_C_real	10356.2	0.0	5178.1	0.0
load	N_300084674	constant_power_A_reac	3511.97	0.0	1755.985	0.0
load	N_300084674	constant_power_B_reac	3511.97	0.0	1755.985	0.0
load	N_300084674	constant_power_C_reac	3511.97	0.0	1755.985	0.0
load	N_300084676	constant_power_A	15101.2	4963.54	7550.6	2481.77
load	N_300084676	constant_power_B	15101.2	4963.54	7550.6	2481.77
load	N_300084676	constant_power_C	15101.2	4963.54	7550.6	2481.77
load	N_300084676	constant_power_A_real	15101.2	0.0	7550.6	0.0
load	N_300084676	constant_power_B_real	15101.2	0.0	7550.6	0.0
load	N_300084676	constant_power_C_real	15101.2	0.0	7550.6	0.0
load	N_300084676	constant_power_A_reac	4963.54	0.0	2481.77	0.0
load	N_300084676	constant_power_B_reac	4963.54	0.0	2481.77	0.0
load	N_300084676	constant_power_C_reac	4963.54	0.0	2481.77	0.0
load	N_300084677	constant_power_A	12201.5	4010.44	6100.75	2005.22
load	N_300084677	constant_power_B	12201.5	4010.44	6100.75	2005.22
load	N_300084677	constant_power_A_real	12201.5	0.0	6100.75	0.0
load	N_300084677	constant_power_B_real	12201.5	0.0	6100.75	0.0
load	N_300084677	constant_power_A_reac	4010.44	0.0	2005.22	0.0
load	N_300084677	constant_power_B_reac	4010.44	0.0	2005.22	0.0
load	N_300084670	constant_power_A	29707.5	9806.67	14853.75	4903.335
load	N_300084670	constant_power_B	29707.5	9806.67	14853.75	4903.335
load	N_300084670	constant_power_C	29707.5	9806.67	14853.75	4903.335
load	N_300084670	constant_power_A_real	29707.5	0.0	14853.75	0.0
load	N_300084670	constant_power_B_real	29707.5	0.0	14853.75	0.0
load	N_300084670	constant_power_C_real	29707.5	0.0	14853.75	0.0
load	N_300084670	constant_power_A_reac	9806.67	0.0	4903.335	0.0
load	N_300084670	constant_power_B_reac	9806.67	0.0	4903.335	0.0
load	N_300084670	constant_power_C_reac	9806.67	0.0	4903.335	0.0
load	N_300084672	constant_power_A	7085.27	2328.81	3542.635	1164.405
load	N_300084672	constant_power_B	7085.27	2328.81	3542.635	1164.405
load	N_300084672	constant_power_A_real	7085.27	0.0	3542.635	0.0
load	N_300084672	constant_power_B_real	7085.27	0.0	3542.635	0.0
load	N_300084672	constant_power_A_reac	2328.81	0.0	1164.405	0.0
load	N_300084672	constant_power_B_reac	2328.81	0.0	1164.405	0.0
load	N_300084673	constant_power_A	19068.9	6267.64	9534.45	3133.82
load	N_300084673	constant_power_B	19068.9	6267.64	9534.45	3133.82

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084673	constant_power_A_real	19068.9	0.0	9534.45	0.0
load	N_300084673	constant_power_B_real	19068.9	0.0	9534.45	0.0
load	N_300084673	constant_power_A_reac	6267.64	0.0	3133.82	0.0
load	N_300084673	constant_power_B_reac	6267.64	0.0	3133.82	0.0
load	N_300084775	constant_power_A	2671.1	877.947	1335.55	438.9735
load	N_300084775	constant_power_B	2671.1	877.947	1335.55	438.9735
load	N_300084775	constant_power_A_real	2671.1	0.0	1335.55	0.0
load	N_300084775	constant_power_B_real	2671.1	0.0	1335.55	0.0
load	N_300084775	constant_power_A_reac	877.947	0.0	438.9735	0.0
load	N_300084775	constant_power_B_reac	877.947	0.0	438.9735	0.0
load	N_300015564	constant_power_A	42333.3	26235.8	21166.65	13117.9
load	N_300015564	constant_power_B	42333.3	26235.8	21166.65	13117.9
load	N_300015564	constant_power_C	42333.3	26235.8	21166.65	13117.9
load	N_300015564	constant_power_A_real	42333.3	0.0	21166.65	0.0
load	N_300015564	constant_power_B_real	42333.3	0.0	21166.65	0.0
load	N_300015564	constant_power_C_real	42333.3	0.0	21166.65	0.0
load	N_300015564	constant_power_A_reac	26235.8	0.0	13117.9	0.0
load	N_300015564	constant_power_B_reac	26235.8	0.0	13117.9	0.0
load	N_300015564	constant_power_C_reac	26235.8	0.0	13117.9	0.0
load	N_300084776	constant_power_A	10006.5	3288.99	5003.25	1644.495
load	N_300084776	constant_power_B	10006.5	3288.99	5003.25	1644.495
load	N_300084776	constant_power_C	10006.5	3288.99	5003.25	1644.495
load	N_300084776	constant_power_A_real	10006.5	0.0	5003.25	0.0
load	N_300084776	constant_power_B_real	10006.5	0.0	5003.25	0.0
load	N_300084776	constant_power_C_real	10006.5	0.0	5003.25	0.0
load	N_300084776	constant_power_A_reac	3288.99	0.0	1644.495	0.0
load	N_300084776	constant_power_B_reac	3288.99	0.0	1644.495	0.0
load	N_300084776	constant_power_C_reac	3288.99	0.0	1644.495	0.0
load	N_300003604	constant_power_A	11000.0	6817.19	5500.0	3408.595
load	N_300003604	constant_power_B	11000.0	6817.19	5500.0	3408.595
load	N_300003604	constant_power_C	11000.0	6817.19	5500.0	3408.595
load	N_300003604	constant_power_A_real	11000.0	0.0	5500.0	0.0
load	N_300003604	constant_power_B_real	11000.0	0.0	5500.0	0.0
load	N_300003604	constant_power_C_real	11000.0	0.0	5500.0	0.0
load	N_300003604	constant_power_A_reac	6817.19	0.0	3408.595	0.0
load	N_300003604	constant_power_B_reac	6817.19	0.0	3408.595	0.0
load	N_300003604	constant_power_C_reac	6817.19	0.0	3408.595	0.0
load	N_300237459	constant_power_A	17845.0	5865.36	8922.5	2932.68
load	N_300237459	constant_power_B	17845.0	5865.36	8922.5	2932.68
load	N_300237459	constant_power_C	17845.0	5865.36	8922.5	2932.68
load	N_300237459	constant_power_A_real	17845.0	0.0	8922.5	0.0
load	N_300237459	constant_power_B_real	17845.0	0.0	8922.5	0.0
load	N_300237459	constant_power_C_real	17845.0	0.0	8922.5	0.0
load	N_300237459	constant_power_A_reac	5865.36	0.0	2932.68	0.0
load	N_300237459	constant_power_B_reac	5865.36	0.0	2932.68	0.0
load	N_300237459	constant_power_C_reac	5865.36	0.0	2932.68	0.0
load	N_300084773	constant_power_A	9473.92	3113.93	4736.96	1556.965
load	N_300084773	constant_power_B	9473.92	3113.93	4736.96	1556.965
load	N_300084773	constant_power_C	9473.92	3113.93	4736.96	1556.965
load	N_300084773	constant_power_A_real	9473.92	0.0	4736.96	0.0
load	N_300084773	constant_power_B_real	9473.92	0.0	4736.96	0.0
load	N_300084773	constant_power_C_real	9473.92	0.0	4736.96	0.0
load	N_300084773	constant_power_A_reac	3113.93	0.0	1556.965	0.0
load	N_300084773	constant_power_B_reac	3113.93	0.0	1556.965	0.0
load	N_300084773	constant_power_C_reac	3113.93	0.0	1556.965	0.0
load	N_300084779	constant_power_A	7580.21	2491.49	3790.105	1245.745
load	N_300084779	constant_power_B	7580.21	2491.49	3790.105	1245.745
load	N_300084779	constant_power_C	7580.21	2491.49	3790.105	1245.745
load	N_300084779	constant_power_A_real	7580.21	0.0	3790.105	0.0
load	N_300084779	constant_power_B_real	7580.21	0.0	3790.105	0.0
load	N_300084779	constant_power_C_real	7580.21	0.0	3790.105	0.0
load	N_300084779	constant_power_A_reac	2491.49	0.0	1245.745	0.0
load	N_300084779	constant_power_B_reac	2491.49	0.0	1245.745	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084779	constant_power_C_reac	2491.49	0.0	1245.745	0.0
load	N_300084778	constant_power_A	12454.4	4093.55	6227.2	2046.775
load	N_300084778	constant_power_B	12454.4	4093.55	6227.2	2046.775
load	N_300084778	constant_power_C	12454.4	4093.55	6227.2	2046.775
load	N_300084778	constant_power_A_real	12454.4	0.0	6227.2	0.0
load	N_300084778	constant_power_B_real	12454.4	0.0	6227.2	0.0
load	N_300084778	constant_power_C_real	12454.4	0.0	6227.2	0.0
load	N_300084778	constant_power_A_reac	4093.55	0.0	2046.775	0.0
load	N_300084778	constant_power_B_reac	4093.55	0.0	2046.775	0.0
load	N_300084778	constant_power_C_reac	4093.55	0.0	2046.775	0.0
load	N_300085215	constant_power_A	12825.6	4215.56	6412.8	2107.78
load	N_300085215	constant_power_B	12825.6	4215.56	6412.8	2107.78
load	N_300085215	constant_power_C	12825.6	4215.56	6412.8	2107.78
load	N_300085215	constant_power_A_real	12825.6	0.0	6412.8	0.0
load	N_300085215	constant_power_B_real	12825.6	0.0	6412.8	0.0
load	N_300085215	constant_power_C_real	12825.6	0.0	6412.8	0.0
load	N_300085215	constant_power_A_reac	4215.56	0.0	2107.78	0.0
load	N_300085215	constant_power_B_reac	4215.56	0.0	2107.78	0.0
load	N_300085215	constant_power_C_reac	4215.56	0.0	2107.78	0.0
load	N_300085214	constant_power_A	11819.5	3884.89	5909.75	1942.445
load	N_300085214	constant_power_B	11819.5	3884.89	5909.75	1942.445
load	N_300085214	constant_power_C	11819.5	3884.89	5909.75	1942.445
load	N_300085214	constant_power_A_real	11819.5	0.0	5909.75	0.0
load	N_300085214	constant_power_B_real	11819.5	0.0	5909.75	0.0
load	N_300085214	constant_power_C_real	11819.5	0.0	5909.75	0.0
load	N_300085214	constant_power_A_reac	3884.89	0.0	1942.445	0.0
load	N_300085214	constant_power_B_reac	3884.89	0.0	1942.445	0.0
load	N_300085214	constant_power_C_reac	3884.89	0.0	1942.445	0.0
load	N_300085217	constant_power_A	5390.61	1771.81	2695.305	885.905
load	N_300085217	constant_power_B	5390.61	1771.81	2695.305	885.905
load	N_300085217	constant_power_C	5390.61	1771.81	2695.305	885.905
load	N_300085217	constant_power_A_real	5390.61	0.0	2695.305	0.0
load	N_300085217	constant_power_B_real	5390.61	0.0	2695.305	0.0
load	N_300085217	constant_power_C_real	5390.61	0.0	2695.305	0.0
load	N_300085217	constant_power_A_reac	1771.81	0.0	885.905	0.0
load	N_300085217	constant_power_B_reac	1771.81	0.0	885.905	0.0
load	N_300085217	constant_power_C_reac	1771.81	0.0	885.905	0.0
load	N_300085216	constant_power_A	6251.39	2054.73	3125.695	1027.365
load	N_300085216	constant_power_B	6251.39	2054.73	3125.695	1027.365
load	N_300085216	constant_power_C	6251.39	2054.73	3125.695	1027.365
load	N_300085216	constant_power_A_real	6251.39	0.0	3125.695	0.0
load	N_300085216	constant_power_B_real	6251.39	0.0	3125.695	0.0
load	N_300085216	constant_power_C_real	6251.39	0.0	3125.695	0.0
load	N_300085216	constant_power_A_reac	2054.73	0.0	1027.365	0.0
load	N_300085216	constant_power_B_reac	2054.73	0.0	1027.365	0.0
load	N_300085216	constant_power_C_reac	2054.73	0.0	1027.365	0.0
load	N_300011049	constant_power_A	36333.3	22517.4	18166.65	11258.7
load	N_300011049	constant_power_B	36333.3	22517.4	18166.65	11258.7
load	N_300011049	constant_power_C	36333.3	22517.4	18166.65	11258.7
load	N_300011049	constant_power_A_real	36333.3	0.0	18166.65	0.0
load	N_300011049	constant_power_B_real	36333.3	0.0	18166.65	0.0
load	N_300011049	constant_power_C_real	36333.3	0.0	18166.65	0.0
load	N_300011049	constant_power_A_reac	22517.4	0.0	11258.7	0.0
load	N_300011049	constant_power_B_reac	22517.4	0.0	11258.7	0.0
load	N_300011049	constant_power_C_reac	22517.4	0.0	11258.7	0.0
load	N_300085041	constant_power_A	29333.3	18179.2	14666.65	9089.6
load	N_300085041	constant_power_B	29333.3	18179.2	14666.65	9089.6
load	N_300085041	constant_power_C	29333.3	18179.2	14666.65	9089.6
load	N_300085041	constant_power_A_real	29333.3	0.0	14666.65	0.0
load	N_300085041	constant_power_B_real	29333.3	0.0	14666.65	0.0
load	N_300085041	constant_power_C_real	29333.3	0.0	14666.65	0.0
load	N_300085041	constant_power_A_reac	18179.2	0.0	9089.6	0.0
load	N_300085041	constant_power_B_reac	18179.2	0.0	9089.6	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300085041	constant_power_C_reac	18179.2	0.0	9089.6	0.0
load	N_300085219	constant_power_A	12615.8	4146.6	6307.9	2073.3
load	N_300085219	constant_power_B	12615.8	4146.6	6307.9	2073.3
load	N_300085219	constant_power_C	12615.8	4146.6	6307.9	2073.3
load	N_300085219	constant_power_A_real	12615.8	0.0	6307.9	0.0
load	N_300085219	constant_power_B_real	12615.8	0.0	6307.9	0.0
load	N_300085219	constant_power_C_real	12615.8	0.0	6307.9	0.0
load	N_300085219	constant_power_A_reac	4146.6	0.0	2073.3	0.0
load	N_300085219	constant_power_B_reac	4146.6	0.0	2073.3	0.0
load	N_300085219	constant_power_C_reac	4146.6	0.0	2073.3	0.0
load	N_300085218	constant_power_A	17543.7	5766.33	8771.85	2883.165
load	N_300085218	constant_power_B	17543.7	5766.33	8771.85	2883.165
load	N_300085218	constant_power_A_real	17543.7	0.0	8771.85	0.0
load	N_300085218	constant_power_B_real	17543.7	0.0	8771.85	0.0
load	N_300085218	constant_power_A_reac	5766.33	0.0	2883.165	0.0
load	N_300085218	constant_power_B_reac	5766.33	0.0	2883.165	0.0
load	N_300229439	constant_power_A	16785.1	5517.01	8392.55	2758.505
load	N_300229439	constant_power_B	16785.1	5517.01	8392.55	2758.505
load	N_300229439	constant_power_C	16785.1	5517.01	8392.55	2758.505
load	N_300229439	constant_power_A_real	16785.1	0.0	8392.55	0.0
load	N_300229439	constant_power_B_real	16785.1	0.0	8392.55	0.0
load	N_300229439	constant_power_C_real	16785.1	0.0	8392.55	0.0
load	N_300229439	constant_power_A_reac	5517.01	0.0	2758.505	0.0
load	N_300229439	constant_power_B_reac	5517.01	0.0	2758.505	0.0
load	N_300229439	constant_power_C_reac	5517.01	0.0	2758.505	0.0
load	N_300229401	constant_power_A	26635.6	11136.4	13317.8	5568.2
load	N_300229401	constant_power_B	26635.6	11136.4	13317.8	5568.2
load	N_300229401	constant_power_C	26635.6	11136.4	13317.8	5568.2
load	N_300229401	constant_power_A_real	26635.6	0.0	13317.8	0.0
load	N_300229401	constant_power_B_real	26635.6	0.0	13317.8	0.0
load	N_300229401	constant_power_C_real	26635.6	0.0	13317.8	0.0
load	N_300229401	constant_power_A_reac	11136.4	0.0	5568.2	0.0
load	N_300229401	constant_power_B_reac	11136.4	0.0	5568.2	0.0
load	N_300229401	constant_power_C_reac	11136.4	0.0	5568.2	0.0
load	N_300029009	constant_power_A	26000.0	16113.4	13000.0	8056.7
load	N_300029009	constant_power_B	26000.0	16113.4	13000.0	8056.7
load	N_300029009	constant_power_C	26000.0	16113.4	13000.0	8056.7
load	N_300029009	constant_power_A_real	26000.0	0.0	13000.0	0.0
load	N_300029009	constant_power_B_real	26000.0	0.0	13000.0	0.0
load	N_300029009	constant_power_C_real	26000.0	0.0	13000.0	0.0
load	N_300029009	constant_power_A_reac	16113.4	0.0	8056.7	0.0
load	N_300029009	constant_power_B_reac	16113.4	0.0	8056.7	0.0
load	N_300029009	constant_power_C_reac	16113.4	0.0	8056.7	0.0
load	N_300084649	constant_power_A	5417.51	1780.65	2708.755	890.325
load	N_300084649	constant_power_B	5417.51	1780.65	2708.755	890.325
load	N_300084649	constant_power_C	5417.51	1780.65	2708.755	890.325
load	N_300084649	constant_power_A_real	5417.51	0.0	2708.755	0.0
load	N_300084649	constant_power_B_real	5417.51	0.0	2708.755	0.0
load	N_300084649	constant_power_C_real	5417.51	0.0	2708.755	0.0
load	N_300084649	constant_power_A_reac	1780.65	0.0	890.325	0.0
load	N_300084649	constant_power_B_reac	1780.65	0.0	890.325	0.0
load	N_300084649	constant_power_C_reac	1780.65	0.0	890.325	0.0
load	N_300006093	constant_power_A	8376.43	2753.2	4188.215	1376.6
load	N_300006093	constant_power_B	8376.43	2753.2	4188.215	1376.6
load	N_300006093	constant_power_C	8376.43	2753.2	4188.215	1376.6
load	N_300006093	constant_power_A_real	8376.43	0.0	4188.215	0.0
load	N_300006093	constant_power_B_real	8376.43	0.0	4188.215	0.0
load	N_300006093	constant_power_C_real	8376.43	0.0	4188.215	0.0
load	N_300006093	constant_power_A_reac	2753.2	0.0	1376.6	0.0
load	N_300006093	constant_power_B_reac	2753.2	0.0	1376.6	0.0
load	N_300006093	constant_power_C_reac	2753.2	0.0	1376.6	0.0
load	N_300013030	constant_power_A	40623.3	13352.2	20311.65	6676.1
load	N_300013030	constant_power_B	40623.3	13352.2	20311.65	6676.1

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300013030	constant_power_C	40623.3	13352.2	20311.65	6676.1
load	N_300013030	constant_power_A_real	40623.3	0.0	20311.65	0.0
load	N_300013030	constant_power_B_real	40623.3	0.0	20311.65	0.0
load	N_300013030	constant_power_C_real	40623.3	0.0	20311.65	0.0
load	N_300013030	constant_power_A_reac	13352.2	0.0	6676.1	0.0
load	N_300013030	constant_power_B_reac	13352.2	0.0	6676.1	0.0
load	N_300013030	constant_power_C_reac	13352.2	0.0	6676.1	0.0
load	N_300237461	constant_power_A	20405.8	6707.05	10202.9	3353.525
load	N_300237461	constant_power_B	20405.8	6707.05	10202.9	3353.525
load	N_300237461	constant_power_C	20405.8	6707.05	10202.9	3353.525
load	N_300237461	constant_power_A_real	20405.8	0.0	10202.9	0.0
load	N_300237461	constant_power_B_real	20405.8	0.0	10202.9	0.0
load	N_300237461	constant_power_C_real	20405.8	0.0	10202.9	0.0
load	N_300237461	constant_power_A_reac	6707.05	0.0	3353.525	0.0
load	N_300237461	constant_power_B_reac	6707.05	0.0	3353.525	0.0
load	N_300237461	constant_power_C_reac	6707.05	0.0	3353.525	0.0
load	N_300005962	constant_power_A	16583.4	5450.7	8291.7	2725.35
load	N_300005962	constant_power_B	16583.4	5450.7	8291.7	2725.35
load	N_300005962	constant_power_A_real	16583.4	0.0	8291.7	0.0
load	N_300005962	constant_power_B_real	16583.4	0.0	8291.7	0.0
load	N_300005962	constant_power_A_reac	5450.7	0.0	2725.35	0.0
load	N_300005962	constant_power_B_reac	5450.7	0.0	2725.35	0.0
load	N_300229146	constant_power_A	15752.2	5177.5	7876.1	2588.75
load	N_300229146	constant_power_B	15752.2	5177.5	7876.1	2588.75
load	N_300229146	constant_power_C	15752.2	5177.5	7876.1	2588.75
load	N_300229146	constant_power_A_real	15752.2	0.0	7876.1	0.0
load	N_300229146	constant_power_B_real	15752.2	0.0	7876.1	0.0
load	N_300229146	constant_power_C_real	15752.2	0.0	7876.1	0.0
load	N_300229146	constant_power_A_reac	5177.5	0.0	2588.75	0.0
load	N_300229146	constant_power_B_reac	5177.5	0.0	2588.75	0.0
load	N_300229146	constant_power_C_reac	5177.5	0.0	2588.75	0.0
load	N_300237465	constant_power_A	13169.9	4328.73	6584.95	2164.365
load	N_300237465	constant_power_B	13169.9	4328.73	6584.95	2164.365
load	N_300237465	constant_power_C	13169.9	4328.73	6584.95	2164.365
load	N_300237465	constant_power_A_real	13169.9	0.0	6584.95	0.0
load	N_300237465	constant_power_B_real	13169.9	0.0	6584.95	0.0
load	N_300237465	constant_power_C_real	13169.9	0.0	6584.95	0.0
load	N_300237465	constant_power_A_reac	4328.73	0.0	2164.365	0.0
load	N_300237465	constant_power_B_reac	4328.73	0.0	2164.365	0.0
load	N_300237465	constant_power_C_reac	4328.73	0.0	2164.365	0.0
load	N_300014119	constant_power_A	1285.78	796.858	642.89	398.429
load	N_300014119	constant_power_B	1285.78	796.858	642.89	398.429
load	N_300014119	constant_power_C	1285.78	796.858	642.89	398.429
load	N_300014119	constant_power_A_real	1285.78	0.0	642.89	0.0
load	N_300014119	constant_power_B_real	1285.78	0.0	642.89	0.0
load	N_300014119	constant_power_C_real	1285.78	0.0	642.89	0.0
load	N_300014119	constant_power_A_reac	796.858	0.0	398.429	0.0
load	N_300014119	constant_power_B_reac	796.858	0.0	398.429	0.0
load	N_300014119	constant_power_C_reac	796.858	0.0	398.429	0.0
load	N_300011354	constant_power_A	53529.5	17594.3	26764.75	8797.15
load	N_300011354	constant_power_B	53529.5	17594.3	26764.75	8797.15
load	N_300011354	constant_power_C	53529.5	17594.3	26764.75	8797.15
load	N_300011354	constant_power_A_real	53529.5	0.0	26764.75	0.0
load	N_300011354	constant_power_B_real	53529.5	0.0	26764.75	0.0
load	N_300011354	constant_power_C_real	53529.5	0.0	26764.75	0.0
load	N_300011354	constant_power_A_reac	17594.3	0.0	8797.15	0.0
load	N_300011354	constant_power_B_reac	17594.3	0.0	8797.15	0.0
load	N_300011354	constant_power_C_reac	17594.3	0.0	8797.15	0.0
load	N_300229389	constant_power_A	12395.2	4074.1	6197.6	2037.05
load	N_300229389	constant_power_B	12395.2	4074.1	6197.6	2037.05
load	N_300229389	constant_power_C	12395.2	4074.1	6197.6	2037.05
load	N_300229389	constant_power_A_real	12395.2	0.0	6197.6	0.0
load	N_300229389	constant_power_B_real	12395.2	0.0	6197.6	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300229389	constant_power_C_real	12395.2	0.0	6197.6	0.0
load	N_300229389	constant_power_A_reac	4074.1	0.0	2037.05	0.0
load	N_300229389	constant_power_B_reac	4074.1	0.0	2037.05	0.0
load	N_300229389	constant_power_C_reac	4074.1	0.0	2037.05	0.0
load	N_300229153	constant_power_A	10313.2	3389.78	5156.6	1694.89
load	N_300229153	constant_power_B	10313.2	3389.78	5156.6	1694.89
load	N_300229153	constant_power_C	10313.2	3389.78	5156.6	1694.89
load	N_300229153	constant_power_A_real	10313.2	0.0	5156.6	0.0
load	N_300229153	constant_power_B_real	10313.2	0.0	5156.6	0.0
load	N_300229153	constant_power_C_real	10313.2	0.0	5156.6	0.0
load	N_300229153	constant_power_A_reac	3389.78	0.0	1694.89	0.0
load	N_300229153	constant_power_B_reac	3389.78	0.0	1694.89	0.0
load	N_300229153	constant_power_C_reac	3389.78	0.0	1694.89	0.0
load	N_300097280	constant_power_A	41473.2	25702.8	20736.6	12851.4
load	N_300097280	constant_power_B	41473.2	25702.8	20736.6	12851.4
load	N_300097280	constant_power_C	41473.2	25702.8	20736.6	12851.4
load	N_300097280	constant_power_A_real	41473.2	0.0	20736.6	0.0
load	N_300097280	constant_power_B_real	41473.2	0.0	20736.6	0.0
load	N_300097280	constant_power_C_real	41473.2	0.0	20736.6	0.0
load	N_300097280	constant_power_A_reac	25702.8	0.0	12851.4	0.0
load	N_300097280	constant_power_B_reac	25702.8	0.0	12851.4	0.0
load	N_300097280	constant_power_C_reac	25702.8	0.0	12851.4	0.0
load	N_300017754	constant_power_A	914.575	300.606	457.2875	150.303
load	N_300017754	constant_power_B	914.575	300.606	457.2875	150.303
load	N_300017754	constant_power_C	914.575	300.606	457.2875	150.303
load	N_300017754	constant_power_A_real	914.575	0.0	457.2875	0.0
load	N_300017754	constant_power_B_real	914.575	0.0	457.2875	0.0
load	N_300017754	constant_power_C_real	914.575	0.0	457.2875	0.0
load	N_300017754	constant_power_A_reac	300.606	0.0	150.303	0.0
load	N_300017754	constant_power_B_reac	300.606	0.0	150.303	0.0
load	N_300017754	constant_power_C_reac	300.606	0.0	150.303	0.0
load	N_300014197	constant_power_A	14853.8	4882.2	7426.9	2441.1
load	N_300014197	constant_power_B	14853.8	4882.2	7426.9	2441.1
load	N_300014197	constant_power_C	14853.8	4882.2	7426.9	2441.1
load	N_300014197	constant_power_A_real	14853.8	0.0	7426.9	0.0
load	N_300014197	constant_power_B_real	14853.8	0.0	7426.9	0.0
load	N_300014197	constant_power_C_real	14853.8	0.0	7426.9	0.0
load	N_300014197	constant_power_A_reac	4882.2	0.0	2441.1	0.0
load	N_300014197	constant_power_B_reac	4882.2	0.0	2441.1	0.0
load	N_300014197	constant_power_C_reac	4882.2	0.0	2441.1	0.0
load	N_300229422	constant_power_A	6369.74	2093.63	3184.87	1046.815
load	N_300229422	constant_power_B	6369.74	2093.63	3184.87	1046.815
load	N_300229422	constant_power_C	6369.74	2093.63	3184.87	1046.815
load	N_300229422	constant_power_A_real	6369.74	0.0	3184.87	0.0
load	N_300229422	constant_power_B_real	6369.74	0.0	3184.87	0.0
load	N_300229422	constant_power_C_real	6369.74	0.0	3184.87	0.0
load	N_300229422	constant_power_A_reac	2093.63	0.0	1046.815	0.0
load	N_300229422	constant_power_B_reac	2093.63	0.0	1046.815	0.0
load	N_300229422	constant_power_C_reac	2093.63	0.0	1046.815	0.0
load	N_300229429	constant_power_A	19754.8	6493.09	9877.4	3246.545
load	N_300229429	constant_power_B	19754.8	6493.09	9877.4	3246.545
load	N_300229429	constant_power_C	19754.8	6493.09	9877.4	3246.545
load	N_300229429	constant_power_A_real	19754.8	0.0	9877.4	0.0
load	N_300229429	constant_power_B_real	19754.8	0.0	9877.4	0.0
load	N_300229429	constant_power_C_real	19754.8	0.0	9877.4	0.0
load	N_300229429	constant_power_A_reac	6493.09	0.0	3246.545	0.0
load	N_300229429	constant_power_B_reac	6493.09	0.0	3246.545	0.0
load	N_300229429	constant_power_C_reac	6493.09	0.0	3246.545	0.0
load	N_300084656	constant_power_A	7047.61	2316.44	3523.805	1158.22
load	N_300084656	constant_power_B	7047.61	2316.44	3523.805	1158.22
load	N_300084656	constant_power_C	7047.61	2316.44	3523.805	1158.22
load	N_300084656	constant_power_A_real	7047.61	0.0	3523.805	0.0
load	N_300084656	constant_power_B_real	7047.61	0.0	3523.805	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084656	constant_power_C_real	7047.61	0.0	3523.805	0.0
load	N_300084656	constant_power_A_reac	2316.44	0.0	1158.22	0.0
load	N_300084656	constant_power_B_reac	2316.44	0.0	1158.22	0.0
load	N_300084656	constant_power_C_reac	2316.44	0.0	1158.22	0.0
load	N_300084657	constant_power_A	13126.8	4314.58	6563.4	2157.29
load	N_300084657	constant_power_B	13126.8	4314.58	6563.4	2157.29
load	N_300084657	constant_power_C	13126.8	4314.58	6563.4	2157.29
load	N_300084657	constant_power_A_real	13126.8	0.0	6563.4	0.0
load	N_300084657	constant_power_B_real	13126.8	0.0	6563.4	0.0
load	N_300084657	constant_power_C_real	13126.8	0.0	6563.4	0.0
load	N_300084657	constant_power_A_reac	4314.58	0.0	2157.29	0.0
load	N_300084657	constant_power_B_reac	4314.58	0.0	2157.29	0.0
load	N_300084657	constant_power_C_reac	4314.58	0.0	2157.29	0.0
load	N_300084654	constant_power_A	10297.0	3384.47	5148.5	1692.235
load	N_300084654	constant_power_B	10297.0	3384.47	5148.5	1692.235
load	N_300084654	constant_power_C	10297.0	3384.47	5148.5	1692.235
load	N_300084654	constant_power_A_real	10297.0	0.0	5148.5	0.0
load	N_300084654	constant_power_B_real	10297.0	0.0	5148.5	0.0
load	N_300084654	constant_power_C_real	10297.0	0.0	5148.5	0.0
load	N_300084654	constant_power_A_reac	3384.47	0.0	1692.235	0.0
load	N_300084654	constant_power_B_reac	3384.47	0.0	1692.235	0.0
load	N_300084654	constant_power_C_reac	3384.47	0.0	1692.235	0.0
load	N_300084655	constant_power_A	9646.07	3170.51	4823.035	1585.255
load	N_300084655	constant_power_B	9646.07	3170.51	4823.035	1585.255
load	N_300084655	constant_power_C	9646.07	3170.51	4823.035	1585.255
load	N_300084655	constant_power_A_real	9646.07	0.0	4823.035	0.0
load	N_300084655	constant_power_B_real	9646.07	0.0	4823.035	0.0
load	N_300084655	constant_power_C_real	9646.07	0.0	4823.035	0.0
load	N_300084655	constant_power_A_reac	3170.51	0.0	1585.255	0.0
load	N_300084655	constant_power_B_reac	3170.51	0.0	1585.255	0.0
load	N_300084655	constant_power_C_reac	3170.51	0.0	1585.255	0.0
load	N_300084652	constant_power_A	21683.5	7127.02	10841.75	3563.51
load	N_300084652	constant_power_B	21683.5	7127.02	10841.75	3563.51
load	N_300084652	constant_power_A_real	21683.5	0.0	10841.75	0.0
load	N_300084652	constant_power_B_real	21683.5	0.0	10841.75	0.0
load	N_300084652	constant_power_A_reac	7127.02	0.0	3563.51	0.0
load	N_300084652	constant_power_B_reac	7127.02	0.0	3563.51	0.0
load	N_300084650	constant_power_A	12449.0	4091.78	6224.5	2045.89
load	N_300084650	constant_power_B	12449.0	4091.78	6224.5	2045.89
load	N_300084650	constant_power_C	12449.0	4091.78	6224.5	2045.89
load	N_300084650	constant_power_A_real	12449.0	0.0	6224.5	0.0
load	N_300084650	constant_power_B_real	12449.0	0.0	6224.5	0.0
load	N_300084650	constant_power_C_real	12449.0	0.0	6224.5	0.0
load	N_300084650	constant_power_A_reac	4091.78	0.0	2045.89	0.0
load	N_300084650	constant_power_B_reac	4091.78	0.0	2045.89	0.0
load	N_300084650	constant_power_C_reac	4091.78	0.0	2045.89	0.0
load	N_300084718	constant_power_A	15620.4	9680.67	7810.2	4840.335
load	N_300084718	constant_power_B	15620.4	9680.67	7810.2	4840.335
load	N_300084718	constant_power_C	15620.4	9680.67	7810.2	4840.335
load	N_300084718	constant_power_A_real	15620.4	0.0	7810.2	0.0
load	N_300084718	constant_power_B_real	15620.4	0.0	7810.2	0.0
load	N_300084718	constant_power_C_real	15620.4	0.0	7810.2	0.0
load	N_300084718	constant_power_A_reac	9680.67	0.0	4840.335	0.0
load	N_300084718	constant_power_B_reac	9680.67	0.0	4840.335	0.0
load	N_300084718	constant_power_C_reac	9680.67	0.0	4840.335	0.0
load	N_300084802	constant_power_A	7609.8	2501.22	3804.9	1250.61
load	N_300084802	constant_power_B	7609.8	2501.22	3804.9	1250.61
load	N_300084802	constant_power_A_real	7609.8	0.0	3804.9	0.0
load	N_300084802	constant_power_B_real	7609.8	0.0	3804.9	0.0
load	N_300084802	constant_power_A_reac	2501.22	0.0	1250.61	0.0
load	N_300084802	constant_power_B_reac	2501.22	0.0	1250.61	0.0
load	N_300084715	constant_power_A	537.985	333.413	268.9925	166.7065
load	N_300084715	constant_power_B	537.985	333.413	268.9925	166.7065

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084715	constant_power_C	537.985	333.413	268.9925	166.7065
load	N_300084715	constant_power_A_real	537.985	0.0	268.9925	0.0
load	N_300084715	constant_power_B_real	537.985	0.0	268.9925	0.0
load	N_300084715	constant_power_C_real	537.985	0.0	268.9925	0.0
load	N_300084715	constant_power_A_reac	333.413	0.0	166.7065	0.0
load	N_300084715	constant_power_B_reac	333.413	0.0	166.7065	0.0
load	N_300084715	constant_power_C_reac	333.413	0.0	166.7065	0.0
load	N_300084714	constant_power_A	8360.29	2747.89	4180.145	1373.945
load	N_300084714	constant_power_B	8360.29	2747.89	4180.145	1373.945
load	N_300084714	constant_power_A_real	8360.29	0.0	4180.145	0.0
load	N_300084714	constant_power_B_real	8360.29	0.0	4180.145	0.0
load	N_300084714	constant_power_A_reac	2747.89	0.0	1373.945	0.0
load	N_300084714	constant_power_B_reac	2747.89	0.0	1373.945	0.0
load	N_300084807	constant_power_A	7542.55	2649.8	3771.275	1324.9
load	N_300084807	constant_power_B	7542.55	2649.8	3771.275	1324.9
load	N_300084807	constant_power_C	7542.55	2649.8	3771.275	1324.9
load	N_300084807	constant_power_A_real	7542.55	0.0	3771.275	0.0
load	N_300084807	constant_power_B_real	7542.55	0.0	3771.275	0.0
load	N_300084807	constant_power_C_real	7542.55	0.0	3771.275	0.0
load	N_300084807	constant_power_A_reac	2649.8	0.0	1324.9	0.0
load	N_300084807	constant_power_B_reac	2649.8	0.0	1324.9	0.0
load	N_300084807	constant_power_C_reac	2649.8	0.0	1324.9	0.0
load	N_300084908	constant_power_A	14808.0	4994.0	7404.0	2497.0
load	N_300084908	constant_power_B	14808.0	4994.0	7404.0	2497.0
load	N_300084908	constant_power_A_real	14808.0	0.0	7404.0	0.0
load	N_300084908	constant_power_B_real	14808.0	0.0	7404.0	0.0
load	N_300084908	constant_power_A_reac	4994.0	0.0	2497.0	0.0
load	N_300084908	constant_power_B_reac	4994.0	0.0	2497.0	0.0
load	N_300084711	constant_power_A	42811.9	26532.4	21405.95	13266.2
load	N_300084711	constant_power_B	42811.9	26532.4	21405.95	13266.2
load	N_300084711	constant_power_C	42811.9	26532.4	21405.95	13266.2
load	N_300084711	constant_power_A_real	42811.9	0.0	21405.95	0.0
load	N_300084711	constant_power_B_real	42811.9	0.0	21405.95	0.0
load	N_300084711	constant_power_C_real	42811.9	0.0	21405.95	0.0
load	N_300084711	constant_power_A_reac	26532.4	0.0	13266.2	0.0
load	N_300084711	constant_power_B_reac	26532.4	0.0	13266.2	0.0
load	N_300084711	constant_power_C_reac	26532.4	0.0	13266.2	0.0
load	N_300084710	constant_power_A	13121.5	4312.81	6560.75	2156.405
load	N_300084710	constant_power_B	13121.5	4312.81	6560.75	2156.405
load	N_300084710	constant_power_C	13121.5	4312.81	6560.75	2156.405
load	N_300084710	constant_power_A_real	13121.5	0.0	6560.75	0.0
load	N_300084710	constant_power_B_real	13121.5	0.0	6560.75	0.0
load	N_300084710	constant_power_C_real	13121.5	0.0	6560.75	0.0
load	N_300084710	constant_power_A_reac	4312.81	0.0	2156.405	0.0
load	N_300084710	constant_power_B_reac	4312.81	0.0	2156.405	0.0
load	N_300084710	constant_power_C_reac	4312.81	0.0	2156.405	0.0
load	N_300084909	constant_power_A	14436.8	4745.16	7218.4	2372.58
load	N_300084909	constant_power_B	14436.8	4745.16	7218.4	2372.58
load	N_300084909	constant_power_A_real	14436.8	0.0	7218.4	0.0
load	N_300084909	constant_power_B_real	14436.8	0.0	7218.4	0.0
load	N_300084909	constant_power_A_reac	4745.16	0.0	2372.58	0.0
load	N_300084909	constant_power_B_reac	4745.16	0.0	2372.58	0.0
load	N_300014120	constant_power_A	34746.6	17047.8	17373.3	8523.9
load	N_300014120	constant_power_B	34746.6	17047.8	17373.3	8523.9
load	N_300014120	constant_power_C	34746.6	17047.8	17373.3	8523.9
load	N_300014120	constant_power_A_real	34746.6	0.0	17373.3	0.0
load	N_300014120	constant_power_B_real	34746.6	0.0	17373.3	0.0
load	N_300014120	constant_power_C_real	34746.6	0.0	17373.3	0.0
load	N_300014120	constant_power_A_reac	17047.8	0.0	8523.9	0.0
load	N_300014120	constant_power_B_reac	17047.8	0.0	8523.9	0.0
load	N_300014120	constant_power_C_reac	17047.8	0.0	8523.9	0.0
load	N_300229398	constant_power_A	44324.6	25432.7	22162.3	12716.35
load	N_300229398	constant_power_B	44324.6	25432.7	22162.3	12716.35

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300229398	constant_power_C	44324.6	25432.7	22162.3	12716.35
load	N_300229398	constant_power_A_real	44324.6	0.0	22162.3	0.0
load	N_300229398	constant_power_B_real	44324.6	0.0	22162.3	0.0
load	N_300229398	constant_power_C_real	44324.6	0.0	22162.3	0.0
load	N_300229398	constant_power_A_reac	25432.7	0.0	12716.35	0.0
load	N_300229398	constant_power_B_reac	25432.7	0.0	12716.35	0.0
load	N_300229398	constant_power_C_reac	25432.7	0.0	12716.35	0.0
load	N_300084887	constant_power_A	14509.5	4769.03	7254.75	2384.515
load	N_300084887	constant_power_B	14509.5	4769.03	7254.75	2384.515
load	N_300084887	constant_power_C	14509.5	4769.03	7254.75	2384.515
load	N_300084887	constant_power_A_real	14509.5	0.0	7254.75	0.0
load	N_300084887	constant_power_B_real	14509.5	0.0	7254.75	0.0
load	N_300084887	constant_power_C_real	14509.5	0.0	7254.75	0.0
load	N_300084887	constant_power_A_reac	4769.03	0.0	2384.515	0.0
load	N_300084887	constant_power_B_reac	4769.03	0.0	2384.515	0.0
load	N_300084887	constant_power_C_reac	4769.03	0.0	2384.515	0.0
load	N_300015749	constant_power_A	28152.5	17447.3	14076.25	8723.65
load	N_300015749	constant_power_B	28152.5	17447.3	14076.25	8723.65
load	N_300015749	constant_power_C	28152.5	17447.3	14076.25	8723.65
load	N_300015749	constant_power_A_real	28152.5	0.0	14076.25	0.0
load	N_300015749	constant_power_B_real	28152.5	0.0	14076.25	0.0
load	N_300015749	constant_power_C_real	28152.5	0.0	14076.25	0.0
load	N_300015749	constant_power_A_reac	17447.3	0.0	8723.65	0.0
load	N_300015749	constant_power_B_reac	17447.3	0.0	8723.65	0.0
load	N_300015749	constant_power_C_reac	17447.3	0.0	8723.65	0.0
load	N_300017753	constant_power_A	7561.38	2485.31	3780.69	1242.655
load	N_300017753	constant_power_B	7561.38	2485.31	3780.69	1242.655
load	N_300017753	constant_power_A_real	7561.38	0.0	3780.69	0.0
load	N_300017753	constant_power_B_real	7561.38	0.0	3780.69	0.0
load	N_300017753	constant_power_A_reac	2485.31	0.0	1242.655	0.0
load	N_300017753	constant_power_B_reac	2485.31	0.0	1242.655	0.0
load	N_300017751	constant_power_A	13403.9	4405.65	6701.95	2202.825
load	N_300017751	constant_power_B	13403.9	4405.65	6701.95	2202.825
load	N_300017751	constant_power_A_real	13403.9	0.0	6701.95	0.0
load	N_300017751	constant_power_B_real	13403.9	0.0	6701.95	0.0
load	N_300017751	constant_power_A_reac	4405.65	0.0	2202.825	0.0
load	N_300017751	constant_power_B_reac	4405.65	0.0	2202.825	0.0
load	N_300018470	constant_power_A	68333.3	42349.2	34166.65	21174.6
load	N_300018470	constant_power_B	68333.3	42349.2	34166.65	21174.6
load	N_300018470	constant_power_C	68333.3	42349.2	34166.65	21174.6
load	N_300018470	constant_power_A_real	68333.3	0.0	34166.65	0.0
load	N_300018470	constant_power_B_real	68333.3	0.0	34166.65	0.0
load	N_300018470	constant_power_C_real	68333.3	0.0	34166.65	0.0
load	N_300018470	constant_power_A_reac	42349.2	0.0	21174.6	0.0
load	N_300018470	constant_power_B_reac	42349.2	0.0	21174.6	0.0
load	N_300018470	constant_power_C_reac	42349.2	0.0	21174.6	0.0
load	N_300084899	constant_power_A	10167.9	3342.03	5083.95	1671.015
load	N_300084899	constant_power_B	10167.9	3342.03	5083.95	1671.015
load	N_300084899	constant_power_C	10167.9	3342.03	5083.95	1671.015
load	N_300084899	constant_power_A_real	10167.9	0.0	5083.95	0.0
load	N_300084899	constant_power_B_real	10167.9	0.0	5083.95	0.0
load	N_300084899	constant_power_C_real	10167.9	0.0	5083.95	0.0
load	N_300084899	constant_power_A_reac	3342.03	0.0	1671.015	0.0
load	N_300084899	constant_power_B_reac	3342.03	0.0	1671.015	0.0
load	N_300084899	constant_power_C_reac	3342.03	0.0	1671.015	0.0
load	N_300084777	constant_power_A	780.078	483.449	390.039	241.7245
load	N_300084777	constant_power_B	780.078	483.449	390.039	241.7245
load	N_300084777	constant_power_C	780.078	483.449	390.039	241.7245
load	N_300084777	constant_power_A_real	780.078	0.0	390.039	0.0
load	N_300084777	constant_power_B_real	780.078	0.0	390.039	0.0
load	N_300084777	constant_power_C_real	780.078	0.0	390.039	0.0
load	N_300084777	constant_power_A_reac	483.449	0.0	241.7245	0.0
load	N_300084777	constant_power_B_reac	483.449	0.0	241.7245	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084777	constant_power_C_reac	483.449	0.0	241.7245	0.0
load	N_300229453	constant_power_A	23574.5	8910.44	11787.25	4455.22
load	N_300229453	constant_power_B	23574.5	8910.44	11787.25	4455.22
load	N_300229453	constant_power_C	23574.5	8910.44	11787.25	4455.22
load	N_300229453	constant_power_A_real	23574.5	0.0	11787.25	0.0
load	N_300229453	constant_power_B_real	23574.5	0.0	11787.25	0.0
load	N_300229453	constant_power_C_real	23574.5	0.0	11787.25	0.0
load	N_300229453	constant_power_A_reac	8910.44	0.0	4455.22	0.0
load	N_300229453	constant_power_B_reac	8910.44	0.0	4455.22	0.0
load	N_300229453	constant_power_C_reac	8910.44	0.0	4455.22	0.0
load	N_300229450	constant_power_A	15607.0	5613.61	7803.5	2806.805
load	N_300229450	constant_power_B	15607.0	5613.61	7803.5	2806.805
load	N_300229450	constant_power_C	15607.0	5613.61	7803.5	2806.805
load	N_300229450	constant_power_A_real	15607.0	0.0	7803.5	0.0
load	N_300229450	constant_power_B_real	15607.0	0.0	7803.5	0.0
load	N_300229450	constant_power_C_real	15607.0	0.0	7803.5	0.0
load	N_300229450	constant_power_A_reac	5613.61	0.0	2806.805	0.0
load	N_300229450	constant_power_B_reac	5613.61	0.0	2806.805	0.0
load	N_300229450	constant_power_C_reac	5613.61	0.0	2806.805	0.0
load	N_300084708	constant_power_A	17000.3	5587.74	8500.15	2793.87
load	N_300084708	constant_power_B	17000.3	5587.74	8500.15	2793.87
load	N_300084708	constant_power_C	17000.3	5587.74	8500.15	2793.87
load	N_300084708	constant_power_A_real	17000.3	0.0	8500.15	0.0
load	N_300084708	constant_power_B_real	17000.3	0.0	8500.15	0.0
load	N_300084708	constant_power_C_real	17000.3	0.0	8500.15	0.0
load	N_300084708	constant_power_A_reac	5587.74	0.0	2793.87	0.0
load	N_300084708	constant_power_B_reac	5587.74	0.0	2793.87	0.0
load	N_300084708	constant_power_C_reac	5587.74	0.0	2793.87	0.0
load	N_300229455	constant_power_A	8258.07	2714.3	4129.035	1357.15
load	N_300229455	constant_power_B	8258.07	2714.3	4129.035	1357.15
load	N_300229455	constant_power_C	8258.07	2714.3	4129.035	1357.15
load	N_300229455	constant_power_A_real	8258.07	0.0	4129.035	0.0
load	N_300229455	constant_power_B_real	8258.07	0.0	4129.035	0.0
load	N_300229455	constant_power_C_real	8258.07	0.0	4129.035	0.0
load	N_300229455	constant_power_A_reac	2714.3	0.0	1357.15	0.0
load	N_300229455	constant_power_B_reac	2714.3	0.0	1357.15	0.0
load	N_300229455	constant_power_C_reac	2714.3	0.0	1357.15	0.0
load	N_300084684	constant_power_A	17102.5	5621.34	8551.25	2810.67
load	N_300084684	constant_power_B	17102.5	5621.34	8551.25	2810.67
load	N_300084684	constant_power_C	17102.5	5621.34	8551.25	2810.67
load	N_300084684	constant_power_A_real	17102.5	0.0	8551.25	0.0
load	N_300084684	constant_power_B_real	17102.5	0.0	8551.25	0.0
load	N_300084684	constant_power_C_real	17102.5	0.0	8551.25	0.0
load	N_300084684	constant_power_A_reac	5621.34	0.0	2810.67	0.0
load	N_300084684	constant_power_B_reac	5621.34	0.0	2810.67	0.0
load	N_300084684	constant_power_C_reac	5621.34	0.0	2810.67	0.0
load	N_300084704	constant_power_A	10695.1	3515.32	5347.55	1757.66
load	N_300084704	constant_power_B	10695.1	3515.32	5347.55	1757.66
load	N_300084704	constant_power_C	10695.1	3515.32	5347.55	1757.66
load	N_300084704	constant_power_A_real	10695.1	0.0	5347.55	0.0
load	N_300084704	constant_power_B_real	10695.1	0.0	5347.55	0.0
load	N_300084704	constant_power_C_real	10695.1	0.0	5347.55	0.0
load	N_300084704	constant_power_A_reac	3515.32	0.0	1757.66	0.0
load	N_300084704	constant_power_B_reac	3515.32	0.0	1757.66	0.0
load	N_300084704	constant_power_C_reac	3515.32	0.0	1757.66	0.0
load	N_300084706	constant_power_A	19130.8	6287.97	9565.4	3143.985
load	N_300084706	constant_power_B	19130.8	6287.97	9565.4	3143.985
load	N_300084706	constant_power_C	19130.8	6287.97	9565.4	3143.985
load	N_300084706	constant_power_A_real	19130.8	0.0	9565.4	0.0
load	N_300084706	constant_power_B_real	19130.8	0.0	9565.4	0.0
load	N_300084706	constant_power_C_real	19130.8	0.0	9565.4	0.0
load	N_300084706	constant_power_A_reac	6287.97	0.0	3143.985	0.0
load	N_300084706	constant_power_B_reac	6287.97	0.0	3143.985	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084706	constant_power_C_reac	6287.97	0.0	3143.985	0.0
load	N_300229124	constant_power_A	10114.1	3324.35	5057.05	1662.175
load	N_300229124	constant_power_B	10114.1	3324.35	5057.05	1662.175
load	N_300229124	constant_power_C	10114.1	3324.35	5057.05	1662.175
load	N_300229124	constant_power_A_real	10114.1	0.0	5057.05	0.0
load	N_300229124	constant_power_B_real	10114.1	0.0	5057.05	0.0
load	N_300229124	constant_power_C_real	10114.1	0.0	5057.05	0.0
load	N_300229124	constant_power_A_reac	3324.35	0.0	1662.175	0.0
load	N_300229124	constant_power_B_reac	3324.35	0.0	1662.175	0.0
load	N_300229124	constant_power_C_reac	3324.35	0.0	1662.175	0.0
load	N_300084703	constant_power_A	12163.8	3998.06	6081.9	1999.03
load	N_300084703	constant_power_B	12163.8	3998.06	6081.9	1999.03
load	N_300084703	constant_power_C	12163.8	3998.06	6081.9	1999.03
load	N_300084703	constant_power_A_real	12163.8	0.0	6081.9	0.0
load	N_300084703	constant_power_B_real	12163.8	0.0	6081.9	0.0
load	N_300084703	constant_power_C_real	12163.8	0.0	6081.9	0.0
load	N_300084703	constant_power_A_reac	3998.06	0.0	1999.03	0.0
load	N_300084703	constant_power_B_reac	3998.06	0.0	1999.03	0.0
load	N_300084703	constant_power_C_reac	3998.06	0.0	1999.03	0.0
load	N_300084623	constant_power_A	3303.23	1339.39	1651.615	669.695
load	N_300084623	constant_power_B	3303.23	1339.39	1651.615	669.695
load	N_300084623	constant_power_C	3303.23	1339.39	1651.615	669.695
load	N_300084623	constant_power_A_real	3303.23	0.0	1651.615	0.0
load	N_300084623	constant_power_B_real	3303.23	0.0	1651.615	0.0
load	N_300084623	constant_power_C_real	3303.23	0.0	1651.615	0.0
load	N_300084623	constant_power_A_reac	1339.39	0.0	669.695	0.0
load	N_300084623	constant_power_B_reac	1339.39	0.0	669.695	0.0
load	N_300084623	constant_power_C_reac	1339.39	0.0	669.695	0.0
load	N_300084621	constant_power_A	16032.0	5269.45	8016.0	2634.725
load	N_300084621	constant_power_B	16032.0	5269.45	8016.0	2634.725
load	N_300084621	constant_power_C	16032.0	5269.45	8016.0	2634.725
load	N_300084621	constant_power_A_real	16032.0	0.0	8016.0	0.0
load	N_300084621	constant_power_B_real	16032.0	0.0	8016.0	0.0
load	N_300084621	constant_power_C_real	16032.0	0.0	8016.0	0.0
load	N_300084621	constant_power_A_reac	5269.45	0.0	2634.725	0.0
load	N_300084621	constant_power_B_reac	5269.45	0.0	2634.725	0.0
load	N_300084621	constant_power_C_reac	5269.45	0.0	2634.725	0.0
load	N_300084620	constant_power_A	9468.54	3112.16	4734.27	1556.08
load	N_300084620	constant_power_B	9468.54	3112.16	4734.27	1556.08
load	N_300084620	constant_power_C	9468.54	3112.16	4734.27	1556.08
load	N_300084620	constant_power_A_real	9468.54	0.0	4734.27	0.0
load	N_300084620	constant_power_B_real	9468.54	0.0	4734.27	0.0
load	N_300084620	constant_power_C_real	9468.54	0.0	4734.27	0.0
load	N_300084620	constant_power_A_reac	3112.16	0.0	1556.08	0.0
load	N_300084620	constant_power_B_reac	3112.16	0.0	1556.08	0.0
load	N_300084620	constant_power_C_reac	3112.16	0.0	1556.08	0.0
load	N_300084627	constant_power_A	6221.8	2045.01	3110.9	1022.505
load	N_300084627	constant_power_B	6221.8	2045.01	3110.9	1022.505
load	N_300084627	constant_power_A_real	6221.8	0.0	3110.9	0.0
load	N_300084627	constant_power_B_real	6221.8	0.0	3110.9	0.0
load	N_300084627	constant_power_A_reac	2045.01	0.0	1022.505	0.0
load	N_300084627	constant_power_B_reac	2045.01	0.0	1022.505	0.0
load	N_300084626	constant_power_A	8537.83	2806.25	4268.915	1403.125
load	N_300084626	constant_power_B	8537.83	2806.25	4268.915	1403.125
load	N_300084626	constant_power_A_real	8537.83	0.0	4268.915	0.0
load	N_300084626	constant_power_B_real	8537.83	0.0	4268.915	0.0
load	N_300084626	constant_power_A_reac	2806.25	0.0	1403.125	0.0
load	N_300084626	constant_power_B_reac	2806.25	0.0	1403.125	0.0
load	N_300084625	constant_power_A	6972.29	2291.68	3486.145	1145.84
load	N_300084625	constant_power_B	6972.29	2291.68	3486.145	1145.84
load	N_300084625	constant_power_C	6972.29	2291.68	3486.145	1145.84
load	N_300084625	constant_power_A_real	6972.29	0.0	3486.145	0.0
load	N_300084625	constant_power_B_real	6972.29	0.0	3486.145	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084625	constant_power_C_real	6972.29	0.0	3486.145	0.0
load	N_300084625	constant_power_A_reac	2291.68	0.0	1145.84	0.0
load	N_300084625	constant_power_B_reac	2291.68	0.0	1145.84	0.0
load	N_300084625	constant_power_C_reac	2291.68	0.0	1145.84	0.0
load	N_300052713	constant_power_A	4610.53	1515.41	2305.265	757.705
load	N_300052713	constant_power_B	4610.53	1515.41	2305.265	757.705
load	N_300052713	constant_power_C	4610.53	1515.41	2305.265	757.705
load	N_300052713	constant_power_A_real	4610.53	0.0	2305.265	0.0
load	N_300052713	constant_power_B_real	4610.53	0.0	2305.265	0.0
load	N_300052713	constant_power_C_real	4610.53	0.0	2305.265	0.0
load	N_300052713	constant_power_A_reac	1515.41	0.0	757.705	0.0
load	N_300052713	constant_power_B_reac	1515.41	0.0	757.705	0.0
load	N_300052713	constant_power_C_reac	1515.41	0.0	757.705	0.0
load	N_300085264	constant_power_A	11658.1	3831.84	5829.05	1915.92
load	N_300085264	constant_power_B	11658.1	3831.84	5829.05	1915.92
load	N_300085264	constant_power_C	11658.1	3831.84	5829.05	1915.92
load	N_300085264	constant_power_A_real	11658.1	0.0	5829.05	0.0
load	N_300085264	constant_power_B_real	11658.1	0.0	5829.05	0.0
load	N_300085264	constant_power_C_real	11658.1	0.0	5829.05	0.0
load	N_300085264	constant_power_A_reac	3831.84	0.0	1915.92	0.0
load	N_300085264	constant_power_B_reac	3831.84	0.0	1915.92	0.0
load	N_300085264	constant_power_C_reac	3831.84	0.0	1915.92	0.0
load	N_300085265	constant_power_A	1377.24	518.444	688.62	259.222
load	N_300085265	constant_power_B	1377.24	518.444	688.62	259.222
load	N_300085265	constant_power_C	1377.24	518.444	688.62	259.222
load	N_300085265	constant_power_A_real	1377.24	0.0	688.62	0.0
load	N_300085265	constant_power_B_real	1377.24	0.0	688.62	0.0
load	N_300085265	constant_power_C_real	1377.24	0.0	688.62	0.0
load	N_300085265	constant_power_A_reac	518.444	0.0	259.222	0.0
load	N_300085265	constant_power_B_reac	518.444	0.0	259.222	0.0
load	N_300085265	constant_power_C_reac	518.444	0.0	259.222	0.0
load	N_300084629	constant_power_A	11265.4	3702.76	5632.7	1851.38
load	N_300084629	constant_power_B	11265.4	3702.76	5632.7	1851.38
load	N_300084629	constant_power_A_real	11265.4	0.0	5632.7	0.0
load	N_300084629	constant_power_B_real	11265.4	0.0	5632.7	0.0
load	N_300084629	constant_power_A_reac	3702.76	0.0	1851.38	0.0
load	N_300084629	constant_power_B_reac	3702.76	0.0	1851.38	0.0
load	N_300084628	constant_power_A	5288.39	1738.21	2644.195	869.105
load	N_300084628	constant_power_B	5288.39	1738.21	2644.195	869.105
load	N_300084628	constant_power_C	5288.39	1738.21	2644.195	869.105
load	N_300084628	constant_power_A_real	5288.39	0.0	2644.195	0.0
load	N_300084628	constant_power_B_real	5288.39	0.0	2644.195	0.0
load	N_300084628	constant_power_C_real	5288.39	0.0	2644.195	0.0
load	N_300084628	constant_power_A_reac	1738.21	0.0	869.105	0.0
load	N_300084628	constant_power_B_reac	1738.21	0.0	869.105	0.0
load	N_300084628	constant_power_C_reac	1738.21	0.0	869.105	0.0
load	N_300015089	constant_power_A	1108.25	364.264	554.125	182.132
load	N_300015089	constant_power_B	1108.25	364.264	554.125	182.132
load	N_300015089	constant_power_C	1108.25	364.264	554.125	182.132
load	N_300015089	constant_power_A_real	1108.25	0.0	554.125	0.0
load	N_300015089	constant_power_B_real	1108.25	0.0	554.125	0.0
load	N_300015089	constant_power_C_real	1108.25	0.0	554.125	0.0
load	N_300015089	constant_power_A_reac	364.264	0.0	182.132	0.0
load	N_300015089	constant_power_B_reac	364.264	0.0	182.132	0.0
load	N_300015089	constant_power_C_reac	364.264	0.0	182.132	0.0
load	N_300085261	constant_power_A	8317.25	4243.24	4158.625	2121.62
load	N_300085261	constant_power_B	8317.25	4243.24	4158.625	2121.62
load	N_300085261	constant_power_C	8317.25	4243.24	4158.625	2121.62
load	N_300085261	constant_power_A_real	8317.25	0.0	4158.625	0.0
load	N_300085261	constant_power_B_real	8317.25	0.0	4158.625	0.0
load	N_300085261	constant_power_C_real	8317.25	0.0	4158.625	0.0
load	N_300085261	constant_power_A_reac	4243.24	0.0	2121.62	0.0
load	N_300085261	constant_power_B_reac	4243.24	0.0	2121.62	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300085261	constant_power_C_reac	4243.24	0.0	2121.62	0.0
load	N_300085262	constant_power_A	11502.1	3780.57	5751.05	1890.285
load	N_300085262	constant_power_B	11502.1	3780.57	5751.05	1890.285
load	N_300085262	constant_power_C	11502.1	3780.57	5751.05	1890.285
load	N_300085262	constant_power_A_real	11502.1	0.0	5751.05	0.0
load	N_300085262	constant_power_B_real	11502.1	0.0	5751.05	0.0
load	N_300085262	constant_power_C_real	11502.1	0.0	5751.05	0.0
load	N_300085262	constant_power_A_reac	3780.57	0.0	1890.285	0.0
load	N_300085262	constant_power_B_reac	3780.57	0.0	1890.285	0.0
load	N_300085262	constant_power_C_reac	3780.57	0.0	1890.285	0.0
load	N_300085263	constant_power_A	1705.41	560.542	852.705	280.271
load	N_300085263	constant_power_B	1705.41	560.542	852.705	280.271
load	N_300085263	constant_power_C	1705.41	560.542	852.705	280.271
load	N_300085263	constant_power_A_real	1705.41	0.0	852.705	0.0
load	N_300085263	constant_power_B_real	1705.41	0.0	852.705	0.0
load	N_300085263	constant_power_C_real	1705.41	0.0	852.705	0.0
load	N_300085263	constant_power_A_reac	560.542	0.0	280.271	0.0
load	N_300085263	constant_power_B_reac	560.542	0.0	280.271	0.0
load	N_300085263	constant_power_C_reac	560.542	0.0	280.271	0.0
load	N_300084784	constant_power_A	9707.94	3190.85	4853.97	1595.425
load	N_300084784	constant_power_B	9707.94	3190.85	4853.97	1595.425
load	N_300084784	constant_power_A_real	9707.94	0.0	4853.97	0.0
load	N_300084784	constant_power_B_real	9707.94	0.0	4853.97	0.0
load	N_300084784	constant_power_A_reac	3190.85	0.0	1595.425	0.0
load	N_300084784	constant_power_B_reac	3190.85	0.0	1595.425	0.0
load	N_300084785	constant_power_A	7706.64	2533.05	3853.32	1266.525
load	N_300084785	constant_power_B	7706.64	2533.05	3853.32	1266.525
load	N_300084785	constant_power_A_real	7706.64	0.0	3853.32	0.0
load	N_300084785	constant_power_B_real	7706.64	0.0	3853.32	0.0
load	N_300084785	constant_power_A_reac	2533.05	0.0	1266.525	0.0
load	N_300084785	constant_power_B_reac	2533.05	0.0	1266.525	0.0
load	N_300084787	constant_power_A	976.443	320.941	488.2215	160.4705
load	N_300084787	constant_power_B	976.443	320.941	488.2215	160.4705
load	N_300084787	constant_power_A_real	976.443	0.0	488.2215	0.0
load	N_300084787	constant_power_B_real	976.443	0.0	488.2215	0.0
load	N_300084787	constant_power_A_reac	320.941	0.0	160.4705	0.0
load	N_300084787	constant_power_B_reac	320.941	0.0	160.4705	0.0
load	N_300084780	constant_power_A	5899.01	1938.91	2949.505	969.455
load	N_300084780	constant_power_B	5899.01	1938.91	2949.505	969.455
load	N_300084780	constant_power_A_real	5899.01	0.0	2949.505	0.0
load	N_300084780	constant_power_B_real	5899.01	0.0	2949.505	0.0
load	N_300084780	constant_power_A_reac	1938.91	0.0	969.455	0.0
load	N_300084780	constant_power_B_reac	1938.91	0.0	969.455	0.0
load	N_300084683	constant_power_A	27626.9	13252.4	13813.45	6626.2
load	N_300084683	constant_power_B	27626.9	13252.4	13813.45	6626.2
load	N_300084683	constant_power_C	27626.9	13252.4	13813.45	6626.2
load	N_300084683	constant_power_A_real	27626.9	0.0	13813.45	0.0
load	N_300084683	constant_power_B_real	27626.9	0.0	13813.45	0.0
load	N_300084683	constant_power_C_real	27626.9	0.0	13813.45	0.0
load	N_300084683	constant_power_A_reac	13252.4	0.0	6626.2	0.0
load	N_300084683	constant_power_B_reac	13252.4	0.0	6626.2	0.0
load	N_300084683	constant_power_C_reac	13252.4	0.0	6626.2	0.0
load	N_300084782	constant_power_A	5576.22	1832.81	2788.11	916.405
load	N_300084782	constant_power_B	5576.22	1832.81	2788.11	916.405
load	N_300084782	constant_power_A_real	5576.22	0.0	2788.11	0.0
load	N_300084782	constant_power_B_real	5576.22	0.0	2788.11	0.0
load	N_300084782	constant_power_A_reac	1832.81	0.0	916.405	0.0
load	N_300084782	constant_power_B_reac	1832.81	0.0	916.405	0.0
load	N_300084783	constant_power_A	5301.84	1742.63	2650.92	871.315
load	N_300084783	constant_power_B	5301.84	1742.63	2650.92	871.315
load	N_300084783	constant_power_A_real	5301.84	0.0	2650.92	0.0
load	N_300084783	constant_power_B_real	5301.84	0.0	2650.92	0.0
load	N_300084783	constant_power_A_reac	1742.63	0.0	871.315	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084783	constant_power_B_reac	1742.63	0.0	871.315	0.0
load	N_300084788	constant_power_A	7666.29	2519.79	3833.145	1259.895
load	N_300084788	constant_power_B	7666.29	2519.79	3833.145	1259.895
load	N_300084788	constant_power_A_real	7666.29	0.0	3833.145	0.0
load	N_300084788	constant_power_B_real	7666.29	0.0	3833.145	0.0
load	N_300084788	constant_power_A_reac	2519.79	0.0	1259.895	0.0
load	N_300084788	constant_power_B_reac	2519.79	0.0	1259.895	0.0
load	N_300017747	constant_power_A	8215.03	2700.15	4107.515	1350.075
load	N_300017747	constant_power_B	8215.03	2700.15	4107.515	1350.075
load	N_300017747	constant_power_A_real	8215.03	0.0	4107.515	0.0
load	N_300017747	constant_power_B_real	8215.03	0.0	4107.515	0.0
load	N_300017747	constant_power_A_reac	2700.15	0.0	1350.075	0.0
load	N_300017747	constant_power_B_reac	2700.15	0.0	1350.075	0.0
load	N_300028423	constant_power_A	14977.5	4922.87	7488.75	2461.435
load	N_300028423	constant_power_B	14977.5	4922.87	7488.75	2461.435
load	N_300028423	constant_power_C	14977.5	4922.87	7488.75	2461.435
load	N_300028423	constant_power_A_real	14977.5	0.0	7488.75	0.0
load	N_300028423	constant_power_B_real	14977.5	0.0	7488.75	0.0
load	N_300028423	constant_power_C_real	14977.5	0.0	7488.75	0.0
load	N_300028423	constant_power_A_reac	4922.87	0.0	2461.435	0.0
load	N_300028423	constant_power_B_reac	4922.87	0.0	2461.435	0.0
load	N_300028423	constant_power_C_reac	4922.87	0.0	2461.435	0.0
load	N_300028422	constant_power_A	8091.3	2659.48	4045.65	1329.74
load	N_300028422	constant_power_B	8091.3	2659.48	4045.65	1329.74
load	N_300028422	constant_power_C	8091.3	2659.48	4045.65	1329.74
load	N_300028422	constant_power_A_real	8091.3	0.0	4045.65	0.0
load	N_300028422	constant_power_B_real	8091.3	0.0	4045.65	0.0
load	N_300028422	constant_power_C_real	8091.3	0.0	4045.65	0.0
load	N_300028422	constant_power_A_reac	2659.48	0.0	1329.74	0.0
load	N_300028422	constant_power_B_reac	2659.48	0.0	1329.74	0.0
load	N_300028422	constant_power_C_reac	2659.48	0.0	1329.74	0.0
load	N_300084730	constant_power_A	13000.4	4273.03	6500.2	2136.515
load	N_300084730	constant_power_B	13000.4	4273.03	6500.2	2136.515
load	N_300084730	constant_power_A_real	13000.4	0.0	6500.2	0.0
load	N_300084730	constant_power_B_real	13000.4	0.0	6500.2	0.0
load	N_300084730	constant_power_A_reac	4273.03	0.0	2136.515	0.0
load	N_300084730	constant_power_B_reac	4273.03	0.0	2136.515	0.0
load	N_300084733	constant_power_A	3927.29	1290.84	1963.645	645.42
load	N_300084733	constant_power_B	3927.29	1290.84	1963.645	645.42
load	N_300084733	constant_power_C	3927.29	1290.84	1963.645	645.42
load	N_300084733	constant_power_A_real	3927.29	0.0	1963.645	0.0
load	N_300084733	constant_power_B_real	3927.29	0.0	1963.645	0.0
load	N_300084733	constant_power_C_real	3927.29	0.0	1963.645	0.0
load	N_300084733	constant_power_A_reac	1290.84	0.0	645.42	0.0
load	N_300084733	constant_power_B_reac	1290.84	0.0	645.42	0.0
load	N_300084733	constant_power_C_reac	1290.84	0.0	645.42	0.0
load	N_300229443	constant_power_A	14305.0	4701.83	7152.5	2350.915
load	N_300229443	constant_power_B	14305.0	4701.83	7152.5	2350.915
load	N_300229443	constant_power_C	14305.0	4701.83	7152.5	2350.915
load	N_300229443	constant_power_A_real	14305.0	0.0	7152.5	0.0
load	N_300229443	constant_power_B_real	14305.0	0.0	7152.5	0.0
load	N_300229443	constant_power_C_real	14305.0	0.0	7152.5	0.0
load	N_300229443	constant_power_A_reac	4701.83	0.0	2350.915	0.0
load	N_300229443	constant_power_B_reac	4701.83	0.0	2350.915	0.0
load	N_300229443	constant_power_C_reac	4701.83	0.0	2350.915	0.0
load	N_300084734	constant_power_A	704.761	231.644	352.3805	115.822
load	N_300084734	constant_power_B	704.761	231.644	352.3805	115.822
load	N_300084734	constant_power_C	704.761	231.644	352.3805	115.822
load	N_300084734	constant_power_A_real	704.761	0.0	352.3805	0.0
load	N_300084734	constant_power_B_real	704.761	0.0	352.3805	0.0
load	N_300084734	constant_power_C_real	704.761	0.0	352.3805	0.0
load	N_300084734	constant_power_A_reac	231.644	0.0	115.822	0.0
load	N_300084734	constant_power_B_reac	231.644	0.0	115.822	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084734	constant_power_C_reac	231.644	0.0	115.822	0.0
load	N_300084736	constant_power_A	5955.5	2709.09	2977.75	1354.545
load	N_300084736	constant_power_B	5955.5	2709.09	2977.75	1354.545
load	N_300084736	constant_power_A_real	5955.5	0.0	2977.75	0.0
load	N_300084736	constant_power_B_real	5955.5	0.0	2977.75	0.0
load	N_300084736	constant_power_A_reac	2709.09	0.0	1354.545	0.0
load	N_300084736	constant_power_B_reac	2709.09	0.0	1354.545	0.0
load	N_300005952	constant_power_A	31197.8	10254.2	15598.9	5127.1
load	N_300005952	constant_power_B	31197.8	10254.2	15598.9	5127.1
load	N_300005952	constant_power_A_real	31197.8	0.0	15598.9	0.0
load	N_300005952	constant_power_B_real	31197.8	0.0	15598.9	0.0
load	N_300005952	constant_power_A_reac	10254.2	0.0	5127.1	0.0
load	N_300005952	constant_power_B_reac	10254.2	0.0	5127.1	0.0
load	N_300084738	constant_power_B	15356.8	5047.53	7678.4	2523.765
load	N_300084738	constant_power_C	15356.8	5047.53	7678.4	2523.765
load	N_300084738	constant_power_B_real	15356.8	0.0	7678.4	0.0
load	N_300084738	constant_power_C_real	15356.8	0.0	7678.4	0.0
load	N_300084738	constant_power_B_reac	5047.53	0.0	2523.765	0.0
load	N_300084738	constant_power_C_reac	5047.53	0.0	2523.765	0.0
load	N_300085253	constant_power_A	61340.2	38015.3	30670.1	19007.65
load	N_300085253	constant_power_B	61340.2	38015.3	30670.1	19007.65
load	N_300085253	constant_power_C	61340.2	38015.3	30670.1	19007.65
load	N_300085253	constant_power_A_real	61340.2	0.0	30670.1	0.0
load	N_300085253	constant_power_B_real	61340.2	0.0	30670.1	0.0
load	N_300085253	constant_power_C_real	61340.2	0.0	30670.1	0.0
load	N_300085253	constant_power_A_reac	38015.3	0.0	19007.65	0.0
load	N_300085253	constant_power_B_reac	38015.3	0.0	19007.65	0.0
load	N_300085253	constant_power_C_reac	38015.3	0.0	19007.65	0.0
load	N_300084813	constant_power_A	8284.97	2723.14	4142.485	1361.57
load	N_300084813	constant_power_B	8284.97	2723.14	4142.485	1361.57
load	N_300084813	constant_power_C	8284.97	2723.14	4142.485	1361.57
load	N_300084813	constant_power_A_real	8284.97	0.0	4142.485	0.0
load	N_300084813	constant_power_B_real	8284.97	0.0	4142.485	0.0
load	N_300084813	constant_power_C_real	8284.97	0.0	4142.485	0.0
load	N_300084813	constant_power_A_reac	2723.14	0.0	1361.57	0.0
load	N_300084813	constant_power_B_reac	2723.14	0.0	1361.57	0.0
load	N_300084813	constant_power_C_reac	2723.14	0.0	1361.57	0.0
load	N_300085254	constant_power_A	14768.9	9152.93	7384.45	4576.465
load	N_300085254	constant_power_B	14768.9	9152.93	7384.45	4576.465
load	N_300085254	constant_power_C	14768.9	9152.93	7384.45	4576.465
load	N_300085254	constant_power_A_real	14768.9	0.0	7384.45	0.0
load	N_300085254	constant_power_B_real	14768.9	0.0	7384.45	0.0
load	N_300085254	constant_power_C_real	14768.9	0.0	7384.45	0.0
load	N_300085254	constant_power_A_reac	9152.93	0.0	4576.465	0.0
load	N_300085254	constant_power_B_reac	9152.93	0.0	4576.465	0.0
load	N_300085254	constant_power_C_reac	9152.93	0.0	4576.465	0.0
load	N_300237462	constant_power_A	21465.6	7055.4	10732.8	3527.7
load	N_300237462	constant_power_B	21465.6	7055.4	10732.8	3527.7
load	N_300237462	constant_power_C	21465.6	7055.4	10732.8	3527.7
load	N_300237462	constant_power_A_real	21465.6	0.0	10732.8	0.0
load	N_300237462	constant_power_B_real	21465.6	0.0	10732.8	0.0
load	N_300237462	constant_power_C_real	21465.6	0.0	10732.8	0.0
load	N_300237462	constant_power_A_reac	7055.4	0.0	3527.7	0.0
load	N_300237462	constant_power_B_reac	7055.4	0.0	3527.7	0.0
load	N_300237462	constant_power_C_reac	7055.4	0.0	3527.7	0.0
load	N_300085040	constant_power_A	35666.7	22104.2	17833.35	11052.1
load	N_300085040	constant_power_B	35666.7	22104.2	17833.35	11052.1
load	N_300085040	constant_power_C	35666.7	22104.2	17833.35	11052.1
load	N_300085040	constant_power_A_real	35666.7	0.0	17833.35	0.0
load	N_300085040	constant_power_B_real	35666.7	0.0	17833.35	0.0
load	N_300085040	constant_power_C_real	35666.7	0.0	17833.35	0.0
load	N_300085040	constant_power_A_reac	22104.2	0.0	11052.1	0.0
load	N_300085040	constant_power_B_reac	22104.2	0.0	11052.1	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300085040	constant_power_C_reac	22104.2	0.0	11052.1	0.0
load	N_300085002	constant_power_A	7333.33	4544.79	3666.665	2272.395
load	N_300085002	constant_power_B	7333.33	4544.79	3666.665	2272.395
load	N_300085002	constant_power_C	7333.33	4544.79	3666.665	2272.395
load	N_300085002	constant_power_A_real	7333.33	0.0	3666.665	0.0
load	N_300085002	constant_power_B_real	7333.33	0.0	3666.665	0.0
load	N_300085002	constant_power_C_real	7333.33	0.0	3666.665	0.0
load	N_300085002	constant_power_A_reac	4544.79	0.0	2272.395	0.0
load	N_300085002	constant_power_B_reac	4544.79	0.0	2272.395	0.0
load	N_300085002	constant_power_C_reac	4544.79	0.0	2272.395	0.0
load	N_300085003	constant_power_A	3007.34	1362.7	1503.67	681.35
load	N_300085003	constant_power_B	3007.34	1362.7	1503.67	681.35
load	N_300085003	constant_power_C	3007.34	1362.7	1503.67	681.35
load	N_300085003	constant_power_A_real	3007.34	0.0	1503.67	0.0
load	N_300085003	constant_power_B_real	3007.34	0.0	1503.67	0.0
load	N_300085003	constant_power_C_real	3007.34	0.0	1503.67	0.0
load	N_300085003	constant_power_A_reac	1362.7	0.0	681.35	0.0
load	N_300085003	constant_power_B_reac	1362.7	0.0	681.35	0.0
load	N_300085003	constant_power_C_reac	1362.7	0.0	681.35	0.0
load	N_300085004	constant_power_A	8333.33	5164.54	4166.665	2582.27
load	N_300085004	constant_power_B	8333.33	5164.54	4166.665	2582.27
load	N_300085004	constant_power_C	8333.33	5164.54	4166.665	2582.27
load	N_300085004	constant_power_A_real	8333.33	0.0	4166.665	0.0
load	N_300085004	constant_power_B_real	8333.33	0.0	4166.665	0.0
load	N_300085004	constant_power_C_real	8333.33	0.0	4166.665	0.0
load	N_300085004	constant_power_A_reac	5164.54	0.0	2582.27	0.0
load	N_300085004	constant_power_B_reac	5164.54	0.0	2582.27	0.0
load	N_300085004	constant_power_C_reac	5164.54	0.0	2582.27	0.0
load	N_300085005	constant_power_A	2609.23	857.612	1304.615	428.806
load	N_300085005	constant_power_B	2609.23	857.612	1304.615	428.806
load	N_300085005	constant_power_C	2609.23	857.612	1304.615	428.806
load	N_300085005	constant_power_A_real	2609.23	0.0	1304.615	0.0
load	N_300085005	constant_power_B_real	2609.23	0.0	1304.615	0.0
load	N_300085005	constant_power_C_real	2609.23	0.0	1304.615	0.0
load	N_300085005	constant_power_A_reac	857.612	0.0	428.806	0.0
load	N_300085005	constant_power_B_reac	857.612	0.0	428.806	0.0
load	N_300085005	constant_power_C_reac	857.612	0.0	428.806	0.0
load	N_300085007	constant_power_A	95000.0	58875.7	47500.0	29437.85
load	N_300085007	constant_power_B	95000.0	58875.7	47500.0	29437.85
load	N_300085007	constant_power_C	95000.0	58875.7	47500.0	29437.85
load	N_300085007	constant_power_A_real	95000.0	0.0	47500.0	0.0
load	N_300085007	constant_power_B_real	95000.0	0.0	47500.0	0.0
load	N_300085007	constant_power_C_real	95000.0	0.0	47500.0	0.0
load	N_300085007	constant_power_A_reac	58875.7	0.0	29437.85	0.0
load	N_300085007	constant_power_B_reac	58875.7	0.0	29437.85	0.0
load	N_300085007	constant_power_C_reac	58875.7	0.0	29437.85	0.0
load	N_300052714	constant_power_A	7773.89	2555.15	3886.945	1277.575
load	N_300052714	constant_power_B	7773.89	2555.15	3886.945	1277.575
load	N_300052714	constant_power_C	7773.89	2555.15	3886.945	1277.575
load	N_300052714	constant_power_A_real	7773.89	0.0	3886.945	0.0
load	N_300052714	constant_power_B_real	7773.89	0.0	3886.945	0.0
load	N_300052714	constant_power_C_real	7773.89	0.0	3886.945	0.0
load	N_300052714	constant_power_A_reac	2555.15	0.0	1277.575	0.0
load	N_300052714	constant_power_B_reac	2555.15	0.0	1277.575	0.0
load	N_300052714	constant_power_C_reac	2555.15	0.0	1277.575	0.0
load	N_300229134	constant_power_A	8408.71	2763.81	4204.355	1381.905
load	N_300229134	constant_power_B	8408.71	2763.81	4204.355	1381.905
load	N_300229134	constant_power_C	8408.71	2763.81	4204.355	1381.905
load	N_300229134	constant_power_A_real	8408.71	0.0	4204.355	0.0
load	N_300229134	constant_power_B_real	8408.71	0.0	4204.355	0.0
load	N_300229134	constant_power_C_real	8408.71	0.0	4204.355	0.0
load	N_300229134	constant_power_A_reac	2763.81	0.0	1381.905	0.0
load	N_300229134	constant_power_B_reac	2763.81	0.0	1381.905	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300229134	constant_power_C_reac	2763.81	0.0	1381.905	0.0
load	N_300013275	constant_power_A	32666.7	20245.0	16333.35	10122.5
load	N_300013275	constant_power_B	32666.7	20245.0	16333.35	10122.5
load	N_300013275	constant_power_C	32666.7	20245.0	16333.35	10122.5
load	N_300013275	constant_power_A_real	32666.7	0.0	16333.35	0.0
load	N_300013275	constant_power_B_real	32666.7	0.0	16333.35	0.0
load	N_300013275	constant_power_C_real	32666.7	0.0	16333.35	0.0
load	N_300013275	constant_power_A_reac	20245.0	0.0	10122.5	0.0
load	N_300013275	constant_power_B_reac	20245.0	0.0	10122.5	0.0
load	N_300013275	constant_power_C_reac	20245.0	0.0	10122.5	0.0
load	N_300098059	constant_power_A	3970.33	1304.98	1985.165	652.49
load	N_300098059	constant_power_B	3970.33	1304.98	1985.165	652.49
load	N_300098059	constant_power_A_real	3970.33	0.0	1985.165	0.0
load	N_300098059	constant_power_B_real	3970.33	0.0	1985.165	0.0
load	N_300098059	constant_power_A_reac	1304.98	0.0	652.49	0.0
load	N_300098059	constant_power_B_reac	1304.98	0.0	652.49	0.0
load	N_300084726	constant_power_A	6964.22	2289.03	3482.11	1144.515
load	N_300084726	constant_power_B	6964.22	2289.03	3482.11	1144.515
load	N_300084726	constant_power_A_real	6964.22	0.0	3482.11	0.0
load	N_300084726	constant_power_B_real	6964.22	0.0	3482.11	0.0
load	N_300084726	constant_power_A_reac	2289.03	0.0	1144.515	0.0
load	N_300084726	constant_power_B_reac	2289.03	0.0	1144.515	0.0
load	N_300084724	constant_power_A	16793.2	5519.66	8396.6	2759.83
load	N_300084724	constant_power_B	16793.2	5519.66	8396.6	2759.83
load	N_300084724	constant_power_A_real	16793.2	0.0	8396.6	0.0
load	N_300084724	constant_power_B_real	16793.2	0.0	8396.6	0.0
load	N_300084724	constant_power_A_reac	5519.66	0.0	2759.83	0.0
load	N_300084724	constant_power_B_reac	5519.66	0.0	2759.83	0.0
load	N_300084725	constant_power_A	6558.04	2155.52	3279.02	1077.76
load	N_300084725	constant_power_B	6558.04	2155.52	3279.02	1077.76
load	N_300084725	constant_power_C	6558.04	2155.52	3279.02	1077.76
load	N_300084725	constant_power_A_real	6558.04	0.0	3279.02	0.0
load	N_300084725	constant_power_B_real	6558.04	0.0	3279.02	0.0
load	N_300084725	constant_power_C_real	6558.04	0.0	3279.02	0.0
load	N_300084725	constant_power_A_reac	2155.52	0.0	1077.76	0.0
load	N_300084725	constant_power_B_reac	2155.52	0.0	1077.76	0.0
load	N_300084725	constant_power_C_reac	2155.52	0.0	1077.76	0.0
load	N_300084722	constant_power_A	9188.79	5694.7	4594.395	2847.35
load	N_300084722	constant_power_B	9188.79	5694.7	4594.395	2847.35
load	N_300084722	constant_power_C	9188.79	5694.7	4594.395	2847.35
load	N_300084722	constant_power_A_real	9188.79	0.0	4594.395	0.0
load	N_300084722	constant_power_B_real	9188.79	0.0	4594.395	0.0
load	N_300084722	constant_power_C_real	9188.79	0.0	4594.395	0.0
load	N_300084722	constant_power_A_reac	5694.7	0.0	2847.35	0.0
load	N_300084722	constant_power_B_reac	5694.7	0.0	2847.35	0.0
load	N_300084722	constant_power_C_reac	5694.7	0.0	2847.35	0.0
load	N_300084723	constant_power_A	6127.65	2123.67	3063.825	1061.835
load	N_300084723	constant_power_B	6127.65	2123.67	3063.825	1061.835
load	N_300084723	constant_power_C	6127.65	2123.67	3063.825	1061.835
load	N_300084723	constant_power_A_real	6127.65	0.0	3063.825	0.0
load	N_300084723	constant_power_B_real	6127.65	0.0	3063.825	0.0
load	N_300084723	constant_power_C_real	6127.65	0.0	3063.825	0.0
load	N_300084723	constant_power_A_reac	2123.67	0.0	1061.835	0.0
load	N_300084723	constant_power_B_reac	2123.67	0.0	1061.835	0.0
load	N_300084723	constant_power_C_reac	2123.67	0.0	1061.835	0.0
load	N_300084720	constant_power_A	4330.78	1423.46	2165.39	711.73
load	N_300084720	constant_power_B	4330.78	1423.46	2165.39	711.73
load	N_300084720	constant_power_C	4330.78	1423.46	2165.39	711.73
load	N_300084720	constant_power_A_real	4330.78	0.0	2165.39	0.0
load	N_300084720	constant_power_B_real	4330.78	0.0	2165.39	0.0
load	N_300084720	constant_power_C_real	4330.78	0.0	2165.39	0.0
load	N_300084720	constant_power_A_reac	1423.46	0.0	711.73	0.0
load	N_300084720	constant_power_B_reac	1423.46	0.0	711.73	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084720	constant_power_C_reac	1423.46	0.0	711.73	0.0
load	N_300084721	constant_power_A	19270.6	6333.95	9635.3	3166.975
load	N_300084721	constant_power_B	19270.6	6333.95	9635.3	3166.975
load	N_300084721	constant_power_A_real	19270.6	0.0	9635.3	0.0
load	N_300084721	constant_power_B_real	19270.6	0.0	9635.3	0.0
load	N_300084721	constant_power_A_reac	6333.95	0.0	3166.975	0.0
load	N_300084721	constant_power_B_reac	6333.95	0.0	3166.975	0.0
load	N_300215134	constant_power_A	18695.0	11586.1	9347.5	5793.05
load	N_300215134	constant_power_B	18695.0	11586.1	9347.5	5793.05
load	N_300215134	constant_power_C	18695.0	11586.1	9347.5	5793.05
load	N_300215134	constant_power_A_real	18695.0	0.0	9347.5	0.0
load	N_300215134	constant_power_B_real	18695.0	0.0	9347.5	0.0
load	N_300215134	constant_power_C_real	18695.0	0.0	9347.5	0.0
load	N_300215134	constant_power_A_reac	11586.1	0.0	5793.05	0.0
load	N_300215134	constant_power_B_reac	11586.1	0.0	5793.05	0.0
load	N_300215134	constant_power_C_reac	11586.1	0.0	5793.05	0.0
load	N_300084729	constant_power_A	18794.5	6177.46	9397.25	3088.73
load	N_300084729	constant_power_B	18794.5	6177.46	9397.25	3088.73
load	N_300084729	constant_power_A_real	18794.5	0.0	9397.25	0.0
load	N_300084729	constant_power_B_real	18794.5	0.0	9397.25	0.0
load	N_300084729	constant_power_A_reac	6177.46	0.0	3088.73	0.0
load	N_300084729	constant_power_B_reac	6177.46	0.0	3088.73	0.0
load	N_300015496	constant_power_A	19068.9	6514.26	9534.45	3257.13
load	N_300015496	constant_power_B	19068.9	6514.26	9534.45	3257.13
load	N_300015496	constant_power_A_real	19068.9	0.0	9534.45	0.0
load	N_300015496	constant_power_B_real	19068.9	0.0	9534.45	0.0
load	N_300015496	constant_power_A_reac	6514.26	0.0	3257.13	0.0
load	N_300015496	constant_power_B_reac	6514.26	0.0	3257.13	0.0
load	N_300084678	constant_power_A	13694.4	4501.14	6847.2	2250.57
load	N_300084678	constant_power_B	13694.4	4501.14	6847.2	2250.57
load	N_300084678	constant_power_A_real	13694.4	0.0	6847.2	0.0
load	N_300084678	constant_power_B_real	13694.4	0.0	6847.2	0.0
load	N_300084678	constant_power_A_reac	4501.14	0.0	2250.57	0.0
load	N_300084678	constant_power_B_reac	4501.14	0.0	2250.57	0.0
load	N_300229164	constant_power_A	22283.3	7324.18	11141.65	3662.09
load	N_300229164	constant_power_B	22283.3	7324.18	11141.65	3662.09
load	N_300229164	constant_power_C	22283.3	7324.18	11141.65	3662.09
load	N_300229164	constant_power_A_real	22283.3	0.0	11141.65	0.0
load	N_300229164	constant_power_B_real	22283.3	0.0	11141.65	0.0
load	N_300229164	constant_power_C_real	22283.3	0.0	11141.65	0.0
load	N_300229164	constant_power_A_reac	7324.18	0.0	3662.09	0.0
load	N_300229164	constant_power_B_reac	7324.18	0.0	3662.09	0.0
load	N_300229164	constant_power_C_reac	7324.18	0.0	3662.09	0.0
load	N_300084716	constant_power_A	11238.5	3693.92	5619.25	1846.96
load	N_300084716	constant_power_B	11238.5	3693.92	5619.25	1846.96
load	N_300084716	constant_power_C	11238.5	3693.92	5619.25	1846.96
load	N_300084716	constant_power_A_real	11238.5	0.0	5619.25	0.0
load	N_300084716	constant_power_B_real	11238.5	0.0	5619.25	0.0
load	N_300084716	constant_power_C_real	11238.5	0.0	5619.25	0.0
load	N_300084716	constant_power_A_reac	3693.92	0.0	1846.96	0.0
load	N_300084716	constant_power_B_reac	3693.92	0.0	1846.96	0.0
load	N_300084716	constant_power_C_reac	3693.92	0.0	1846.96	0.0
load	N_300084624	constant_power_A	6738.26	2214.76	3369.13	1107.38
load	N_300084624	constant_power_B	6738.26	2214.76	3369.13	1107.38
load	N_300084624	constant_power_A_real	6738.26	0.0	3369.13	0.0
load	N_300084624	constant_power_B_real	6738.26	0.0	3369.13	0.0
load	N_300084624	constant_power_A_reac	2214.76	0.0	1107.38	0.0
load	N_300084624	constant_power_B_reac	2214.76	0.0	1107.38	0.0
load	N_300084618	constant_power_A	9296.38	3055.57	4648.19	1527.785
load	N_300084618	constant_power_B	9296.38	3055.57	4648.19	1527.785
load	N_300084618	constant_power_A_real	9296.38	0.0	4648.19	0.0
load	N_300084618	constant_power_B_real	9296.38	0.0	4648.19	0.0
load	N_300084618	constant_power_A_reac	3055.57	0.0	1527.785	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084618	constant_power_B_reac	3055.57	0.0	1527.785	0.0
load	N_300017761	constant_power_A	6827.03	2243.94	3413.515	1121.97
load	N_300017761	constant_power_B	6827.03	2243.94	3413.515	1121.97
load	N_300017761	constant_power_A_real	6827.03	0.0	3413.515	0.0
load	N_300017761	constant_power_B_real	6827.03	0.0	3413.515	0.0
load	N_300017761	constant_power_A_reac	2243.94	0.0	1121.97	0.0
load	N_300017761	constant_power_B_reac	2243.94	0.0	1121.97	0.0
load	N_300084688	constant_power_A	12744.9	4358.15	6372.45	2179.075
load	N_300084688	constant_power_B	12744.9	4358.15	6372.45	2179.075
load	N_300084688	constant_power_C	12744.9	4358.15	6372.45	2179.075
load	N_300084688	constant_power_A_real	12744.9	0.0	6372.45	0.0
load	N_300084688	constant_power_B_real	12744.9	0.0	6372.45	0.0
load	N_300084688	constant_power_C_real	12744.9	0.0	6372.45	0.0
load	N_300084688	constant_power_A_reac	4358.15	0.0	2179.075	0.0
load	N_300084688	constant_power_B_reac	4358.15	0.0	2179.075	0.0
load	N_300084688	constant_power_C_reac	4358.15	0.0	2179.075	0.0
load	N_300084749	constant_power_B	6052.33	1989.31	3026.165	994.655
load	N_300084749	constant_power_C	6052.33	1989.31	3026.165	994.655
load	N_300084749	constant_power_B_real	6052.33	0.0	3026.165	0.0
load	N_300084749	constant_power_C_real	6052.33	0.0	3026.165	0.0
load	N_300084749	constant_power_B_reac	1989.31	0.0	994.655	0.0
load	N_300084749	constant_power_C_reac	1989.31	0.0	994.655	0.0
load	N_300085035	constant_power_A	21845.9	13538.9	10922.95	6769.45
load	N_300085035	constant_power_B	21845.9	13538.9	10922.95	6769.45
load	N_300085035	constant_power_C	21845.9	13538.9	10922.95	6769.45
load	N_300085035	constant_power_A_real	21845.9	0.0	10922.95	0.0
load	N_300085035	constant_power_B_real	21845.9	0.0	10922.95	0.0
load	N_300085035	constant_power_C_real	21845.9	0.0	10922.95	0.0
load	N_300085035	constant_power_A_reac	13538.9	0.0	6769.45	0.0
load	N_300085035	constant_power_B_reac	13538.9	0.0	6769.45	0.0
load	N_300085035	constant_power_C_reac	13538.9	0.0	6769.45	0.0
load	N_300085034	constant_power_A	59465.1	36853.1	29732.55	18426.55
load	N_300085034	constant_power_B	59465.1	36853.1	29732.55	18426.55
load	N_300085034	constant_power_C	59465.1	36853.1	29732.55	18426.55
load	N_300085034	constant_power_A_real	59465.1	0.0	29732.55	0.0
load	N_300085034	constant_power_B_real	59465.1	0.0	29732.55	0.0
load	N_300085034	constant_power_C_real	59465.1	0.0	29732.55	0.0
load	N_300085034	constant_power_A_reac	36853.1	0.0	18426.55	0.0
load	N_300085034	constant_power_B_reac	36853.1	0.0	18426.55	0.0
load	N_300085034	constant_power_C_reac	36853.1	0.0	18426.55	0.0
load	N_300084686	constant_power_A	57983.3	31448.6	28991.65	15724.3
load	N_300084686	constant_power_B	57983.3	31448.6	28991.65	15724.3
load	N_300084686	constant_power_C	57983.3	31448.6	28991.65	15724.3
load	N_300084686	constant_power_A_real	57983.3	0.0	28991.65	0.0
load	N_300084686	constant_power_B_real	57983.3	0.0	28991.65	0.0
load	N_300084686	constant_power_C_real	57983.3	0.0	28991.65	0.0
load	N_300084686	constant_power_A_reac	31448.6	0.0	15724.3	0.0
load	N_300084686	constant_power_B_reac	31448.6	0.0	15724.3	0.0
load	N_300084686	constant_power_C_reac	31448.6	0.0	15724.3	0.0
load	N_300084681	constant_power_A	18333.3	11362.0	9166.65	5681.0
load	N_300084681	constant_power_B	18333.3	11362.0	9166.65	5681.0
load	N_300084681	constant_power_C	18333.3	11362.0	9166.65	5681.0
load	N_300084681	constant_power_A_real	18333.3	0.0	9166.65	0.0
load	N_300084681	constant_power_B_real	18333.3	0.0	9166.65	0.0
load	N_300084681	constant_power_C_real	18333.3	0.0	9166.65	0.0
load	N_300084681	constant_power_A_reac	11362.0	0.0	5681.0	0.0
load	N_300084681	constant_power_B_reac	11362.0	0.0	5681.0	0.0
load	N_300084681	constant_power_C_reac	11362.0	0.0	5681.0	0.0
load	N_300085030	constant_power_A	22491.8	13939.2	11245.9	6969.6
load	N_300085030	constant_power_B	22491.8	13939.2	11245.9	6969.6
load	N_300085030	constant_power_C	22491.8	13939.2	11245.9	6969.6
load	N_300085030	constant_power_A_real	22491.8	0.0	11245.9	0.0
load	N_300085030	constant_power_B_real	22491.8	0.0	11245.9	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300085030	constant_power_C_real	22491.8	0.0	11245.9	0.0
load	N_300085030	constant_power_A_reac	13939.2	0.0	6969.6	0.0
load	N_300085030	constant_power_B_reac	13939.2	0.0	6969.6	0.0
load	N_300085030	constant_power_C_reac	13939.2	0.0	6969.6	0.0
load	N_300085033	constant_power_A	40132.6	24871.9	20066.3	12435.95
load	N_300085033	constant_power_B	40132.6	24871.9	20066.3	12435.95
load	N_300085033	constant_power_C	40132.6	24871.9	20066.3	12435.95
load	N_300085033	constant_power_A_real	40132.6	0.0	20066.3	0.0
load	N_300085033	constant_power_B_real	40132.6	0.0	20066.3	0.0
load	N_300085033	constant_power_C_real	40132.6	0.0	20066.3	0.0
load	N_300085033	constant_power_A_reac	24871.9	0.0	12435.95	0.0
load	N_300085033	constant_power_B_reac	24871.9	0.0	12435.95	0.0
load	N_300085033	constant_power_C_reac	24871.9	0.0	12435.95	0.0
load	N_300084682	constant_power_A	13815.5	4540.92	6907.75	2270.46
load	N_300084682	constant_power_B	13815.5	4540.92	6907.75	2270.46
load	N_300084682	constant_power_C	13815.5	4540.92	6907.75	2270.46
load	N_300084682	constant_power_A_real	13815.5	0.0	6907.75	0.0
load	N_300084682	constant_power_B_real	13815.5	0.0	6907.75	0.0
load	N_300084682	constant_power_C_real	13815.5	0.0	6907.75	0.0
load	N_300084682	constant_power_A_reac	4540.92	0.0	2270.46	0.0
load	N_300084682	constant_power_B_reac	4540.92	0.0	2270.46	0.0
load	N_300084682	constant_power_C_reac	4540.92	0.0	2270.46	0.0
load	N_300084719	constant_power_A	129.116	80.0191	64.558	40.00955
load	N_300084719	constant_power_B	129.116	80.0191	64.558	40.00955
load	N_300084719	constant_power_C	129.116	80.0191	64.558	40.00955
load	N_300084719	constant_power_A_real	129.116	0.0	64.558	0.0
load	N_300084719	constant_power_B_real	129.116	0.0	64.558	0.0
load	N_300084719	constant_power_C_real	129.116	0.0	64.558	0.0
load	N_300084719	constant_power_A_reac	80.0191	0.0	40.00955	0.0
load	N_300084719	constant_power_B_reac	80.0191	0.0	40.00955	0.0
load	N_300084719	constant_power_C_reac	80.0191	0.0	40.00955	0.0
load	N_300232258	constant_power_A	3362.41	1105.17	1681.205	552.585
load	N_300232258	constant_power_B	3362.41	1105.17	1681.205	552.585
load	N_300232258	constant_power_C	3362.41	1105.17	1681.205	552.585
load	N_300232258	constant_power_A_real	3362.41	0.0	1681.205	0.0
load	N_300232258	constant_power_B_real	3362.41	0.0	1681.205	0.0
load	N_300232258	constant_power_C_real	3362.41	0.0	1681.205	0.0
load	N_300232258	constant_power_A_reac	1105.17	0.0	552.585	0.0
load	N_300232258	constant_power_B_reac	1105.17	0.0	552.585	0.0
load	N_300232258	constant_power_C_reac	1105.17	0.0	552.585	0.0
load	N_300009356	constant_power_A	11442.9	3761.11	5721.45	1880.555
load	N_300009356	constant_power_B	11442.9	3761.11	5721.45	1880.555
load	N_300009356	constant_power_A_real	11442.9	0.0	5721.45	0.0
load	N_300009356	constant_power_B_real	11442.9	0.0	5721.45	0.0
load	N_300009356	constant_power_A_reac	3761.11	0.0	1880.555	0.0
load	N_300009356	constant_power_B_reac	3761.11	0.0	1880.555	0.0
load	N_300100075	constant_power_A	6310.57	2116.46	3155.285	1058.23
load	N_300100075	constant_power_B	6310.57	2116.46	3155.285	1058.23
load	N_300100075	constant_power_C	6310.57	2116.46	3155.285	1058.23
load	N_300100075	constant_power_A_real	6310.57	0.0	3155.285	0.0
load	N_300100075	constant_power_B_real	6310.57	0.0	3155.285	0.0
load	N_300100075	constant_power_C_real	6310.57	0.0	3155.285	0.0
load	N_300100075	constant_power_A_reac	2116.46	0.0	1058.23	0.0
load	N_300100075	constant_power_B_reac	2116.46	0.0	1058.23	0.0
load	N_300100075	constant_power_C_reac	2116.46	0.0	1058.23	0.0
load	N_300034994	constant_power_A	8015.98	2634.72	4007.99	1317.36
load	N_300034994	constant_power_B	8015.98	2634.72	4007.99	1317.36
load	N_300034994	constant_power_C	8015.98	2634.72	4007.99	1317.36
load	N_300034994	constant_power_A_real	8015.98	0.0	4007.99	0.0
load	N_300034994	constant_power_B_real	8015.98	0.0	4007.99	0.0
load	N_300034994	constant_power_C_real	8015.98	0.0	4007.99	0.0
load	N_300034994	constant_power_A_reac	2634.72	0.0	1317.36	0.0
load	N_300034994	constant_power_B_reac	2634.72	0.0	1317.36	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300034994	constant_power_C_reac	2634.72	0.0	1317.36	0.0
load	N_300084619	constant_power_A	7004.57	2302.29	3502.285	1151.145
load	N_300084619	constant_power_B	7004.57	2302.29	3502.285	1151.145
load	N_300084619	constant_power_C	7004.57	2302.29	3502.285	1151.145
load	N_300084619	constant_power_A_real	7004.57	0.0	3502.285	0.0
load	N_300084619	constant_power_B_real	7004.57	0.0	3502.285	0.0
load	N_300084619	constant_power_C_real	7004.57	0.0	3502.285	0.0
load	N_300084619	constant_power_A_reac	2302.29	0.0	1151.145	0.0
load	N_300084619	constant_power_B_reac	2302.29	0.0	1151.145	0.0
load	N_300084619	constant_power_C_reac	2302.29	0.0	1151.145	0.0
load	N_300229111	constant_power_A	13584.1	4464.89	6792.05	2232.445
load	N_300229111	constant_power_B	13584.1	4464.89	6792.05	2232.445
load	N_300229111	constant_power_C	13584.1	4464.89	6792.05	2232.445
load	N_300229111	constant_power_A_real	13584.1	0.0	6792.05	0.0
load	N_300229111	constant_power_B_real	13584.1	0.0	6792.05	0.0
load	N_300229111	constant_power_C_real	13584.1	0.0	6792.05	0.0
load	N_300229111	constant_power_A_reac	4464.89	0.0	2232.445	0.0
load	N_300229111	constant_power_B_reac	4464.89	0.0	2232.445	0.0
load	N_300229111	constant_power_C_reac	4464.89	0.0	2232.445	0.0
load	N_300009268	constant_power_B	13113.4	4608.46	6556.7	2304.23
load	N_300009268	constant_power_C	13113.4	4608.46	6556.7	2304.23
load	N_300009268	constant_power_B_real	13113.4	0.0	6556.7	0.0
load	N_300009268	constant_power_C_real	13113.4	0.0	6556.7	0.0
load	N_300009268	constant_power_B_reac	4608.46	0.0	2304.23	0.0
load	N_300009268	constant_power_C_reac	4608.46	0.0	2304.23	0.0
load	N_300100077	constant_power_A	2200.36	900.165	1100.18	450.0825
load	N_300100077	constant_power_B	2200.36	900.165	1100.18	450.0825
load	N_300100077	constant_power_C	2200.36	900.165	1100.18	450.0825
load	N_300100077	constant_power_A_real	2200.36	0.0	1100.18	0.0
load	N_300100077	constant_power_B_real	2200.36	0.0	1100.18	0.0
load	N_300100077	constant_power_C_real	2200.36	0.0	1100.18	0.0
load	N_300100077	constant_power_A_reac	900.165	0.0	450.0825	0.0
load	N_300100077	constant_power_B_reac	900.165	0.0	450.0825	0.0
load	N_300100077	constant_power_C_reac	900.165	0.0	450.0825	0.0
load	N_300084616	constant_power_A	9635.31	3166.97	4817.655	1583.485
load	N_300084616	constant_power_B	9635.31	3166.97	4817.655	1583.485
load	N_300084616	constant_power_A_real	9635.31	0.0	4817.655	0.0
load	N_300084616	constant_power_B_real	9635.31	0.0	4817.655	0.0
load	N_300084616	constant_power_A_reac	3166.97	0.0	1583.485	0.0
load	N_300084616	constant_power_B_reac	3166.97	0.0	1583.485	0.0
load	N_300084617	constant_power_A	9586.9	3151.06	4793.45	1575.53
load	N_300084617	constant_power_B	9586.9	3151.06	4793.45	1575.53
load	N_300084617	constant_power_A_real	9586.9	0.0	4793.45	0.0
load	N_300084617	constant_power_B_real	9586.9	0.0	4793.45	0.0
load	N_300084617	constant_power_A_reac	3151.06	0.0	1575.53	0.0
load	N_300084617	constant_power_B_reac	3151.06	0.0	1575.53	0.0
load	N_300229118	constant_power_A	22891.3	7524.0	11445.65	3762.0
load	N_300229118	constant_power_B	22891.3	7524.0	11445.65	3762.0
load	N_300229118	constant_power_C	22891.3	7524.0	11445.65	3762.0
load	N_300229118	constant_power_A_real	22891.3	0.0	11445.65	0.0
load	N_300229118	constant_power_B_real	22891.3	0.0	11445.65	0.0
load	N_300229118	constant_power_C_real	22891.3	0.0	11445.65	0.0
load	N_300229118	constant_power_A_reac	7524.0	0.0	3762.0	0.0
load	N_300229118	constant_power_B_reac	7524.0	0.0	3762.0	0.0
load	N_300229118	constant_power_C_reac	7524.0	0.0	3762.0	0.0
load	N_300084751	constant_power_B	14477.2	4758.42	7238.6	2379.21
load	N_300084751	constant_power_C	14477.2	4758.42	7238.6	2379.21
load	N_300084751	constant_power_B_real	14477.2	0.0	7238.6	0.0
load	N_300084751	constant_power_C_real	14477.2	0.0	7238.6	0.0
load	N_300084751	constant_power_B_reac	4758.42	0.0	2379.21	0.0
load	N_300084751	constant_power_C_reac	4758.42	0.0	2379.21	0.0
load	N_300017813	constant_power_A	18000.0	11155.4	9000.0	5577.7
load	N_300017813	constant_power_B	18000.0	11155.4	9000.0	5577.7

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300017813	constant_power_C	18000.0	11155.4	9000.0	5577.7
load	N_300017813	constant_power_A_real	18000.0	0.0	9000.0	0.0
load	N_300017813	constant_power_B_real	18000.0	0.0	9000.0	0.0
load	N_300017813	constant_power_C_real	18000.0	0.0	9000.0	0.0
load	N_300017813	constant_power_A_reac	11155.4	0.0	5577.7	0.0
load	N_300017813	constant_power_B_reac	11155.4	0.0	5577.7	0.0
load	N_300017813	constant_power_C_reac	11155.4	0.0	5577.7	0.0
load	N_300084707	constant_power_A	10770.5	3540.08	5385.25	1770.04
load	N_300084707	constant_power_B	10770.5	3540.08	5385.25	1770.04
load	N_300084707	constant_power_C	10770.5	3540.08	5385.25	1770.04
load	N_300084707	constant_power_A_real	10770.5	0.0	5385.25	0.0
load	N_300084707	constant_power_B_real	10770.5	0.0	5385.25	0.0
load	N_300084707	constant_power_C_real	10770.5	0.0	5385.25	0.0
load	N_300084707	constant_power_A_reac	3540.08	0.0	1770.04	0.0
load	N_300084707	constant_power_B_reac	3540.08	0.0	1770.04	0.0
load	N_300084707	constant_power_C_reac	3540.08	0.0	1770.04	0.0
load	N_300084712	constant_power_A	2025.51	665.754	1012.755	332.877
load	N_300084712	constant_power_B	2025.51	665.754	1012.755	332.877
load	N_300084712	constant_power_A_real	2025.51	0.0	1012.755	0.0
load	N_300084712	constant_power_B_real	2025.51	0.0	1012.755	0.0
load	N_300084712	constant_power_A_reac	665.754	0.0	332.877	0.0
load	N_300084712	constant_power_B_reac	665.754	0.0	332.877	0.0
load	N_300084692	constant_power_A	11529.0	3789.41	5764.5	1894.705
load	N_300084692	constant_power_B	11529.0	3789.41	5764.5	1894.705
load	N_300084692	constant_power_C	11529.0	3789.41	5764.5	1894.705
load	N_300084692	constant_power_A_real	11529.0	0.0	5764.5	0.0
load	N_300084692	constant_power_B_real	11529.0	0.0	5764.5	0.0
load	N_300084692	constant_power_C_real	11529.0	0.0	5764.5	0.0
load	N_300084692	constant_power_A_reac	3789.41	0.0	1894.705	0.0
load	N_300084692	constant_power_B_reac	3789.41	0.0	1894.705	0.0
load	N_300084692	constant_power_C_reac	3789.41	0.0	1894.705	0.0
load	N_300084693	constant_power_A	13051.5	4289.83	6525.75	2144.915
load	N_300084693	constant_power_B	13051.5	4289.83	6525.75	2144.915
load	N_300084693	constant_power_C	13051.5	4289.83	6525.75	2144.915
load	N_300084693	constant_power_A_real	13051.5	0.0	6525.75	0.0
load	N_300084693	constant_power_B_real	13051.5	0.0	6525.75	0.0
load	N_300084693	constant_power_C_real	13051.5	0.0	6525.75	0.0
load	N_300084693	constant_power_A_reac	4289.83	0.0	2144.915	0.0
load	N_300084693	constant_power_B_reac	4289.83	0.0	2144.915	0.0
load	N_300084693	constant_power_C_reac	4289.83	0.0	2144.915	0.0
load	N_300084690	constant_power_A	14477.2	4758.42	7238.6	2379.21
load	N_300084690	constant_power_B	14477.2	4758.42	7238.6	2379.21
load	N_300084690	constant_power_C	14477.2	4758.42	7238.6	2379.21
load	N_300084690	constant_power_A_real	14477.2	0.0	7238.6	0.0
load	N_300084690	constant_power_B_real	14477.2	0.0	7238.6	0.0
load	N_300084690	constant_power_C_real	14477.2	0.0	7238.6	0.0
load	N_300084690	constant_power_A_reac	4758.42	0.0	2379.21	0.0
load	N_300084690	constant_power_B_reac	4758.42	0.0	2379.21	0.0
load	N_300084690	constant_power_C_reac	4758.42	0.0	2379.21	0.0
load	N_300084697	constant_power_A	4459.9	2764.0	2229.95	1382.0
load	N_300084697	constant_power_B	4459.9	2764.0	2229.95	1382.0
load	N_300084697	constant_power_C	4459.9	2764.0	2229.95	1382.0
load	N_300084697	constant_power_A_real	4459.9	0.0	2229.95	0.0
load	N_300084697	constant_power_B_real	4459.9	0.0	2229.95	0.0
load	N_300084697	constant_power_C_real	4459.9	0.0	2229.95	0.0
load	N_300084697	constant_power_A_reac	2764.0	0.0	1382.0	0.0
load	N_300084697	constant_power_B_reac	2764.0	0.0	1382.0	0.0
load	N_300084697	constant_power_C_reac	2764.0	0.0	1382.0	0.0
load	N_300084694	constant_power_A	2808.28	1740.42	1404.14	870.21
load	N_300084694	constant_power_B	2808.28	1740.42	1404.14	870.21
load	N_300084694	constant_power_C	2808.28	1740.42	1404.14	870.21
load	N_300084694	constant_power_A_real	2808.28	0.0	1404.14	0.0
load	N_300084694	constant_power_B_real	2808.28	0.0	1404.14	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084694	constant_power_C_real	2808.28	0.0	1404.14	0.0
load	N_300084694	constant_power_A_reac	1740.42	0.0	870.21	0.0
load	N_300084694	constant_power_B_reac	1740.42	0.0	870.21	0.0
load	N_300084694	constant_power_C_reac	1740.42	0.0	870.21	0.0
load	N_300085025	constant_power_A	58546.3	36283.7	29273.15	18141.85
load	N_300085025	constant_power_B	58546.3	36283.7	29273.15	18141.85
load	N_300085025	constant_power_C	58546.3	36283.7	29273.15	18141.85
load	N_300085025	constant_power_A_real	58546.3	0.0	29273.15	0.0
load	N_300085025	constant_power_B_real	58546.3	0.0	29273.15	0.0
load	N_300085025	constant_power_C_real	58546.3	0.0	29273.15	0.0
load	N_300085025	constant_power_A_reac	36283.7	0.0	18141.85	0.0
load	N_300085025	constant_power_B_reac	36283.7	0.0	18141.85	0.0
load	N_300085025	constant_power_C_reac	36283.7	0.0	18141.85	0.0
load	N_300085028	constant_power_A	35448.3	21968.9	17724.15	10984.45
load	N_300085028	constant_power_B	35448.3	21968.9	17724.15	10984.45
load	N_300085028	constant_power_C	35448.3	21968.9	17724.15	10984.45
load	N_300085028	constant_power_A_real	35448.3	0.0	17724.15	0.0
load	N_300085028	constant_power_B_real	35448.3	0.0	17724.15	0.0
load	N_300085028	constant_power_C_real	35448.3	0.0	17724.15	0.0
load	N_300085028	constant_power_A_reac	21968.9	0.0	10984.45	0.0
load	N_300085028	constant_power_B_reac	21968.9	0.0	10984.45	0.0
load	N_300085028	constant_power_C_reac	21968.9	0.0	10984.45	0.0
load	N_300229155	constant_power_A	19033.9	6256.15	9516.95	3128.075
load	N_300229155	constant_power_B	19033.9	6256.15	9516.95	3128.075
load	N_300229155	constant_power_C	19033.9	6256.15	9516.95	3128.075
load	N_300229155	constant_power_A_real	19033.9	0.0	9516.95	0.0
load	N_300229155	constant_power_B_real	19033.9	0.0	9516.95	0.0
load	N_300229155	constant_power_C_real	19033.9	0.0	9516.95	0.0
load	N_300229155	constant_power_A_reac	6256.15	0.0	3128.075	0.0
load	N_300229155	constant_power_B_reac	6256.15	0.0	3128.075	0.0
load	N_300229155	constant_power_C_reac	6256.15	0.0	3128.075	0.0
load	N_300084781	constant_power_A	3833.14	1259.89	1916.57	629.945
load	N_300084781	constant_power_B	3833.14	1259.89	1916.57	629.945
load	N_300084781	constant_power_A_real	3833.14	0.0	1916.57	0.0
load	N_300084781	constant_power_B_real	3833.14	0.0	1916.57	0.0
load	N_300084781	constant_power_A_reac	1259.89	0.0	629.945	0.0
load	N_300084781	constant_power_B_reac	1259.89	0.0	629.945	0.0
load	N_300016318	constant_power_A	930.714	576.805	465.357	288.4025
load	N_300016318	constant_power_B	930.714	576.805	465.357	288.4025
load	N_300016318	constant_power_C	930.714	576.805	465.357	288.4025
load	N_300016318	constant_power_A_real	930.714	0.0	465.357	0.0
load	N_300016318	constant_power_B_real	930.714	0.0	465.357	0.0
load	N_300016318	constant_power_C_real	930.714	0.0	465.357	0.0
load	N_300016318	constant_power_A_reac	576.805	0.0	288.4025	0.0
load	N_300016318	constant_power_B_reac	576.805	0.0	288.4025	0.0
load	N_300016318	constant_power_C_reac	576.805	0.0	288.4025	0.0
load	N_300229419	constant_power_A	22025.1	8332.28	11012.55	4166.14
load	N_300229419	constant_power_B	22025.1	8332.28	11012.55	4166.14
load	N_300229419	constant_power_C	22025.1	8332.28	11012.55	4166.14
load	N_300229419	constant_power_A_real	22025.1	0.0	11012.55	0.0
load	N_300229419	constant_power_B_real	22025.1	0.0	11012.55	0.0
load	N_300229419	constant_power_C_real	22025.1	0.0	11012.55	0.0
load	N_300229419	constant_power_A_reac	8332.28	0.0	4166.14	0.0
load	N_300229419	constant_power_B_reac	8332.28	0.0	4166.14	0.0
load	N_300229419	constant_power_C_reac	8332.28	0.0	4166.14	0.0
load	N_300035536	constant_power_A	5928.6	1948.64	2964.3	974.32
load	N_300035536	constant_power_B	5928.6	1948.64	2964.3	974.32
load	N_300035536	constant_power_C	5928.6	1948.64	2964.3	974.32
load	N_300035536	constant_power_A_real	5928.6	0.0	2964.3	0.0
load	N_300035536	constant_power_B_real	5928.6	0.0	2964.3	0.0
load	N_300035536	constant_power_C_real	5928.6	0.0	2964.3	0.0
load	N_300035536	constant_power_A_reac	1948.64	0.0	974.32	0.0
load	N_300035536	constant_power_B_reac	1948.64	0.0	974.32	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300035536	constant_power_C_reac	1948.64	0.0	974.32	0.0
load	N_300084669	constant_power_A	24795.7	8149.96	12397.85	4074.98
load	N_300084669	constant_power_B	24795.7	8149.96	12397.85	4074.98
load	N_300084669	constant_power_C	24795.7	8149.96	12397.85	4074.98
load	N_300084669	constant_power_A_real	24795.7	0.0	12397.85	0.0
load	N_300084669	constant_power_B_real	24795.7	0.0	12397.85	0.0
load	N_300084669	constant_power_C_real	24795.7	0.0	12397.85	0.0
load	N_300084669	constant_power_A_reac	8149.96	0.0	4074.98	0.0
load	N_300084669	constant_power_B_reac	8149.96	0.0	4074.98	0.0
load	N_300084669	constant_power_C_reac	8149.96	0.0	4074.98	0.0
load	N_300084667	constant_power_A	23875.8	7847.59	11937.9	3923.795
load	N_300084667	constant_power_B	23875.8	7847.59	11937.9	3923.795
load	N_300084667	constant_power_C	23875.8	7847.59	11937.9	3923.795
load	N_300084667	constant_power_A_real	23875.8	0.0	11937.9	0.0
load	N_300084667	constant_power_B_real	23875.8	0.0	11937.9	0.0
load	N_300084667	constant_power_C_real	23875.8	0.0	11937.9	0.0
load	N_300084667	constant_power_A_reac	7847.59	0.0	3923.795	0.0
load	N_300084667	constant_power_B_reac	7847.59	0.0	3923.795	0.0
load	N_300084667	constant_power_C_reac	7847.59	0.0	3923.795	0.0
load	N_300084666	constant_power_A	13422.7	4411.84	6711.35	2205.92
load	N_300084666	constant_power_B	13422.7	4411.84	6711.35	2205.92
load	N_300084666	constant_power_C	13422.7	4411.84	6711.35	2205.92
load	N_300084666	constant_power_A_real	13422.7	0.0	6711.35	0.0
load	N_300084666	constant_power_B_real	13422.7	0.0	6711.35	0.0
load	N_300084666	constant_power_C_real	13422.7	0.0	6711.35	0.0
load	N_300084666	constant_power_A_reac	4411.84	0.0	2205.92	0.0
load	N_300084666	constant_power_B_reac	4411.84	0.0	2205.92	0.0
load	N_300084666	constant_power_C_reac	4411.84	0.0	2205.92	0.0
load	N_300084917	constant_power_A	3577.6	1175.9	1788.8	587.95
load	N_300084917	constant_power_B	3577.6	1175.9	1788.8	587.95
load	N_300084917	constant_power_C	3577.6	1175.9	1788.8	587.95
load	N_300084917	constant_power_A_real	3577.6	0.0	1788.8	0.0
load	N_300084917	constant_power_B_real	3577.6	0.0	1788.8	0.0
load	N_300084917	constant_power_C_real	3577.6	0.0	1788.8	0.0
load	N_300084917	constant_power_A_reac	1175.9	0.0	587.95	0.0
load	N_300084917	constant_power_B_reac	1175.9	0.0	587.95	0.0
load	N_300084917	constant_power_C_reac	1175.9	0.0	587.95	0.0
load	N_300084664	constant_power_A	15956.6	5244.69	7978.3	2622.345
load	N_300084664	constant_power_B	15956.6	5244.69	7978.3	2622.345
load	N_300084664	constant_power_C	15956.6	5244.69	7978.3	2622.345
load	N_300084664	constant_power_A_real	15956.6	0.0	7978.3	0.0
load	N_300084664	constant_power_B_real	15956.6	0.0	7978.3	0.0
load	N_300084664	constant_power_C_real	15956.6	0.0	7978.3	0.0
load	N_300084664	constant_power_A_reac	5244.69	0.0	2622.345	0.0
load	N_300084664	constant_power_B_reac	5244.69	0.0	2622.345	0.0
load	N_300084664	constant_power_C_reac	5244.69	0.0	2622.345	0.0
load	N_300084663	constant_power_A	12917.0	4245.62	6458.5	2122.81
load	N_300084663	constant_power_B	12917.0	4245.62	6458.5	2122.81
load	N_300084663	constant_power_C	12917.0	4245.62	6458.5	2122.81
load	N_300084663	constant_power_A_real	12917.0	0.0	6458.5	0.0
load	N_300084663	constant_power_B_real	12917.0	0.0	6458.5	0.0
load	N_300084663	constant_power_C_real	12917.0	0.0	6458.5	0.0
load	N_300084663	constant_power_A_reac	4245.62	0.0	2122.81	0.0
load	N_300084663	constant_power_B_reac	4245.62	0.0	2122.81	0.0
load	N_300084663	constant_power_C_reac	4245.62	0.0	2122.81	0.0
load	N_300084662	constant_power_A	10410.0	3437.26	5205.0	1718.63
load	N_300084662	constant_power_B	10410.0	3437.26	5205.0	1718.63
load	N_300084662	constant_power_C	10410.0	3437.26	5205.0	1718.63
load	N_300084662	constant_power_A_real	10410.0	0.0	5205.0	0.0
load	N_300084662	constant_power_B_real	10410.0	0.0	5205.0	0.0
load	N_300084662	constant_power_C_real	10410.0	0.0	5205.0	0.0
load	N_300084662	constant_power_A_reac	3437.26	0.0	1718.63	0.0
load	N_300084662	constant_power_B_reac	3437.26	0.0	1718.63	0.0

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084662	constant_power_C_reac	3437.26	0.0	1718.63	0.0
load	N_300084661	constant_power_A	18681.5	6140.32	9340.75	3070.16
load	N_300084661	constant_power_B	18681.5	6140.32	9340.75	3070.16
load	N_300084661	constant_power_A_real	18681.5	0.0	9340.75	0.0
load	N_300084661	constant_power_B_real	18681.5	0.0	9340.75	0.0
load	N_300084661	constant_power_A_reac	6140.32	0.0	3070.16	0.0
load	N_300084661	constant_power_B_reac	6140.32	0.0	3070.16	0.0
load	N_300084660	constant_power_A	9635.31	3166.97	4817.655	1583.485
load	N_300084660	constant_power_B	9635.31	3166.97	4817.655	1583.485
load	N_300084660	constant_power_C	9635.31	3166.97	4817.655	1583.485
load	N_300084660	constant_power_A_real	9635.31	0.0	4817.655	0.0
load	N_300084660	constant_power_B_real	9635.31	0.0	4817.655	0.0
load	N_300084660	constant_power_C_real	9635.31	0.0	4817.655	0.0
load	N_300084660	constant_power_A_reac	3166.97	0.0	1583.485	0.0
load	N_300084660	constant_power_B_reac	3166.97	0.0	1583.485	0.0
load	N_300084660	constant_power_C_reac	3166.97	0.0	1583.485	0.0
load	N_300084740	constant_power_B	14017.2	4607.23	7008.6	2303.615
load	N_300084740	constant_power_C	14017.2	4607.23	7008.6	2303.615
load	N_300084740	constant_power_B_real	14017.2	0.0	7008.6	0.0
load	N_300084740	constant_power_C_real	14017.2	0.0	7008.6	0.0
load	N_300084740	constant_power_B_reac	4607.23	0.0	2303.615	0.0
load	N_300084740	constant_power_C_reac	4607.23	0.0	2303.615	0.0
load	N_300084743	constant_power_B	15025.9	4938.78	7512.95	2469.39
load	N_300084743	constant_power_C	15025.9	4938.78	7512.95	2469.39
load	N_300084743	constant_power_B_real	15025.9	0.0	7512.95	0.0
load	N_300084743	constant_power_C_real	15025.9	0.0	7512.95	0.0
load	N_300084743	constant_power_B_reac	4938.78	0.0	2469.39	0.0
load	N_300084743	constant_power_C_reac	4938.78	0.0	2469.39	0.0
load	N_300084744	constant_power_B	12492.0	4105.93	6246.0	2052.965
load	N_300084744	constant_power_C	12492.0	4105.93	6246.0	2052.965
load	N_300084744	constant_power_B_real	12492.0	0.0	6246.0	0.0
load	N_300084744	constant_power_C_real	12492.0	0.0	6246.0	0.0
load	N_300084744	constant_power_B_reac	4105.93	0.0	2052.965	0.0
load	N_300084744	constant_power_C_reac	4105.93	0.0	2052.965	0.0
load	N_300084745	constant_power_B	20787.7	6832.6	10393.85	3416.3
load	N_300084745	constant_power_C	20787.7	6832.6	10393.85	3416.3
load	N_300084745	constant_power_B_real	20787.7	0.0	10393.85	0.0
load	N_300084745	constant_power_C_real	20787.7	0.0	10393.85	0.0
load	N_300084745	constant_power_B_reac	6832.6	0.0	3416.3	0.0
load	N_300084745	constant_power_C_reac	6832.6	0.0	3416.3	0.0
load	N_300084746	constant_power_B	13880.0	4562.14	6940.0	2281.07
load	N_300084746	constant_power_C	13880.0	4562.14	6940.0	2281.07
load	N_300084746	constant_power_B_real	13880.0	0.0	6940.0	0.0
load	N_300084746	constant_power_C_real	13880.0	0.0	6940.0	0.0
load	N_300084746	constant_power_B_reac	4562.14	0.0	2281.07	0.0
load	N_300084746	constant_power_C_reac	4562.14	0.0	2281.07	0.0
load	N_300084747	constant_power_B	7851.89	2604.28	3925.945	1302.14
load	N_300084747	constant_power_C	7851.89	2604.28	3925.945	1302.14
load	N_300084747	constant_power_B_real	7851.89	0.0	3925.945	0.0
load	N_300084747	constant_power_C_real	7851.89	0.0	3925.945	0.0
load	N_300084747	constant_power_B_reac	2604.28	0.0	1302.14	0.0
load	N_300084747	constant_power_C_reac	2604.28	0.0	1302.14	0.0
load	N_300229141	constant_power_A	10582.2	3846.17	5291.1	1923.085
load	N_300229141	constant_power_B	10582.2	3846.17	5291.1	1923.085
load	N_300229141	constant_power_C	10582.2	3846.17	5291.1	1923.085
load	N_300229141	constant_power_A_real	10582.2	0.0	5291.1	0.0
load	N_300229141	constant_power_B_real	10582.2	0.0	5291.1	0.0
load	N_300229141	constant_power_C_real	10582.2	0.0	5291.1	0.0
load	N_300229141	constant_power_A_reac	3846.17	0.0	1923.085	0.0
load	N_300229141	constant_power_B_reac	3846.17	0.0	1923.085	0.0
load	N_300229141	constant_power_C_reac	3846.17	0.0	1923.085	0.0
load	N_300084658	constant_power_A	13081.1	4299.55	6540.55	2149.775
load	N_300084658	constant_power_B	13081.1	4299.55	6540.55	2149.775

Table 10: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300084658	constant_power_A_real	13081.1	0.0	6540.55	0.0
load	N_300084658	constant_power_B_real	13081.1	0.0	6540.55	0.0
load	N_300084658	constant_power_A_reac	4299.55	0.0	2149.775	0.0
load	N_300084658	constant_power_B_reac	4299.55	0.0	2149.775	0.0
load	N_300085220	constant_power_A	6783.99	2229.79	3391.995	1114.895
load	N_300085220	constant_power_B	6783.99	2229.79	3391.995	1114.895
load	N_300085220	constant_power_C	6783.99	2229.79	3391.995	1114.895
load	N_300085220	constant_power_A_real	6783.99	0.0	3391.995	0.0
load	N_300085220	constant_power_B_real	6783.99	0.0	3391.995	0.0
load	N_300085220	constant_power_C_real	6783.99	0.0	3391.995	0.0
load	N_300085220	constant_power_A_reac	2229.79	0.0	1114.895	0.0
load	N_300085220	constant_power_B_reac	2229.79	0.0	1114.895	0.0
load	N_300085220	constant_power_C_reac	2229.79	0.0	1114.895	0.0
load	N_300085221	constant_power_A	9678.95	5315.76	4839.475	2657.88
load	N_300085221	constant_power_B	9678.95	5315.76	4839.475	2657.88
load	N_300085221	constant_power_C	9678.95	5315.76	4839.475	2657.88
load	N_300085221	constant_power_A_real	9678.95	0.0	4839.475	0.0
load	N_300085221	constant_power_B_real	9678.95	0.0	4839.475	0.0
load	N_300085221	constant_power_C_real	9678.95	0.0	4839.475	0.0
load	N_300085221	constant_power_A_reac	5315.76	0.0	2657.88	0.0
load	N_300085221	constant_power_B_reac	5315.76	0.0	2657.88	0.0
load	N_300085221	constant_power_C_reac	5315.76	0.0	2657.88	0.0
load	N_300084800	constant_power_A	317.411	196.714	158.7055	98.357
load	N_300084800	constant_power_B	317.411	196.714	158.7055	98.357
load	N_300084800	constant_power_C	317.411	196.714	158.7055	98.357
load	N_300084800	constant_power_A_real	317.411	0.0	158.7055	0.0
load	N_300084800	constant_power_B_real	317.411	0.0	158.7055	0.0
load	N_300084800	constant_power_C_real	317.411	0.0	158.7055	0.0
load	N_300084800	constant_power_A_reac	196.714	0.0	98.357	0.0
load	N_300084800	constant_power_B_reac	196.714	0.0	98.357	0.0
load	N_300084800	constant_power_C_reac	196.714	0.0	98.357	0.0
load	N_300018015	constant_power_A	20666.7	12808.0	10333.35	6404.0
load	N_300018015	constant_power_B	20666.7	12808.0	10333.35	6404.0
load	N_300018015	constant_power_C	20666.7	12808.0	10333.35	6404.0
load	N_300018015	constant_power_A_real	20666.7	0.0	10333.35	0.0
load	N_300018015	constant_power_B_real	20666.7	0.0	10333.35	0.0
load	N_300018015	constant_power_C_real	20666.7	0.0	10333.35	0.0
load	N_300018015	constant_power_A_reac	12808.0	0.0	6404.0	0.0
load	N_300018015	constant_power_B_reac	12808.0	0.0	6404.0	0.0
load	N_300018015	constant_power_C_reac	12808.0	0.0	6404.0	0.0
load	N_300085029	constant_power_A	53517.6	33167.2	26758.8	16583.6
load	N_300085029	constant_power_B	53517.6	33167.2	26758.8	16583.6
load	N_300085029	constant_power_C	53517.6	33167.2	26758.8	16583.6
load	N_300085029	constant_power_A_real	53517.6	0.0	26758.8	0.0
load	N_300085029	constant_power_B_real	53517.6	0.0	26758.8	0.0
load	N_300085029	constant_power_C_real	53517.6	0.0	26758.8	0.0
load	N_300085029	constant_power_A_reac	33167.2	0.0	16583.6	0.0
load	N_300085029	constant_power_B_reac	33167.2	0.0	16583.6	0.0
load	N_300085029	constant_power_C_reac	33167.2	0.0	16583.6	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700060228	constant_power_A	230.117	75.6357	115.0585	37.81785
load	N_1700060228	constant_power_B	230.117	75.6357	115.0585	37.81785
load	N_1700060228	constant_power_C	230.117	75.6357	115.0585	37.81785
load	N_1700060228	constant_power_A_real	230.117	0.0	115.0585	0.0
load	N_1700060228	constant_power_B_real	230.117	0.0	115.0585	0.0
load	N_1700060228	constant_power_C_real	230.117	0.0	115.0585	0.0
load	N_1700060228	constant_power_A_reac	75.6357	0.0	37.81785	0.0
load	N_1700060228	constant_power_B_reac	75.6357	0.0	37.81785	0.0
load	N_1700060228	constant_power_C_reac	75.6357	0.0	37.81785	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700060227	constant_power_A	573.273	188.426	286.6365	94.213
load	N_1700060227	constant_power_B	573.273	188.426	286.6365	94.213
load	N_1700060227	constant_power_C	573.273	188.426	286.6365	94.213
load	N_1700060227	constant_power_A_real	573.273	0.0	286.6365	0.0
load	N_1700060227	constant_power_B_real	573.273	0.0	286.6365	0.0
load	N_1700060227	constant_power_C_real	573.273	0.0	286.6365	0.0
load	N_1700060227	constant_power_A_reac	188.426	0.0	94.213	0.0
load	N_1700060227	constant_power_B_reac	188.426	0.0	94.213	0.0
load	N_1700060227	constant_power_C_reac	188.426	0.0	94.213	0.0
load	N_1700093679	constant_power_A	339.119	111.463	169.5595	55.7315
load	N_1700093679	constant_power_B	339.119	111.463	169.5595	55.7315
load	N_1700093679	constant_power_C	339.119	111.463	169.5595	55.7315
load	N_1700093679	constant_power_A_real	339.119	0.0	169.5595	0.0
load	N_1700093679	constant_power_B_real	339.119	0.0	169.5595	0.0
load	N_1700093679	constant_power_C_real	339.119	0.0	169.5595	0.0
load	N_1700093679	constant_power_A_reac	111.463	0.0	55.7315	0.0
load	N_1700093679	constant_power_B_reac	111.463	0.0	55.7315	0.0
load	N_1700093679	constant_power_C_reac	111.463	0.0	55.7315	0.0
load	N_1700093096	constant_power_A	1146.55	376.851	573.275	188.4255
load	N_1700093096	constant_power_B	1146.55	376.851	573.275	188.4255
load	N_1700093096	constant_power_C	1146.55	376.851	573.275	188.4255
load	N_1700093096	constant_power_A_real	1146.55	0.0	573.275	0.0
load	N_1700093096	constant_power_B_real	1146.55	0.0	573.275	0.0
load	N_1700093096	constant_power_C_real	1146.55	0.0	573.275	0.0
load	N_1700093096	constant_power_A_reac	376.851	0.0	188.4255	0.0
load	N_1700093096	constant_power_B_reac	376.851	0.0	188.4255	0.0
load	N_1700093096	constant_power_C_reac	376.851	0.0	188.4255	0.0
load	N_1700008890	constant_power_A	8683.88	5381.78	4341.94	2690.89
load	N_1700008890	constant_power_B	8683.88	5381.78	4341.94	2690.89
load	N_1700008890	constant_power_C	8683.88	5381.78	4341.94	2690.89
load	N_1700008890	constant_power_A_real	8683.88	0.0	4341.94	0.0
load	N_1700008890	constant_power_B_real	8683.88	0.0	4341.94	0.0
load	N_1700008890	constant_power_C_real	8683.88	0.0	4341.94	0.0
load	N_1700008890	constant_power_A_reac	5381.78	0.0	2690.89	0.0
load	N_1700008890	constant_power_B_reac	5381.78	0.0	2690.89	0.0
load	N_1700008890	constant_power_C_reac	5381.78	0.0	2690.89	0.0
load	N_1700093676	constant_power_A	1124.34	696.804	562.17	348.402
load	N_1700093676	constant_power_B	1124.34	696.804	562.17	348.402
load	N_1700093676	constant_power_C	1124.34	696.804	562.17	348.402
load	N_1700093676	constant_power_A_real	1124.34	0.0	562.17	0.0
load	N_1700093676	constant_power_B_real	1124.34	0.0	562.17	0.0
load	N_1700093676	constant_power_C_real	1124.34	0.0	562.17	0.0
load	N_1700093676	constant_power_A_reac	696.804	0.0	348.402	0.0
load	N_1700093676	constant_power_B_reac	696.804	0.0	348.402	0.0
load	N_1700093676	constant_power_C_reac	696.804	0.0	348.402	0.0
load	N_1700121338	constant_power_A	756.963	298.154	378.4815	149.077
load	N_1700121338	constant_power_B	756.963	298.154	378.4815	149.077
load	N_1700121338	constant_power_C	756.963	298.154	378.4815	149.077
load	N_1700121338	constant_power_A_real	756.963	0.0	378.4815	0.0
load	N_1700121338	constant_power_B_real	756.963	0.0	378.4815	0.0
load	N_1700121338	constant_power_C_real	756.963	0.0	378.4815	0.0
load	N_1700121338	constant_power_A_reac	298.154	0.0	149.077	0.0
load	N_1700121338	constant_power_B_reac	298.154	0.0	149.077	0.0
load	N_1700121338	constant_power_C_reac	298.154	0.0	149.077	0.0
load	N_1700093677	constant_power_A	666.127	218.945	333.0635	109.4725
load	N_1700093677	constant_power_B	666.127	218.945	333.0635	109.4725
load	N_1700093677	constant_power_C	666.127	218.945	333.0635	109.4725
load	N_1700093677	constant_power_A_real	666.127	0.0	333.0635	0.0
load	N_1700093677	constant_power_B_real	666.127	0.0	333.0635	0.0
load	N_1700093677	constant_power_C_real	666.127	0.0	333.0635	0.0
load	N_1700093677	constant_power_A_reac	218.945	0.0	109.4725	0.0
load	N_1700093677	constant_power_B_reac	218.945	0.0	109.4725	0.0
load	N_1700093677	constant_power_C_reac	218.945	0.0	109.4725	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700011460	constant_power_A	431.973	141.983	215.9865	70.9915
load	N_1700011460	constant_power_B	431.973	141.983	215.9865	70.9915
load	N_1700011460	constant_power_C	431.973	141.983	215.9865	70.9915
load	N_1700011460	constant_power_A_real	431.973	0.0	215.9865	0.0
load	N_1700011460	constant_power_B_real	431.973	0.0	215.9865	0.0
load	N_1700011460	constant_power_C_real	431.973	0.0	215.9865	0.0
load	N_1700011460	constant_power_A_reac	141.983	0.0	70.9915	0.0
load	N_1700011460	constant_power_B_reac	141.983	0.0	70.9915	0.0
load	N_1700011460	constant_power_C_reac	141.983	0.0	70.9915	0.0
load	N_1700092976	constant_power_A	329.026	108.146	164.513	54.073
load	N_1700092976	constant_power_B	329.026	108.146	164.513	54.073
load	N_1700092976	constant_power_C	329.026	108.146	164.513	54.073
load	N_1700092976	constant_power_A_real	329.026	0.0	164.513	0.0
load	N_1700092976	constant_power_B_real	329.026	0.0	164.513	0.0
load	N_1700092976	constant_power_C_real	329.026	0.0	164.513	0.0
load	N_1700092976	constant_power_A_reac	108.146	0.0	54.073	0.0
load	N_1700092976	constant_power_B_reac	108.146	0.0	54.073	0.0
load	N_1700092976	constant_power_C_reac	108.146	0.0	54.073	0.0
load	N_1700087545	constant_power_C	4535.72	1490.82	2267.86	745.41
load	N_1700087545	constant_power_C_real	4535.72	0.0	2267.86	0.0
load	N_1700087545	constant_power_C_reac	1490.82	0.0	745.41	0.0
load	N_1700010392	constant_power_A	1207.1	396.756	603.55	198.378
load	N_1700010392	constant_power_B	1207.1	396.756	603.55	198.378
load	N_1700010392	constant_power_C	1207.1	396.756	603.55	198.378
load	N_1700010392	constant_power_A_real	1207.1	0.0	603.55	0.0
load	N_1700010392	constant_power_B_real	1207.1	0.0	603.55	0.0
load	N_1700010392	constant_power_C_real	1207.1	0.0	603.55	0.0
load	N_1700010392	constant_power_A_reac	396.756	0.0	198.378	0.0
load	N_1700010392	constant_power_B_reac	396.756	0.0	198.378	0.0
load	N_1700010392	constant_power_C_reac	396.756	0.0	198.378	0.0
load	N_1700010393	constant_power_A	183.69	60.3759	91.845	30.18795
load	N_1700010393	constant_power_B	183.69	60.3759	91.845	30.18795
load	N_1700010393	constant_power_C	183.69	60.3759	91.845	30.18795
load	N_1700010393	constant_power_A_real	183.69	0.0	91.845	0.0
load	N_1700010393	constant_power_B_real	183.69	0.0	91.845	0.0
load	N_1700010393	constant_power_C_real	183.69	0.0	91.845	0.0
load	N_1700010393	constant_power_A_reac	60.3759	0.0	30.18795	0.0
load	N_1700010393	constant_power_B_reac	60.3759	0.0	30.18795	0.0
load	N_1700010393	constant_power_C_reac	60.3759	0.0	30.18795	0.0
load	N_1700093041	constant_power_A	1951.95	641.576	975.975	320.788
load	N_1700093041	constant_power_B	1951.95	641.576	975.975	320.788
load	N_1700093041	constant_power_C	1951.95	641.576	975.975	320.788
load	N_1700093041	constant_power_A_real	1951.95	0.0	975.975	0.0
load	N_1700093041	constant_power_B_real	1951.95	0.0	975.975	0.0
load	N_1700093041	constant_power_C_real	1951.95	0.0	975.975	0.0
load	N_1700093041	constant_power_A_reac	641.576	0.0	320.788	0.0
load	N_1700093041	constant_power_B_reac	641.576	0.0	320.788	0.0
load	N_1700093041	constant_power_C_reac	641.576	0.0	320.788	0.0
load	N_1700281085	constant_power_A	308.841	191.402	154.4205	95.701
load	N_1700281085	constant_power_B	308.841	191.402	154.4205	95.701
load	N_1700281085	constant_power_C	308.841	191.402	154.4205	95.701
load	N_1700281085	constant_power_A_real	308.841	0.0	154.4205	0.0
load	N_1700281085	constant_power_B_real	308.841	0.0	154.4205	0.0
load	N_1700281085	constant_power_C_real	308.841	0.0	154.4205	0.0
load	N_1700281085	constant_power_A_reac	191.402	0.0	95.701	0.0
load	N_1700281085	constant_power_B_reac	191.402	0.0	95.701	0.0
load	N_1700281085	constant_power_C_reac	191.402	0.0	95.701	0.0
load	N_1700093043	constant_power_A	4854.65	3008.64	2427.325	1504.32
load	N_1700093043	constant_power_B	4854.65	3008.64	2427.325	1504.32
load	N_1700093043	constant_power_C	4854.65	3008.64	2427.325	1504.32
load	N_1700093043	constant_power_A_real	4854.65	0.0	2427.325	0.0
load	N_1700093043	constant_power_B_real	4854.65	0.0	2427.325	0.0
load	N_1700093043	constant_power_C_real	4854.65	0.0	2427.325	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093043	constant_power_A_reac	3008.64	0.0	1504.32	0.0
load	N_1700093043	constant_power_B_reac	3008.64	0.0	1504.32	0.0
load	N_1700093043	constant_power_C_reac	3008.64	0.0	1504.32	0.0
load	N_1700123306	constant_power_A	18756.5	11624.2	9378.25	5812.1
load	N_1700123306	constant_power_B	18756.5	11624.2	9378.25	5812.1
load	N_1700123306	constant_power_C	18756.5	11624.2	9378.25	5812.1
load	N_1700123306	constant_power_A_real	18756.5	0.0	9378.25	0.0
load	N_1700123306	constant_power_B_real	18756.5	0.0	9378.25	0.0
load	N_1700123306	constant_power_C_real	18756.5	0.0	9378.25	0.0
load	N_1700123306	constant_power_A_reac	11624.2	0.0	5812.1	0.0
load	N_1700123306	constant_power_B_reac	11624.2	0.0	5812.1	0.0
load	N_1700123306	constant_power_C_reac	11624.2	0.0	5812.1	0.0
load	N_1700093049	constant_power_A	512.716	168.522	256.358	84.261
load	N_1700093049	constant_power_B	512.716	168.522	256.358	84.261
load	N_1700093049	constant_power_C	512.716	168.522	256.358	84.261
load	N_1700093049	constant_power_A_real	512.716	0.0	256.358	0.0
load	N_1700093049	constant_power_B_real	512.716	0.0	256.358	0.0
load	N_1700093049	constant_power_C_real	512.716	0.0	256.358	0.0
load	N_1700093049	constant_power_A_reac	168.522	0.0	84.261	0.0
load	N_1700093049	constant_power_B_reac	168.522	0.0	84.261	0.0
load	N_1700093049	constant_power_C_reac	168.522	0.0	84.261	0.0
load	N_1700010104	constant_power_A	58.5383	35.1038	29.26915	17.5519
load	N_1700010104	constant_power_B	58.5383	35.1038	29.26915	17.5519
load	N_1700010104	constant_power_C	58.5383	35.1038	29.26915	17.5519
load	N_1700010104	constant_power_A_real	58.5383	0.0	29.26915	0.0
load	N_1700010104	constant_power_B_real	58.5383	0.0	29.26915	0.0
load	N_1700010104	constant_power_C_real	58.5383	0.0	29.26915	0.0
load	N_1700010104	constant_power_A_reac	35.1038	0.0	17.5519	0.0
load	N_1700010104	constant_power_B_reac	35.1038	0.0	17.5519	0.0
load	N_1700010104	constant_power_C_reac	35.1038	0.0	17.5519	0.0
load	N_1700061998	constant_power_A	1389.78	456.8	694.89	228.4
load	N_1700061998	constant_power_B	1389.78	456.8	694.89	228.4
load	N_1700061998	constant_power_A_real	1389.78	0.0	694.89	0.0
load	N_1700061998	constant_power_B_real	1389.78	0.0	694.89	0.0
load	N_1700061998	constant_power_A_reac	456.8	0.0	228.4	0.0
load	N_1700061998	constant_power_B_reac	456.8	0.0	228.4	0.0
load	N_1700061999	constant_power_A	881.105	413.867	440.5525	206.9335
load	N_1700061999	constant_power_B	881.105	413.867	440.5525	206.9335
load	N_1700061999	constant_power_A_real	881.105	0.0	440.5525	0.0
load	N_1700061999	constant_power_B_real	881.105	0.0	440.5525	0.0
load	N_1700061999	constant_power_A_reac	413.867	0.0	206.9335	0.0
load	N_1700061999	constant_power_B_reac	413.867	0.0	206.9335	0.0
load	N_1700069125	constant_power_A	14122.5	8752.31	7061.25	4376.155
load	N_1700069125	constant_power_B	14122.5	8752.31	7061.25	4376.155
load	N_1700069125	constant_power_C	14122.5	8752.31	7061.25	4376.155
load	N_1700069125	constant_power_A_real	14122.5	0.0	7061.25	0.0
load	N_1700069125	constant_power_B_real	14122.5	0.0	7061.25	0.0
load	N_1700069125	constant_power_C_real	14122.5	0.0	7061.25	0.0
load	N_1700069125	constant_power_A_reac	8752.31	0.0	4376.155	0.0
load	N_1700069125	constant_power_B_reac	8752.31	0.0	4376.155	0.0
load	N_1700069125	constant_power_C_reac	8752.31	0.0	4376.155	0.0
load	N_1700070135	constant_power_A	805.408	339.928	402.704	169.964
load	N_1700070135	constant_power_B	805.408	339.928	402.704	169.964
load	N_1700070135	constant_power_C	805.408	339.928	402.704	169.964
load	N_1700070135	constant_power_A_real	805.408	0.0	402.704	0.0
load	N_1700070135	constant_power_B_real	805.408	0.0	402.704	0.0
load	N_1700070135	constant_power_C_real	805.408	0.0	402.704	0.0
load	N_1700070135	constant_power_A_reac	339.928	0.0	169.964	0.0
load	N_1700070135	constant_power_B_reac	339.928	0.0	169.964	0.0
load	N_1700070135	constant_power_C_reac	339.928	0.0	169.964	0.0
load	N_1700018960	constant_power_A	2719.01	893.695	1359.505	446.8475
load	N_1700018960	constant_power_A_real	2719.01	0.0	1359.505	0.0
load	N_1700018960	constant_power_A_reac	893.695	0.0	446.8475	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700018008	constant_power_A	3177.22	1969.07	1588.61	984.535
load	N_1700018008	constant_power_B	3177.22	1969.07	1588.61	984.535
load	N_1700018008	constant_power_C	3177.22	1969.07	1588.61	984.535
load	N_1700018008	constant_power_A_real	3177.22	0.0	1588.61	0.0
load	N_1700018008	constant_power_B_real	3177.22	0.0	1588.61	0.0
load	N_1700018008	constant_power_C_real	3177.22	0.0	1588.61	0.0
load	N_1700018008	constant_power_A_reac	1969.07	0.0	984.535	0.0
load	N_1700018008	constant_power_B_reac	1969.07	0.0	984.535	0.0
load	N_1700018008	constant_power_C_reac	1969.07	0.0	984.535	0.0
load	N_1700018947	constant_power_A	1334.27	438.554	667.135	219.277
load	N_1700018947	constant_power_B	1334.27	438.554	667.135	219.277
load	N_1700018947	constant_power_C	1334.27	438.554	667.135	219.277
load	N_1700018947	constant_power_A_real	1334.27	0.0	667.135	0.0
load	N_1700018947	constant_power_B_real	1334.27	0.0	667.135	0.0
load	N_1700018947	constant_power_C_real	1334.27	0.0	667.135	0.0
load	N_1700018947	constant_power_A_reac	438.554	0.0	219.277	0.0
load	N_1700018947	constant_power_B_reac	438.554	0.0	219.277	0.0
load	N_1700018947	constant_power_C_reac	438.554	0.0	219.277	0.0
load	N_1700018940	constant_power_A	959.829	315.481	479.9145	157.7405
load	N_1700018940	constant_power_B	959.829	315.481	479.9145	157.7405
load	N_1700018940	constant_power_A_real	959.829	0.0	479.9145	0.0
load	N_1700018940	constant_power_B_real	959.829	0.0	479.9145	0.0
load	N_1700018940	constant_power_A_reac	315.481	0.0	157.7405	0.0
load	N_1700018940	constant_power_B_reac	315.481	0.0	157.7405	0.0
load	N_1700092996	constant_power_A	203.875	67.0106	101.9375	33.5053
load	N_1700092996	constant_power_B	203.875	67.0106	101.9375	33.5053
load	N_1700092996	constant_power_C	203.875	67.0106	101.9375	33.5053
load	N_1700092996	constant_power_A_real	203.875	0.0	101.9375	0.0
load	N_1700092996	constant_power_B_real	203.875	0.0	101.9375	0.0
load	N_1700092996	constant_power_C_real	203.875	0.0	101.9375	0.0
load	N_1700092996	constant_power_A_reac	67.0106	0.0	33.5053	0.0
load	N_1700092996	constant_power_B_reac	67.0106	0.0	33.5053	0.0
load	N_1700092996	constant_power_C_reac	67.0106	0.0	33.5053	0.0
load	N_1700116327	constant_power_A	1374.64	451.824	687.32	225.912
load	N_1700116327	constant_power_A_real	1374.64	0.0	687.32	0.0
load	N_1700116327	constant_power_A_reac	451.824	0.0	225.912	0.0
load	N_1700093508	constant_power_A	4396.44	2635.36	2198.22	1317.68
load	N_1700093508	constant_power_B	4396.44	2635.36	2198.22	1317.68
load	N_1700093508	constant_power_C	4396.44	2635.36	2198.22	1317.68
load	N_1700093508	constant_power_A_real	4396.44	0.0	2198.22	0.0
load	N_1700093508	constant_power_B_real	4396.44	0.0	2198.22	0.0
load	N_1700093508	constant_power_C_real	4396.44	0.0	2198.22	0.0
load	N_1700093508	constant_power_A_reac	2635.36	0.0	1317.68	0.0
load	N_1700093508	constant_power_B_reac	2635.36	0.0	1317.68	0.0
load	N_1700093508	constant_power_C_reac	2635.36	0.0	1317.68	0.0
load	N_1700011107	constant_power_A	1875.25	1162.17	937.625	581.085
load	N_1700011107	constant_power_B	1875.25	1162.17	937.625	581.085
load	N_1700011107	constant_power_C	1875.25	1162.17	937.625	581.085
load	N_1700011107	constant_power_A_real	1875.25	0.0	937.625	0.0
load	N_1700011107	constant_power_B_real	1875.25	0.0	937.625	0.0
load	N_1700011107	constant_power_C_real	1875.25	0.0	937.625	0.0
load	N_1700011107	constant_power_A_reac	1162.17	0.0	581.085	0.0
load	N_1700011107	constant_power_B_reac	1162.17	0.0	581.085	0.0
load	N_1700011107	constant_power_C_reac	1162.17	0.0	581.085	0.0
load	N_1700078880	constant_power_A	720.628	236.859	360.314	118.4295
load	N_1700078880	constant_power_B	720.628	236.859	360.314	118.4295
load	N_1700078880	constant_power_C	720.628	236.859	360.314	118.4295
load	N_1700078880	constant_power_A_real	720.628	0.0	360.314	0.0
load	N_1700078880	constant_power_B_real	720.628	0.0	360.314	0.0
load	N_1700078880	constant_power_C_real	720.628	0.0	360.314	0.0
load	N_1700078880	constant_power_A_reac	236.859	0.0	118.4295	0.0
load	N_1700078880	constant_power_B_reac	236.859	0.0	118.4295	0.0
load	N_1700078880	constant_power_C_reac	236.859	0.0	118.4295	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093079	constant_power_A	327.008	107.482	163.504	53.741
load	N_1700093079	constant_power_B	327.008	107.482	163.504	53.741
load	N_1700093079	constant_power_C	327.008	107.482	163.504	53.741
load	N_1700093079	constant_power_A_real	327.008	0.0	163.504	0.0
load	N_1700093079	constant_power_B_real	327.008	0.0	163.504	0.0
load	N_1700093079	constant_power_C_real	327.008	0.0	163.504	0.0
load	N_1700093079	constant_power_A_reac	107.482	0.0	53.741	0.0
load	N_1700093079	constant_power_B_reac	107.482	0.0	53.741	0.0
load	N_1700093079	constant_power_C_reac	107.482	0.0	53.741	0.0
load	N_1700092723	constant_power_A	1314.09	431.92	657.045	215.96
load	N_1700092723	constant_power_A_real	1314.09	0.0	657.045	0.0
load	N_1700092723	constant_power_A_reac	431.92	0.0	215.96	0.0
load	N_1700092722	constant_power_A	2295.11	821.344	1147.555	410.672
load	N_1700092722	constant_power_A_real	2295.11	0.0	1147.555	0.0
load	N_1700092722	constant_power_A_reac	821.344	0.0	410.672	0.0
load	N_1700092721	constant_power_A	1901.49	624.99	950.745	312.495
load	N_1700092721	constant_power_A_real	1901.49	0.0	950.745	0.0
load	N_1700092721	constant_power_A_reac	624.99	0.0	312.495	0.0
load	N_1700092720	constant_power_A	569.236	187.099	284.618	93.5495
load	N_1700092720	constant_power_B	569.236	187.099	284.618	93.5495
load	N_1700092720	constant_power_A_real	569.236	0.0	284.618	0.0
load	N_1700092720	constant_power_B_real	569.236	0.0	284.618	0.0
load	N_1700092720	constant_power_A_reac	187.099	0.0	93.5495	0.0
load	N_1700092720	constant_power_B_reac	187.099	0.0	93.5495	0.0
load	N_1700092727	constant_power_A	575.292	189.089	287.646	94.5445
load	N_1700092727	constant_power_B	575.292	189.089	287.646	94.5445
load	N_1700092727	constant_power_C	575.292	189.089	287.646	94.5445
load	N_1700092727	constant_power_A_real	575.292	0.0	287.646	0.0
load	N_1700092727	constant_power_B_real	575.292	0.0	287.646	0.0
load	N_1700092727	constant_power_C_real	575.292	0.0	287.646	0.0
load	N_1700092727	constant_power_A_reac	189.089	0.0	94.5445	0.0
load	N_1700092727	constant_power_B_reac	189.089	0.0	94.5445	0.0
load	N_1700092727	constant_power_C_reac	189.089	0.0	94.5445	0.0
load	N_1700092726	constant_power_A	1283.81	421.968	641.905	210.984
load	N_1700092726	constant_power_B	1283.81	421.968	641.905	210.984
load	N_1700092726	constant_power_A_real	1283.81	0.0	641.905	0.0
load	N_1700092726	constant_power_B_real	1283.81	0.0	641.905	0.0
load	N_1700092726	constant_power_A_reac	421.968	0.0	210.984	0.0
load	N_1700092726	constant_power_B_reac	421.968	0.0	210.984	0.0
load	N_1700093570	constant_power_A	644.193	308.756	322.0965	154.378
load	N_1700093570	constant_power_B	644.193	308.756	322.0965	154.378
load	N_1700093570	constant_power_C	644.193	308.756	322.0965	154.378
load	N_1700093570	constant_power_A_real	644.193	0.0	322.0965	0.0
load	N_1700093570	constant_power_B_real	644.193	0.0	322.0965	0.0
load	N_1700093570	constant_power_C_real	644.193	0.0	322.0965	0.0
load	N_1700093570	constant_power_A_reac	308.756	0.0	154.378	0.0
load	N_1700093570	constant_power_B_reac	308.756	0.0	154.378	0.0
load	N_1700093570	constant_power_C_reac	308.756	0.0	154.378	0.0
load	N_1700018892	constant_power_A	3257.97	1070.84	1628.985	535.42
load	N_1700018892	constant_power_B	3257.97	1070.84	1628.985	535.42
load	N_1700018892	constant_power_C	3257.97	1070.84	1628.985	535.42
load	N_1700018892	constant_power_A_real	3257.97	0.0	1628.985	0.0
load	N_1700018892	constant_power_B_real	3257.97	0.0	1628.985	0.0
load	N_1700018892	constant_power_C_real	3257.97	0.0	1628.985	0.0
load	N_1700018892	constant_power_A_reac	1070.84	0.0	535.42	0.0
load	N_1700018892	constant_power_B_reac	1070.84	0.0	535.42	0.0
load	N_1700018892	constant_power_C_reac	1070.84	0.0	535.42	0.0
load	N_1700093630	constant_power_A	987.079	611.737	493.5395	305.8685
load	N_1700093630	constant_power_B	987.079	611.737	493.5395	305.8685
load	N_1700093630	constant_power_C	987.079	611.737	493.5395	305.8685
load	N_1700093630	constant_power_A_real	987.079	0.0	493.5395	0.0
load	N_1700093630	constant_power_B_real	987.079	0.0	493.5395	0.0
load	N_1700093630	constant_power_C_real	987.079	0.0	493.5395	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093630	constant_power_A_reac	611.737	0.0	305.8685	0.0
load	N_1700093630	constant_power_B_reac	611.737	0.0	305.8685	0.0
load	N_1700093630	constant_power_C_reac	611.737	0.0	305.8685	0.0
load	N_1700093936	constant_power_A	448.122	193.999	224.061	96.9995
load	N_1700093936	constant_power_B	448.122	193.999	224.061	96.9995
load	N_1700093936	constant_power_A_real	448.122	0.0	224.061	0.0
load	N_1700093936	constant_power_B_real	448.122	0.0	224.061	0.0
load	N_1700093936	constant_power_A_reac	193.999	0.0	96.9995	0.0
load	N_1700093936	constant_power_B_reac	193.999	0.0	96.9995	0.0
load	N_1700093637	constant_power_A	1235.36	406.044	617.68	203.022
load	N_1700093637	constant_power_B	1235.36	406.044	617.68	203.022
load	N_1700093637	constant_power_A_real	1235.36	0.0	617.68	0.0
load	N_1700093637	constant_power_B_real	1235.36	0.0	617.68	0.0
load	N_1700093637	constant_power_A_reac	406.044	0.0	203.022	0.0
load	N_1700093637	constant_power_B_reac	406.044	0.0	203.022	0.0
load	N_1700093635	constant_power_A	286.637	94.2129	143.3185	47.10645
load	N_1700093635	constant_power_B	286.637	94.2129	143.3185	47.10645
load	N_1700093635	constant_power_C	286.637	94.2129	143.3185	47.10645
load	N_1700093635	constant_power_A_real	286.637	0.0	143.3185	0.0
load	N_1700093635	constant_power_B_real	286.637	0.0	143.3185	0.0
load	N_1700093635	constant_power_C_real	286.637	0.0	143.3185	0.0
load	N_1700093635	constant_power_A_reac	94.2129	0.0	47.10645	0.0
load	N_1700093635	constant_power_B_reac	94.2129	0.0	47.10645	0.0
load	N_1700093635	constant_power_C_reac	94.2129	0.0	47.10645	0.0
load	N_1700092299	constant_power_A	681.266	223.921	340.633	111.9605
load	N_1700092299	constant_power_B	681.266	223.921	340.633	111.9605
load	N_1700092299	constant_power_A_real	681.266	0.0	340.633	0.0
load	N_1700092299	constant_power_B_real	681.266	0.0	340.633	0.0
load	N_1700092299	constant_power_A_reac	223.921	0.0	111.9605	0.0
load	N_1700092299	constant_power_B_reac	223.921	0.0	111.9605	0.0
load	N_1700081389	constant_power_A	1604.76	552.136	802.38	276.068
load	N_1700081389	constant_power_B	1604.76	552.136	802.38	276.068
load	N_1700081389	constant_power_A_real	1604.76	0.0	802.38	0.0
load	N_1700081389	constant_power_B_real	1604.76	0.0	802.38	0.0
load	N_1700081389	constant_power_A_reac	552.136	0.0	276.068	0.0
load	N_1700081389	constant_power_B_reac	552.136	0.0	276.068	0.0
load	N_1700008931	constant_power_A	159.467	98.8286	79.7335	49.4143
load	N_1700008931	constant_power_B	159.467	98.8286	79.7335	49.4143
load	N_1700008931	constant_power_C	159.467	98.8286	79.7335	49.4143
load	N_1700008931	constant_power_A_real	159.467	0.0	79.7335	0.0
load	N_1700008931	constant_power_B_real	159.467	0.0	79.7335	0.0
load	N_1700008931	constant_power_C_real	159.467	0.0	79.7335	0.0
load	N_1700008931	constant_power_A_reac	98.8286	0.0	49.4143	0.0
load	N_1700008931	constant_power_B_reac	98.8286	0.0	49.4143	0.0
load	N_1700008931	constant_power_C_reac	98.8286	0.0	49.4143	0.0
load	N_1700092810	constant_power_A	2313.28	760.338	1156.64	380.169
load	N_1700092810	constant_power_B	2313.28	760.338	1156.64	380.169
load	N_1700092810	constant_power_A_real	2313.28	0.0	1156.64	0.0
load	N_1700092810	constant_power_B_real	2313.28	0.0	1156.64	0.0
load	N_1700092810	constant_power_A_reac	760.338	0.0	380.169	0.0
load	N_1700092810	constant_power_B_reac	760.338	0.0	380.169	0.0
load	N_1700093077	constant_power_A	688.331	226.244	344.1655	113.122
load	N_1700093077	constant_power_B	688.331	226.244	344.1655	113.122
load	N_1700093077	constant_power_C	688.331	226.244	344.1655	113.122
load	N_1700093077	constant_power_A_real	688.331	0.0	344.1655	0.0
load	N_1700093077	constant_power_B_real	688.331	0.0	344.1655	0.0
load	N_1700093077	constant_power_C_real	688.331	0.0	344.1655	0.0
load	N_1700093077	constant_power_A_reac	226.244	0.0	113.122	0.0
load	N_1700093077	constant_power_B_reac	226.244	0.0	113.122	0.0
load	N_1700093077	constant_power_C_reac	226.244	0.0	113.122	0.0
load	N_1700092780	constant_power_A	1625.96	534.426	812.98	267.213
load	N_1700092780	constant_power_B	1625.96	534.426	812.98	267.213
load	N_1700092780	constant_power_A_real	1625.96	0.0	812.98	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092780	constant_power_B_real	1625.96	0.0	812.98	0.0
load	N_1700092780	constant_power_A_reac	534.426	0.0	267.213	0.0
load	N_1700092780	constant_power_B_reac	534.426	0.0	267.213	0.0
load	N_1700094192	constant_power_A	1364.55	448.506	682.275	224.253
load	N_1700094192	constant_power_B	1364.55	448.506	682.275	224.253
load	N_1700094192	constant_power_C	1364.55	448.506	682.275	224.253
load	N_1700094192	constant_power_A_real	1364.55	0.0	682.275	0.0
load	N_1700094192	constant_power_B_real	1364.55	0.0	682.275	0.0
load	N_1700094192	constant_power_C_real	1364.55	0.0	682.275	0.0
load	N_1700094192	constant_power_A_reac	448.506	0.0	224.253	0.0
load	N_1700094192	constant_power_B_reac	448.506	0.0	224.253	0.0
load	N_1700094192	constant_power_C_reac	448.506	0.0	224.253	0.0
load	N_1700008429	constant_power_A	844.77	277.662	422.385	138.831
load	N_1700008429	constant_power_B	844.77	277.662	422.385	138.831
load	N_1700008429	constant_power_A_real	844.77	0.0	422.385	0.0
load	N_1700008429	constant_power_B_real	844.77	0.0	422.385	0.0
load	N_1700008429	constant_power_A_reac	277.662	0.0	138.831	0.0
load	N_1700008429	constant_power_B_reac	277.662	0.0	138.831	0.0
load	N_1700094419	constant_power_A	22904.3	14194.8	11452.15	7097.4
load	N_1700094419	constant_power_B	22904.3	14194.8	11452.15	7097.4
load	N_1700094419	constant_power_C	22904.3	14194.8	11452.15	7097.4
load	N_1700094419	constant_power_A_real	22904.3	0.0	11452.15	0.0
load	N_1700094419	constant_power_B_real	22904.3	0.0	11452.15	0.0
load	N_1700094419	constant_power_C_real	22904.3	0.0	11452.15	0.0
load	N_1700094419	constant_power_A_reac	14194.8	0.0	7097.4	0.0
load	N_1700094419	constant_power_B_reac	14194.8	0.0	7097.4	0.0
load	N_1700094419	constant_power_C_reac	14194.8	0.0	7097.4	0.0
load	N_1700018714	constant_power_C	5056.51	1661.99	2528.255	830.995
load	N_1700018714	constant_power_C_real	5056.51	0.0	2528.255	0.0
load	N_1700018714	constant_power_C_reac	1661.99	0.0	830.995	0.0
load	N_1700093579	constant_power_A	1205.08	664.884	602.54	332.442
load	N_1700093579	constant_power_B	1205.08	664.884	602.54	332.442
load	N_1700093579	constant_power_A_real	1205.08	0.0	602.54	0.0
load	N_1700093579	constant_power_B_real	1205.08	0.0	602.54	0.0
load	N_1700093579	constant_power_A_reac	664.884	0.0	332.442	0.0
load	N_1700093579	constant_power_B_reac	664.884	0.0	332.442	0.0
load	N_1700093454	constant_power_A	1011.3	332.399	505.65	166.1995
load	N_1700093454	constant_power_B	1011.3	332.399	505.65	166.1995
load	N_1700093454	constant_power_A_real	1011.3	0.0	505.65	0.0
load	N_1700093454	constant_power_B_real	1011.3	0.0	505.65	0.0
load	N_1700093454	constant_power_A_reac	332.399	0.0	166.1995	0.0
load	N_1700093454	constant_power_B_reac	332.399	0.0	166.1995	0.0
load	N_1700018711	constant_power_A	1320.14	433.91	660.07	216.955
load	N_1700018711	constant_power_B	1320.14	433.91	660.07	216.955
load	N_1700018711	constant_power_A_real	1320.14	0.0	660.07	0.0
load	N_1700018711	constant_power_B_real	1320.14	0.0	660.07	0.0
load	N_1700018711	constant_power_A_reac	433.91	0.0	216.955	0.0
load	N_1700018711	constant_power_B_reac	433.91	0.0	216.955	0.0
load	N_1700018712	constant_power_C	9204.67	3025.43	4602.335	1512.715
load	N_1700018712	constant_power_C_real	9204.67	0.0	4602.335	0.0
load	N_1700018712	constant_power_C_reac	3025.43	0.0	1512.715	0.0
load	N_1700093451	constant_power_A	1223.25	402.063	611.625	201.0315
load	N_1700093451	constant_power_B	1223.25	402.063	611.625	201.0315
load	N_1700093451	constant_power_A_real	1223.25	0.0	611.625	0.0
load	N_1700093451	constant_power_B_real	1223.25	0.0	611.625	0.0
load	N_1700093451	constant_power_A_reac	402.063	0.0	201.0315	0.0
load	N_1700093451	constant_power_B_reac	402.063	0.0	201.0315	0.0
load	N_1700018999	constant_power_A	823.575	270.696	411.7875	135.348
load	N_1700018999	constant_power_B	823.575	270.696	411.7875	135.348
load	N_1700018999	constant_power_A_real	823.575	0.0	411.7875	0.0
load	N_1700018999	constant_power_B_real	823.575	0.0	411.7875	0.0
load	N_1700018999	constant_power_A_reac	270.696	0.0	135.348	0.0
load	N_1700018999	constant_power_B_reac	270.696	0.0	135.348	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700096106	constant_power_A	5964.86	3696.69	2982.43	1848.345
load	N_1700096106	constant_power_A_real	5964.86	0.0	2982.43	0.0
load	N_1700096106	constant_power_A_reac	3696.69	0.0	1848.345	0.0
load	N_1700093459	constant_power_A	454.178	157.506	227.089	78.753
load	N_1700093459	constant_power_B	454.178	157.506	227.089	78.753
load	N_1700093459	constant_power_C	454.178	157.506	227.089	78.753
load	N_1700093459	constant_power_A_real	454.178	0.0	227.089	0.0
load	N_1700093459	constant_power_B_real	454.178	0.0	227.089	0.0
load	N_1700093459	constant_power_C_real	454.178	0.0	227.089	0.0
load	N_1700093459	constant_power_A_reac	157.506	0.0	78.753	0.0
load	N_1700093459	constant_power_B_reac	157.506	0.0	78.753	0.0
load	N_1700093459	constant_power_C_reac	157.506	0.0	78.753	0.0
load	N_1700121704	constant_power_A	16.1487	5.30781	8.07435	2.653905
load	N_1700121704	constant_power_B	16.1487	5.30781	8.07435	2.653905
load	N_1700121704	constant_power_C	16.1487	5.30781	8.07435	2.653905
load	N_1700121704	constant_power_A_real	16.1487	0.0	8.07435	0.0
load	N_1700121704	constant_power_B_real	16.1487	0.0	8.07435	0.0
load	N_1700121704	constant_power_C_real	16.1487	0.0	8.07435	0.0
load	N_1700121704	constant_power_A_reac	5.30781	0.0	2.653905	0.0
load	N_1700121704	constant_power_B_reac	5.30781	0.0	2.653905	0.0
load	N_1700121704	constant_power_C_reac	5.30781	0.0	2.653905	0.0
load	N_1700122424	constant_power_A	617.682	203.022	308.841	101.511
load	N_1700122424	constant_power_B	617.682	203.022	308.841	101.511
load	N_1700122424	constant_power_A_real	617.682	0.0	308.841	0.0
load	N_1700122424	constant_power_B_real	617.682	0.0	308.841	0.0
load	N_1700122424	constant_power_A_reac	203.022	0.0	101.511	0.0
load	N_1700122424	constant_power_B_reac	203.022	0.0	101.511	0.0
load	N_1700094511	constant_power_A	2024.62	1254.75	1012.31	627.375
load	N_1700094511	constant_power_B	2024.62	1254.75	1012.31	627.375
load	N_1700094511	constant_power_C	2024.62	1254.75	1012.31	627.375
load	N_1700094511	constant_power_A_real	2024.62	0.0	1012.31	0.0
load	N_1700094511	constant_power_B_real	2024.62	0.0	1012.31	0.0
load	N_1700094511	constant_power_C_real	2024.62	0.0	1012.31	0.0
load	N_1700094511	constant_power_A_reac	1254.75	0.0	627.375	0.0
load	N_1700094511	constant_power_B_reac	1254.75	0.0	627.375	0.0
load	N_1700094511	constant_power_C_reac	1254.75	0.0	627.375	0.0
load	N_1700094695	constant_power_A	6626.96	4107.02	3313.48	2053.51
load	N_1700094695	constant_power_B	6626.96	4107.02	3313.48	2053.51
load	N_1700094695	constant_power_C	6626.96	4107.02	3313.48	2053.51
load	N_1700094695	constant_power_A_real	6626.96	0.0	3313.48	0.0
load	N_1700094695	constant_power_B_real	6626.96	0.0	3313.48	0.0
load	N_1700094695	constant_power_C_real	6626.96	0.0	3313.48	0.0
load	N_1700094695	constant_power_A_reac	4107.02	0.0	2053.51	0.0
load	N_1700094695	constant_power_B_reac	4107.02	0.0	2053.51	0.0
load	N_1700094695	constant_power_C_reac	4107.02	0.0	2053.51	0.0
load	N_1700094694	constant_power_A	811.464	266.715	405.732	133.3575
load	N_1700094694	constant_power_B	811.464	266.715	405.732	133.3575
load	N_1700094694	constant_power_C	811.464	266.715	405.732	133.3575
load	N_1700094694	constant_power_A_real	811.464	0.0	405.732	0.0
load	N_1700094694	constant_power_B_real	811.464	0.0	405.732	0.0
load	N_1700094694	constant_power_C_real	811.464	0.0	405.732	0.0
load	N_1700094694	constant_power_A_reac	266.715	0.0	133.3575	0.0
load	N_1700094694	constant_power_B_reac	266.715	0.0	133.3575	0.0
load	N_1700094694	constant_power_C_reac	266.715	0.0	133.3575	0.0
load	N_1700094696	constant_power_A	1822.77	599.114	911.385	299.557
load	N_1700094696	constant_power_B	1822.77	599.114	911.385	299.557
load	N_1700094696	constant_power_C	1822.77	599.114	911.385	299.557
load	N_1700094696	constant_power_A_real	1822.77	0.0	911.385	0.0
load	N_1700094696	constant_power_B_real	1822.77	0.0	911.385	0.0
load	N_1700094696	constant_power_C_real	1822.77	0.0	911.385	0.0
load	N_1700094696	constant_power_A_reac	599.114	0.0	299.557	0.0
load	N_1700094696	constant_power_B_reac	599.114	0.0	299.557	0.0
load	N_1700094696	constant_power_C_reac	599.114	0.0	299.557	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094693	constant_power_A	763.018	250.792	381.509	125.396
load	N_1700094693	constant_power_B	763.018	250.792	381.509	125.396
load	N_1700094693	constant_power_C	763.018	250.792	381.509	125.396
load	N_1700094693	constant_power_A_real	763.018	0.0	381.509	0.0
load	N_1700094693	constant_power_B_real	763.018	0.0	381.509	0.0
load	N_1700094693	constant_power_C_real	763.018	0.0	381.509	0.0
load	N_1700094693	constant_power_A_reac	250.792	0.0	125.396	0.0
load	N_1700094693	constant_power_B_reac	250.792	0.0	125.396	0.0
load	N_1700094693	constant_power_C_reac	250.792	0.0	125.396	0.0
load	N_1700094699	constant_power_A	2587.8	850.57	1293.9	425.285
load	N_1700094699	constant_power_B	2587.8	850.57	1293.9	425.285
load	N_1700094699	constant_power_C	2587.8	850.57	1293.9	425.285
load	N_1700094699	constant_power_A_real	2587.8	0.0	1293.9	0.0
load	N_1700094699	constant_power_B_real	2587.8	0.0	1293.9	0.0
load	N_1700094699	constant_power_C_real	2587.8	0.0	1293.9	0.0
load	N_1700094699	constant_power_A_reac	850.57	0.0	425.285	0.0
load	N_1700094699	constant_power_B_reac	850.57	0.0	425.285	0.0
load	N_1700094699	constant_power_C_reac	850.57	0.0	425.285	0.0
load	N_1700094698	constant_power_A	2413.2	885.715	1206.6	442.8575
load	N_1700094698	constant_power_B	2413.2	885.715	1206.6	442.8575
load	N_1700094698	constant_power_A_real	2413.2	0.0	1206.6	0.0
load	N_1700094698	constant_power_B_real	2413.2	0.0	1206.6	0.0
load	N_1700094698	constant_power_A_reac	885.715	0.0	442.8575	0.0
load	N_1700094698	constant_power_B_reac	885.715	0.0	442.8575	0.0
load	N_1700018396	constant_power_A	31252.3	65244.0	15626.15	32622.0
load	N_1700018396	constant_power_B	31252.3	65244.0	15626.15	32622.0
load	N_1700018396	constant_power_C	31252.3	65244.0	15626.15	32622.0
load	N_1700018396	constant_power_A_real	31252.3	0.0	15626.15	0.0
load	N_1700018396	constant_power_B_real	31252.3	0.0	15626.15	0.0
load	N_1700018396	constant_power_C_real	31252.3	0.0	15626.15	0.0
load	N_1700018396	constant_power_A_reac	65244.0	0.0	32622.0	0.0
load	N_1700018396	constant_power_B_reac	65244.0	0.0	32622.0	0.0
load	N_1700018396	constant_power_C_reac	65244.0	0.0	32622.0	0.0
load	N_1700091740	constant_power_A	3098.5	1920.28	1549.25	960.14
load	N_1700091740	constant_power_B	3098.5	1920.28	1549.25	960.14
load	N_1700091740	constant_power_C	3098.5	1920.28	1549.25	960.14
load	N_1700091740	constant_power_A_real	3098.5	0.0	1549.25	0.0
load	N_1700091740	constant_power_B_real	3098.5	0.0	1549.25	0.0
load	N_1700091740	constant_power_C_real	3098.5	0.0	1549.25	0.0
load	N_1700091740	constant_power_A_reac	1920.28	0.0	960.14	0.0
load	N_1700091740	constant_power_B_reac	1920.28	0.0	960.14	0.0
load	N_1700091740	constant_power_C_reac	1920.28	0.0	960.14	0.0
load	N_1700091741	constant_power_A	16666.7	10329.1	8333.35	5164.55
load	N_1700091741	constant_power_B	16666.7	10329.1	8333.35	5164.55
load	N_1700091741	constant_power_C	16666.7	10329.1	8333.35	5164.55
load	N_1700091741	constant_power_A_real	16666.7	0.0	8333.35	0.0
load	N_1700091741	constant_power_B_real	16666.7	0.0	8333.35	0.0
load	N_1700091741	constant_power_C_real	16666.7	0.0	8333.35	0.0
load	N_1700091741	constant_power_A_reac	10329.1	0.0	5164.55	0.0
load	N_1700091741	constant_power_B_reac	10329.1	0.0	5164.55	0.0
load	N_1700091741	constant_power_C_reac	10329.1	0.0	5164.55	0.0
load	N_1700093094	constant_power_A	1297.94	426.612	648.97	213.306
load	N_1700093094	constant_power_B	1297.94	426.612	648.97	213.306
load	N_1700093094	constant_power_C	1297.94	426.612	648.97	213.306
load	N_1700093094	constant_power_A_real	1297.94	0.0	648.97	0.0
load	N_1700093094	constant_power_B_real	1297.94	0.0	648.97	0.0
load	N_1700093094	constant_power_C_real	1297.94	0.0	648.97	0.0
load	N_1700093094	constant_power_A_reac	426.612	0.0	213.306	0.0
load	N_1700093094	constant_power_B_reac	426.612	0.0	213.306	0.0
load	N_1700093094	constant_power_C_reac	426.612	0.0	213.306	0.0
load	N_1700093092	constant_power_A	551.069	181.128	275.5345	90.564
load	N_1700093092	constant_power_B	551.069	181.128	275.5345	90.564
load	N_1700093092	constant_power_C	551.069	181.128	275.5345	90.564

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093092	constant_power_A_real	551.069	0.0	275.5345	0.0
load	N_1700093092	constant_power_B_real	551.069	0.0	275.5345	0.0
load	N_1700093092	constant_power_C_real	551.069	0.0	275.5345	0.0
load	N_1700093092	constant_power_A_reac	181.128	0.0	90.564	0.0
load	N_1700093092	constant_power_B_reac	181.128	0.0	90.564	0.0
load	N_1700093092	constant_power_C_reac	181.128	0.0	90.564	0.0
load	N_1700091745	constant_power_A	1005.25	622.996	502.625	311.498
load	N_1700091745	constant_power_B	1005.25	622.996	502.625	311.498
load	N_1700091745	constant_power_C	1005.25	622.996	502.625	311.498
load	N_1700091745	constant_power_A_real	1005.25	0.0	502.625	0.0
load	N_1700091745	constant_power_B_real	1005.25	0.0	502.625	0.0
load	N_1700091745	constant_power_C_real	1005.25	0.0	502.625	0.0
load	N_1700091745	constant_power_A_reac	622.996	0.0	311.498	0.0
load	N_1700091745	constant_power_B_reac	622.996	0.0	311.498	0.0
load	N_1700091745	constant_power_C_reac	622.996	0.0	311.498	0.0
load	N_1700093090	constant_power_A	508.679	167.195	254.3395	83.5975
load	N_1700093090	constant_power_B	508.679	167.195	254.3395	83.5975
load	N_1700093090	constant_power_A_real	508.679	0.0	254.3395	0.0
load	N_1700093090	constant_power_B_real	508.679	0.0	254.3395	0.0
load	N_1700093090	constant_power_A_reac	167.195	0.0	83.5975	0.0
load	N_1700093090	constant_power_B_reac	167.195	0.0	83.5975	0.0
load	N_1700093091	constant_power_A	100.928	33.1735	50.464	16.58675
load	N_1700093091	constant_power_B	100.928	33.1735	50.464	16.58675
load	N_1700093091	constant_power_C	100.928	33.1735	50.464	16.58675
load	N_1700093091	constant_power_A_real	100.928	0.0	50.464	0.0
load	N_1700093091	constant_power_B_real	100.928	0.0	50.464	0.0
load	N_1700093091	constant_power_C_real	100.928	0.0	50.464	0.0
load	N_1700093091	constant_power_A_reac	33.1735	0.0	16.58675	0.0
load	N_1700093091	constant_power_B_reac	33.1735	0.0	16.58675	0.0
load	N_1700093091	constant_power_C_reac	33.1735	0.0	16.58675	0.0
load	N_1700091748	constant_power_A	5296.72	3282.61	2648.36	1641.305
load	N_1700091748	constant_power_B	5296.72	3282.61	2648.36	1641.305
load	N_1700091748	constant_power_C	5296.72	3282.61	2648.36	1641.305
load	N_1700091748	constant_power_A_real	5296.72	0.0	2648.36	0.0
load	N_1700091748	constant_power_B_real	5296.72	0.0	2648.36	0.0
load	N_1700091748	constant_power_C_real	5296.72	0.0	2648.36	0.0
load	N_1700091748	constant_power_A_reac	3282.61	0.0	1641.305	0.0
load	N_1700091748	constant_power_B_reac	3282.61	0.0	1641.305	0.0
load	N_1700091748	constant_power_C_reac	3282.61	0.0	1641.305	0.0
load	N_1700093047	constant_power_A	18.167	5.9712	9.0835	2.9856
load	N_1700093047	constant_power_B	18.167	5.9712	9.0835	2.9856
load	N_1700093047	constant_power_C	18.167	5.9712	9.0835	2.9856
load	N_1700093047	constant_power_A_real	18.167	0.0	9.0835	0.0
load	N_1700093047	constant_power_B_real	18.167	0.0	9.0835	0.0
load	N_1700093047	constant_power_C_real	18.167	0.0	9.0835	0.0
load	N_1700093047	constant_power_A_reac	5.9712	0.0	2.9856	0.0
load	N_1700093047	constant_power_B_reac	5.9712	0.0	2.9856	0.0
load	N_1700093047	constant_power_C_reac	5.9712	0.0	2.9856	0.0
load	N_1700010557	constant_power_A	189.745	62.3663	94.8725	31.18315
load	N_1700010557	constant_power_B	189.745	62.3663	94.8725	31.18315
load	N_1700010557	constant_power_C	189.745	62.3663	94.8725	31.18315
load	N_1700010557	constant_power_A_real	189.745	0.0	94.8725	0.0
load	N_1700010557	constant_power_B_real	189.745	0.0	94.8725	0.0
load	N_1700010557	constant_power_C_real	189.745	0.0	94.8725	0.0
load	N_1700010557	constant_power_A_reac	62.3663	0.0	31.18315	0.0
load	N_1700010557	constant_power_B_reac	62.3663	0.0	31.18315	0.0
load	N_1700010557	constant_power_C_reac	62.3663	0.0	31.18315	0.0
load	N_1700086894	constant_power_A	805.408	264.725	402.704	132.3625
load	N_1700086894	constant_power_B	805.408	264.725	402.704	132.3625
load	N_1700086894	constant_power_A_real	805.408	0.0	402.704	0.0
load	N_1700086894	constant_power_B_real	805.408	0.0	402.704	0.0
load	N_1700086894	constant_power_A_reac	264.725	0.0	132.3625	0.0
load	N_1700086894	constant_power_B_reac	264.725	0.0	132.3625	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093040	constant_power_A	1822.77	599.114	911.385	299.557
load	N_1700093040	constant_power_A_real	1822.77	0.0	911.385	0.0
load	N_1700093040	constant_power_A_reac	599.114	0.0	299.557	0.0
load	N_1700093522	constant_power_A	1556.32	511.536	778.16	255.768
load	N_1700093522	constant_power_B	1556.32	511.536	778.16	255.768
load	N_1700093522	constant_power_A_real	1556.32	0.0	778.16	0.0
load	N_1700093522	constant_power_B_real	1556.32	0.0	778.16	0.0
load	N_1700093522	constant_power_A_reac	511.536	0.0	255.768	0.0
load	N_1700093522	constant_power_B_reac	511.536	0.0	255.768	0.0
load	N_1700093521	constant_power_A	2.01867	1.25106	1.009335	0.62553
load	N_1700093521	constant_power_B	2.01867	1.25106	1.009335	0.62553
load	N_1700093521	constant_power_C	2.01867	1.25106	1.009335	0.62553
load	N_1700093521	constant_power_A_real	2.01867	0.0	1.009335	0.0
load	N_1700093521	constant_power_B_real	2.01867	0.0	1.009335	0.0
load	N_1700093521	constant_power_C_real	2.01867	0.0	1.009335	0.0
load	N_1700093521	constant_power_A_reac	1.25106	0.0	0.62553	0.0
load	N_1700093521	constant_power_B_reac	1.25106	0.0	0.62553	0.0
load	N_1700093521	constant_power_C_reac	1.25106	0.0	0.62553	0.0
load	N_1700093526	constant_power_A	567.217	194.073	283.6085	97.0365
load	N_1700093526	constant_power_B	567.217	194.073	283.6085	97.0365
load	N_1700093526	constant_power_C	567.217	194.073	283.6085	97.0365
load	N_1700093526	constant_power_A_real	567.217	0.0	283.6085	0.0
load	N_1700093526	constant_power_B_real	567.217	0.0	283.6085	0.0
load	N_1700093526	constant_power_C_real	567.217	0.0	283.6085	0.0
load	N_1700093526	constant_power_A_reac	194.073	0.0	97.0365	0.0
load	N_1700093526	constant_power_B_reac	194.073	0.0	97.0365	0.0
load	N_1700093526	constant_power_C_reac	194.073	0.0	97.0365	0.0
load	N_1700093524	constant_power_A	1253.53	412.015	626.765	206.0075
load	N_1700093524	constant_power_A_real	1253.53	0.0	626.765	0.0
load	N_1700093524	constant_power_A_reac	412.015	0.0	206.0075	0.0
load	N_1700018628	constant_power_A	4632.61	1522.67	2316.305	761.335
load	N_1700018628	constant_power_B	4632.61	1522.67	2316.305	761.335
load	N_1700018628	constant_power_A_real	4632.61	0.0	2316.305	0.0
load	N_1700018628	constant_power_B_real	4632.61	0.0	2316.305	0.0
load	N_1700018628	constant_power_A_reac	1522.67	0.0	761.335	0.0
load	N_1700018628	constant_power_B_reac	1522.67	0.0	761.335	0.0
load	N_1700093529	constant_power_A	6606.77	2171.54	3303.385	1085.77
load	N_1700093529	constant_power_A_real	6606.77	0.0	3303.385	0.0
load	N_1700093529	constant_power_A_reac	2171.54	0.0	1085.77	0.0
load	N_1700093917	constant_power_A	559.143	294.236	279.5715	147.118
load	N_1700093917	constant_power_B	559.143	294.236	279.5715	147.118
load	N_1700093917	constant_power_C	559.143	294.236	279.5715	147.118
load	N_1700093917	constant_power_A_real	559.143	0.0	279.5715	0.0
load	N_1700093917	constant_power_B_real	559.143	0.0	279.5715	0.0
load	N_1700093917	constant_power_C_real	559.143	0.0	279.5715	0.0
load	N_1700093917	constant_power_A_reac	294.236	0.0	147.118	0.0
load	N_1700093917	constant_power_B_reac	294.236	0.0	147.118	0.0
load	N_1700093917	constant_power_C_reac	294.236	0.0	147.118	0.0
load	N_1700093856	constant_power_A	407.751	134.021	203.8755	67.0105
load	N_1700093856	constant_power_B	407.751	134.021	203.8755	67.0105
load	N_1700093856	constant_power_C	407.751	134.021	203.8755	67.0105
load	N_1700093856	constant_power_A_real	407.751	0.0	203.8755	0.0
load	N_1700093856	constant_power_B_real	407.751	0.0	203.8755	0.0
load	N_1700093856	constant_power_C_real	407.751	0.0	203.8755	0.0
load	N_1700093856	constant_power_A_reac	134.021	0.0	67.0105	0.0
load	N_1700093856	constant_power_B_reac	134.021	0.0	67.0105	0.0
load	N_1700093856	constant_power_C_reac	134.021	0.0	67.0105	0.0
load	N_1700093854	constant_power_A	86.7983	28.5292	43.39915	14.2646
load	N_1700093854	constant_power_B	86.7983	28.5292	43.39915	14.2646
load	N_1700093854	constant_power_C	86.7983	28.5292	43.39915	14.2646
load	N_1700093854	constant_power_A_real	86.7983	0.0	43.39915	0.0
load	N_1700093854	constant_power_B_real	86.7983	0.0	43.39915	0.0
load	N_1700093854	constant_power_C_real	86.7983	0.0	43.39915	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093854	constant_power_A_reac	28.5292	0.0	14.2646	0.0
load	N_1700093854	constant_power_B_reac	28.5292	0.0	14.2646	0.0
load	N_1700093854	constant_power_C_reac	28.5292	0.0	14.2646	0.0
load	N_1700262919	constant_power_A	4771.89	2957.35	2385.945	1478.675
load	N_1700262919	constant_power_B	4771.89	2957.35	2385.945	1478.675
load	N_1700262919	constant_power_C	4771.89	2957.35	2385.945	1478.675
load	N_1700262919	constant_power_A_real	4771.89	0.0	2385.945	0.0
load	N_1700262919	constant_power_B_real	4771.89	0.0	2385.945	0.0
load	N_1700262919	constant_power_C_real	4771.89	0.0	2385.945	0.0
load	N_1700262919	constant_power_A_reac	2957.35	0.0	1478.675	0.0
load	N_1700262919	constant_power_B_reac	2957.35	0.0	1478.675	0.0
load	N_1700262919	constant_power_C_reac	2957.35	0.0	1478.675	0.0
load	N_1700060041	constant_power_A	1053.69	484.4	526.845	242.2
load	N_1700060041	constant_power_B	1053.69	484.4	526.845	242.2
load	N_1700060041	constant_power_C	1053.69	484.4	526.845	242.2
load	N_1700060041	constant_power_A_real	1053.69	0.0	526.845	0.0
load	N_1700060041	constant_power_B_real	1053.69	0.0	526.845	0.0
load	N_1700060041	constant_power_C_real	1053.69	0.0	526.845	0.0
load	N_1700060041	constant_power_A_reac	484.4	0.0	242.2	0.0
load	N_1700060041	constant_power_B_reac	484.4	0.0	242.2	0.0
load	N_1700060041	constant_power_C_reac	484.4	0.0	242.2	0.0
load	N_1700061111	constant_power_A	137.263	85.0678	68.6315	42.5339
load	N_1700061111	constant_power_B	137.263	85.0678	68.6315	42.5339
load	N_1700061111	constant_power_C	137.263	85.0678	68.6315	42.5339
load	N_1700061111	constant_power_A_real	137.263	0.0	68.6315	0.0
load	N_1700061111	constant_power_B_real	137.263	0.0	68.6315	0.0
load	N_1700061111	constant_power_C_real	137.263	0.0	68.6315	0.0
load	N_1700061111	constant_power_A_reac	85.0678	0.0	42.5339	0.0
load	N_1700061111	constant_power_B_reac	85.0678	0.0	42.5339	0.0
load	N_1700061111	constant_power_C_reac	85.0678	0.0	42.5339	0.0
load	N_1700009949	constant_power_A	276.544	90.8955	138.272	45.44775
load	N_1700009949	constant_power_B	276.544	90.8955	138.272	45.44775
load	N_1700009949	constant_power_C	276.544	90.8955	138.272	45.44775
load	N_1700009949	constant_power_A_real	276.544	0.0	138.272	0.0
load	N_1700009949	constant_power_B_real	276.544	0.0	138.272	0.0
load	N_1700009949	constant_power_C_real	276.544	0.0	138.272	0.0
load	N_1700009949	constant_power_A_reac	90.8955	0.0	45.44775	0.0
load	N_1700009949	constant_power_B_reac	90.8955	0.0	45.44775	0.0
load	N_1700009949	constant_power_C_reac	90.8955	0.0	45.44775	0.0
load	N_1700054248	constant_power_A	1879.29	1164.68	939.645	582.34
load	N_1700054248	constant_power_B	1879.29	1164.68	939.645	582.34
load	N_1700054248	constant_power_C	1879.29	1164.68	939.645	582.34
load	N_1700054248	constant_power_A_real	1879.29	0.0	939.645	0.0
load	N_1700054248	constant_power_B_real	1879.29	0.0	939.645	0.0
load	N_1700054248	constant_power_C_real	1879.29	0.0	939.645	0.0
load	N_1700054248	constant_power_A_reac	1164.68	0.0	582.34	0.0
load	N_1700054248	constant_power_B_reac	1164.68	0.0	582.34	0.0
load	N_1700054248	constant_power_C_reac	1164.68	0.0	582.34	0.0
load	N_1700009960	constant_power_A	159.467	52.4142	79.7335	26.2071
load	N_1700009960	constant_power_B	159.467	52.4142	79.7335	26.2071
load	N_1700009960	constant_power_C	159.467	52.4142	79.7335	26.2071
load	N_1700009960	constant_power_A_real	159.467	0.0	79.7335	0.0
load	N_1700009960	constant_power_B_real	159.467	0.0	79.7335	0.0
load	N_1700009960	constant_power_C_real	159.467	0.0	79.7335	0.0
load	N_1700009960	constant_power_A_reac	52.4142	0.0	26.2071	0.0
load	N_1700009960	constant_power_B_reac	52.4142	0.0	26.2071	0.0
load	N_1700009960	constant_power_C_reac	52.4142	0.0	26.2071	0.0
load	N_1700009944	constant_power_A	2040.77	801.2	1020.385	400.6
load	N_1700009944	constant_power_B	2040.77	801.2	1020.385	400.6
load	N_1700009944	constant_power_C	2040.77	801.2	1020.385	400.6
load	N_1700009944	constant_power_A_real	2040.77	0.0	1020.385	0.0
load	N_1700009944	constant_power_B_real	2040.77	0.0	1020.385	0.0
load	N_1700009944	constant_power_C_real	2040.77	0.0	1020.385	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700009944	constant_power_A_reac	801.2	0.0	400.6	0.0
load	N_1700009944	constant_power_B_reac	801.2	0.0	400.6	0.0
load	N_1700009944	constant_power_C_reac	801.2	0.0	400.6	0.0
load	N_1700093008	constant_power_A	304.804	100.184	152.402	50.092
load	N_1700093008	constant_power_B	304.804	100.184	152.402	50.092
load	N_1700093008	constant_power_C	304.804	100.184	152.402	50.092
load	N_1700093008	constant_power_A_real	304.804	0.0	152.402	0.0
load	N_1700093008	constant_power_B_real	304.804	0.0	152.402	0.0
load	N_1700093008	constant_power_C_real	304.804	0.0	152.402	0.0
load	N_1700093008	constant_power_A_reac	100.184	0.0	50.092	0.0
load	N_1700093008	constant_power_B_reac	100.184	0.0	50.092	0.0
load	N_1700093008	constant_power_C_reac	100.184	0.0	50.092	0.0
load	N_1700009965	constant_power_A	88.817	29.1927	44.4085	14.59635
load	N_1700009965	constant_power_B	88.817	29.1927	44.4085	14.59635
load	N_1700009965	constant_power_C	88.817	29.1927	44.4085	14.59635
load	N_1700009965	constant_power_A_real	88.817	0.0	44.4085	0.0
load	N_1700009965	constant_power_B_real	88.817	0.0	44.4085	0.0
load	N_1700009965	constant_power_C_real	88.817	0.0	44.4085	0.0
load	N_1700009965	constant_power_A_reac	29.1927	0.0	14.59635	0.0
load	N_1700009965	constant_power_B_reac	29.1927	0.0	14.59635	0.0
load	N_1700009965	constant_power_C_reac	29.1927	0.0	14.59635	0.0
load	N_1700093005	constant_power_A	694.387	228.234	347.1935	114.117
load	N_1700093005	constant_power_B	694.387	228.234	347.1935	114.117
load	N_1700093005	constant_power_C	694.387	228.234	347.1935	114.117
load	N_1700093005	constant_power_A_real	694.387	0.0	347.1935	0.0
load	N_1700093005	constant_power_B_real	694.387	0.0	347.1935	0.0
load	N_1700093005	constant_power_C_real	694.387	0.0	347.1935	0.0
load	N_1700093005	constant_power_A_reac	228.234	0.0	114.117	0.0
load	N_1700093005	constant_power_B_reac	228.234	0.0	114.117	0.0
load	N_1700093005	constant_power_C_reac	228.234	0.0	114.117	0.0
load	N_1700093007	constant_power_A	1836.9	603.759	918.45	301.8795
load	N_1700093007	constant_power_B	1836.9	603.759	918.45	301.8795
load	N_1700093007	constant_power_C	1836.9	603.759	918.45	301.8795
load	N_1700093007	constant_power_A_real	1836.9	0.0	918.45	0.0
load	N_1700093007	constant_power_B_real	1836.9	0.0	918.45	0.0
load	N_1700093007	constant_power_C_real	1836.9	0.0	918.45	0.0
load	N_1700093007	constant_power_A_reac	603.759	0.0	301.8795	0.0
load	N_1700093007	constant_power_B_reac	603.759	0.0	301.8795	0.0
load	N_1700093007	constant_power_C_reac	603.759	0.0	301.8795	0.0
load	N_1700093006	constant_power_A	349.212	114.78	174.606	57.39
load	N_1700093006	constant_power_B	349.212	114.78	174.606	57.39
load	N_1700093006	constant_power_C	349.212	114.78	174.606	57.39
load	N_1700093006	constant_power_A_real	349.212	0.0	174.606	0.0
load	N_1700093006	constant_power_B_real	349.212	0.0	174.606	0.0
load	N_1700093006	constant_power_C_real	349.212	0.0	174.606	0.0
load	N_1700093006	constant_power_A_reac	114.78	0.0	57.39	0.0
load	N_1700093006	constant_power_B_reac	114.78	0.0	57.39	0.0
load	N_1700093006	constant_power_C_reac	114.78	0.0	57.39	0.0
load	N_1700080090	constant_power_A	488.493	160.56	244.2465	80.28
load	N_1700080090	constant_power_B	488.493	160.56	244.2465	80.28
load	N_1700080090	constant_power_C	488.493	160.56	244.2465	80.28
load	N_1700080090	constant_power_A_real	488.493	0.0	244.2465	0.0
load	N_1700080090	constant_power_B_real	488.493	0.0	244.2465	0.0
load	N_1700080090	constant_power_C_real	488.493	0.0	244.2465	0.0
load	N_1700080090	constant_power_A_reac	160.56	0.0	80.28	0.0
load	N_1700080090	constant_power_B_reac	160.56	0.0	80.28	0.0
load	N_1700080090	constant_power_C_reac	160.56	0.0	80.28	0.0
load	N_1700120330	constant_power_A	43666.7	27062.2	21833.35	13531.1
load	N_1700120330	constant_power_B	43666.7	27062.2	21833.35	13531.1
load	N_1700120330	constant_power_C	43666.7	27062.2	21833.35	13531.1
load	N_1700120330	constant_power_A_real	43666.7	0.0	21833.35	0.0
load	N_1700120330	constant_power_B_real	43666.7	0.0	21833.35	0.0
load	N_1700120330	constant_power_C_real	43666.7	0.0	21833.35	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700120330	constant_power_A_reac	27062.2	0.0	13531.1	0.0
load	N_1700120330	constant_power_B_reac	27062.2	0.0	13531.1	0.0
load	N_1700120330	constant_power_C_reac	27062.2	0.0	13531.1	0.0
load	N_1700064277	constant_power_A	887.16	291.595	443.58	145.7975
load	N_1700064277	constant_power_B	887.16	291.595	443.58	145.7975
load	N_1700064277	constant_power_A_real	887.16	0.0	443.58	0.0
load	N_1700064277	constant_power_B_real	887.16	0.0	443.58	0.0
load	N_1700064277	constant_power_A_reac	291.595	0.0	145.7975	0.0
load	N_1700064277	constant_power_B_reac	291.595	0.0	145.7975	0.0
load	N_1700119080	constant_power_A	466.289	170.888	233.1445	85.444
load	N_1700119080	constant_power_B	466.289	170.888	233.1445	85.444
load	N_1700119080	constant_power_C	466.289	170.888	233.1445	85.444
load	N_1700119080	constant_power_A_real	466.289	0.0	233.1445	0.0
load	N_1700119080	constant_power_B_real	466.289	0.0	233.1445	0.0
load	N_1700119080	constant_power_C_real	466.289	0.0	233.1445	0.0
load	N_1700119080	constant_power_A_reac	170.888	0.0	85.444	0.0
load	N_1700119080	constant_power_B_reac	170.888	0.0	85.444	0.0
load	N_1700119080	constant_power_C_reac	170.888	0.0	85.444	0.0
load	N_1700043129	constant_power_A	1883.32	619.018	941.66	309.509
load	N_1700043129	constant_power_A_real	1883.32	0.0	941.66	0.0
load	N_1700043129	constant_power_A_reac	619.018	0.0	309.509	0.0
load	N_1700018750	constant_power_A	2258.78	742.424	1129.39	371.212
load	N_1700018750	constant_power_A_real	2258.78	0.0	1129.39	0.0
load	N_1700018750	constant_power_A_reac	742.424	0.0	371.212	0.0
load	N_1700111796	constant_power_A	3566.81	1172.35	1783.405	586.175
load	N_1700111796	constant_power_A_real	3566.81	0.0	1783.405	0.0
load	N_1700111796	constant_power_A_reac	1172.35	0.0	586.175	0.0
load	N_1700018751	constant_power_A	421.881	149.241	210.9405	74.6205
load	N_1700018751	constant_power_B	421.881	149.241	210.9405	74.6205
load	N_1700018751	constant_power_C	421.881	149.241	210.9405	74.6205
load	N_1700018751	constant_power_A_real	421.881	0.0	210.9405	0.0
load	N_1700018751	constant_power_B_real	421.881	0.0	210.9405	0.0
load	N_1700018751	constant_power_C_real	421.881	0.0	210.9405	0.0
load	N_1700018751	constant_power_A_reac	149.241	0.0	74.6205	0.0
load	N_1700018751	constant_power_B_reac	149.241	0.0	74.6205	0.0
load	N_1700018751	constant_power_C_reac	149.241	0.0	74.6205	0.0
load	N_1700091818	constant_power_A	111.021	36.4909	55.5105	18.24545
load	N_1700091818	constant_power_B	111.021	36.4909	55.5105	18.24545
load	N_1700091818	constant_power_C	111.021	36.4909	55.5105	18.24545
load	N_1700091818	constant_power_A_real	111.021	0.0	55.5105	0.0
load	N_1700091818	constant_power_B_real	111.021	0.0	55.5105	0.0
load	N_1700091818	constant_power_C_real	111.021	0.0	55.5105	0.0
load	N_1700091818	constant_power_A_reac	36.4909	0.0	18.24545	0.0
load	N_1700091818	constant_power_B_reac	36.4909	0.0	18.24545	0.0
load	N_1700091818	constant_power_C_reac	36.4909	0.0	18.24545	0.0
load	N_1700064634	constant_power_A	2479.81	815.074	1239.905	407.537
load	N_1700064634	constant_power_B	2479.81	815.074	1239.905	407.537
load	N_1700064634	constant_power_A_real	2479.81	0.0	1239.905	0.0
load	N_1700064634	constant_power_B_real	2479.81	0.0	1239.905	0.0
load	N_1700064634	constant_power_A_reac	815.074	0.0	407.537	0.0
load	N_1700064634	constant_power_B_reac	815.074	0.0	407.537	0.0
load	N_1700050960	constant_power_A	723.656	237.854	361.828	118.927
load	N_1700050960	constant_power_B	723.656	237.854	361.828	118.927
load	N_1700050960	constant_power_A_real	723.656	0.0	361.828	0.0
load	N_1700050960	constant_power_B_real	723.656	0.0	361.828	0.0
load	N_1700050960	constant_power_A_reac	237.854	0.0	118.927	0.0
load	N_1700050960	constant_power_B_reac	237.854	0.0	118.927	0.0
load	N_1700091812	constant_power_A	90.836	29.8563	45.418	14.92815
load	N_1700091812	constant_power_B	90.836	29.8563	45.418	14.92815
load	N_1700091812	constant_power_A_real	90.836	0.0	45.418	0.0
load	N_1700091812	constant_power_B_real	90.836	0.0	45.418	0.0
load	N_1700091812	constant_power_A_reac	29.8563	0.0	14.92815	0.0
load	N_1700091812	constant_power_B_reac	29.8563	0.0	14.92815	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700091813	constant_power_A	726.684	238.849	363.342	119.4245
load	N_1700091813	constant_power_B	726.684	238.849	363.342	119.4245
load	N_1700091813	constant_power_C	726.684	238.849	363.342	119.4245
load	N_1700091813	constant_power_A_real	726.684	0.0	363.342	0.0
load	N_1700091813	constant_power_B_real	726.684	0.0	363.342	0.0
load	N_1700091813	constant_power_C_real	726.684	0.0	363.342	0.0
load	N_1700091813	constant_power_A_reac	238.849	0.0	119.4245	0.0
load	N_1700091813	constant_power_B_reac	238.849	0.0	119.4245	0.0
load	N_1700091813	constant_power_C_reac	238.849	0.0	119.4245	0.0
load	N_1700091814	constant_power_A	754.944	248.138	377.472	124.069
load	N_1700091814	constant_power_B	754.944	248.138	377.472	124.069
load	N_1700091814	constant_power_C	754.944	248.138	377.472	124.069
load	N_1700091814	constant_power_A_real	754.944	0.0	377.472	0.0
load	N_1700091814	constant_power_B_real	754.944	0.0	377.472	0.0
load	N_1700091814	constant_power_C_real	754.944	0.0	377.472	0.0
load	N_1700091814	constant_power_A_reac	248.138	0.0	124.069	0.0
load	N_1700091814	constant_power_B_reac	248.138	0.0	124.069	0.0
load	N_1700091814	constant_power_C_reac	248.138	0.0	124.069	0.0
load	N_1700091816	constant_power_A	369.398	121.415	184.699	60.7075
load	N_1700091816	constant_power_B	369.398	121.415	184.699	60.7075
load	N_1700091816	constant_power_C	369.398	121.415	184.699	60.7075
load	N_1700091816	constant_power_A_real	369.398	0.0	184.699	0.0
load	N_1700091816	constant_power_B_real	369.398	0.0	184.699	0.0
load	N_1700091816	constant_power_C_real	369.398	0.0	184.699	0.0
load	N_1700091816	constant_power_A_reac	121.415	0.0	60.7075	0.0
load	N_1700091816	constant_power_B_reac	121.415	0.0	60.7075	0.0
load	N_1700091816	constant_power_C_reac	121.415	0.0	60.7075	0.0
load	N_1700069007	constant_power_A	39.362	12.9377	19.681	6.46885
load	N_1700069007	constant_power_B	39.362	12.9377	19.681	6.46885
load	N_1700069007	constant_power_A_real	39.362	0.0	19.681	0.0
load	N_1700069007	constant_power_B_real	39.362	0.0	19.681	0.0
load	N_1700069007	constant_power_A_reac	12.9377	0.0	6.46885	0.0
load	N_1700069007	constant_power_B_reac	12.9377	0.0	6.46885	0.0
load	N_1700118995	constant_power_A	6855.05	4248.38	3427.525	2124.19
load	N_1700118995	constant_power_B	6855.05	4248.38	3427.525	2124.19
load	N_1700118995	constant_power_C	6855.05	4248.38	3427.525	2124.19
load	N_1700118995	constant_power_A_real	6855.05	0.0	3427.525	0.0
load	N_1700118995	constant_power_B_real	6855.05	0.0	3427.525	0.0
load	N_1700118995	constant_power_C_real	6855.05	0.0	3427.525	0.0
load	N_1700118995	constant_power_A_reac	4248.38	0.0	2124.19	0.0
load	N_1700118995	constant_power_B_reac	4248.38	0.0	2124.19	0.0
load	N_1700118995	constant_power_C_reac	4248.38	0.0	2124.19	0.0
load	N_1700094643	constant_power_A	102.947	33.837	51.4735	16.9185
load	N_1700094643	constant_power_B	102.947	33.837	51.4735	16.9185
load	N_1700094643	constant_power_C	102.947	33.837	51.4735	16.9185
load	N_1700094643	constant_power_A_real	102.947	0.0	51.4735	0.0
load	N_1700094643	constant_power_B_real	102.947	0.0	51.4735	0.0
load	N_1700094643	constant_power_C_real	102.947	0.0	51.4735	0.0
load	N_1700094643	constant_power_A_reac	33.837	0.0	16.9185	0.0
load	N_1700094643	constant_power_B_reac	33.837	0.0	16.9185	0.0
load	N_1700094643	constant_power_C_reac	33.837	0.0	16.9185	0.0
load	N_1700093678	constant_power_A	528.865	173.829	264.4325	86.9145
load	N_1700093678	constant_power_B	528.865	173.829	264.4325	86.9145
load	N_1700093678	constant_power_C	528.865	173.829	264.4325	86.9145
load	N_1700093678	constant_power_A_real	528.865	0.0	264.4325	0.0
load	N_1700093678	constant_power_B_real	528.865	0.0	264.4325	0.0
load	N_1700093678	constant_power_C_real	528.865	0.0	264.4325	0.0
load	N_1700093678	constant_power_A_reac	173.829	0.0	86.9145	0.0
load	N_1700093678	constant_power_B_reac	173.829	0.0	86.9145	0.0
load	N_1700093678	constant_power_C_reac	173.829	0.0	86.9145	0.0
load	N_1700069003	constant_power_A	1365.56	454.126	682.78	227.063
load	N_1700069003	constant_power_B	1365.56	454.126	682.78	227.063
load	N_1700069003	constant_power_A_real	1365.56	0.0	682.78	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700069003	constant_power_B_real	1365.56	0.0	682.78	0.0
load	N_1700069003	constant_power_A_reac	454.126	0.0	227.063	0.0
load	N_1700069003	constant_power_B_reac	454.126	0.0	227.063	0.0
load	N_1700070132	constant_power_A	222.042	72.9818	111.021	36.4909
load	N_1700070132	constant_power_B	222.042	72.9818	111.021	36.4909
load	N_1700070132	constant_power_C	222.042	72.9818	111.021	36.4909
load	N_1700070132	constant_power_A_real	222.042	0.0	111.021	0.0
load	N_1700070132	constant_power_B_real	222.042	0.0	111.021	0.0
load	N_1700070132	constant_power_C_real	222.042	0.0	111.021	0.0
load	N_1700070132	constant_power_A_reac	72.9818	0.0	36.4909	0.0
load	N_1700070132	constant_power_B_reac	72.9818	0.0	36.4909	0.0
load	N_1700070132	constant_power_C_reac	72.9818	0.0	36.4909	0.0
load	N_1700010413	constant_power_A	417.843	137.338	208.9215	68.669
load	N_1700010413	constant_power_B	417.843	137.338	208.9215	68.669
load	N_1700010413	constant_power_C	417.843	137.338	208.9215	68.669
load	N_1700010413	constant_power_A_real	417.843	0.0	208.9215	0.0
load	N_1700010413	constant_power_B_real	417.843	0.0	208.9215	0.0
load	N_1700010413	constant_power_C_real	417.843	0.0	208.9215	0.0
load	N_1700010413	constant_power_A_reac	137.338	0.0	68.669	0.0
load	N_1700010413	constant_power_B_reac	137.338	0.0	68.669	0.0
load	N_1700010413	constant_power_C_reac	137.338	0.0	68.669	0.0
load	N_1700069008	constant_power_A	650.988	213.969	325.494	106.9845
load	N_1700069008	constant_power_B	650.988	213.969	325.494	106.9845
load	N_1700069008	constant_power_A_real	650.988	0.0	325.494	0.0
load	N_1700069008	constant_power_B_real	650.988	0.0	325.494	0.0
load	N_1700069008	constant_power_A_reac	213.969	0.0	106.9845	0.0
load	N_1700069008	constant_power_B_reac	213.969	0.0	106.9845	0.0
load	N_1700093673	constant_power_A	397.658	154.792	198.829	77.396
load	N_1700093673	constant_power_B	397.658	154.792	198.829	77.396
load	N_1700093673	constant_power_C	397.658	154.792	198.829	77.396
load	N_1700093673	constant_power_A_real	397.658	0.0	198.829	0.0
load	N_1700093673	constant_power_B_real	397.658	0.0	198.829	0.0
load	N_1700093673	constant_power_C_real	397.658	0.0	198.829	0.0
load	N_1700093673	constant_power_A_reac	154.792	0.0	77.396	0.0
load	N_1700093673	constant_power_B_reac	154.792	0.0	77.396	0.0
load	N_1700093673	constant_power_C_reac	154.792	0.0	77.396	0.0
load	N_1700070134	constant_power_A	1235.36	406.044	617.68	203.022
load	N_1700070134	constant_power_B	1235.36	406.044	617.68	203.022
load	N_1700070134	constant_power_A_real	1235.36	0.0	617.68	0.0
load	N_1700070134	constant_power_B_real	1235.36	0.0	617.68	0.0
load	N_1700070134	constant_power_A_reac	406.044	0.0	203.022	0.0
load	N_1700070134	constant_power_B_reac	406.044	0.0	203.022	0.0
load	N_1700094649	constant_power_A	781.185	256.763	390.5925	128.3815
load	N_1700094649	constant_power_B	781.185	256.763	390.5925	128.3815
load	N_1700094649	constant_power_C	781.185	256.763	390.5925	128.3815
load	N_1700094649	constant_power_A_real	781.185	0.0	390.5925	0.0
load	N_1700094649	constant_power_B_real	781.185	0.0	390.5925	0.0
load	N_1700094649	constant_power_C_real	781.185	0.0	390.5925	0.0
load	N_1700094649	constant_power_A_reac	256.763	0.0	128.3815	0.0
load	N_1700094649	constant_power_B_reac	256.763	0.0	128.3815	0.0
load	N_1700094649	constant_power_C_reac	256.763	0.0	128.3815	0.0
load	N_1700011450	constant_power_A	78.724	25.8753	39.362	12.93765
load	N_1700011450	constant_power_B	78.724	25.8753	39.362	12.93765
load	N_1700011450	constant_power_A_real	78.724	0.0	39.362	0.0
load	N_1700011450	constant_power_B_real	78.724	0.0	39.362	0.0
load	N_1700011450	constant_power_A_reac	25.8753	0.0	12.93765	0.0
load	N_1700011450	constant_power_B_reac	25.8753	0.0	12.93765	0.0
load	N_1700011453	constant_power_A	1752.12	1085.86	876.06	542.93
load	N_1700011453	constant_power_B	1752.12	1085.86	876.06	542.93
load	N_1700011453	constant_power_C	1752.12	1085.86	876.06	542.93
load	N_1700011453	constant_power_A_real	1752.12	0.0	876.06	0.0
load	N_1700011453	constant_power_B_real	1752.12	0.0	876.06	0.0
load	N_1700011453	constant_power_C_real	1752.12	0.0	876.06	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700011453	constant_power_A_reac	1085.86	0.0	542.93	0.0
load	N_1700011453	constant_power_B_reac	1085.86	0.0	542.93	0.0
load	N_1700011453	constant_power_C_reac	1085.86	0.0	542.93	0.0
load	N_1700093078	constant_power_A	819.538	269.369	409.769	134.6845
load	N_1700093078	constant_power_B	819.538	269.369	409.769	134.6845
load	N_1700093078	constant_power_C	819.538	269.369	409.769	134.6845
load	N_1700093078	constant_power_A_real	819.538	0.0	409.769	0.0
load	N_1700093078	constant_power_B_real	819.538	0.0	409.769	0.0
load	N_1700093078	constant_power_C_real	819.538	0.0	409.769	0.0
load	N_1700093078	constant_power_A_reac	269.369	0.0	134.6845	0.0
load	N_1700093078	constant_power_B_reac	269.369	0.0	134.6845	0.0
load	N_1700093078	constant_power_C_reac	269.369	0.0	134.6845	0.0
load	N_1700065016	constant_power_A	1929.75	634.278	964.875	317.139
load	N_1700065016	constant_power_B	1929.75	634.278	964.875	317.139
load	N_1700065016	constant_power_C	1929.75	634.278	964.875	317.139
load	N_1700065016	constant_power_A_real	1929.75	0.0	964.875	0.0
load	N_1700065016	constant_power_B_real	1929.75	0.0	964.875	0.0
load	N_1700065016	constant_power_C_real	1929.75	0.0	964.875	0.0
load	N_1700065016	constant_power_A_reac	634.278	0.0	317.139	0.0
load	N_1700065016	constant_power_B_reac	634.278	0.0	317.139	0.0
load	N_1700065016	constant_power_C_reac	634.278	0.0	317.139	0.0
load	N_1700065015	constant_power_A	601.533	197.714	300.7665	98.857
load	N_1700065015	constant_power_B	601.533	197.714	300.7665	98.857
load	N_1700065015	constant_power_C	601.533	197.714	300.7665	98.857
load	N_1700065015	constant_power_A_real	601.533	0.0	300.7665	0.0
load	N_1700065015	constant_power_B_real	601.533	0.0	300.7665	0.0
load	N_1700065015	constant_power_C_real	601.533	0.0	300.7665	0.0
load	N_1700065015	constant_power_A_reac	197.714	0.0	98.857	0.0
load	N_1700065015	constant_power_B_reac	197.714	0.0	98.857	0.0
load	N_1700065015	constant_power_C_reac	197.714	0.0	98.857	0.0
load	N_1700065014	constant_power_A	807.427	265.388	403.7135	132.694
load	N_1700065014	constant_power_B	807.427	265.388	403.7135	132.694
load	N_1700065014	constant_power_C	807.427	265.388	403.7135	132.694
load	N_1700065014	constant_power_A_real	807.427	0.0	403.7135	0.0
load	N_1700065014	constant_power_B_real	807.427	0.0	403.7135	0.0
load	N_1700065014	constant_power_C_real	807.427	0.0	403.7135	0.0
load	N_1700065014	constant_power_A_reac	265.388	0.0	132.694	0.0
load	N_1700065014	constant_power_B_reac	265.388	0.0	132.694	0.0
load	N_1700065014	constant_power_C_reac	265.388	0.0	132.694	0.0
load	N_1700093075	constant_power_A	46.427	15.2598	23.2135	7.6299
load	N_1700093075	constant_power_B	46.427	15.2598	23.2135	7.6299
load	N_1700093075	constant_power_C	46.427	15.2598	23.2135	7.6299
load	N_1700093075	constant_power_A_real	46.427	0.0	23.2135	0.0
load	N_1700093075	constant_power_B_real	46.427	0.0	23.2135	0.0
load	N_1700093075	constant_power_C_real	46.427	0.0	23.2135	0.0
load	N_1700093075	constant_power_A_reac	15.2598	0.0	7.6299	0.0
load	N_1700093075	constant_power_B_reac	15.2598	0.0	7.6299	0.0
load	N_1700093075	constant_power_C_reac	15.2598	0.0	7.6299	0.0
load	N_1700093076	constant_power_A	853.854	280.648	426.927	140.324
load	N_1700093076	constant_power_B	853.854	280.648	426.927	140.324
load	N_1700093076	constant_power_A_real	853.854	0.0	426.927	0.0
load	N_1700093076	constant_power_B_real	853.854	0.0	426.927	0.0
load	N_1700093076	constant_power_A_reac	280.648	0.0	140.324	0.0
load	N_1700093076	constant_power_B_reac	280.648	0.0	140.324	0.0
load	N_1700043133	constant_power_A	1719.82	1065.85	859.91	532.925
load	N_1700043133	constant_power_B	1719.82	1065.85	859.91	532.925
load	N_1700043133	constant_power_C	1719.82	1065.85	859.91	532.925
load	N_1700043133	constant_power_A_real	1719.82	0.0	859.91	0.0
load	N_1700043133	constant_power_B_real	1719.82	0.0	859.91	0.0
load	N_1700043133	constant_power_C_real	1719.82	0.0	859.91	0.0
load	N_1700043133	constant_power_A_reac	1065.85	0.0	532.925	0.0
load	N_1700043133	constant_power_B_reac	1065.85	0.0	532.925	0.0
load	N_1700043133	constant_power_C_reac	1065.85	0.0	532.925	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093071	constant_power_A	171.578	56.3951	85.789	28.19755
load	N_1700093071	constant_power_B	171.578	56.3951	85.789	28.19755
load	N_1700093071	constant_power_C	171.578	56.3951	85.789	28.19755
load	N_1700093071	constant_power_A_real	171.578	0.0	85.789	0.0
load	N_1700093071	constant_power_B_real	171.578	0.0	85.789	0.0
load	N_1700093071	constant_power_C_real	171.578	0.0	85.789	0.0
load	N_1700093071	constant_power_A_reac	56.3951	0.0	28.19755	0.0
load	N_1700093071	constant_power_B_reac	56.3951	0.0	28.19755	0.0
load	N_1700093071	constant_power_C_reac	56.3951	0.0	28.19755	0.0
load	N_1700093072	constant_power_A	440.048	144.637	220.024	72.3185
load	N_1700093072	constant_power_B	440.048	144.637	220.024	72.3185
load	N_1700093072	constant_power_C	440.048	144.637	220.024	72.3185
load	N_1700093072	constant_power_A_real	440.048	0.0	220.024	0.0
load	N_1700093072	constant_power_B_real	440.048	0.0	220.024	0.0
load	N_1700093072	constant_power_C_real	440.048	0.0	220.024	0.0
load	N_1700093072	constant_power_A_reac	144.637	0.0	72.3185	0.0
load	N_1700093072	constant_power_B_reac	144.637	0.0	72.3185	0.0
load	N_1700093072	constant_power_C_reac	144.637	0.0	72.3185	0.0
load	N_1700093073	constant_power_A	34.3157	11.279	17.15785	5.6395
load	N_1700093073	constant_power_B	34.3157	11.279	17.15785	5.6395
load	N_1700093073	constant_power_C	34.3157	11.279	17.15785	5.6395
load	N_1700093073	constant_power_A_real	34.3157	0.0	17.15785	0.0
load	N_1700093073	constant_power_B_real	34.3157	0.0	17.15785	0.0
load	N_1700093073	constant_power_C_real	34.3157	0.0	17.15785	0.0
load	N_1700093073	constant_power_A_reac	11.279	0.0	5.6395	0.0
load	N_1700093073	constant_power_B_reac	11.279	0.0	5.6395	0.0
load	N_1700093073	constant_power_C_reac	11.279	0.0	5.6395	0.0
load	N_1700069488	constant_power_A	2558.53	1020.73	1279.265	510.365
load	N_1700069488	constant_power_B	2558.53	1020.73	1279.265	510.365
load	N_1700069488	constant_power_A_real	2558.53	0.0	1279.265	0.0
load	N_1700069488	constant_power_B_real	2558.53	0.0	1279.265	0.0
load	N_1700069488	constant_power_A_reac	1020.73	0.0	510.365	0.0
load	N_1700069488	constant_power_B_reac	1020.73	0.0	510.365	0.0
load	N_1700022696	constant_power_A	1493.74	490.968	746.87	245.484
load	N_1700022696	constant_power_B	1493.74	490.968	746.87	245.484
load	N_1700022696	constant_power_C	1493.74	490.968	746.87	245.484
load	N_1700022696	constant_power_A_real	1493.74	0.0	746.87	0.0
load	N_1700022696	constant_power_B_real	1493.74	0.0	746.87	0.0
load	N_1700022696	constant_power_C_real	1493.74	0.0	746.87	0.0
load	N_1700022696	constant_power_A_reac	490.968	0.0	245.484	0.0
load	N_1700022696	constant_power_B_reac	490.968	0.0	245.484	0.0
load	N_1700022696	constant_power_C_reac	490.968	0.0	245.484	0.0
load	N_1700048367	constant_power_A	12666.7	7850.09	6333.35	3925.045
load	N_1700048367	constant_power_B	12666.7	7850.09	6333.35	3925.045
load	N_1700048367	constant_power_C	12666.7	7850.09	6333.35	3925.045
load	N_1700048367	constant_power_A_real	12666.7	0.0	6333.35	0.0
load	N_1700048367	constant_power_B_real	12666.7	0.0	6333.35	0.0
load	N_1700048367	constant_power_C_real	12666.7	0.0	6333.35	0.0
load	N_1700048367	constant_power_A_reac	7850.09	0.0	3925.045	0.0
load	N_1700048367	constant_power_B_reac	7850.09	0.0	3925.045	0.0
load	N_1700048367	constant_power_C_reac	7850.09	0.0	3925.045	0.0
load	N_1700022698	constant_power_A	50.4643	16.5868	25.23215	8.2934
load	N_1700022698	constant_power_B	50.4643	16.5868	25.23215	8.2934
load	N_1700022698	constant_power_C	50.4643	16.5868	25.23215	8.2934
load	N_1700022698	constant_power_A_real	50.4643	0.0	25.23215	0.0
load	N_1700022698	constant_power_B_real	50.4643	0.0	25.23215	0.0
load	N_1700022698	constant_power_C_real	50.4643	0.0	25.23215	0.0
load	N_1700022698	constant_power_A_reac	16.5868	0.0	8.2934	0.0
load	N_1700022698	constant_power_B_reac	16.5868	0.0	8.2934	0.0
load	N_1700022698	constant_power_C_reac	16.5868	0.0	8.2934	0.0
load	N_1700046583	constant_power_A	3391.19	1114.63	1695.595	557.315
load	N_1700046583	constant_power_B	3391.19	1114.63	1695.595	557.315
load	N_1700046583	constant_power_A_real	3391.19	0.0	1695.595	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700046583	constant_power_B_real	3391.19	0.0	1695.595	0.0
load	N_1700046583	constant_power_A_reac	1114.63	0.0	557.315	0.0
load	N_1700046583	constant_power_B_reac	1114.63	0.0	557.315	0.0
load	N_1700066240	constant_power_A	1429.14	469.737	714.57	234.8685
load	N_1700066240	constant_power_B	1429.14	469.737	714.57	234.8685
load	N_1700066240	constant_power_A_real	1429.14	0.0	714.57	0.0
load	N_1700066240	constant_power_B_real	1429.14	0.0	714.57	0.0
load	N_1700066240	constant_power_A_reac	469.737	0.0	234.8685	0.0
load	N_1700066240	constant_power_B_reac	469.737	0.0	234.8685	0.0
load	N_1700093438	constant_power_A	801.371	263.398	400.6855	131.699
load	N_1700093438	constant_power_B	801.371	263.398	400.6855	131.699
load	N_1700093438	constant_power_C	801.371	263.398	400.6855	131.699
load	N_1700093438	constant_power_A_real	801.371	0.0	400.6855	0.0
load	N_1700093438	constant_power_B_real	801.371	0.0	400.6855	0.0
load	N_1700093438	constant_power_C_real	801.371	0.0	400.6855	0.0
load	N_1700093438	constant_power_A_reac	263.398	0.0	131.699	0.0
load	N_1700093438	constant_power_B_reac	263.398	0.0	131.699	0.0
load	N_1700093438	constant_power_C_reac	263.398	0.0	131.699	0.0
load	N_1700064158	constant_power_A	351.231	115.444	175.6155	57.722
load	N_1700064158	constant_power_B	351.231	115.444	175.6155	57.722
load	N_1700064158	constant_power_A_real	351.231	0.0	175.6155	0.0
load	N_1700064158	constant_power_B_real	351.231	0.0	175.6155	0.0
load	N_1700064158	constant_power_A_reac	115.444	0.0	57.722	0.0
load	N_1700064158	constant_power_B_reac	115.444	0.0	57.722	0.0
load	N_1700018756	constant_power_A	5995.14	3562.99	2997.57	1781.495
load	N_1700018756	constant_power_B	5995.14	3562.99	2997.57	1781.495
load	N_1700018756	constant_power_A_real	5995.14	0.0	2997.57	0.0
load	N_1700018756	constant_power_B_real	5995.14	0.0	2997.57	0.0
load	N_1700018756	constant_power_A_reac	3562.99	0.0	1781.495	0.0
load	N_1700018756	constant_power_B_reac	3562.99	0.0	1781.495	0.0
load	N_1700117482	constant_power_A	875.049	287.615	437.5245	143.8075
load	N_1700117482	constant_power_B	875.049	287.615	437.5245	143.8075
load	N_1700117482	constant_power_A_real	875.049	0.0	437.5245	0.0
load	N_1700117482	constant_power_B_real	875.049	0.0	437.5245	0.0
load	N_1700117482	constant_power_A_reac	287.615	0.0	143.8075	0.0
load	N_1700117482	constant_power_B_reac	287.615	0.0	143.8075	0.0
load	N_1700019114	constant_power_A	2298.14	755.362	1149.07	377.681
load	N_1700019114	constant_power_B	2298.14	755.362	1149.07	377.681
load	N_1700019114	constant_power_A_real	2298.14	0.0	1149.07	0.0
load	N_1700019114	constant_power_B_real	2298.14	0.0	1149.07	0.0
load	N_1700019114	constant_power_A_reac	755.362	0.0	377.681	0.0
load	N_1700019114	constant_power_B_reac	755.362	0.0	377.681	0.0
load	N_1700064608	constant_power_A	666.127	218.945	333.0635	109.4725
load	N_1700064608	constant_power_B	666.127	218.945	333.0635	109.4725
load	N_1700064608	constant_power_A_real	666.127	0.0	333.0635	0.0
load	N_1700064608	constant_power_B_real	666.127	0.0	333.0635	0.0
load	N_1700064608	constant_power_A_reac	218.945	0.0	109.4725	0.0
load	N_1700064608	constant_power_B_reac	218.945	0.0	109.4725	0.0
load	N_1700094492	constant_power_A	10666.7	6610.61	5333.35	3305.305
load	N_1700094492	constant_power_B	10666.7	6610.61	5333.35	3305.305
load	N_1700094492	constant_power_C	10666.7	6610.61	5333.35	3305.305
load	N_1700094492	constant_power_A_real	10666.7	0.0	5333.35	0.0
load	N_1700094492	constant_power_B_real	10666.7	0.0	5333.35	0.0
load	N_1700094492	constant_power_C_real	10666.7	0.0	5333.35	0.0
load	N_1700094492	constant_power_A_reac	6610.61	0.0	3305.305	0.0
load	N_1700094492	constant_power_B_reac	6610.61	0.0	3305.305	0.0
load	N_1700094492	constant_power_C_reac	6610.61	0.0	3305.305	0.0
load	N_1700064606	constant_power_A	796.325	261.739	398.1625	130.8695
load	N_1700064606	constant_power_B	796.325	261.739	398.1625	130.8695
load	N_1700064606	constant_power_A_real	796.325	0.0	398.1625	0.0
load	N_1700064606	constant_power_B_real	796.325	0.0	398.1625	0.0
load	N_1700064606	constant_power_A_reac	261.739	0.0	130.8695	0.0
load	N_1700064606	constant_power_B_reac	261.739	0.0	130.8695	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094496	constant_power_A	107000.0	66312.6	53500.0	33156.3
load	N_1700094496	constant_power_B	107000.0	66312.6	53500.0	33156.3
load	N_1700094496	constant_power_C	107000.0	66312.6	53500.0	33156.3
load	N_1700094496	constant_power_A_real	107000.0	0.0	53500.0	0.0
load	N_1700094496	constant_power_B_real	107000.0	0.0	53500.0	0.0
load	N_1700094496	constant_power_C_real	107000.0	0.0	53500.0	0.0
load	N_1700094496	constant_power_A_reac	66312.6	0.0	33156.3	0.0
load	N_1700094496	constant_power_B_reac	66312.6	0.0	33156.3	0.0
load	N_1700094496	constant_power_C_reac	66312.6	0.0	33156.3	0.0
load	N_1700064603	constant_power_A	1111.22	365.241	555.61	182.6205
load	N_1700064603	constant_power_B	1111.22	365.241	555.61	182.6205
load	N_1700064603	constant_power_A_real	1111.22	0.0	555.61	0.0
load	N_1700064603	constant_power_B_real	1111.22	0.0	555.61	0.0
load	N_1700064603	constant_power_A_reac	365.241	0.0	182.6205	0.0
load	N_1700064603	constant_power_B_reac	365.241	0.0	182.6205	0.0
load	N_1700092999	constant_power_A	157.448	59.9761	78.724	29.98805
load	N_1700092999	constant_power_B	157.448	59.9761	78.724	29.98805
load	N_1700092999	constant_power_C	157.448	59.9761	78.724	29.98805
load	N_1700092999	constant_power_A_real	157.448	0.0	78.724	0.0
load	N_1700092999	constant_power_B_real	157.448	0.0	78.724	0.0
load	N_1700092999	constant_power_C_real	157.448	0.0	78.724	0.0
load	N_1700092999	constant_power_A_reac	59.9761	0.0	29.98805	0.0
load	N_1700092999	constant_power_B_reac	59.9761	0.0	29.98805	0.0
load	N_1700092999	constant_power_C_reac	59.9761	0.0	29.98805	0.0
load	N_1700092752	constant_power_A	5357.28	3320.14	2678.64	1660.07
load	N_1700092752	constant_power_B	5357.28	3320.14	2678.64	1660.07
load	N_1700092752	constant_power_C	5357.28	3320.14	2678.64	1660.07
load	N_1700092752	constant_power_A_real	5357.28	0.0	2678.64	0.0
load	N_1700092752	constant_power_B_real	5357.28	0.0	2678.64	0.0
load	N_1700092752	constant_power_C_real	5357.28	0.0	2678.64	0.0
load	N_1700092752	constant_power_A_reac	3320.14	0.0	1660.07	0.0
load	N_1700092752	constant_power_B_reac	3320.14	0.0	1660.07	0.0
load	N_1700092752	constant_power_C_reac	3320.14	0.0	1660.07	0.0
load	N_1700092753	constant_power_A	10.093	6.25508	5.0465	3.12754
load	N_1700092753	constant_power_B	10.093	6.25508	5.0465	3.12754
load	N_1700092753	constant_power_C	10.093	6.25508	5.0465	3.12754
load	N_1700092753	constant_power_A_real	10.093	0.0	5.0465	0.0
load	N_1700092753	constant_power_B_real	10.093	0.0	5.0465	0.0
load	N_1700092753	constant_power_C_real	10.093	0.0	5.0465	0.0
load	N_1700092753	constant_power_A_reac	6.25508	0.0	3.12754	0.0
load	N_1700092753	constant_power_B_reac	6.25508	0.0	3.12754	0.0
load	N_1700092753	constant_power_C_reac	6.25508	0.0	3.12754	0.0
load	N_1700092754	constant_power_A	94.8727	58.7968	47.43635	29.3984
load	N_1700092754	constant_power_B	94.8727	58.7968	47.43635	29.3984
load	N_1700092754	constant_power_C	94.8727	58.7968	47.43635	29.3984
load	N_1700092754	constant_power_A_real	94.8727	0.0	47.43635	0.0
load	N_1700092754	constant_power_B_real	94.8727	0.0	47.43635	0.0
load	N_1700092754	constant_power_C_real	94.8727	0.0	47.43635	0.0
load	N_1700092754	constant_power_A_reac	58.7968	0.0	29.3984	0.0
load	N_1700092754	constant_power_B_reac	58.7968	0.0	29.3984	0.0
load	N_1700092754	constant_power_C_reac	58.7968	0.0	29.3984	0.0
load	N_1700094164	constant_power_A	306.822	100.848	153.411	50.424
load	N_1700094164	constant_power_B	306.822	100.848	153.411	50.424
load	N_1700094164	constant_power_C	306.822	100.848	153.411	50.424
load	N_1700094164	constant_power_A_real	306.822	0.0	153.411	0.0
load	N_1700094164	constant_power_B_real	306.822	0.0	153.411	0.0
load	N_1700094164	constant_power_C_real	306.822	0.0	153.411	0.0
load	N_1700094164	constant_power_A_reac	100.848	0.0	50.424	0.0
load	N_1700094164	constant_power_B_reac	100.848	0.0	50.424	0.0
load	N_1700094164	constant_power_C_reac	100.848	0.0	50.424	0.0
load	N_1700092818	constant_power_A	1061.77	348.986	530.885	174.493
load	N_1700092818	constant_power_B	1061.77	348.986	530.885	174.493
load	N_1700092818	constant_power_C	1061.77	348.986	530.885	174.493

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092818	constant_power_A_real	1061.77	0.0	530.885	0.0
load	N_1700092818	constant_power_B_real	1061.77	0.0	530.885	0.0
load	N_1700092818	constant_power_C_real	1061.77	0.0	530.885	0.0
load	N_1700092818	constant_power_A_reac	348.986	0.0	174.493	0.0
load	N_1700092818	constant_power_B_reac	348.986	0.0	174.493	0.0
load	N_1700092818	constant_power_C_reac	348.986	0.0	174.493	0.0
load	N_1700049992	constant_power_A	1383.73	476.841	691.865	238.4205
load	N_1700049992	constant_power_B	1383.73	476.841	691.865	238.4205
load	N_1700049992	constant_power_A_real	1383.73	0.0	691.865	0.0
load	N_1700049992	constant_power_B_real	1383.73	0.0	691.865	0.0
load	N_1700049992	constant_power_A_reac	476.841	0.0	238.4205	0.0
load	N_1700049992	constant_power_B_reac	476.841	0.0	238.4205	0.0
load	N_1700092811	constant_power_A	1501.81	493.622	750.905	246.811
load	N_1700092811	constant_power_B	1501.81	493.622	750.905	246.811
load	N_1700092811	constant_power_A_real	1501.81	0.0	750.905	0.0
load	N_1700092811	constant_power_B_real	1501.81	0.0	750.905	0.0
load	N_1700092811	constant_power_A_reac	493.622	0.0	246.811	0.0
load	N_1700092811	constant_power_B_reac	493.622	0.0	246.811	0.0
load	N_1700018900	constant_power_A	1647.15	1020.81	823.575	510.405
load	N_1700018900	constant_power_B	1647.15	1020.81	823.575	510.405
load	N_1700018900	constant_power_C	1647.15	1020.81	823.575	510.405
load	N_1700018900	constant_power_A_real	1647.15	0.0	823.575	0.0
load	N_1700018900	constant_power_B_real	1647.15	0.0	823.575	0.0
load	N_1700018900	constant_power_C_real	1647.15	0.0	823.575	0.0
load	N_1700018900	constant_power_A_reac	1020.81	0.0	510.405	0.0
load	N_1700018900	constant_power_B_reac	1020.81	0.0	510.405	0.0
load	N_1700018900	constant_power_C_reac	1020.81	0.0	510.405	0.0
load	N_1700092813	constant_power_A	2488.89	818.06	1244.445	409.03
load	N_1700092813	constant_power_B	2488.89	818.06	1244.445	409.03
load	N_1700092813	constant_power_A_real	2488.89	0.0	1244.445	0.0
load	N_1700092813	constant_power_B_real	2488.89	0.0	1244.445	0.0
load	N_1700092813	constant_power_A_reac	818.06	0.0	409.03	0.0
load	N_1700092813	constant_power_B_reac	818.06	0.0	409.03	0.0
load	N_1700092812	constant_power_A	296.729	183.896	148.3645	91.948
load	N_1700092812	constant_power_B	296.729	183.896	148.3645	91.948
load	N_1700092812	constant_power_A_real	296.729	0.0	148.3645	0.0
load	N_1700092812	constant_power_B_real	296.729	0.0	148.3645	0.0
load	N_1700092812	constant_power_A_reac	183.896	0.0	91.948	0.0
load	N_1700092812	constant_power_B_reac	183.896	0.0	91.948	0.0
load	N_1700092815	constant_power_A	1376.66	715.111	688.33	357.5555
load	N_1700092815	constant_power_B	1376.66	715.111	688.33	357.5555
load	N_1700092815	constant_power_C	1376.66	715.111	688.33	357.5555
load	N_1700092815	constant_power_A_real	1376.66	0.0	688.33	0.0
load	N_1700092815	constant_power_B_real	1376.66	0.0	688.33	0.0
load	N_1700092815	constant_power_C_real	1376.66	0.0	688.33	0.0
load	N_1700092815	constant_power_A_reac	715.111	0.0	357.5555	0.0
load	N_1700092815	constant_power_B_reac	715.111	0.0	357.5555	0.0
load	N_1700092815	constant_power_C_reac	715.111	0.0	357.5555	0.0
load	N_1700092775	constant_power_A	184.699	61.589	92.3495	30.7945
load	N_1700092775	constant_power_B	184.699	61.589	92.3495	30.7945
load	N_1700092775	constant_power_A_real	184.699	0.0	92.3495	0.0
load	N_1700092775	constant_power_B_real	184.699	0.0	92.3495	0.0
load	N_1700092775	constant_power_A_reac	61.589	0.0	30.7945	0.0
load	N_1700092775	constant_power_B_reac	61.589	0.0	30.7945	0.0
load	N_1700061631	constant_power_A	2464.67	1527.47	1232.335	763.735
load	N_1700061631	constant_power_B	2464.67	1527.47	1232.335	763.735
load	N_1700061631	constant_power_C	2464.67	1527.47	1232.335	763.735
load	N_1700061631	constant_power_A_real	2464.67	0.0	1232.335	0.0
load	N_1700061631	constant_power_B_real	2464.67	0.0	1232.335	0.0
load	N_1700061631	constant_power_C_real	2464.67	0.0	1232.335	0.0
load	N_1700061631	constant_power_A_reac	1527.47	0.0	763.735	0.0
load	N_1700061631	constant_power_B_reac	1527.47	0.0	763.735	0.0
load	N_1700061631	constant_power_C_reac	1527.47	0.0	763.735	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093118	constant_power_A	705.489	231.883	352.7445	115.9415
load	N_1700093118	constant_power_B	705.489	231.883	352.7445	115.9415
load	N_1700093118	constant_power_A_real	705.489	0.0	352.7445	0.0
load	N_1700093118	constant_power_B_real	705.489	0.0	352.7445	0.0
load	N_1700093118	constant_power_A_reac	231.883	0.0	115.9415	0.0
load	N_1700093118	constant_power_B_reac	231.883	0.0	115.9415	0.0
load	N_1700055902	constant_power_A	9886.94	6127.38	4943.47	3063.69
load	N_1700055902	constant_power_B	9886.94	6127.38	4943.47	3063.69
load	N_1700055902	constant_power_C	9886.94	6127.38	4943.47	3063.69
load	N_1700055902	constant_power_A_real	9886.94	0.0	4943.47	0.0
load	N_1700055902	constant_power_B_real	9886.94	0.0	4943.47	0.0
load	N_1700055902	constant_power_C_real	9886.94	0.0	4943.47	0.0
load	N_1700055902	constant_power_A_reac	6127.38	0.0	3063.69	0.0
load	N_1700055902	constant_power_B_reac	6127.38	0.0	3063.69	0.0
load	N_1700055902	constant_power_C_reac	6127.38	0.0	3063.69	0.0
load	N_1700018980	constant_power_A	1685.5	566.924	842.75	283.462
load	N_1700018980	constant_power_B	1685.5	566.924	842.75	283.462
load	N_1700018980	constant_power_C	1685.5	566.924	842.75	283.462
load	N_1700018980	constant_power_A_real	1685.5	0.0	842.75	0.0
load	N_1700018980	constant_power_B_real	1685.5	0.0	842.75	0.0
load	N_1700018980	constant_power_C_real	1685.5	0.0	842.75	0.0
load	N_1700018980	constant_power_A_reac	566.924	0.0	283.462	0.0
load	N_1700018980	constant_power_B_reac	566.924	0.0	283.462	0.0
load	N_1700018980	constant_power_C_reac	566.924	0.0	283.462	0.0
load	N_1700093608	constant_power_A	193.782	63.6931	96.891	31.84655
load	N_1700093608	constant_power_A_real	193.782	0.0	96.891	0.0
load	N_1700093608	constant_power_A_reac	63.6931	0.0	31.84655	0.0
load	N_1700011171	constant_power_A	6560.34	4065.74	3280.17	2032.87
load	N_1700011171	constant_power_B	6560.34	4065.74	3280.17	2032.87
load	N_1700011171	constant_power_C	6560.34	4065.74	3280.17	2032.87
load	N_1700011171	constant_power_A_real	6560.34	0.0	3280.17	0.0
load	N_1700011171	constant_power_B_real	6560.34	0.0	3280.17	0.0
load	N_1700011171	constant_power_C_real	6560.34	0.0	3280.17	0.0
load	N_1700011171	constant_power_A_reac	4065.74	0.0	2032.87	0.0
load	N_1700011171	constant_power_B_reac	4065.74	0.0	2032.87	0.0
load	N_1700011171	constant_power_C_reac	4065.74	0.0	2032.87	0.0
load	N_1700264242	constant_power_A	908.355	298.562	454.1775	149.281
load	N_1700264242	constant_power_B	908.355	298.562	454.1775	149.281
load	N_1700264242	constant_power_A_real	908.355	0.0	454.1775	0.0
load	N_1700264242	constant_power_B_real	908.355	0.0	454.1775	0.0
load	N_1700264242	constant_power_A_reac	298.562	0.0	149.281	0.0
load	N_1700264242	constant_power_B_reac	298.562	0.0	149.281	0.0
load	N_1700093567	constant_power_A	940.652	309.177	470.326	154.5885
load	N_1700093567	constant_power_B	940.652	309.177	470.326	154.5885
load	N_1700093567	constant_power_C	940.652	309.177	470.326	154.5885
load	N_1700093567	constant_power_A_real	940.652	0.0	470.326	0.0
load	N_1700093567	constant_power_B_real	940.652	0.0	470.326	0.0
load	N_1700093567	constant_power_C_real	940.652	0.0	470.326	0.0
load	N_1700093567	constant_power_A_reac	309.177	0.0	154.5885	0.0
load	N_1700093567	constant_power_B_reac	309.177	0.0	154.5885	0.0
load	N_1700093567	constant_power_C_reac	309.177	0.0	154.5885	0.0
load	N_1700093564	constant_power_A	932.578	306.524	466.289	153.262
load	N_1700093564	constant_power_B	932.578	306.524	466.289	153.262
load	N_1700093564	constant_power_A_real	932.578	0.0	466.289	0.0
load	N_1700093564	constant_power_B_real	932.578	0.0	466.289	0.0
load	N_1700093564	constant_power_A_reac	306.524	0.0	153.262	0.0
load	N_1700093564	constant_power_B_reac	306.524	0.0	153.262	0.0
load	N_1700093565	constant_power_A	262.414	86.2512	131.207	43.1256
load	N_1700093565	constant_power_B	262.414	86.2512	131.207	43.1256
load	N_1700093565	constant_power_C	262.414	86.2512	131.207	43.1256
load	N_1700093565	constant_power_A_real	262.414	0.0	131.207	0.0
load	N_1700093565	constant_power_B_real	262.414	0.0	131.207	0.0
load	N_1700093565	constant_power_C_real	262.414	0.0	131.207	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093565	constant_power_A_reac	86.2512	0.0	43.1256	0.0
load	N_1700093565	constant_power_B_reac	86.2512	0.0	43.1256	0.0
load	N_1700093565	constant_power_C_reac	86.2512	0.0	43.1256	0.0
load	N_1700093563	constant_power_A	411.788	135.348	205.894	67.674
load	N_1700093563	constant_power_B	411.788	135.348	205.894	67.674
load	N_1700093563	constant_power_A_real	411.788	0.0	205.894	0.0
load	N_1700093563	constant_power_B_real	411.788	0.0	205.894	0.0
load	N_1700093563	constant_power_A_reac	135.348	0.0	67.674	0.0
load	N_1700093563	constant_power_B_reac	135.348	0.0	67.674	0.0
load	N_1700093561	constant_power_A	104.965	34.5004	52.4825	17.2502
load	N_1700093561	constant_power_B	104.965	34.5004	52.4825	17.2502
load	N_1700093561	constant_power_C	104.965	34.5004	52.4825	17.2502
load	N_1700093561	constant_power_A_real	104.965	0.0	52.4825	0.0
load	N_1700093561	constant_power_B_real	104.965	0.0	52.4825	0.0
load	N_1700093561	constant_power_C_real	104.965	0.0	52.4825	0.0
load	N_1700093561	constant_power_A_reac	34.5004	0.0	17.2502	0.0
load	N_1700093561	constant_power_B_reac	34.5004	0.0	17.2502	0.0
load	N_1700093561	constant_power_C_reac	34.5004	0.0	17.2502	0.0
load	N_1700093405	constant_power_A	3633.42	1194.25	1816.71	597.125
load	N_1700093405	constant_power_B	3633.42	1194.25	1816.71	597.125
load	N_1700093405	constant_power_A_real	3633.42	0.0	1816.71	0.0
load	N_1700093405	constant_power_B_real	3633.42	0.0	1816.71	0.0
load	N_1700093405	constant_power_A_reac	1194.25	0.0	597.125	0.0
load	N_1700093405	constant_power_B_reac	1194.25	0.0	597.125	0.0
load	N_1700093404	constant_power_A	839.724	276.004	419.862	138.002
load	N_1700093404	constant_power_B	839.724	276.004	419.862	138.002
load	N_1700093404	constant_power_C	839.724	276.004	419.862	138.002
load	N_1700093404	constant_power_A_real	839.724	0.0	419.862	0.0
load	N_1700093404	constant_power_B_real	839.724	0.0	419.862	0.0
load	N_1700093404	constant_power_C_real	839.724	0.0	419.862	0.0
load	N_1700093404	constant_power_A_reac	276.004	0.0	138.002	0.0
load	N_1700093404	constant_power_B_reac	276.004	0.0	138.002	0.0
load	N_1700093404	constant_power_C_reac	276.004	0.0	138.002	0.0
load	N_1700096167	constant_power_A	936.615	307.85	468.3075	153.925
load	N_1700096167	constant_power_B	936.615	307.85	468.3075	153.925
load	N_1700096167	constant_power_C	936.615	307.85	468.3075	153.925
load	N_1700096167	constant_power_A_real	936.615	0.0	468.3075	0.0
load	N_1700096167	constant_power_B_real	936.615	0.0	468.3075	0.0
load	N_1700096167	constant_power_C_real	936.615	0.0	468.3075	0.0
load	N_1700096167	constant_power_A_reac	307.85	0.0	153.925	0.0
load	N_1700096167	constant_power_B_reac	307.85	0.0	153.925	0.0
load	N_1700096167	constant_power_C_reac	307.85	0.0	153.925	0.0
load	N_1700093568	constant_power_A	137.263	45.1161	68.6315	22.55805
load	N_1700093568	constant_power_B	137.263	45.1161	68.6315	22.55805
load	N_1700093568	constant_power_C	137.263	45.1161	68.6315	22.55805
load	N_1700093568	constant_power_A_real	137.263	0.0	68.6315	0.0
load	N_1700093568	constant_power_B_real	137.263	0.0	68.6315	0.0
load	N_1700093568	constant_power_C_real	137.263	0.0	68.6315	0.0
load	N_1700093568	constant_power_A_reac	45.1161	0.0	22.55805	0.0
load	N_1700093568	constant_power_B_reac	45.1161	0.0	22.55805	0.0
load	N_1700093568	constant_power_C_reac	45.1161	0.0	22.55805	0.0
load	N_1700010290	constant_power_A	2476.78	937.459	1238.39	468.7295
load	N_1700010290	constant_power_A_real	2476.78	0.0	1238.39	0.0
load	N_1700010290	constant_power_A_reac	937.459	0.0	468.7295	0.0
load	N_1700094427	constant_power_A	27666.7	17146.3	13833.35	8573.15
load	N_1700094427	constant_power_B	27666.7	17146.3	13833.35	8573.15
load	N_1700094427	constant_power_C	27666.7	17146.3	13833.35	8573.15
load	N_1700094427	constant_power_A_real	27666.7	0.0	13833.35	0.0
load	N_1700094427	constant_power_B_real	27666.7	0.0	13833.35	0.0
load	N_1700094427	constant_power_C_real	27666.7	0.0	13833.35	0.0
load	N_1700094427	constant_power_A_reac	17146.3	0.0	8573.15	0.0
load	N_1700094427	constant_power_B_reac	17146.3	0.0	8573.15	0.0
load	N_1700094427	constant_power_C_reac	17146.3	0.0	8573.15	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700010402	constant_power_A	964.875	317.139	482.4375	158.5695
load	N_1700010402	constant_power_B	964.875	317.139	482.4375	158.5695
load	N_1700010402	constant_power_C	964.875	317.139	482.4375	158.5695
load	N_1700010402	constant_power_A_real	964.875	0.0	482.4375	0.0
load	N_1700010402	constant_power_B_real	964.875	0.0	482.4375	0.0
load	N_1700010402	constant_power_C_real	964.875	0.0	482.4375	0.0
load	N_1700010402	constant_power_A_reac	317.139	0.0	158.5695	0.0
load	N_1700010402	constant_power_B_reac	317.139	0.0	158.5695	0.0
load	N_1700010402	constant_power_C_reac	317.139	0.0	158.5695	0.0
load	N_1700094421	constant_power_A	2741.21	1698.85	1370.605	849.425
load	N_1700094421	constant_power_B	2741.21	1698.85	1370.605	849.425
load	N_1700094421	constant_power_C	2741.21	1698.85	1370.605	849.425
load	N_1700094421	constant_power_A_real	2741.21	0.0	1370.605	0.0
load	N_1700094421	constant_power_B_real	2741.21	0.0	1370.605	0.0
load	N_1700094421	constant_power_C_real	2741.21	0.0	1370.605	0.0
load	N_1700094421	constant_power_A_reac	1698.85	0.0	849.425	0.0
load	N_1700094421	constant_power_B_reac	1698.85	0.0	849.425	0.0
load	N_1700094421	constant_power_C_reac	1698.85	0.0	849.425	0.0
load	N_1700094163	constant_power_A	696.406	228.897	348.203	114.4485
load	N_1700094163	constant_power_B	696.406	228.897	348.203	114.4485
load	N_1700094163	constant_power_C	696.406	228.897	348.203	114.4485
load	N_1700094163	constant_power_A_real	696.406	0.0	348.203	0.0
load	N_1700094163	constant_power_B_real	696.406	0.0	348.203	0.0
load	N_1700094163	constant_power_C_real	696.406	0.0	348.203	0.0
load	N_1700094163	constant_power_A_reac	228.897	0.0	114.4485	0.0
load	N_1700094163	constant_power_B_reac	228.897	0.0	114.4485	0.0
load	N_1700094163	constant_power_C_reac	228.897	0.0	114.4485	0.0
load	N_1700059629	constant_power_A	4269.27	1403.24	2134.635	701.62
load	N_1700059629	constant_power_B	4269.27	1403.24	2134.635	701.62
load	N_1700059629	constant_power_A_real	4269.27	0.0	2134.635	0.0
load	N_1700059629	constant_power_B_real	4269.27	0.0	2134.635	0.0
load	N_1700059629	constant_power_A_reac	1403.24	0.0	701.62	0.0
load	N_1700059629	constant_power_B_reac	1403.24	0.0	701.62	0.0
load	N_1700059628	constant_power_A	4136.04	1359.45	2068.02	679.725
load	N_1700059628	constant_power_B	4136.04	1359.45	2068.02	679.725
load	N_1700059628	constant_power_A_real	4136.04	0.0	2068.02	0.0
load	N_1700059628	constant_power_B_real	4136.04	0.0	2068.02	0.0
load	N_1700059628	constant_power_A_reac	1359.45	0.0	679.725	0.0
load	N_1700059628	constant_power_B_reac	1359.45	0.0	679.725	0.0
load	N_1700052961	constant_power_A	37000.0	22930.5	18500.0	11465.25
load	N_1700052961	constant_power_B	37000.0	22930.5	18500.0	11465.25
load	N_1700052961	constant_power_C	37000.0	22930.5	18500.0	11465.25
load	N_1700052961	constant_power_A_real	37000.0	0.0	18500.0	0.0
load	N_1700052961	constant_power_B_real	37000.0	0.0	18500.0	0.0
load	N_1700052961	constant_power_C_real	37000.0	0.0	18500.0	0.0
load	N_1700052961	constant_power_A_reac	22930.5	0.0	11465.25	0.0
load	N_1700052961	constant_power_B_reac	22930.5	0.0	11465.25	0.0
load	N_1700052961	constant_power_C_reac	22930.5	0.0	11465.25	0.0
load	N_1700094543	constant_power_A	3574.88	2215.51	1787.44	1107.755
load	N_1700094543	constant_power_B	3574.88	2215.51	1787.44	1107.755
load	N_1700094543	constant_power_C	3574.88	2215.51	1787.44	1107.755
load	N_1700094543	constant_power_A_real	3574.88	0.0	1787.44	0.0
load	N_1700094543	constant_power_B_real	3574.88	0.0	1787.44	0.0
load	N_1700094543	constant_power_C_real	3574.88	0.0	1787.44	0.0
load	N_1700094543	constant_power_A_reac	2215.51	0.0	1107.755	0.0
load	N_1700094543	constant_power_B_reac	2215.51	0.0	1107.755	0.0
load	N_1700094543	constant_power_C_reac	2215.51	0.0	1107.755	0.0
load	N_1700059621	constant_power_A	1998.38	656.836	999.19	328.418
load	N_1700059621	constant_power_B	1998.38	656.836	999.19	328.418
load	N_1700059621	constant_power_A_real	1998.38	0.0	999.19	0.0
load	N_1700059621	constant_power_B_real	1998.38	0.0	999.19	0.0
load	N_1700059621	constant_power_A_reac	656.836	0.0	328.418	0.0
load	N_1700059621	constant_power_B_reac	656.836	0.0	328.418	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700059627	constant_power_A	3209.52	1054.92	1604.76	527.46
load	N_1700059627	constant_power_B	3209.52	1054.92	1604.76	527.46
load	N_1700059627	constant_power_A_real	3209.52	0.0	1604.76	0.0
load	N_1700059627	constant_power_B_real	3209.52	0.0	1604.76	0.0
load	N_1700059627	constant_power_A_reac	1054.92	0.0	527.46	0.0
load	N_1700059627	constant_power_B_reac	1054.92	0.0	527.46	0.0
load	N_1700059624	constant_power_A	2513.12	826.021	1256.56	413.0105
load	N_1700059624	constant_power_B	2513.12	826.021	1256.56	413.0105
load	N_1700059624	constant_power_C	2513.12	826.021	1256.56	413.0105
load	N_1700059624	constant_power_A_real	2513.12	0.0	1256.56	0.0
load	N_1700059624	constant_power_B_real	2513.12	0.0	1256.56	0.0
load	N_1700059624	constant_power_C_real	2513.12	0.0	1256.56	0.0
load	N_1700059624	constant_power_A_reac	826.021	0.0	413.0105	0.0
load	N_1700059624	constant_power_B_reac	826.021	0.0	413.0105	0.0
load	N_1700059624	constant_power_C_reac	826.021	0.0	413.0105	0.0
load	N_1700022742	constant_power_A	1719.82	1065.85	859.91	532.925
load	N_1700022742	constant_power_B	1719.82	1065.85	859.91	532.925
load	N_1700022742	constant_power_C	1719.82	1065.85	859.91	532.925
load	N_1700022742	constant_power_A_real	1719.82	0.0	859.91	0.0
load	N_1700022742	constant_power_B_real	1719.82	0.0	859.91	0.0
load	N_1700022742	constant_power_C_real	1719.82	0.0	859.91	0.0
load	N_1700022742	constant_power_A_reac	1065.85	0.0	532.925	0.0
load	N_1700022742	constant_power_B_reac	1065.85	0.0	532.925	0.0
load	N_1700022742	constant_power_C_reac	1065.85	0.0	532.925	0.0
load	N_1700123657	constant_power_A	2420.26	795.502	1210.13	397.751
load	N_1700123657	constant_power_B	2420.26	795.502	1210.13	397.751
load	N_1700123657	constant_power_C	2420.26	795.502	1210.13	397.751
load	N_1700123657	constant_power_A_real	2420.26	0.0	1210.13	0.0
load	N_1700123657	constant_power_B_real	2420.26	0.0	1210.13	0.0
load	N_1700123657	constant_power_C_real	2420.26	0.0	1210.13	0.0
load	N_1700123657	constant_power_A_reac	795.502	0.0	397.751	0.0
load	N_1700123657	constant_power_B_reac	795.502	0.0	397.751	0.0
load	N_1700123657	constant_power_C_reac	795.502	0.0	397.751	0.0
load	N_1700063771	constant_power_A	375.453	208.009	187.7265	104.0045
load	N_1700063771	constant_power_B	375.453	208.009	187.7265	104.0045
load	N_1700063771	constant_power_C	375.453	208.009	187.7265	104.0045
load	N_1700063771	constant_power_A_real	375.453	0.0	187.7265	0.0
load	N_1700063771	constant_power_B_real	375.453	0.0	187.7265	0.0
load	N_1700063771	constant_power_C_real	375.453	0.0	187.7265	0.0
load	N_1700063771	constant_power_A_reac	208.009	0.0	104.0045	0.0
load	N_1700063771	constant_power_B_reac	208.009	0.0	104.0045	0.0
load	N_1700063771	constant_power_C_reac	208.009	0.0	104.0045	0.0
load	N_1700092756	constant_power_A	167.541	55.0681	83.7705	27.53405
load	N_1700092756	constant_power_B	167.541	55.0681	83.7705	27.53405
load	N_1700092756	constant_power_C	167.541	55.0681	83.7705	27.53405
load	N_1700092756	constant_power_A_real	167.541	0.0	83.7705	0.0
load	N_1700092756	constant_power_B_real	167.541	0.0	83.7705	0.0
load	N_1700092756	constant_power_C_real	167.541	0.0	83.7705	0.0
load	N_1700092756	constant_power_A_reac	55.0681	0.0	27.53405	0.0
load	N_1700092756	constant_power_B_reac	55.0681	0.0	27.53405	0.0
load	N_1700092756	constant_power_C_reac	55.0681	0.0	27.53405	0.0
load	N_1700116803	constant_power_A	2287.04	1417.38	1143.52	708.69
load	N_1700116803	constant_power_B	2287.04	1417.38	1143.52	708.69
load	N_1700116803	constant_power_C	2287.04	1417.38	1143.52	708.69
load	N_1700116803	constant_power_A_real	2287.04	0.0	1143.52	0.0
load	N_1700116803	constant_power_B_real	2287.04	0.0	1143.52	0.0
load	N_1700116803	constant_power_C_real	2287.04	0.0	1143.52	0.0
load	N_1700116803	constant_power_A_reac	1417.38	0.0	708.69	0.0
load	N_1700116803	constant_power_B_reac	1417.38	0.0	708.69	0.0
load	N_1700116803	constant_power_C_reac	1417.38	0.0	708.69	0.0
load	N_1700067493	constant_power_A	9331.83	3067.23	4665.915	1533.615
load	N_1700067493	constant_power_A_real	9331.83	0.0	4665.915	0.0
load	N_1700067493	constant_power_A_reac	3067.23	0.0	1533.615	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700274285	constant_power_A	2.01867	1.25106	1.009335	0.62553
load	N_1700274285	constant_power_B	2.01867	1.25106	1.009335	0.62553
load	N_1700274285	constant_power_C	2.01867	1.25106	1.009335	0.62553
load	N_1700274285	constant_power_A_real	2.01867	0.0	1.009335	0.0
load	N_1700274285	constant_power_B_real	2.01867	0.0	1.009335	0.0
load	N_1700274285	constant_power_C_real	2.01867	0.0	1.009335	0.0
load	N_1700274285	constant_power_A_reac	1.25106	0.0	0.62553	0.0
load	N_1700274285	constant_power_B_reac	1.25106	0.0	0.62553	0.0
load	N_1700274285	constant_power_C_reac	1.25106	0.0	0.62553	0.0
load	N_1700046442	constant_power_A	252.321	156.375	126.1605	78.1875
load	N_1700046442	constant_power_B	252.321	156.375	126.1605	78.1875
load	N_1700046442	constant_power_C	252.321	156.375	126.1605	78.1875
load	N_1700046442	constant_power_A_real	252.321	0.0	126.1605	0.0
load	N_1700046442	constant_power_B_real	252.321	0.0	126.1605	0.0
load	N_1700046442	constant_power_C_real	252.321	0.0	126.1605	0.0
load	N_1700046442	constant_power_A_reac	156.375	0.0	78.1875	0.0
load	N_1700046442	constant_power_B_reac	156.375	0.0	78.1875	0.0
load	N_1700046442	constant_power_C_reac	156.375	0.0	78.1875	0.0
load	N_1700052500	constant_power_A	2513.12	826.021	1256.56	413.0105
load	N_1700052500	constant_power_B	2513.12	826.021	1256.56	413.0105
load	N_1700052500	constant_power_A_real	2513.12	0.0	1256.56	0.0
load	N_1700052500	constant_power_B_real	2513.12	0.0	1256.56	0.0
load	N_1700052500	constant_power_A_reac	826.021	0.0	413.0105	0.0
load	N_1700052500	constant_power_B_reac	826.021	0.0	413.0105	0.0
load	N_1700070097	constant_power_A	3205.48	1986.58	1602.74	993.29
load	N_1700070097	constant_power_B	3205.48	1986.58	1602.74	993.29
load	N_1700070097	constant_power_C	3205.48	1986.58	1602.74	993.29
load	N_1700070097	constant_power_A_real	3205.48	0.0	1602.74	0.0
load	N_1700070097	constant_power_B_real	3205.48	0.0	1602.74	0.0
load	N_1700070097	constant_power_C_real	3205.48	0.0	1602.74	0.0
load	N_1700070097	constant_power_A_reac	1986.58	0.0	993.29	0.0
load	N_1700070097	constant_power_B_reac	1986.58	0.0	993.29	0.0
load	N_1700070097	constant_power_C_reac	1986.58	0.0	993.29	0.0
load	N_1700091756	constant_power_A	484.456	159.233	242.228	79.6165
load	N_1700091756	constant_power_B	484.456	159.233	242.228	79.6165
load	N_1700091756	constant_power_A_real	484.456	0.0	242.228	0.0
load	N_1700091756	constant_power_B_real	484.456	0.0	242.228	0.0
load	N_1700091756	constant_power_A_reac	159.233	0.0	79.6165	0.0
load	N_1700091756	constant_power_B_reac	159.233	0.0	79.6165	0.0
load	N_1700008995	constant_power_A	211.95	69.6646	105.975	34.8323
load	N_1700008995	constant_power_B	211.95	69.6646	105.975	34.8323
load	N_1700008995	constant_power_A_real	211.95	0.0	105.975	0.0
load	N_1700008995	constant_power_B_real	211.95	0.0	105.975	0.0
load	N_1700008995	constant_power_A_reac	69.6646	0.0	34.8323	0.0
load	N_1700008995	constant_power_B_reac	69.6646	0.0	34.8323	0.0
load	N_1700008994	constant_power_A	1929.75	1195.95	964.875	597.975
load	N_1700008994	constant_power_B	1929.75	1195.95	964.875	597.975
load	N_1700008994	constant_power_C	1929.75	1195.95	964.875	597.975
load	N_1700008994	constant_power_A_real	1929.75	0.0	964.875	0.0
load	N_1700008994	constant_power_B_real	1929.75	0.0	964.875	0.0
load	N_1700008994	constant_power_C_real	1929.75	0.0	964.875	0.0
load	N_1700008994	constant_power_A_reac	1195.95	0.0	597.975	0.0
load	N_1700008994	constant_power_B_reac	1195.95	0.0	597.975	0.0
load	N_1700008994	constant_power_C_reac	1195.95	0.0	597.975	0.0
load	N_1700018676	constant_power_A	1746.06	573.902	873.03	286.951
load	N_1700018676	constant_power_B	1746.06	573.902	873.03	286.951
load	N_1700018676	constant_power_C	1746.06	573.902	873.03	286.951
load	N_1700018676	constant_power_A_real	1746.06	0.0	873.03	0.0
load	N_1700018676	constant_power_B_real	1746.06	0.0	873.03	0.0
load	N_1700018676	constant_power_C_real	1746.06	0.0	873.03	0.0
load	N_1700018676	constant_power_A_reac	573.902	0.0	286.951	0.0
load	N_1700018676	constant_power_B_reac	573.902	0.0	286.951	0.0
load	N_1700018676	constant_power_C_reac	573.902	0.0	286.951	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700043248	constant_power_A	666.667	413.163	333.3335	206.5815
load	N_1700043248	constant_power_B	666.667	413.163	333.3335	206.5815
load	N_1700043248	constant_power_C	666.667	413.163	333.3335	206.5815
load	N_1700043248	constant_power_A_real	666.667	0.0	333.3335	0.0
load	N_1700043248	constant_power_B_real	666.667	0.0	333.3335	0.0
load	N_1700043248	constant_power_C_real	666.667	0.0	333.3335	0.0
load	N_1700043248	constant_power_A_reac	413.163	0.0	206.5815	0.0
load	N_1700043248	constant_power_B_reac	413.163	0.0	206.5815	0.0
load	N_1700043248	constant_power_C_reac	413.163	0.0	206.5815	0.0
load	N_1700008998	constant_power_A	1176.82	386.804	588.41	193.402
load	N_1700008998	constant_power_B	1176.82	386.804	588.41	193.402
load	N_1700008998	constant_power_C	1176.82	386.804	588.41	193.402
load	N_1700008998	constant_power_A_real	1176.82	0.0	588.41	0.0
load	N_1700008998	constant_power_B_real	1176.82	0.0	588.41	0.0
load	N_1700008998	constant_power_C_real	1176.82	0.0	588.41	0.0
load	N_1700008998	constant_power_A_reac	386.804	0.0	193.402	0.0
load	N_1700008998	constant_power_B_reac	386.804	0.0	193.402	0.0
load	N_1700008998	constant_power_C_reac	386.804	0.0	193.402	0.0
load	N_1700094434	constant_power_A	10333.7	6404.27	5166.85	3202.135
load	N_1700094434	constant_power_B	10333.7	6404.27	5166.85	3202.135
load	N_1700094434	constant_power_C	10333.7	6404.27	5166.85	3202.135
load	N_1700094434	constant_power_A_real	10333.7	0.0	5166.85	0.0
load	N_1700094434	constant_power_B_real	10333.7	0.0	5166.85	0.0
load	N_1700094434	constant_power_C_real	10333.7	0.0	5166.85	0.0
load	N_1700094434	constant_power_A_reac	6404.27	0.0	3202.135	0.0
load	N_1700094434	constant_power_B_reac	6404.27	0.0	3202.135	0.0
load	N_1700094434	constant_power_C_reac	6404.27	0.0	3202.135	0.0
load	N_1700093962	constant_power_A	575.292	189.089	287.646	94.5445
load	N_1700093962	constant_power_B	575.292	189.089	287.646	94.5445
load	N_1700093962	constant_power_C	575.292	189.089	287.646	94.5445
load	N_1700093962	constant_power_A_real	575.292	0.0	287.646	0.0
load	N_1700093962	constant_power_B_real	575.292	0.0	287.646	0.0
load	N_1700093962	constant_power_C_real	575.292	0.0	287.646	0.0
load	N_1700093962	constant_power_A_reac	189.089	0.0	94.5445	0.0
load	N_1700093962	constant_power_B_reac	189.089	0.0	94.5445	0.0
load	N_1700093962	constant_power_C_reac	189.089	0.0	94.5445	0.0
load	N_1700091787	constant_power_A	769.074	476.629	384.537	238.3145
load	N_1700091787	constant_power_B	769.074	476.629	384.537	238.3145
load	N_1700091787	constant_power_C	769.074	476.629	384.537	238.3145
load	N_1700091787	constant_power_A_real	769.074	0.0	384.537	0.0
load	N_1700091787	constant_power_B_real	769.074	0.0	384.537	0.0
load	N_1700091787	constant_power_C_real	769.074	0.0	384.537	0.0
load	N_1700091787	constant_power_A_reac	476.629	0.0	238.3145	0.0
load	N_1700091787	constant_power_B_reac	476.629	0.0	238.3145	0.0
load	N_1700091787	constant_power_C_reac	476.629	0.0	238.3145	0.0
load	N_1700093626	constant_power_A	433.992	142.646	216.996	71.323
load	N_1700093626	constant_power_B	433.992	142.646	216.996	71.323
load	N_1700093626	constant_power_C	433.992	142.646	216.996	71.323
load	N_1700093626	constant_power_A_real	433.992	0.0	216.996	0.0
load	N_1700093626	constant_power_B_real	433.992	0.0	216.996	0.0
load	N_1700093626	constant_power_C_real	433.992	0.0	216.996	0.0
load	N_1700093626	constant_power_A_reac	142.646	0.0	71.323	0.0
load	N_1700093626	constant_power_B_reac	142.646	0.0	71.323	0.0
load	N_1700093626	constant_power_C_reac	142.646	0.0	71.323	0.0
load	N_1700093964	constant_power_A	286.637	97.1506	143.3185	48.5753
load	N_1700093964	constant_power_B	286.637	97.1506	143.3185	48.5753
load	N_1700093964	constant_power_C	286.637	97.1506	143.3185	48.5753
load	N_1700093964	constant_power_A_real	286.637	0.0	143.3185	0.0
load	N_1700093964	constant_power_B_real	286.637	0.0	143.3185	0.0
load	N_1700093964	constant_power_C_real	286.637	0.0	143.3185	0.0
load	N_1700093964	constant_power_A_reac	97.1506	0.0	48.5753	0.0
load	N_1700093964	constant_power_B_reac	97.1506	0.0	48.5753	0.0
load	N_1700093964	constant_power_C_reac	97.1506	0.0	48.5753	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092742	constant_power_A	585.384	192.407	292.692	96.2035
load	N_1700092742	constant_power_B	585.384	192.407	292.692	96.2035
load	N_1700092742	constant_power_C	585.384	192.407	292.692	96.2035
load	N_1700092742	constant_power_A_real	585.384	0.0	292.692	0.0
load	N_1700092742	constant_power_B_real	585.384	0.0	292.692	0.0
load	N_1700092742	constant_power_C_real	585.384	0.0	292.692	0.0
load	N_1700092742	constant_power_A_reac	192.407	0.0	96.2035	0.0
load	N_1700092742	constant_power_B_reac	192.407	0.0	96.2035	0.0
load	N_1700092742	constant_power_C_reac	192.407	0.0	96.2035	0.0
load	N_1700067028	constant_power_A	589.422	193.734	294.711	96.867
load	N_1700067028	constant_power_B	589.422	193.734	294.711	96.867
load	N_1700067028	constant_power_C	589.422	193.734	294.711	96.867
load	N_1700067028	constant_power_A_real	589.422	0.0	294.711	0.0
load	N_1700067028	constant_power_B_real	589.422	0.0	294.711	0.0
load	N_1700067028	constant_power_C_real	589.422	0.0	294.711	0.0
load	N_1700067028	constant_power_A_reac	193.734	0.0	96.867	0.0
load	N_1700067028	constant_power_B_reac	193.734	0.0	96.867	0.0
load	N_1700067028	constant_power_C_reac	193.734	0.0	96.867	0.0
load	N_1700093880	constant_power_A	13296.3	8240.31	6648.15	4120.155
load	N_1700093880	constant_power_B	13296.3	8240.31	6648.15	4120.155
load	N_1700093880	constant_power_C	13296.3	8240.31	6648.15	4120.155
load	N_1700093880	constant_power_A_real	13296.3	0.0	6648.15	0.0
load	N_1700093880	constant_power_B_real	13296.3	0.0	6648.15	0.0
load	N_1700093880	constant_power_C_real	13296.3	0.0	6648.15	0.0
load	N_1700093880	constant_power_A_reac	8240.31	0.0	4120.155	0.0
load	N_1700093880	constant_power_B_reac	8240.31	0.0	4120.155	0.0
load	N_1700093880	constant_power_C_reac	8240.31	0.0	4120.155	0.0
load	N_1700055398	constant_power_A	2028.66	666.788	1014.33	333.394
load	N_1700055398	constant_power_B	2028.66	666.788	1014.33	333.394
load	N_1700055398	constant_power_A_real	2028.66	0.0	1014.33	0.0
load	N_1700055398	constant_power_B_real	2028.66	0.0	1014.33	0.0
load	N_1700055398	constant_power_A_reac	666.788	0.0	333.394	0.0
load	N_1700055398	constant_power_B_reac	666.788	0.0	333.394	0.0
load	N_1700091788	constant_power_A	540.976	177.81	270.488	88.905
load	N_1700091788	constant_power_B	540.976	177.81	270.488	88.905
load	N_1700091788	constant_power_C	540.976	177.81	270.488	88.905
load	N_1700091788	constant_power_A_real	540.976	0.0	270.488	0.0
load	N_1700091788	constant_power_B_real	540.976	0.0	270.488	0.0
load	N_1700091788	constant_power_C_real	540.976	0.0	270.488	0.0
load	N_1700091788	constant_power_A_reac	177.81	0.0	88.905	0.0
load	N_1700091788	constant_power_B_reac	177.81	0.0	88.905	0.0
load	N_1700091788	constant_power_C_reac	177.81	0.0	88.905	0.0
load	N_1700093884	constant_power_A	208.922	68.6693	104.461	34.33465
load	N_1700093884	constant_power_B	208.922	68.6693	104.461	34.33465
load	N_1700093884	constant_power_A_real	208.922	0.0	104.461	0.0
load	N_1700093884	constant_power_B_real	208.922	0.0	104.461	0.0
load	N_1700093884	constant_power_A_reac	68.6693	0.0	34.33465	0.0
load	N_1700093884	constant_power_B_reac	68.6693	0.0	34.33465	0.0
load	N_1700093887	constant_power_A	1055.71	346.995	527.855	173.4975
load	N_1700093887	constant_power_B	1055.71	346.995	527.855	173.4975
load	N_1700093887	constant_power_C	1055.71	346.995	527.855	173.4975
load	N_1700093887	constant_power_A_real	1055.71	0.0	527.855	0.0
load	N_1700093887	constant_power_B_real	1055.71	0.0	527.855	0.0
load	N_1700093887	constant_power_C_real	1055.71	0.0	527.855	0.0
load	N_1700093887	constant_power_A_reac	346.995	0.0	173.4975	0.0
load	N_1700093887	constant_power_B_reac	346.995	0.0	173.4975	0.0
load	N_1700093887	constant_power_C_reac	346.995	0.0	173.4975	0.0
load	N_1700093886	constant_power_A	684.294	224.917	342.147	112.4585
load	N_1700093886	constant_power_B	684.294	224.917	342.147	112.4585
load	N_1700093886	constant_power_C	684.294	224.917	342.147	112.4585
load	N_1700093886	constant_power_A_real	684.294	0.0	342.147	0.0
load	N_1700093886	constant_power_B_real	684.294	0.0	342.147	0.0
load	N_1700093886	constant_power_C_real	684.294	0.0	342.147	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093886	constant_power_A_reac	224.917	0.0	112.4585	0.0
load	N_1700093886	constant_power_B_reac	224.917	0.0	112.4585	0.0
load	N_1700093886	constant_power_C_reac	224.917	0.0	112.4585	0.0
load	N_1700023060	constant_power_A	308.841	101.511	154.4205	50.7555
load	N_1700023060	constant_power_B	308.841	101.511	154.4205	50.7555
load	N_1700023060	constant_power_A_real	308.841	0.0	154.4205	0.0
load	N_1700023060	constant_power_B_real	308.841	0.0	154.4205	0.0
load	N_1700023060	constant_power_A_reac	101.511	0.0	50.7555	0.0
load	N_1700023060	constant_power_B_reac	101.511	0.0	50.7555	0.0
load	N_1700070177	constant_power_A	940.652	309.177	470.326	154.5885
load	N_1700070177	constant_power_B	940.652	309.177	470.326	154.5885
load	N_1700070177	constant_power_C	940.652	309.177	470.326	154.5885
load	N_1700070177	constant_power_A_real	940.652	0.0	470.326	0.0
load	N_1700070177	constant_power_B_real	940.652	0.0	470.326	0.0
load	N_1700070177	constant_power_C_real	940.652	0.0	470.326	0.0
load	N_1700070177	constant_power_A_reac	309.177	0.0	154.5885	0.0
load	N_1700070177	constant_power_B_reac	309.177	0.0	154.5885	0.0
load	N_1700070177	constant_power_C_reac	309.177	0.0	154.5885	0.0
load	N_1700070174	constant_power_A	282.599	92.8859	141.2995	46.44295
load	N_1700070174	constant_power_B	282.599	92.8859	141.2995	46.44295
load	N_1700070174	constant_power_C	282.599	92.8859	141.2995	46.44295
load	N_1700070174	constant_power_A_real	282.599	0.0	141.2995	0.0
load	N_1700070174	constant_power_B_real	282.599	0.0	141.2995	0.0
load	N_1700070174	constant_power_C_real	282.599	0.0	141.2995	0.0
load	N_1700070174	constant_power_A_reac	92.8859	0.0	46.44295	0.0
load	N_1700070174	constant_power_B_reac	92.8859	0.0	46.44295	0.0
load	N_1700070174	constant_power_C_reac	92.8859	0.0	46.44295	0.0
load	N_1700070175	constant_power_A	456.196	149.944	228.098	74.972
load	N_1700070175	constant_power_B	456.196	149.944	228.098	74.972
load	N_1700070175	constant_power_C	456.196	149.944	228.098	74.972
load	N_1700070175	constant_power_A_real	456.196	0.0	228.098	0.0
load	N_1700070175	constant_power_B_real	456.196	0.0	228.098	0.0
load	N_1700070175	constant_power_C_real	456.196	0.0	228.098	0.0
load	N_1700070175	constant_power_A_reac	149.944	0.0	74.972	0.0
load	N_1700070175	constant_power_B_reac	149.944	0.0	74.972	0.0
load	N_1700070175	constant_power_C_reac	149.944	0.0	74.972	0.0
load	N_1700055191	constant_power_A	2364.75	777.256	1182.375	388.628
load	N_1700055191	constant_power_B	2364.75	777.256	1182.375	388.628
load	N_1700055191	constant_power_A_real	2364.75	0.0	1182.375	0.0
load	N_1700055191	constant_power_B_real	2364.75	0.0	1182.375	0.0
load	N_1700055191	constant_power_A_reac	777.256	0.0	388.628	0.0
load	N_1700055191	constant_power_B_reac	777.256	0.0	388.628	0.0
load	N_1700093506	constant_power_A	5262.4	1729.67	2631.2	864.835
load	N_1700093506	constant_power_A_real	5262.4	0.0	2631.2	0.0
load	N_1700093506	constant_power_A_reac	1729.67	0.0	864.835	0.0
load	N_1700055192	constant_power_A	1550.26	509.545	775.13	254.7725
load	N_1700055192	constant_power_B	1550.26	509.545	775.13	254.7725
load	N_1700055192	constant_power_A_real	1550.26	0.0	775.13	0.0
load	N_1700055192	constant_power_B_real	1550.26	0.0	775.13	0.0
load	N_1700055192	constant_power_A_reac	509.545	0.0	254.7725	0.0
load	N_1700055192	constant_power_B_reac	509.545	0.0	254.7725	0.0
load	N_1700094721	constant_power_A	732.74	240.84	366.37	120.42
load	N_1700094721	constant_power_B	732.74	240.84	366.37	120.42
load	N_1700094721	constant_power_A_real	732.74	0.0	366.37	0.0
load	N_1700094721	constant_power_B_real	732.74	0.0	366.37	0.0
load	N_1700094721	constant_power_A_reac	240.84	0.0	120.42	0.0
load	N_1700094721	constant_power_B_reac	240.84	0.0	120.42	0.0
load	N_1700091766	constant_power_A	2424.3	1502.45	1212.15	751.225
load	N_1700091766	constant_power_B	2424.3	1502.45	1212.15	751.225
load	N_1700091766	constant_power_C	2424.3	1502.45	1212.15	751.225
load	N_1700091766	constant_power_A_real	2424.3	0.0	1212.15	0.0
load	N_1700091766	constant_power_B_real	2424.3	0.0	1212.15	0.0
load	N_1700091766	constant_power_C_real	2424.3	0.0	1212.15	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700091766	constant_power_A_reac	1502.45	0.0	751.225	0.0
load	N_1700091766	constant_power_B_reac	1502.45	0.0	751.225	0.0
load	N_1700091766	constant_power_C_reac	1502.45	0.0	751.225	0.0
load	N_1700094723	constant_power_A	712.554	242.431	356.277	121.2155
load	N_1700094723	constant_power_B	712.554	242.431	356.277	121.2155
load	N_1700094723	constant_power_C	712.554	242.431	356.277	121.2155
load	N_1700094723	constant_power_A_real	712.554	0.0	356.277	0.0
load	N_1700094723	constant_power_B_real	712.554	0.0	356.277	0.0
load	N_1700094723	constant_power_C_real	712.554	0.0	356.277	0.0
load	N_1700094723	constant_power_A_reac	242.431	0.0	121.2155	0.0
load	N_1700094723	constant_power_B_reac	242.431	0.0	121.2155	0.0
load	N_1700094723	constant_power_C_reac	242.431	0.0	121.2155	0.0
load	N_1700094722	constant_power_A	566.208	186.104	283.104	93.052
load	N_1700094722	constant_power_B	566.208	186.104	283.104	93.052
load	N_1700094722	constant_power_A_real	566.208	0.0	283.104	0.0
load	N_1700094722	constant_power_B_real	566.208	0.0	283.104	0.0
load	N_1700094722	constant_power_A_reac	186.104	0.0	93.052	0.0
load	N_1700094722	constant_power_B_reac	186.104	0.0	93.052	0.0
load	N_1700008349	constant_power_A	75666.7	46894.0	37833.35	23447.0
load	N_1700008349	constant_power_B	75666.7	46894.0	37833.35	23447.0
load	N_1700008349	constant_power_C	75666.7	46894.0	37833.35	23447.0
load	N_1700008349	constant_power_A_real	75666.7	0.0	37833.35	0.0
load	N_1700008349	constant_power_B_real	75666.7	0.0	37833.35	0.0
load	N_1700008349	constant_power_C_real	75666.7	0.0	37833.35	0.0
load	N_1700008349	constant_power_A_reac	46894.0	0.0	23447.0	0.0
load	N_1700008349	constant_power_B_reac	46894.0	0.0	23447.0	0.0
load	N_1700008349	constant_power_C_reac	46894.0	0.0	23447.0	0.0
load	N_1700094727	constant_power_A	52.4827	32.5258	26.24135	16.2629
load	N_1700094727	constant_power_B	52.4827	32.5258	26.24135	16.2629
load	N_1700094727	constant_power_C	52.4827	32.5258	26.24135	16.2629
load	N_1700094727	constant_power_A_real	52.4827	0.0	26.24135	0.0
load	N_1700094727	constant_power_B_real	52.4827	0.0	26.24135	0.0
load	N_1700094727	constant_power_C_real	52.4827	0.0	26.24135	0.0
load	N_1700094727	constant_power_A_reac	32.5258	0.0	16.2629	0.0
load	N_1700094727	constant_power_B_reac	32.5258	0.0	16.2629	0.0
load	N_1700094727	constant_power_C_reac	32.5258	0.0	16.2629	0.0
load	N_1700009935	constant_power_A	369.398	121.415	184.699	60.7075
load	N_1700009935	constant_power_B	369.398	121.415	184.699	60.7075
load	N_1700009935	constant_power_C	369.398	121.415	184.699	60.7075
load	N_1700009935	constant_power_A_real	369.398	0.0	184.699	0.0
load	N_1700009935	constant_power_B_real	369.398	0.0	184.699	0.0
load	N_1700009935	constant_power_C_real	369.398	0.0	184.699	0.0
load	N_1700009935	constant_power_A_reac	121.415	0.0	60.7075	0.0
load	N_1700009935	constant_power_B_reac	121.415	0.0	60.7075	0.0
load	N_1700009935	constant_power_C_reac	121.415	0.0	60.7075	0.0
load	N_1700093132	constant_power_A	245.256	80.6117	122.628	40.30585
load	N_1700093132	constant_power_B	245.256	80.6117	122.628	40.30585
load	N_1700093132	constant_power_A_real	245.256	0.0	122.628	0.0
load	N_1700093132	constant_power_B_real	245.256	0.0	122.628	0.0
load	N_1700093132	constant_power_A_reac	80.6117	0.0	40.30585	0.0
load	N_1700093132	constant_power_B_reac	80.6117	0.0	40.30585	0.0
load	N_1700093134	constant_power_A	617.682	203.022	308.841	101.511
load	N_1700093134	constant_power_B	617.682	203.022	308.841	101.511
load	N_1700093134	constant_power_A_real	617.682	0.0	308.841	0.0
load	N_1700093134	constant_power_B_real	617.682	0.0	308.841	0.0
load	N_1700093134	constant_power_A_reac	203.022	0.0	101.511	0.0
load	N_1700093134	constant_power_B_reac	203.022	0.0	101.511	0.0
load	N_1700093030	constant_power_A	3191.35	1048.95	1595.675	524.475
load	N_1700093030	constant_power_A_real	3191.35	0.0	1595.675	0.0
load	N_1700093030	constant_power_A_reac	1048.95	0.0	524.475	0.0
load	N_1700055591	constant_power_A	44149.4	27361.3	22074.7	13680.65
load	N_1700055591	constant_power_B	44149.4	27361.3	22074.7	13680.65
load	N_1700055591	constant_power_C	44149.4	27361.3	22074.7	13680.65

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700055591	constant_power_A_real	44149.4	0.0	22074.7	0.0
load	N_1700055591	constant_power_B_real	44149.4	0.0	22074.7	0.0
load	N_1700055591	constant_power_C_real	44149.4	0.0	22074.7	0.0
load	N_1700055591	constant_power_A_reac	27361.3	0.0	13680.65	0.0
load	N_1700055591	constant_power_B_reac	27361.3	0.0	13680.65	0.0
load	N_1700055591	constant_power_C_reac	27361.3	0.0	13680.65	0.0
load	N_1700094249	constant_power_A	833.668	516.661	416.834	258.3305
load	N_1700094249	constant_power_B	833.668	516.661	416.834	258.3305
load	N_1700094249	constant_power_C	833.668	516.661	416.834	258.3305
load	N_1700094249	constant_power_A_real	833.668	0.0	416.834	0.0
load	N_1700094249	constant_power_B_real	833.668	0.0	416.834	0.0
load	N_1700094249	constant_power_C_real	833.668	0.0	416.834	0.0
load	N_1700094249	constant_power_A_reac	516.661	0.0	258.3305	0.0
load	N_1700094249	constant_power_B_reac	516.661	0.0	258.3305	0.0
load	N_1700094249	constant_power_C_reac	516.661	0.0	258.3305	0.0
load	N_1700010386	constant_power_A	672.183	220.936	336.0915	110.468
load	N_1700010386	constant_power_B	672.183	220.936	336.0915	110.468
load	N_1700010386	constant_power_C	672.183	220.936	336.0915	110.468
load	N_1700010386	constant_power_A_real	672.183	0.0	336.0915	0.0
load	N_1700010386	constant_power_B_real	672.183	0.0	336.0915	0.0
load	N_1700010386	constant_power_C_real	672.183	0.0	336.0915	0.0
load	N_1700010386	constant_power_A_reac	220.936	0.0	110.468	0.0
load	N_1700010386	constant_power_B_reac	220.936	0.0	110.468	0.0
load	N_1700010386	constant_power_C_reac	220.936	0.0	110.468	0.0
load	N_1700093038	constant_power_A	1362.53	447.843	681.265	223.9215
load	N_1700093038	constant_power_A_real	1362.53	0.0	681.265	0.0
load	N_1700093038	constant_power_A_reac	447.843	0.0	223.9215	0.0
load	N_1700093039	constant_power_A	1247.47	410.025	623.735	205.0125
load	N_1700093039	constant_power_A_real	1247.47	0.0	623.735	0.0
load	N_1700093039	constant_power_A_reac	410.025	0.0	205.0125	0.0
load	N_1700069890	constant_power_A	1606.78	528.123	803.39	264.0615
load	N_1700069890	constant_power_B	1606.78	528.123	803.39	264.0615
load	N_1700069890	constant_power_C	1606.78	528.123	803.39	264.0615
load	N_1700069890	constant_power_A_real	1606.78	0.0	803.39	0.0
load	N_1700069890	constant_power_B_real	1606.78	0.0	803.39	0.0
load	N_1700069890	constant_power_C_real	1606.78	0.0	803.39	0.0
load	N_1700069890	constant_power_A_reac	528.123	0.0	264.0615	0.0
load	N_1700069890	constant_power_B_reac	528.123	0.0	264.0615	0.0
load	N_1700069890	constant_power_C_reac	528.123	0.0	264.0615	0.0
load	N_1700093494	constant_power_A	536.939	176.483	268.4695	88.2415
load	N_1700093494	constant_power_B	536.939	176.483	268.4695	88.2415
load	N_1700093494	constant_power_C	536.939	176.483	268.4695	88.2415
load	N_1700093494	constant_power_A_real	536.939	0.0	268.4695	0.0
load	N_1700093494	constant_power_B_real	536.939	0.0	268.4695	0.0
load	N_1700093494	constant_power_C_real	536.939	0.0	268.4695	0.0
load	N_1700093494	constant_power_A_reac	176.483	0.0	88.2415	0.0
load	N_1700093494	constant_power_B_reac	176.483	0.0	88.2415	0.0
load	N_1700093494	constant_power_C_reac	176.483	0.0	88.2415	0.0
load	N_1700280705	constant_power_A	551.069	181.128	275.5345	90.564
load	N_1700280705	constant_power_B	551.069	181.128	275.5345	90.564
load	N_1700280705	constant_power_C	551.069	181.128	275.5345	90.564
load	N_1700280705	constant_power_A_real	551.069	0.0	275.5345	0.0
load	N_1700280705	constant_power_B_real	551.069	0.0	275.5345	0.0
load	N_1700280705	constant_power_C_real	551.069	0.0	275.5345	0.0
load	N_1700280705	constant_power_A_reac	181.128	0.0	90.564	0.0
load	N_1700280705	constant_power_B_reac	181.128	0.0	90.564	0.0
load	N_1700280705	constant_power_C_reac	181.128	0.0	90.564	0.0
load	N_1700093585	constant_power_A	445.094	146.295	222.547	73.1475
load	N_1700093585	constant_power_B	445.094	146.295	222.547	73.1475
load	N_1700093585	constant_power_A_real	445.094	0.0	222.547	0.0
load	N_1700093585	constant_power_B_real	445.094	0.0	222.547	0.0
load	N_1700093585	constant_power_A_reac	146.295	0.0	73.1475	0.0
load	N_1700093585	constant_power_B_reac	146.295	0.0	73.1475	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700010869	constant_power_A	35666.7	22104.2	17833.35	11052.1
load	N_1700010869	constant_power_B	35666.7	22104.2	17833.35	11052.1
load	N_1700010869	constant_power_C	35666.7	22104.2	17833.35	11052.1
load	N_1700010869	constant_power_A_real	35666.7	0.0	17833.35	0.0
load	N_1700010869	constant_power_B_real	35666.7	0.0	17833.35	0.0
load	N_1700010869	constant_power_C_real	35666.7	0.0	17833.35	0.0
load	N_1700010869	constant_power_A_reac	22104.2	0.0	11052.1	0.0
load	N_1700010869	constant_power_B_reac	22104.2	0.0	11052.1	0.0
load	N_1700010869	constant_power_C_reac	22104.2	0.0	11052.1	0.0
load	N_1700093580	constant_power_A	436.01	143.31	218.005	71.655
load	N_1700093580	constant_power_B	436.01	143.31	218.005	71.655
load	N_1700093580	constant_power_A_real	436.01	0.0	218.005	0.0
load	N_1700093580	constant_power_B_real	436.01	0.0	218.005	0.0
load	N_1700093580	constant_power_A_reac	143.31	0.0	71.655	0.0
load	N_1700093580	constant_power_B_reac	143.31	0.0	71.655	0.0
load	N_1700092729	constant_power_A	684.294	224.917	342.147	112.4585
load	N_1700092729	constant_power_B	684.294	224.917	342.147	112.4585
load	N_1700092729	constant_power_A_real	684.294	0.0	342.147	0.0
load	N_1700092729	constant_power_B_real	684.294	0.0	342.147	0.0
load	N_1700092729	constant_power_A_reac	224.917	0.0	112.4585	0.0
load	N_1700092729	constant_power_B_reac	224.917	0.0	112.4585	0.0
load	N_1700119416	constant_power_A	1192.97	392.111	596.485	196.0555
load	N_1700119416	constant_power_A_real	1192.97	0.0	596.485	0.0
load	N_1700119416	constant_power_A_reac	392.111	0.0	196.0555	0.0
load	N_1700092823	constant_power_C	7830.02	2573.6	3915.01	1286.8
load	N_1700092823	constant_power_C_real	7830.02	0.0	3915.01	0.0
load	N_1700092823	constant_power_C_reac	2573.6	0.0	1286.8	0.0
load	N_1700092824	constant_power_C	7285.01	2394.47	3642.505	1197.235
load	N_1700092824	constant_power_C_real	7285.01	0.0	3642.505	0.0
load	N_1700092824	constant_power_C_reac	2394.47	0.0	1197.235	0.0
load	N_1700092825	constant_power_C	4293.49	1411.2	2146.745	705.6
load	N_1700092825	constant_power_C_real	4293.49	0.0	2146.745	0.0
load	N_1700092825	constant_power_C_reac	1411.2	0.0	705.6	0.0
load	N_1700092826	constant_power_C	8526.43	2802.5	4263.215	1401.25
load	N_1700092826	constant_power_C_real	8526.43	0.0	4263.215	0.0
load	N_1700092826	constant_power_C_reac	2802.5	0.0	1401.25	0.0
load	N_1700092827	constant_power_A	2052.88	674.75	1026.44	337.375
load	N_1700092827	constant_power_B	2052.88	674.75	1026.44	337.375
load	N_1700092827	constant_power_A_real	2052.88	0.0	1026.44	0.0
load	N_1700092827	constant_power_B_real	2052.88	0.0	1026.44	0.0
load	N_1700092827	constant_power_A_reac	674.75	0.0	337.375	0.0
load	N_1700092827	constant_power_B_reac	674.75	0.0	337.375	0.0
load	N_1700092828	constant_power_A	1205.09	396.092	602.545	198.046
load	N_1700092828	constant_power_B	1205.09	396.092	602.545	198.046
load	N_1700092828	constant_power_A_real	1205.09	0.0	602.545	0.0
load	N_1700092828	constant_power_B_real	1205.09	0.0	602.545	0.0
load	N_1700092828	constant_power_A_reac	396.092	0.0	198.046	0.0
load	N_1700092828	constant_power_B_reac	396.092	0.0	198.046	0.0
load	N_1700094237	constant_power_A	2359.7	1462.41	1179.85	731.205
load	N_1700094237	constant_power_B	2359.7	1462.41	1179.85	731.205
load	N_1700094237	constant_power_C	2359.7	1462.41	1179.85	731.205
load	N_1700094237	constant_power_A_real	2359.7	0.0	1179.85	0.0
load	N_1700094237	constant_power_B_real	2359.7	0.0	1179.85	0.0
load	N_1700094237	constant_power_C_real	2359.7	0.0	1179.85	0.0
load	N_1700094237	constant_power_A_reac	1462.41	0.0	731.205	0.0
load	N_1700094237	constant_power_B_reac	1462.41	0.0	731.205	0.0
load	N_1700094237	constant_power_C_reac	1462.41	0.0	731.205	0.0
load	N_1700019155	constant_power_A	1691.56	1012.5	845.78	506.25
load	N_1700019155	constant_power_B	1691.56	1012.5	845.78	506.25
load	N_1700019155	constant_power_C	1691.56	1012.5	845.78	506.25
load	N_1700019155	constant_power_A_real	1691.56	0.0	845.78	0.0
load	N_1700019155	constant_power_B_real	1691.56	0.0	845.78	0.0
load	N_1700019155	constant_power_C_real	1691.56	0.0	845.78	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700019155	constant_power_A_reac	1012.5	0.0	506.25	0.0
load	N_1700019155	constant_power_B_reac	1012.5	0.0	506.25	0.0
load	N_1700019155	constant_power_C_reac	1012.5	0.0	506.25	0.0
load	N_1700092982	constant_power_A	1798.54	624.054	899.27	312.027
load	N_1700092982	constant_power_B	1798.54	624.054	899.27	312.027
load	N_1700092982	constant_power_C	1798.54	624.054	899.27	312.027
load	N_1700092982	constant_power_A_real	1798.54	0.0	899.27	0.0
load	N_1700092982	constant_power_B_real	1798.54	0.0	899.27	0.0
load	N_1700092982	constant_power_C_real	1798.54	0.0	899.27	0.0
load	N_1700092982	constant_power_A_reac	624.054	0.0	312.027	0.0
load	N_1700092982	constant_power_B_reac	624.054	0.0	312.027	0.0
load	N_1700092982	constant_power_C_reac	624.054	0.0	312.027	0.0
load	N_1700092980	constant_power_A	696.406	228.897	348.203	114.4485
load	N_1700092980	constant_power_B	696.406	228.897	348.203	114.4485
load	N_1700092980	constant_power_C	696.406	228.897	348.203	114.4485
load	N_1700092980	constant_power_A_real	696.406	0.0	348.203	0.0
load	N_1700092980	constant_power_B_real	696.406	0.0	348.203	0.0
load	N_1700092980	constant_power_C_real	696.406	0.0	348.203	0.0
load	N_1700092980	constant_power_A_reac	228.897	0.0	114.4485	0.0
load	N_1700092980	constant_power_B_reac	228.897	0.0	114.4485	0.0
load	N_1700092980	constant_power_C_reac	228.897	0.0	114.4485	0.0
load	N_1700094619	constant_power_A	15246.2	9448.77	7623.1	4724.385
load	N_1700094619	constant_power_B	15246.2	9448.77	7623.1	4724.385
load	N_1700094619	constant_power_C	15246.2	9448.77	7623.1	4724.385
load	N_1700094619	constant_power_A_real	15246.2	0.0	7623.1	0.0
load	N_1700094619	constant_power_B_real	15246.2	0.0	7623.1	0.0
load	N_1700094619	constant_power_C_real	15246.2	0.0	7623.1	0.0
load	N_1700094619	constant_power_A_reac	9448.77	0.0	4724.385	0.0
load	N_1700094619	constant_power_B_reac	9448.77	0.0	4724.385	0.0
load	N_1700094619	constant_power_C_reac	9448.77	0.0	4724.385	0.0
load	N_1700092718	constant_power_A	90.8353	33.3813	45.41765	16.69065
load	N_1700092718	constant_power_B	90.8353	33.3813	45.41765	16.69065
load	N_1700092718	constant_power_C	90.8353	33.3813	45.41765	16.69065
load	N_1700092718	constant_power_A_real	90.8353	0.0	45.41765	0.0
load	N_1700092718	constant_power_B_real	90.8353	0.0	45.41765	0.0
load	N_1700092718	constant_power_C_real	90.8353	0.0	45.41765	0.0
load	N_1700092718	constant_power_A_reac	33.3813	0.0	16.69065	0.0
load	N_1700092718	constant_power_B_reac	33.3813	0.0	16.69065	0.0
load	N_1700092718	constant_power_C_reac	33.3813	0.0	16.69065	0.0
load	N_1700094591	constant_power_A	2012.51	1247.24	1006.255	623.62
load	N_1700094591	constant_power_B	2012.51	1247.24	1006.255	623.62
load	N_1700094591	constant_power_C	2012.51	1247.24	1006.255	623.62
load	N_1700094591	constant_power_A_real	2012.51	0.0	1006.255	0.0
load	N_1700094591	constant_power_B_real	2012.51	0.0	1006.255	0.0
load	N_1700094591	constant_power_C_real	2012.51	0.0	1006.255	0.0
load	N_1700094591	constant_power_A_reac	1247.24	0.0	623.62	0.0
load	N_1700094591	constant_power_B_reac	1247.24	0.0	623.62	0.0
load	N_1700094591	constant_power_C_reac	1247.24	0.0	623.62	0.0
load	N_1700092714	constant_power_A	284.618	93.5494	142.309	46.7747
load	N_1700092714	constant_power_B	284.618	93.5494	142.309	46.7747
load	N_1700092714	constant_power_A_real	284.618	0.0	142.309	0.0
load	N_1700092714	constant_power_B_real	284.618	0.0	142.309	0.0
load	N_1700092714	constant_power_A_reac	93.5494	0.0	46.7747	0.0
load	N_1700092714	constant_power_B_reac	93.5494	0.0	46.7747	0.0
load	N_1700092715	constant_power_A	466.289	288.98	233.1445	144.49
load	N_1700092715	constant_power_B	466.289	288.98	233.1445	144.49
load	N_1700092715	constant_power_C	466.289	288.98	233.1445	144.49
load	N_1700092715	constant_power_A_real	466.289	0.0	233.1445	0.0
load	N_1700092715	constant_power_B_real	466.289	0.0	233.1445	0.0
load	N_1700092715	constant_power_C_real	466.289	0.0	233.1445	0.0
load	N_1700092715	constant_power_A_reac	288.98	0.0	144.49	0.0
load	N_1700092715	constant_power_B_reac	288.98	0.0	144.49	0.0
load	N_1700092715	constant_power_C_reac	288.98	0.0	144.49	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092713	constant_power_A	1247.47	410.025	623.735	205.0125
load	N_1700092713	constant_power_B	1247.47	410.025	623.735	205.0125
load	N_1700092713	constant_power_A_real	1247.47	0.0	623.735	0.0
load	N_1700092713	constant_power_B_real	1247.47	0.0	623.735	0.0
load	N_1700092713	constant_power_A_reac	410.025	0.0	205.0125	0.0
load	N_1700092713	constant_power_B_reac	410.025	0.0	205.0125	0.0
load	N_1700094612	constant_power_A	3996.76	2476.97	1998.38	1238.485
load	N_1700094612	constant_power_B	3996.76	2476.97	1998.38	1238.485
load	N_1700094612	constant_power_C	3996.76	2476.97	1998.38	1238.485
load	N_1700094612	constant_power_A_real	3996.76	0.0	1998.38	0.0
load	N_1700094612	constant_power_B_real	3996.76	0.0	1998.38	0.0
load	N_1700094612	constant_power_C_real	3996.76	0.0	1998.38	0.0
load	N_1700094612	constant_power_A_reac	2476.97	0.0	1238.485	0.0
load	N_1700094612	constant_power_B_reac	2476.97	0.0	1238.485	0.0
load	N_1700094612	constant_power_C_reac	2476.97	0.0	1238.485	0.0
load	N_1700069949	constant_power_A	3932.17	1719.57	1966.085	859.785
load	N_1700069949	constant_power_B	3932.17	1719.57	1966.085	859.785
load	N_1700069949	constant_power_C	3932.17	1719.57	1966.085	859.785
load	N_1700069949	constant_power_A_real	3932.17	0.0	1966.085	0.0
load	N_1700069949	constant_power_B_real	3932.17	0.0	1966.085	0.0
load	N_1700069949	constant_power_C_real	3932.17	0.0	1966.085	0.0
load	N_1700069949	constant_power_A_reac	1719.57	0.0	859.785	0.0
load	N_1700069949	constant_power_B_reac	1719.57	0.0	859.785	0.0
load	N_1700069949	constant_power_C_reac	1719.57	0.0	859.785	0.0
load	N_1700094207	constant_power_A	808.436	265.72	404.218	132.86
load	N_1700094207	constant_power_B	808.436	265.72	404.218	132.86
load	N_1700094207	constant_power_A_real	808.436	0.0	404.218	0.0
load	N_1700094207	constant_power_B_real	808.436	0.0	404.218	0.0
load	N_1700094207	constant_power_A_reac	265.72	0.0	132.86	0.0
load	N_1700094207	constant_power_B_reac	265.72	0.0	132.86	0.0
load	N_1700093627	constant_power_A	4129.99	2454.66	2064.995	1227.33
load	N_1700093627	constant_power_B	4129.99	2454.66	2064.995	1227.33
load	N_1700093627	constant_power_A_real	4129.99	0.0	2064.995	0.0
load	N_1700093627	constant_power_B_real	4129.99	0.0	2064.995	0.0
load	N_1700093627	constant_power_A_reac	2454.66	0.0	1227.33	0.0
load	N_1700093627	constant_power_B_reac	2454.66	0.0	1227.33	0.0
load	N_1700093621	constant_power_A	46.427	15.2598	23.2135	7.6299
load	N_1700093621	constant_power_B	46.427	15.2598	23.2135	7.6299
load	N_1700093621	constant_power_C	46.427	15.2598	23.2135	7.6299
load	N_1700093621	constant_power_A_real	46.427	0.0	23.2135	0.0
load	N_1700093621	constant_power_B_real	46.427	0.0	23.2135	0.0
load	N_1700093621	constant_power_C_real	46.427	0.0	23.2135	0.0
load	N_1700093621	constant_power_A_reac	15.2598	0.0	7.6299	0.0
load	N_1700093621	constant_power_B_reac	15.2598	0.0	7.6299	0.0
load	N_1700093621	constant_power_C_reac	15.2598	0.0	7.6299	0.0
load	N_1700093620	constant_power_A	3140.89	1106.39	1570.445	553.195
load	N_1700093620	constant_power_B	3140.89	1106.39	1570.445	553.195
load	N_1700093620	constant_power_C	3140.89	1106.39	1570.445	553.195
load	N_1700093620	constant_power_A_real	3140.89	0.0	1570.445	0.0
load	N_1700093620	constant_power_B_real	3140.89	0.0	1570.445	0.0
load	N_1700093620	constant_power_C_real	3140.89	0.0	1570.445	0.0
load	N_1700093620	constant_power_A_reac	1106.39	0.0	553.195	0.0
load	N_1700093620	constant_power_B_reac	1106.39	0.0	553.195	0.0
load	N_1700093620	constant_power_C_reac	1106.39	0.0	553.195	0.0
load	N_1700093131	constant_power_A	711.545	233.874	355.7725	116.937
load	N_1700093131	constant_power_B	711.545	233.874	355.7725	116.937
load	N_1700093131	constant_power_A_real	711.545	0.0	355.7725	0.0
load	N_1700093131	constant_power_B_real	711.545	0.0	355.7725	0.0
load	N_1700093131	constant_power_A_reac	233.874	0.0	116.937	0.0
load	N_1700093131	constant_power_B_reac	233.874	0.0	116.937	0.0
load	N_1700070103	constant_power_A	932.578	306.524	466.289	153.262
load	N_1700070103	constant_power_B	932.578	306.524	466.289	153.262
load	N_1700070103	constant_power_A_real	932.578	0.0	466.289	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700070103	constant_power_B_real	932.578	0.0	466.289	0.0
load	N_1700070103	constant_power_A_reac	306.524	0.0	153.262	0.0
load	N_1700070103	constant_power_B_reac	306.524	0.0	153.262	0.0
load	N_1700093628	constant_power_A	607.589	199.705	303.7945	99.8525
load	N_1700093628	constant_power_B	607.589	199.705	303.7945	99.8525
load	N_1700093628	constant_power_C	607.589	199.705	303.7945	99.8525
load	N_1700093628	constant_power_A_real	607.589	0.0	303.7945	0.0
load	N_1700093628	constant_power_B_real	607.589	0.0	303.7945	0.0
load	N_1700093628	constant_power_C_real	607.589	0.0	303.7945	0.0
load	N_1700093628	constant_power_A_reac	199.705	0.0	99.8525	0.0
load	N_1700093628	constant_power_B_reac	199.705	0.0	99.8525	0.0
load	N_1700093628	constant_power_C_reac	199.705	0.0	99.8525	0.0
load	N_1700058659	constant_power_A	734.758	455.362	367.379	227.681
load	N_1700058659	constant_power_B	734.758	455.362	367.379	227.681
load	N_1700058659	constant_power_C	734.758	455.362	367.379	227.681
load	N_1700058659	constant_power_A_real	734.758	0.0	367.379	0.0
load	N_1700058659	constant_power_B_real	734.758	0.0	367.379	0.0
load	N_1700058659	constant_power_C_real	734.758	0.0	367.379	0.0
load	N_1700058659	constant_power_A_reac	455.362	0.0	227.681	0.0
load	N_1700058659	constant_power_B_reac	455.362	0.0	227.681	0.0
load	N_1700058659	constant_power_C_reac	455.362	0.0	227.681	0.0
load	N_1700063779	constant_power_A	115.058	37.8177	57.529	18.90885
load	N_1700063779	constant_power_B	115.058	37.8177	57.529	18.90885
load	N_1700063779	constant_power_A_real	115.058	0.0	57.529	0.0
load	N_1700063779	constant_power_B_real	115.058	0.0	57.529	0.0
load	N_1700063779	constant_power_A_reac	37.8177	0.0	18.90885	0.0
load	N_1700063779	constant_power_B_reac	37.8177	0.0	18.90885	0.0
load	N_1700122420	constant_power_A	1105.16	363.25	552.58	181.625
load	N_1700122420	constant_power_B	1105.16	363.25	552.58	181.625
load	N_1700122420	constant_power_A_real	1105.16	0.0	552.58	0.0
load	N_1700122420	constant_power_B_real	1105.16	0.0	552.58	0.0
load	N_1700122420	constant_power_A_reac	363.25	0.0	181.625	0.0
load	N_1700122420	constant_power_B_reac	363.25	0.0	181.625	0.0
load	N_1700008891	constant_power_A	419.862	160.328	209.931	80.164
load	N_1700008891	constant_power_B	419.862	160.328	209.931	80.164
load	N_1700008891	constant_power_C	419.862	160.328	209.931	80.164
load	N_1700008891	constant_power_A_real	419.862	0.0	209.931	0.0
load	N_1700008891	constant_power_B_real	419.862	0.0	209.931	0.0
load	N_1700008891	constant_power_C_real	419.862	0.0	209.931	0.0
load	N_1700008891	constant_power_A_reac	160.328	0.0	80.164	0.0
load	N_1700008891	constant_power_B_reac	160.328	0.0	80.164	0.0
load	N_1700008891	constant_power_C_reac	160.328	0.0	80.164	0.0
load	N_1700022700	constant_power_A	3575.89	1175.34	1787.945	587.67
load	N_1700022700	constant_power_B	3575.89	1175.34	1787.945	587.67
load	N_1700022700	constant_power_A_real	3575.89	0.0	1787.945	0.0
load	N_1700022700	constant_power_B_real	3575.89	0.0	1787.945	0.0
load	N_1700022700	constant_power_A_reac	1175.34	0.0	587.67	0.0
load	N_1700022700	constant_power_B_reac	1175.34	0.0	587.67	0.0
load	N_1700008999	constant_power_A	22.2043	7.29821	11.10215	3.649105
load	N_1700008999	constant_power_B	22.2043	7.29821	11.10215	3.649105
load	N_1700008999	constant_power_C	22.2043	7.29821	11.10215	3.649105
load	N_1700008999	constant_power_A_real	22.2043	0.0	11.10215	0.0
load	N_1700008999	constant_power_B_real	22.2043	0.0	11.10215	0.0
load	N_1700008999	constant_power_C_real	22.2043	0.0	11.10215	0.0
load	N_1700008999	constant_power_A_reac	7.29821	0.0	3.649105	0.0
load	N_1700008999	constant_power_B_reac	7.29821	0.0	3.649105	0.0
load	N_1700008999	constant_power_C_reac	7.29821	0.0	3.649105	0.0
load	N_1700096155	constant_power_A	276.544	90.8955	138.272	45.44775
load	N_1700096155	constant_power_B	276.544	90.8955	138.272	45.44775
load	N_1700096155	constant_power_C	276.544	90.8955	138.272	45.44775
load	N_1700096155	constant_power_A_real	276.544	0.0	138.272	0.0
load	N_1700096155	constant_power_B_real	276.544	0.0	138.272	0.0
load	N_1700096155	constant_power_C_real	276.544	0.0	138.272	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700096155	constant_power_A_reac	90.8955	0.0	45.44775	0.0
load	N_1700096155	constant_power_B_reac	90.8955	0.0	45.44775	0.0
load	N_1700096155	constant_power_C_reac	90.8955	0.0	45.44775	0.0
load	N_1700061004	constant_power_A	559.143	183.781	279.5715	91.8905
load	N_1700061004	constant_power_B	559.143	183.781	279.5715	91.8905
load	N_1700061004	constant_power_C	559.143	183.781	279.5715	91.8905
load	N_1700061004	constant_power_A_real	559.143	0.0	279.5715	0.0
load	N_1700061004	constant_power_B_real	559.143	0.0	279.5715	0.0
load	N_1700061004	constant_power_C_real	559.143	0.0	279.5715	0.0
load	N_1700061004	constant_power_A_reac	183.781	0.0	91.8905	0.0
load	N_1700061004	constant_power_B_reac	183.781	0.0	91.8905	0.0
load	N_1700061004	constant_power_C_reac	183.781	0.0	91.8905	0.0
load	N_1700018418	constant_power_A	10.093	3.31741	5.0465	1.658705
load	N_1700018418	constant_power_B	10.093	3.31741	5.0465	1.658705
load	N_1700018418	constant_power_C	10.093	3.31741	5.0465	1.658705
load	N_1700018418	constant_power_A_real	10.093	0.0	5.0465	0.0
load	N_1700018418	constant_power_B_real	10.093	0.0	5.0465	0.0
load	N_1700018418	constant_power_C_real	10.093	0.0	5.0465	0.0
load	N_1700018418	constant_power_A_reac	3.31741	0.0	1.658705	0.0
load	N_1700018418	constant_power_B_reac	3.31741	0.0	1.658705	0.0
load	N_1700018418	constant_power_C_reac	3.31741	0.0	1.658705	0.0
load	N_1700092749	constant_power_A	339.119	111.463	169.5595	55.7315
load	N_1700092749	constant_power_B	339.119	111.463	169.5595	55.7315
load	N_1700092749	constant_power_C	339.119	111.463	169.5595	55.7315
load	N_1700092749	constant_power_A_real	339.119	0.0	169.5595	0.0
load	N_1700092749	constant_power_B_real	339.119	0.0	169.5595	0.0
load	N_1700092749	constant_power_C_real	339.119	0.0	169.5595	0.0
load	N_1700092749	constant_power_A_reac	111.463	0.0	55.7315	0.0
load	N_1700092749	constant_power_B_reac	111.463	0.0	55.7315	0.0
load	N_1700092749	constant_power_C_reac	111.463	0.0	55.7315	0.0
load	N_1700011176	constant_power_A	11333.3	7023.77	5666.65	3511.885
load	N_1700011176	constant_power_B	11333.3	7023.77	5666.65	3511.885
load	N_1700011176	constant_power_C	11333.3	7023.77	5666.65	3511.885
load	N_1700011176	constant_power_A_real	11333.3	0.0	5666.65	0.0
load	N_1700011176	constant_power_B_real	11333.3	0.0	5666.65	0.0
load	N_1700011176	constant_power_C_real	11333.3	0.0	5666.65	0.0
load	N_1700011176	constant_power_A_reac	7023.77	0.0	3511.885	0.0
load	N_1700011176	constant_power_B_reac	7023.77	0.0	3511.885	0.0
load	N_1700011176	constant_power_C_reac	7023.77	0.0	3511.885	0.0
load	N_1700111799	constant_power_A	444.085	145.964	222.0425	72.982
load	N_1700111799	constant_power_B	444.085	145.964	222.0425	72.982
load	N_1700111799	constant_power_C	444.085	145.964	222.0425	72.982
load	N_1700111799	constant_power_A_real	444.085	0.0	222.0425	0.0
load	N_1700111799	constant_power_B_real	444.085	0.0	222.0425	0.0
load	N_1700111799	constant_power_C_real	444.085	0.0	222.0425	0.0
load	N_1700111799	constant_power_A_reac	145.964	0.0	72.982	0.0
load	N_1700111799	constant_power_B_reac	145.964	0.0	72.982	0.0
load	N_1700111799	constant_power_C_reac	145.964	0.0	72.982	0.0
load	N_1700093442	constant_power_A	1328.22	436.564	664.11	218.282
load	N_1700093442	constant_power_B	1328.22	436.564	664.11	218.282
load	N_1700093442	constant_power_C	1328.22	436.564	664.11	218.282
load	N_1700093442	constant_power_A_real	1328.22	0.0	664.11	0.0
load	N_1700093442	constant_power_B_real	1328.22	0.0	664.11	0.0
load	N_1700093442	constant_power_C_real	1328.22	0.0	664.11	0.0
load	N_1700093442	constant_power_A_reac	436.564	0.0	218.282	0.0
load	N_1700093442	constant_power_B_reac	436.564	0.0	218.282	0.0
load	N_1700093442	constant_power_C_reac	436.564	0.0	218.282	0.0
load	N_1700093445	constant_power_C	2658.45	873.791	1329.225	436.8955
load	N_1700093445	constant_power_C_real	2658.45	0.0	1329.225	0.0
load	N_1700093445	constant_power_C_reac	873.791	0.0	436.8955	0.0
load	N_1700093447	constant_power_C	2064.99	678.731	1032.495	339.3655
load	N_1700093447	constant_power_C_real	2064.99	0.0	1032.495	0.0
load	N_1700093447	constant_power_C_reac	678.731	0.0	339.3655	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093446	constant_power_C	2398.06	788.204	1199.03	394.102
load	N_1700093446	constant_power_C_real	2398.06	0.0	1199.03	0.0
load	N_1700093446	constant_power_C_reac	788.204	0.0	394.102	0.0
load	N_1700093449	constant_power_A	670.164	415.331	335.082	207.6655
load	N_1700093449	constant_power_B	670.164	415.331	335.082	207.6655
load	N_1700093449	constant_power_C	670.164	415.331	335.082	207.6655
load	N_1700093449	constant_power_A_real	670.164	0.0	335.082	0.0
load	N_1700093449	constant_power_B_real	670.164	0.0	335.082	0.0
load	N_1700093449	constant_power_C_real	670.164	0.0	335.082	0.0
load	N_1700093449	constant_power_A_reac	415.331	0.0	207.6655	0.0
load	N_1700093449	constant_power_B_reac	415.331	0.0	207.6655	0.0
load	N_1700093449	constant_power_C_reac	415.331	0.0	207.6655	0.0
load	N_1700111794	constant_power_A	4190.55	1377.37	2095.275	688.685
load	N_1700111794	constant_power_A_real	4190.55	0.0	2095.275	0.0
load	N_1700111794	constant_power_A_reac	1377.37	0.0	688.685	0.0
load	N_1700093848	constant_power_A	1855.06	609.73	927.53	304.865
load	N_1700093848	constant_power_B	1855.06	609.73	927.53	304.865
load	N_1700093848	constant_power_C	1855.06	609.73	927.53	304.865
load	N_1700093848	constant_power_A_real	1855.06	0.0	927.53	0.0
load	N_1700093848	constant_power_B_real	1855.06	0.0	927.53	0.0
load	N_1700093848	constant_power_C_real	1855.06	0.0	927.53	0.0
load	N_1700093848	constant_power_A_reac	609.73	0.0	304.865	0.0
load	N_1700093848	constant_power_B_reac	609.73	0.0	304.865	0.0
load	N_1700093848	constant_power_C_reac	609.73	0.0	304.865	0.0
load	N_1700094509	constant_power_A	57449.9	35604.2	28724.95	17802.1
load	N_1700094509	constant_power_B	57449.9	35604.2	28724.95	17802.1
load	N_1700094509	constant_power_C	57449.9	35604.2	28724.95	17802.1
load	N_1700094509	constant_power_A_real	57449.9	0.0	28724.95	0.0
load	N_1700094509	constant_power_B_real	57449.9	0.0	28724.95	0.0
load	N_1700094509	constant_power_C_real	57449.9	0.0	28724.95	0.0
load	N_1700094509	constant_power_A_reac	35604.2	0.0	17802.1	0.0
load	N_1700094509	constant_power_B_reac	35604.2	0.0	17802.1	0.0
load	N_1700094509	constant_power_C_reac	35604.2	0.0	17802.1	0.0
load	N_1700064636	constant_power_A	486.475	159.896	243.2375	79.948
load	N_1700064636	constant_power_B	486.475	159.896	243.2375	79.948
load	N_1700064636	constant_power_C	486.475	159.896	243.2375	79.948
load	N_1700064636	constant_power_A_real	486.475	0.0	243.2375	0.0
load	N_1700064636	constant_power_B_real	486.475	0.0	243.2375	0.0
load	N_1700064636	constant_power_C_real	486.475	0.0	243.2375	0.0
load	N_1700064636	constant_power_A_reac	159.896	0.0	79.948	0.0
load	N_1700064636	constant_power_B_reac	159.896	0.0	79.948	0.0
load	N_1700064636	constant_power_C_reac	159.896	0.0	79.948	0.0
load	N_1700064637	constant_power_A	4610.41	1515.37	2305.205	757.685
load	N_1700064637	constant_power_B	4610.41	1515.37	2305.205	757.685
load	N_1700064637	constant_power_C	4610.41	1515.37	2305.205	757.685
load	N_1700064637	constant_power_A_real	4610.41	0.0	2305.205	0.0
load	N_1700064637	constant_power_B_real	4610.41	0.0	2305.205	0.0
load	N_1700064637	constant_power_C_real	4610.41	0.0	2305.205	0.0
load	N_1700064637	constant_power_A_reac	1515.37	0.0	757.685	0.0
load	N_1700064637	constant_power_B_reac	1515.37	0.0	757.685	0.0
load	N_1700064637	constant_power_C_reac	1515.37	0.0	757.685	0.0
load	N_1700001429	constant_power_A	12387.8	7677.29	6193.9	3838.645
load	N_1700001429	constant_power_B	12387.8	7677.29	6193.9	3838.645
load	N_1700001429	constant_power_C	12387.8	7677.29	6193.9	3838.645
load	N_1700001429	constant_power_A_real	12387.8	0.0	6193.9	0.0
load	N_1700001429	constant_power_B_real	12387.8	0.0	6193.9	0.0
load	N_1700001429	constant_power_C_real	12387.8	0.0	6193.9	0.0
load	N_1700001429	constant_power_A_reac	7677.29	0.0	3838.645	0.0
load	N_1700001429	constant_power_B_reac	7677.29	0.0	3838.645	0.0
load	N_1700001429	constant_power_C_reac	7677.29	0.0	3838.645	0.0
load	N_1700064632	constant_power_A	569.236	187.099	284.618	93.5495
load	N_1700064632	constant_power_B	569.236	187.099	284.618	93.5495
load	N_1700064632	constant_power_A_real	569.236	0.0	284.618	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700064632	constant_power_B_real	569.236	0.0	284.618	0.0
load	N_1700064632	constant_power_A_reac	187.099	0.0	93.5495	0.0
load	N_1700064632	constant_power_B_reac	187.099	0.0	93.5495	0.0
load	N_1700064633	constant_power_A	2395.03	787.208	1197.515	393.604
load	N_1700064633	constant_power_B	2395.03	787.208	1197.515	393.604
load	N_1700064633	constant_power_A_real	2395.03	0.0	1197.515	0.0
load	N_1700064633	constant_power_B_real	2395.03	0.0	1197.515	0.0
load	N_1700064633	constant_power_A_reac	787.208	0.0	393.604	0.0
load	N_1700064633	constant_power_B_reac	787.208	0.0	393.604	0.0
load	N_1700094500	constant_power_A	45000.0	27888.5	22500.0	13944.25
load	N_1700094500	constant_power_B	45000.0	27888.5	22500.0	13944.25
load	N_1700094500	constant_power_C	45000.0	27888.5	22500.0	13944.25
load	N_1700094500	constant_power_A_real	45000.0	0.0	22500.0	0.0
load	N_1700094500	constant_power_B_real	45000.0	0.0	22500.0	0.0
load	N_1700094500	constant_power_C_real	45000.0	0.0	22500.0	0.0
load	N_1700094500	constant_power_A_reac	27888.5	0.0	13944.25	0.0
load	N_1700094500	constant_power_B_reac	27888.5	0.0	13944.25	0.0
load	N_1700094500	constant_power_C_reac	27888.5	0.0	13944.25	0.0
load	N_1700001426	constant_power_A	2274.93	1409.87	1137.465	704.935
load	N_1700001426	constant_power_B	2274.93	1409.87	1137.465	704.935
load	N_1700001426	constant_power_C	2274.93	1409.87	1137.465	704.935
load	N_1700001426	constant_power_A_real	2274.93	0.0	1137.465	0.0
load	N_1700001426	constant_power_B_real	2274.93	0.0	1137.465	0.0
load	N_1700001426	constant_power_C_real	2274.93	0.0	1137.465	0.0
load	N_1700001426	constant_power_A_reac	1409.87	0.0	704.935	0.0
load	N_1700001426	constant_power_B_reac	1409.87	0.0	704.935	0.0
load	N_1700001426	constant_power_C_reac	1409.87	0.0	704.935	0.0
load	N_1700001427	constant_power_A	94.8727	58.7968	47.43635	29.3984
load	N_1700001427	constant_power_B	94.8727	58.7968	47.43635	29.3984
load	N_1700001427	constant_power_C	94.8727	58.7968	47.43635	29.3984
load	N_1700001427	constant_power_A_real	94.8727	0.0	47.43635	0.0
load	N_1700001427	constant_power_B_real	94.8727	0.0	47.43635	0.0
load	N_1700001427	constant_power_C_real	94.8727	0.0	47.43635	0.0
load	N_1700001427	constant_power_A_reac	58.7968	0.0	29.3984	0.0
load	N_1700001427	constant_power_B_reac	58.7968	0.0	29.3984	0.0
load	N_1700001427	constant_power_C_reac	58.7968	0.0	29.3984	0.0
load	N_1700064638	constant_power_A	383.528	157.786	191.764	78.893
load	N_1700064638	constant_power_B	383.528	157.786	191.764	78.893
load	N_1700064638	constant_power_C	383.528	157.786	191.764	78.893
load	N_1700064638	constant_power_A_real	383.528	0.0	191.764	0.0
load	N_1700064638	constant_power_B_real	383.528	0.0	191.764	0.0
load	N_1700064638	constant_power_C_real	383.528	0.0	191.764	0.0
load	N_1700064638	constant_power_A_reac	157.786	0.0	78.893	0.0
load	N_1700064638	constant_power_B_reac	157.786	0.0	78.893	0.0
load	N_1700064638	constant_power_C_reac	157.786	0.0	78.893	0.0
load	N_1700064639	constant_power_A	1435.2	471.728	717.6	235.864
load	N_1700064639	constant_power_B	1435.2	471.728	717.6	235.864
load	N_1700064639	constant_power_C	1435.2	471.728	717.6	235.864
load	N_1700064639	constant_power_A_real	1435.2	0.0	717.6	0.0
load	N_1700064639	constant_power_B_real	1435.2	0.0	717.6	0.0
load	N_1700064639	constant_power_C_real	1435.2	0.0	717.6	0.0
load	N_1700064639	constant_power_A_reac	471.728	0.0	235.864	0.0
load	N_1700064639	constant_power_B_reac	471.728	0.0	235.864	0.0
load	N_1700064639	constant_power_C_reac	471.728	0.0	235.864	0.0
load	N_1700018386	constant_power_A	14149.1	8768.85	7074.55	4384.425
load	N_1700018386	constant_power_B	14149.1	8768.85	7074.55	4384.425
load	N_1700018386	constant_power_A_real	14149.1	0.0	7074.55	0.0
load	N_1700018386	constant_power_B_real	14149.1	0.0	7074.55	0.0
load	N_1700018386	constant_power_A_reac	8768.85	0.0	4384.425	0.0
load	N_1700018386	constant_power_B_reac	8768.85	0.0	4384.425	0.0
load	N_1700018384	constant_power_A	837.705	275.34	418.8525	137.67
load	N_1700018384	constant_power_B	837.705	275.34	418.8525	137.67
load	N_1700018384	constant_power_C	837.705	275.34	418.8525	137.67

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700018384	constant_power_A_real	837.705	0.0	418.8525	0.0
load	N_1700018384	constant_power_B_real	837.705	0.0	418.8525	0.0
load	N_1700018384	constant_power_C_real	837.705	0.0	418.8525	0.0
load	N_1700018384	constant_power_A_reac	275.34	0.0	137.67	0.0
load	N_1700018384	constant_power_B_reac	275.34	0.0	137.67	0.0
load	N_1700018384	constant_power_C_reac	275.34	0.0	137.67	0.0
load	N_1700093080	constant_power_A	22.2043	7.29821	11.10215	3.649105
load	N_1700093080	constant_power_B	22.2043	7.29821	11.10215	3.649105
load	N_1700093080	constant_power_C	22.2043	7.29821	11.10215	3.649105
load	N_1700093080	constant_power_A_real	22.2043	0.0	11.10215	0.0
load	N_1700093080	constant_power_B_real	22.2043	0.0	11.10215	0.0
load	N_1700093080	constant_power_C_real	22.2043	0.0	11.10215	0.0
load	N_1700093080	constant_power_A_reac	7.29821	0.0	3.649105	0.0
load	N_1700093080	constant_power_B_reac	7.29821	0.0	3.649105	0.0
load	N_1700093080	constant_power_C_reac	7.29821	0.0	3.649105	0.0
load	N_1700093083	constant_power_A	1147.56	377.183	573.78	188.5915
load	N_1700093083	constant_power_B	1147.56	377.183	573.78	188.5915
load	N_1700093083	constant_power_A_real	1147.56	0.0	573.78	0.0
load	N_1700093083	constant_power_B_real	1147.56	0.0	573.78	0.0
load	N_1700093083	constant_power_A_reac	377.183	0.0	188.5915	0.0
load	N_1700093083	constant_power_B_reac	377.183	0.0	188.5915	0.0
load	N_1700091750	constant_power_A	1165.72	383.154	582.86	191.577
load	N_1700091750	constant_power_B	1165.72	383.154	582.86	191.577
load	N_1700091750	constant_power_A_real	1165.72	0.0	582.86	0.0
load	N_1700091750	constant_power_B_real	1165.72	0.0	582.86	0.0
load	N_1700091750	constant_power_A_reac	383.154	0.0	191.577	0.0
load	N_1700091750	constant_power_B_reac	383.154	0.0	191.577	0.0
load	N_1700093085	constant_power_A	1477.59	736.534	738.795	368.267
load	N_1700093085	constant_power_B	1477.59	736.534	738.795	368.267
load	N_1700093085	constant_power_C	1477.59	736.534	738.795	368.267
load	N_1700093085	constant_power_A_real	1477.59	0.0	738.795	0.0
load	N_1700093085	constant_power_B_real	1477.59	0.0	738.795	0.0
load	N_1700093085	constant_power_C_real	1477.59	0.0	738.795	0.0
load	N_1700093085	constant_power_A_reac	736.534	0.0	368.267	0.0
load	N_1700093085	constant_power_B_reac	736.534	0.0	368.267	0.0
load	N_1700093085	constant_power_C_reac	736.534	0.0	368.267	0.0
load	N_1700093087	constant_power_A	1750.1	575.229	875.05	287.6145
load	N_1700093087	constant_power_B	1750.1	575.229	875.05	287.6145
load	N_1700093087	constant_power_A_real	1750.1	0.0	875.05	0.0
load	N_1700093087	constant_power_B_real	1750.1	0.0	875.05	0.0
load	N_1700093087	constant_power_A_reac	575.229	0.0	287.6145	0.0
load	N_1700093087	constant_power_B_reac	575.229	0.0	287.6145	0.0
load	N_1700093090	constant_power_A	1820.75	1128.4	910.375	564.2
load	N_1700093090	constant_power_B	1820.75	1128.4	910.375	564.2
load	N_1700093090	constant_power_C	1820.75	1128.4	910.375	564.2
load	N_1700093090	constant_power_A_real	1820.75	0.0	910.375	0.0
load	N_1700093090	constant_power_B_real	1820.75	0.0	910.375	0.0
load	N_1700093090	constant_power_C_real	1820.75	0.0	910.375	0.0
load	N_1700093090	constant_power_A_reac	1128.4	0.0	564.2	0.0
load	N_1700093090	constant_power_B_reac	1128.4	0.0	564.2	0.0
load	N_1700093090	constant_power_C_reac	1128.4	0.0	564.2	0.0
load	N_1700093089	constant_power_A	2301.17	756.357	1150.585	378.1785
load	N_1700093089	constant_power_B	2301.17	756.357	1150.585	378.1785
load	N_1700093089	constant_power_A_real	2301.17	0.0	1150.585	0.0
load	N_1700093089	constant_power_B_real	2301.17	0.0	1150.585	0.0
load	N_1700093089	constant_power_A_reac	756.357	0.0	378.1785	0.0
load	N_1700093089	constant_power_B_reac	756.357	0.0	378.1785	0.0
load	N_1700010758	constant_power_A	127.17	41.7988	63.585	20.8994
load	N_1700010758	constant_power_B	127.17	41.7988	63.585	20.8994
load	N_1700010758	constant_power_A_real	127.17	0.0	63.585	0.0
load	N_1700010758	constant_power_B_real	127.17	0.0	63.585	0.0
load	N_1700010758	constant_power_A_reac	41.7988	0.0	20.8994	0.0
load	N_1700010758	constant_power_B_reac	41.7988	0.0	20.8994	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093840	constant_power_A	1056.72	347.327	528.36	173.6635
load	N_1700093840	constant_power_B	1056.72	347.327	528.36	173.6635
load	N_1700093840	constant_power_A_real	1056.72	0.0	528.36	0.0
load	N_1700093840	constant_power_B_real	1056.72	0.0	528.36	0.0
load	N_1700093840	constant_power_A_reac	347.327	0.0	173.6635	0.0
load	N_1700093840	constant_power_B_reac	347.327	0.0	173.6635	0.0
load	N_1700093539	constant_power_A	399.676	131.367	199.838	65.6835
load	N_1700093539	constant_power_B	399.676	131.367	199.838	65.6835
load	N_1700093539	constant_power_C	399.676	131.367	199.838	65.6835
load	N_1700093539	constant_power_A_real	399.676	0.0	199.838	0.0
load	N_1700093539	constant_power_B_real	399.676	0.0	199.838	0.0
load	N_1700093539	constant_power_C_real	399.676	0.0	199.838	0.0
load	N_1700093539	constant_power_A_reac	131.367	0.0	65.6835	0.0
load	N_1700093539	constant_power_B_reac	131.367	0.0	65.6835	0.0
load	N_1700093539	constant_power_C_reac	131.367	0.0	65.6835	0.0
load	N_1700093538	constant_power_A	1558.33	965.768	779.165	482.884
load	N_1700093538	constant_power_B	1558.33	965.768	779.165	482.884
load	N_1700093538	constant_power_C	1558.33	965.768	779.165	482.884
load	N_1700093538	constant_power_A_real	1558.33	0.0	779.165	0.0
load	N_1700093538	constant_power_B_real	1558.33	0.0	779.165	0.0
load	N_1700093538	constant_power_C_real	1558.33	0.0	779.165	0.0
load	N_1700093538	constant_power_A_reac	965.768	0.0	482.884	0.0
load	N_1700093538	constant_power_B_reac	965.768	0.0	482.884	0.0
load	N_1700093538	constant_power_C_reac	965.768	0.0	482.884	0.0
load	N_1700011104	constant_power_A	54.5013	17.9137	27.25065	8.95685
load	N_1700011104	constant_power_B	54.5013	17.9137	27.25065	8.95685
load	N_1700011104	constant_power_C	54.5013	17.9137	27.25065	8.95685
load	N_1700011104	constant_power_A_real	54.5013	0.0	27.25065	0.0
load	N_1700011104	constant_power_B_real	54.5013	0.0	27.25065	0.0
load	N_1700011104	constant_power_C_real	54.5013	0.0	27.25065	0.0
load	N_1700011104	constant_power_A_reac	17.9137	0.0	8.95685	0.0
load	N_1700011104	constant_power_B_reac	17.9137	0.0	8.95685	0.0
load	N_1700011104	constant_power_C_reac	17.9137	0.0	8.95685	0.0
load	N_1700093537	constant_power_A	8296.31	5141.59	4148.155	2570.795
load	N_1700093537	constant_power_B	8296.31	5141.59	4148.155	2570.795
load	N_1700093537	constant_power_C	8296.31	5141.59	4148.155	2570.795
load	N_1700093537	constant_power_A_real	8296.31	0.0	4148.155	0.0
load	N_1700093537	constant_power_B_real	8296.31	0.0	4148.155	0.0
load	N_1700093537	constant_power_C_real	8296.31	0.0	4148.155	0.0
load	N_1700093537	constant_power_A_reac	5141.59	0.0	2570.795	0.0
load	N_1700093537	constant_power_B_reac	5141.59	0.0	2570.795	0.0
load	N_1700093537	constant_power_C_reac	5141.59	0.0	2570.795	0.0
load	N_1700093530	constant_power_A	1374.64	451.824	687.32	225.912
load	N_1700093530	constant_power_A_real	1374.64	0.0	687.32	0.0
load	N_1700093530	constant_power_A_reac	451.824	0.0	225.912	0.0
load	N_1700093533	constant_power_A	944.689	310.504	472.3445	155.252
load	N_1700093533	constant_power_B	944.689	310.504	472.3445	155.252
load	N_1700093533	constant_power_C	944.689	310.504	472.3445	155.252
load	N_1700093533	constant_power_A_real	944.689	0.0	472.3445	0.0
load	N_1700093533	constant_power_B_real	944.689	0.0	472.3445	0.0
load	N_1700093533	constant_power_C_real	944.689	0.0	472.3445	0.0
load	N_1700093533	constant_power_A_reac	310.504	0.0	155.252	0.0
load	N_1700093533	constant_power_B_reac	310.504	0.0	155.252	0.0
load	N_1700093533	constant_power_C_reac	310.504	0.0	155.252	0.0
load	N_1700093532	constant_power_A	1267.66	416.66	633.83	208.33
load	N_1700093532	constant_power_B	1267.66	416.66	633.83	208.33
load	N_1700093532	constant_power_C	1267.66	416.66	633.83	208.33
load	N_1700093532	constant_power_A_real	1267.66	0.0	633.83	0.0
load	N_1700093532	constant_power_B_real	1267.66	0.0	633.83	0.0
load	N_1700093532	constant_power_C_real	1267.66	0.0	633.83	0.0
load	N_1700093532	constant_power_A_reac	416.66	0.0	208.33	0.0
load	N_1700093532	constant_power_B_reac	416.66	0.0	208.33	0.0
load	N_1700093532	constant_power_C_reac	416.66	0.0	208.33	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700096154	constant_power_A	575.292	189.089	287.646	94.5445
load	N_1700096154	constant_power_B	575.292	189.089	287.646	94.5445
load	N_1700096154	constant_power_C	575.292	189.089	287.646	94.5445
load	N_1700096154	constant_power_A_real	575.292	0.0	287.646	0.0
load	N_1700096154	constant_power_B_real	575.292	0.0	287.646	0.0
load	N_1700096154	constant_power_C_real	575.292	0.0	287.646	0.0
load	N_1700096154	constant_power_A_reac	189.089	0.0	94.5445	0.0
load	N_1700096154	constant_power_B_reac	189.089	0.0	94.5445	0.0
load	N_1700096154	constant_power_C_reac	189.089	0.0	94.5445	0.0
load	N_1700093436	constant_power_A	436.01	143.31	218.005	71.655
load	N_1700093436	constant_power_B	436.01	143.31	218.005	71.655
load	N_1700093436	constant_power_C	436.01	143.31	218.005	71.655
load	N_1700093436	constant_power_A_real	436.01	0.0	218.005	0.0
load	N_1700093436	constant_power_B_real	436.01	0.0	218.005	0.0
load	N_1700093436	constant_power_C_real	436.01	0.0	218.005	0.0
load	N_1700093436	constant_power_A_reac	143.31	0.0	71.655	0.0
load	N_1700093436	constant_power_B_reac	143.31	0.0	71.655	0.0
load	N_1700093436	constant_power_C_reac	143.31	0.0	71.655	0.0
load	N_1700096166	constant_power_A	1039.56	341.688	519.78	170.844
load	N_1700096166	constant_power_B	1039.56	341.688	519.78	170.844
load	N_1700096166	constant_power_C	1039.56	341.688	519.78	170.844
load	N_1700096166	constant_power_A_real	1039.56	0.0	519.78	0.0
load	N_1700096166	constant_power_B_real	1039.56	0.0	519.78	0.0
load	N_1700096166	constant_power_C_real	1039.56	0.0	519.78	0.0
load	N_1700096166	constant_power_A_reac	341.688	0.0	170.844	0.0
load	N_1700096166	constant_power_B_reac	341.688	0.0	170.844	0.0
load	N_1700096166	constant_power_C_reac	341.688	0.0	170.844	0.0
load	N_1700096150	constant_power_A	2210.33	726.501	1105.165	363.2505
load	N_1700096150	constant_power_B	2210.33	726.501	1105.165	363.2505
load	N_1700096150	constant_power_C	2210.33	726.501	1105.165	363.2505
load	N_1700096150	constant_power_A_real	2210.33	0.0	1105.165	0.0
load	N_1700096150	constant_power_B_real	2210.33	0.0	1105.165	0.0
load	N_1700096150	constant_power_C_real	2210.33	0.0	1105.165	0.0
load	N_1700096150	constant_power_A_reac	726.501	0.0	363.2505	0.0
load	N_1700096150	constant_power_B_reac	726.501	0.0	363.2505	0.0
load	N_1700096150	constant_power_C_reac	726.501	0.0	363.2505	0.0
load	N_1700018635	constant_power_A	141.3	87.5697	70.65	43.78485
load	N_1700018635	constant_power_B	141.3	87.5697	70.65	43.78485
load	N_1700018635	constant_power_C	141.3	87.5697	70.65	43.78485
load	N_1700018635	constant_power_A_real	141.3	0.0	70.65	0.0
load	N_1700018635	constant_power_B_real	141.3	0.0	70.65	0.0
load	N_1700018635	constant_power_C_real	141.3	0.0	70.65	0.0
load	N_1700018635	constant_power_A_reac	87.5697	0.0	43.78485	0.0
load	N_1700018635	constant_power_B_reac	87.5697	0.0	43.78485	0.0
load	N_1700018635	constant_power_C_reac	87.5697	0.0	43.78485	0.0
load	N_1700096153	constant_power_A	3805.0	1250.64	1902.5	625.32
load	N_1700096153	constant_power_B	3805.0	1250.64	1902.5	625.32
load	N_1700096153	constant_power_C	3805.0	1250.64	1902.5	625.32
load	N_1700096153	constant_power_A_real	3805.0	0.0	1902.5	0.0
load	N_1700096153	constant_power_B_real	3805.0	0.0	1902.5	0.0
load	N_1700096153	constant_power_C_real	3805.0	0.0	1902.5	0.0
load	N_1700096153	constant_power_A_reac	1250.64	0.0	625.32	0.0
load	N_1700096153	constant_power_B_reac	1250.64	0.0	625.32	0.0
load	N_1700096153	constant_power_C_reac	1250.64	0.0	625.32	0.0
load	N_1700065923	constant_power_A	4033.1	1325.61	2016.55	662.805
load	N_1700065923	constant_power_A_real	4033.1	0.0	2016.55	0.0
load	N_1700065923	constant_power_A_reac	1325.61	0.0	662.805	0.0
load	N_1700065922	constant_power_A	2174.0	714.558	1087.0	357.279
load	N_1700065922	constant_power_A_real	2174.0	0.0	1087.0	0.0
load	N_1700065922	constant_power_A_reac	714.558	0.0	357.279	0.0
load	N_1700065921	constant_power_A	2234.55	734.462	1117.275	367.231
load	N_1700065921	constant_power_A_real	2234.55	0.0	1117.275	0.0
load	N_1700065921	constant_power_A_reac	734.462	0.0	367.231	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093846	constant_power_A	954.782	352.011	477.391	176.0055
load	N_1700093846	constant_power_B	954.782	352.011	477.391	176.0055
load	N_1700093846	constant_power_C	954.782	352.011	477.391	176.0055
load	N_1700093846	constant_power_A_real	954.782	0.0	477.391	0.0
load	N_1700093846	constant_power_B_real	954.782	0.0	477.391	0.0
load	N_1700093846	constant_power_C_real	954.782	0.0	477.391	0.0
load	N_1700093846	constant_power_A_reac	352.011	0.0	176.0055	0.0
load	N_1700093846	constant_power_B_reac	352.011	0.0	176.0055	0.0
load	N_1700093846	constant_power_C_reac	352.011	0.0	176.0055	0.0
load	N_1700096158	constant_power_A	278.562	91.559	139.281	45.7795
load	N_1700096158	constant_power_B	278.562	91.559	139.281	45.7795
load	N_1700096158	constant_power_C	278.562	91.559	139.281	45.7795
load	N_1700096158	constant_power_A_real	278.562	0.0	139.281	0.0
load	N_1700096158	constant_power_B_real	278.562	0.0	139.281	0.0
load	N_1700096158	constant_power_C_real	278.562	0.0	139.281	0.0
load	N_1700096158	constant_power_A_reac	91.559	0.0	45.7795	0.0
load	N_1700096158	constant_power_B_reac	91.559	0.0	45.7795	0.0
load	N_1700096158	constant_power_C_reac	91.559	0.0	45.7795	0.0
load	N_1700096159	constant_power_A	702.461	259.677	351.2305	129.8385
load	N_1700096159	constant_power_B	702.461	259.677	351.2305	129.8385
load	N_1700096159	constant_power_C	702.461	259.677	351.2305	129.8385
load	N_1700096159	constant_power_A_real	702.461	0.0	351.2305	0.0
load	N_1700096159	constant_power_B_real	702.461	0.0	351.2305	0.0
load	N_1700096159	constant_power_C_real	702.461	0.0	351.2305	0.0
load	N_1700096159	constant_power_A_reac	259.677	0.0	129.8385	0.0
load	N_1700096159	constant_power_B_reac	259.677	0.0	129.8385	0.0
load	N_1700096159	constant_power_C_reac	259.677	0.0	129.8385	0.0
load	N_1700093928	constant_power_A	375.453	128.693	187.7265	64.3465
load	N_1700093928	constant_power_B	375.453	128.693	187.7265	64.3465
load	N_1700093928	constant_power_A_real	375.453	0.0	187.7265	0.0
load	N_1700093928	constant_power_B_real	375.453	0.0	187.7265	0.0
load	N_1700093928	constant_power_A_reac	128.693	0.0	64.3465	0.0
load	N_1700093928	constant_power_B_reac	128.693	0.0	64.3465	0.0
load	N_1700120593	constant_power_A	222.042	72.9818	111.021	36.4909
load	N_1700120593	constant_power_B	222.042	72.9818	111.021	36.4909
load	N_1700120593	constant_power_C	222.042	72.9818	111.021	36.4909
load	N_1700120593	constant_power_A_real	222.042	0.0	111.021	0.0
load	N_1700120593	constant_power_B_real	222.042	0.0	111.021	0.0
load	N_1700120593	constant_power_C_real	222.042	0.0	111.021	0.0
load	N_1700120593	constant_power_A_reac	72.9818	0.0	36.4909	0.0
load	N_1700120593	constant_power_B_reac	72.9818	0.0	36.4909	0.0
load	N_1700120593	constant_power_C_reac	72.9818	0.0	36.4909	0.0
load	N_1700049558	constant_power_A	500000.0	227807.0	250000.0	113903.5
load	N_1700049558	constant_power_B	500000.0	227807.0	250000.0	113903.5
load	N_1700049558	constant_power_C	500000.0	227807.0	250000.0	113903.5
load	N_1700049558	constant_power_A_real	500000.0	0.0	250000.0	0.0
load	N_1700049558	constant_power_B_real	500000.0	0.0	250000.0	0.0
load	N_1700049558	constant_power_C_real	500000.0	0.0	250000.0	0.0
load	N_1700049558	constant_power_A_reac	227807.0	0.0	113903.5	0.0
load	N_1700049558	constant_power_B_reac	227807.0	0.0	113903.5	0.0
load	N_1700049558	constant_power_C_reac	227807.0	0.0	113903.5	0.0
load	N_1700094578	constant_power_A	3373.03	2090.41	1686.515	1045.205
load	N_1700094578	constant_power_B	3373.03	2090.41	1686.515	1045.205
load	N_1700094578	constant_power_C	3373.03	2090.41	1686.515	1045.205
load	N_1700094578	constant_power_A_real	3373.03	0.0	1686.515	0.0
load	N_1700094578	constant_power_B_real	3373.03	0.0	1686.515	0.0
load	N_1700094578	constant_power_C_real	3373.03	0.0	1686.515	0.0
load	N_1700094578	constant_power_A_reac	2090.41	0.0	1045.205	0.0
load	N_1700094578	constant_power_B_reac	2090.41	0.0	1045.205	0.0
load	N_1700094578	constant_power_C_reac	2090.41	0.0	1045.205	0.0
load	N_1700093528	constant_power_A	6334.26	2081.97	3167.13	1040.985
load	N_1700093528	constant_power_A_real	6334.26	0.0	3167.13	0.0
load	N_1700093528	constant_power_A_reac	2081.97	0.0	1040.985	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093103	constant_power_A	104.965	65.0517	52.4825	32.52585
load	N_1700093103	constant_power_B	104.965	65.0517	52.4825	32.52585
load	N_1700093103	constant_power_C	104.965	65.0517	52.4825	32.52585
load	N_1700093103	constant_power_A_real	104.965	0.0	52.4825	0.0
load	N_1700093103	constant_power_B_real	104.965	0.0	52.4825	0.0
load	N_1700093103	constant_power_C_real	104.965	0.0	52.4825	0.0
load	N_1700093103	constant_power_A_reac	65.0517	0.0	32.52585	0.0
load	N_1700093103	constant_power_B_reac	65.0517	0.0	32.52585	0.0
load	N_1700093103	constant_power_C_reac	65.0517	0.0	32.52585	0.0
load	N_1700049556	constant_power_A	403333.0	249964.0	201666.5	124982.0
load	N_1700049556	constant_power_B	403333.0	249964.0	201666.5	124982.0
load	N_1700049556	constant_power_C	403333.0	249964.0	201666.5	124982.0
load	N_1700049556	constant_power_A_real	403333.0	0.0	201666.5	0.0
load	N_1700049556	constant_power_B_real	403333.0	0.0	201666.5	0.0
load	N_1700049556	constant_power_C_real	403333.0	0.0	201666.5	0.0
load	N_1700049556	constant_power_A_reac	249964.0	0.0	124982.0	0.0
load	N_1700049556	constant_power_B_reac	249964.0	0.0	124982.0	0.0
load	N_1700049556	constant_power_C_reac	249964.0	0.0	124982.0	0.0
load	N_1700094573	constant_power_A	593.459	367.793	296.7295	183.8965
load	N_1700094573	constant_power_B	593.459	367.793	296.7295	183.8965
load	N_1700094573	constant_power_C	593.459	367.793	296.7295	183.8965
load	N_1700094573	constant_power_A_real	593.459	0.0	296.7295	0.0
load	N_1700094573	constant_power_B_real	593.459	0.0	296.7295	0.0
load	N_1700094573	constant_power_C_real	593.459	0.0	296.7295	0.0
load	N_1700094573	constant_power_A_reac	367.793	0.0	183.8965	0.0
load	N_1700094573	constant_power_B_reac	367.793	0.0	183.8965	0.0
load	N_1700094573	constant_power_C_reac	367.793	0.0	183.8965	0.0
load	N_1700268138	constant_power_A	1202.06	395.097	601.03	197.5485
load	N_1700268138	constant_power_B	1202.06	395.097	601.03	197.5485
load	N_1700268138	constant_power_A_real	1202.06	0.0	601.03	0.0
load	N_1700268138	constant_power_B_real	1202.06	0.0	601.03	0.0
load	N_1700268138	constant_power_A_reac	395.097	0.0	197.5485	0.0
load	N_1700268138	constant_power_B_reac	395.097	0.0	197.5485	0.0
load	N_1700076143	constant_power_A	769.074	252.782	384.537	126.391
load	N_1700076143	constant_power_B	769.074	252.782	384.537	126.391
load	N_1700076143	constant_power_A_real	769.074	0.0	384.537	0.0
load	N_1700076143	constant_power_B_real	769.074	0.0	384.537	0.0
load	N_1700076143	constant_power_A_reac	252.782	0.0	126.391	0.0
load	N_1700076143	constant_power_B_reac	252.782	0.0	126.391	0.0
load	N_1700076142	constant_power_A	208.922	129.478	104.461	64.739
load	N_1700076142	constant_power_B	208.922	129.478	104.461	64.739
load	N_1700076142	constant_power_A_real	208.922	0.0	104.461	0.0
load	N_1700076142	constant_power_B_real	208.922	0.0	104.461	0.0
load	N_1700076142	constant_power_A_reac	129.478	0.0	64.739	0.0
load	N_1700076142	constant_power_B_reac	129.478	0.0	64.739	0.0
load	N_1700096149	constant_power_A	373.435	122.742	186.7175	61.371
load	N_1700096149	constant_power_B	373.435	122.742	186.7175	61.371
load	N_1700096149	constant_power_C	373.435	122.742	186.7175	61.371
load	N_1700096149	constant_power_A_real	373.435	0.0	186.7175	0.0
load	N_1700096149	constant_power_B_real	373.435	0.0	186.7175	0.0
load	N_1700096149	constant_power_C_real	373.435	0.0	186.7175	0.0
load	N_1700096149	constant_power_A_reac	122.742	0.0	61.371	0.0
load	N_1700096149	constant_power_B_reac	122.742	0.0	61.371	0.0
load	N_1700096149	constant_power_C_reac	122.742	0.0	61.371	0.0
load	N_1700045663	constant_power_A	71333.3	44208.4	35666.65	22104.2
load	N_1700045663	constant_power_B	71333.3	44208.4	35666.65	22104.2
load	N_1700045663	constant_power_C	71333.3	44208.4	35666.65	22104.2
load	N_1700045663	constant_power_A_real	71333.3	0.0	35666.65	0.0
load	N_1700045663	constant_power_B_real	71333.3	0.0	35666.65	0.0
load	N_1700045663	constant_power_C_real	71333.3	0.0	35666.65	0.0
load	N_1700045663	constant_power_A_reac	44208.4	0.0	22104.2	0.0
load	N_1700045663	constant_power_B_reac	44208.4	0.0	22104.2	0.0
load	N_1700045663	constant_power_C_reac	44208.4	0.0	22104.2	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092799	constant_power_A	1273.72	418.65	636.86	209.325
load	N_1700092799	constant_power_B	1273.72	418.65	636.86	209.325
load	N_1700092799	constant_power_C	1273.72	418.65	636.86	209.325
load	N_1700092799	constant_power_A_real	1273.72	0.0	636.86	0.0
load	N_1700092799	constant_power_B_real	1273.72	0.0	636.86	0.0
load	N_1700092799	constant_power_C_real	1273.72	0.0	636.86	0.0
load	N_1700092799	constant_power_A_reac	418.65	0.0	209.325	0.0
load	N_1700092799	constant_power_B_reac	418.65	0.0	209.325	0.0
load	N_1700092799	constant_power_C_reac	418.65	0.0	209.325	0.0
load	N_1700045664	constant_power_A	1851.03	1147.16	925.515	573.58
load	N_1700045664	constant_power_B	1851.03	1147.16	925.515	573.58
load	N_1700045664	constant_power_C	1851.03	1147.16	925.515	573.58
load	N_1700045664	constant_power_A_real	1851.03	0.0	925.515	0.0
load	N_1700045664	constant_power_B_real	1851.03	0.0	925.515	0.0
load	N_1700045664	constant_power_C_real	1851.03	0.0	925.515	0.0
load	N_1700045664	constant_power_A_reac	1147.16	0.0	573.58	0.0
load	N_1700045664	constant_power_B_reac	1147.16	0.0	573.58	0.0
load	N_1700045664	constant_power_C_reac	1147.16	0.0	573.58	0.0
load	N_1700094577	constant_power_A	676.22	419.084	338.11	209.542
load	N_1700094577	constant_power_B	676.22	419.084	338.11	209.542
load	N_1700094577	constant_power_C	676.22	419.084	338.11	209.542
load	N_1700094577	constant_power_A_real	676.22	0.0	338.11	0.0
load	N_1700094577	constant_power_B_real	676.22	0.0	338.11	0.0
load	N_1700094577	constant_power_C_real	676.22	0.0	338.11	0.0
load	N_1700094577	constant_power_A_reac	419.084	0.0	209.542	0.0
load	N_1700094577	constant_power_B_reac	419.084	0.0	209.542	0.0
load	N_1700094577	constant_power_C_reac	419.084	0.0	209.542	0.0
load	N_1700056288	constant_power_A	59000.0	36564.9	29500.0	18282.45
load	N_1700056288	constant_power_B	59000.0	36564.9	29500.0	18282.45
load	N_1700056288	constant_power_C	59000.0	36564.9	29500.0	18282.45
load	N_1700056288	constant_power_A_real	59000.0	0.0	29500.0	0.0
load	N_1700056288	constant_power_B_real	59000.0	0.0	29500.0	0.0
load	N_1700056288	constant_power_C_real	59000.0	0.0	29500.0	0.0
load	N_1700056288	constant_power_A_reac	36564.9	0.0	18282.45	0.0
load	N_1700056288	constant_power_B_reac	36564.9	0.0	18282.45	0.0
load	N_1700056288	constant_power_C_reac	36564.9	0.0	18282.45	0.0
load	N_1700045391	constant_power_A	176667.0	109488.0	88333.5	54744.0
load	N_1700045391	constant_power_B	176667.0	109488.0	88333.5	54744.0
load	N_1700045391	constant_power_C	176667.0	109488.0	88333.5	54744.0
load	N_1700045391	constant_power_A_real	176667.0	0.0	88333.5	0.0
load	N_1700045391	constant_power_B_real	176667.0	0.0	88333.5	0.0
load	N_1700045391	constant_power_C_real	176667.0	0.0	88333.5	0.0
load	N_1700045391	constant_power_A_reac	109488.0	0.0	54744.0	0.0
load	N_1700045391	constant_power_B_reac	109488.0	0.0	54744.0	0.0
load	N_1700045391	constant_power_C_reac	109488.0	0.0	54744.0	0.0
load	N_1700065855	constant_power_A	409.769	134.685	204.8845	67.3425
load	N_1700065855	constant_power_B	409.769	134.685	204.8845	67.3425
load	N_1700065855	constant_power_C	409.769	134.685	204.8845	67.3425
load	N_1700065855	constant_power_A_real	409.769	0.0	204.8845	0.0
load	N_1700065855	constant_power_B_real	409.769	0.0	204.8845	0.0
load	N_1700065855	constant_power_C_real	409.769	0.0	204.8845	0.0
load	N_1700065855	constant_power_A_reac	134.685	0.0	67.3425	0.0
load	N_1700065855	constant_power_B_reac	134.685	0.0	67.3425	0.0
load	N_1700065855	constant_power_C_reac	134.685	0.0	67.3425	0.0
load	N_1700096148	constant_power_A	50.4643	16.5868	25.23215	8.2934
load	N_1700096148	constant_power_B	50.4643	16.5868	25.23215	8.2934
load	N_1700096148	constant_power_C	50.4643	16.5868	25.23215	8.2934
load	N_1700096148	constant_power_A_real	50.4643	0.0	25.23215	0.0
load	N_1700096148	constant_power_B_real	50.4643	0.0	25.23215	0.0
load	N_1700096148	constant_power_C_real	50.4643	0.0	25.23215	0.0
load	N_1700096148	constant_power_A_reac	16.5868	0.0	8.2934	0.0
load	N_1700096148	constant_power_B_reac	16.5868	0.0	8.2934	0.0
load	N_1700096148	constant_power_C_reac	16.5868	0.0	8.2934	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700065853	constant_power_A	1289.86	423.958	644.93	211.979
load	N_1700065853	constant_power_B	1289.86	423.958	644.93	211.979
load	N_1700065853	constant_power_A_real	1289.86	0.0	644.93	0.0
load	N_1700065853	constant_power_B_real	1289.86	0.0	644.93	0.0
load	N_1700065853	constant_power_A_reac	423.958	0.0	211.979	0.0
load	N_1700065853	constant_power_B_reac	423.958	0.0	211.979	0.0
load	N_1700058663	constant_power_A	948.727	587.968	474.3635	293.984
load	N_1700058663	constant_power_B	948.727	587.968	474.3635	293.984
load	N_1700058663	constant_power_C	948.727	587.968	474.3635	293.984
load	N_1700058663	constant_power_A_real	948.727	0.0	474.3635	0.0
load	N_1700058663	constant_power_B_real	948.727	0.0	474.3635	0.0
load	N_1700058663	constant_power_C_real	948.727	0.0	474.3635	0.0
load	N_1700058663	constant_power_A_reac	587.968	0.0	293.984	0.0
load	N_1700058663	constant_power_B_reac	587.968	0.0	293.984	0.0
load	N_1700058663	constant_power_C_reac	587.968	0.0	293.984	0.0
load	N_1700093435	constant_power_A	496.567	163.214	248.2835	81.607
load	N_1700093435	constant_power_B	496.567	163.214	248.2835	81.607
load	N_1700093435	constant_power_C	496.567	163.214	248.2835	81.607
load	N_1700093435	constant_power_A_real	496.567	0.0	248.2835	0.0
load	N_1700093435	constant_power_B_real	496.567	0.0	248.2835	0.0
load	N_1700093435	constant_power_C_real	496.567	0.0	248.2835	0.0
load	N_1700093435	constant_power_A_reac	163.214	0.0	81.607	0.0
load	N_1700093435	constant_power_B_reac	163.214	0.0	81.607	0.0
load	N_1700093435	constant_power_C_reac	163.214	0.0	81.607	0.0
load	N_1700091803	constant_power_A	468.308	162.151	234.154	81.0755
load	N_1700091803	constant_power_B	468.308	162.151	234.154	81.0755
load	N_1700091803	constant_power_C	468.308	162.151	234.154	81.0755
load	N_1700091803	constant_power_A_real	468.308	0.0	234.154	0.0
load	N_1700091803	constant_power_B_real	468.308	0.0	234.154	0.0
load	N_1700091803	constant_power_C_real	468.308	0.0	234.154	0.0
load	N_1700091803	constant_power_A_reac	162.151	0.0	81.0755	0.0
load	N_1700091803	constant_power_B_reac	162.151	0.0	81.0755	0.0
load	N_1700091803	constant_power_C_reac	162.151	0.0	81.0755	0.0
load	N_1700091801	constant_power_A	1392.81	457.795	696.405	228.8975
load	N_1700091801	constant_power_B	1392.81	457.795	696.405	228.8975
load	N_1700091801	constant_power_C	1392.81	457.795	696.405	228.8975
load	N_1700091801	constant_power_A_real	1392.81	0.0	696.405	0.0
load	N_1700091801	constant_power_B_real	1392.81	0.0	696.405	0.0
load	N_1700091801	constant_power_C_real	1392.81	0.0	696.405	0.0
load	N_1700091801	constant_power_A_reac	457.795	0.0	228.8975	0.0
load	N_1700091801	constant_power_B_reac	457.795	0.0	228.8975	0.0
load	N_1700091801	constant_power_C_reac	457.795	0.0	228.8975	0.0
load	N_1700018713	constant_power_C	14073.4	4625.72	7036.7	2312.86
load	N_1700018713	constant_power_C_real	14073.4	0.0	7036.7	0.0
load	N_1700018713	constant_power_C_reac	4625.72	0.0	2312.86	0.0
load	N_1700091807	constant_power_A	960.838	315.812	480.419	157.906
load	N_1700091807	constant_power_B	960.838	315.812	480.419	157.906
load	N_1700091807	constant_power_C	960.838	315.812	480.419	157.906
load	N_1700091807	constant_power_A_real	960.838	0.0	480.419	0.0
load	N_1700091807	constant_power_B_real	960.838	0.0	480.419	0.0
load	N_1700091807	constant_power_C_real	960.838	0.0	480.419	0.0
load	N_1700091807	constant_power_A_reac	315.812	0.0	157.906	0.0
load	N_1700091807	constant_power_B_reac	315.812	0.0	157.906	0.0
load	N_1700091807	constant_power_C_reac	315.812	0.0	157.906	0.0
load	N_1700091805	constant_power_A	54.5013	17.9137	27.25065	8.95685
load	N_1700091805	constant_power_B	54.5013	17.9137	27.25065	8.95685
load	N_1700091805	constant_power_C	54.5013	17.9137	27.25065	8.95685
load	N_1700091805	constant_power_A_real	54.5013	0.0	27.25065	0.0
load	N_1700091805	constant_power_B_real	54.5013	0.0	27.25065	0.0
load	N_1700091805	constant_power_C_real	54.5013	0.0	27.25065	0.0
load	N_1700091805	constant_power_A_reac	17.9137	0.0	8.95685	0.0
load	N_1700091805	constant_power_B_reac	17.9137	0.0	8.95685	0.0
load	N_1700091805	constant_power_C_reac	17.9137	0.0	8.95685	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700091804	constant_power_A	1879.29	938.48	939.645	469.24
load	N_1700091804	constant_power_B	1879.29	938.48	939.645	469.24
load	N_1700091804	constant_power_C	1879.29	938.48	939.645	469.24
load	N_1700091804	constant_power_A_real	1879.29	0.0	939.645	0.0
load	N_1700091804	constant_power_B_real	1879.29	0.0	939.645	0.0
load	N_1700091804	constant_power_C_real	1879.29	0.0	939.645	0.0
load	N_1700091804	constant_power_A_reac	938.48	0.0	469.24	0.0
load	N_1700091804	constant_power_B_reac	938.48	0.0	469.24	0.0
load	N_1700091804	constant_power_C_reac	938.48	0.0	469.24	0.0
load	N_1700070125	constant_power_A	163.504	66.0792	81.752	33.0396
load	N_1700070125	constant_power_B	163.504	66.0792	81.752	33.0396
load	N_1700070125	constant_power_C	163.504	66.0792	81.752	33.0396
load	N_1700070125	constant_power_A_real	163.504	0.0	81.752	0.0
load	N_1700070125	constant_power_B_real	163.504	0.0	81.752	0.0
load	N_1700070125	constant_power_C_real	163.504	0.0	81.752	0.0
load	N_1700070125	constant_power_A_reac	66.0792	0.0	33.0396	0.0
load	N_1700070125	constant_power_B_reac	66.0792	0.0	33.0396	0.0
load	N_1700070125	constant_power_C_reac	66.0792	0.0	33.0396	0.0
load	N_1700070127	constant_power_A	175.615	108.837	87.8075	54.4185
load	N_1700070127	constant_power_B	175.615	108.837	87.8075	54.4185
load	N_1700070127	constant_power_C	175.615	108.837	87.8075	54.4185
load	N_1700070127	constant_power_A_real	175.615	0.0	87.8075	0.0
load	N_1700070127	constant_power_B_real	175.615	0.0	87.8075	0.0
load	N_1700070127	constant_power_C_real	175.615	0.0	87.8075	0.0
load	N_1700070127	constant_power_A_reac	108.837	0.0	54.4185	0.0
load	N_1700070127	constant_power_B_reac	108.837	0.0	54.4185	0.0
load	N_1700070127	constant_power_C_reac	108.837	0.0	54.4185	0.0
load	N_1700070126	constant_power_A	421.881	138.665	210.9405	69.3325
load	N_1700070126	constant_power_B	421.881	138.665	210.9405	69.3325
load	N_1700070126	constant_power_C	421.881	138.665	210.9405	69.3325
load	N_1700070126	constant_power_A_real	421.881	0.0	210.9405	0.0
load	N_1700070126	constant_power_B_real	421.881	0.0	210.9405	0.0
load	N_1700070126	constant_power_C_real	421.881	0.0	210.9405	0.0
load	N_1700070126	constant_power_A_reac	138.665	0.0	69.3325	0.0
load	N_1700070126	constant_power_B_reac	138.665	0.0	69.3325	0.0
load	N_1700070126	constant_power_C_reac	138.665	0.0	69.3325	0.0
load	N_1700070121	constant_power_A	70.65	23.2215	35.325	11.61075
load	N_1700070121	constant_power_B	70.65	23.2215	35.325	11.61075
load	N_1700070121	constant_power_C	70.65	23.2215	35.325	11.61075
load	N_1700070121	constant_power_A_real	70.65	0.0	35.325	0.0
load	N_1700070121	constant_power_B_real	70.65	0.0	35.325	0.0
load	N_1700070121	constant_power_C_real	70.65	0.0	35.325	0.0
load	N_1700070121	constant_power_A_reac	23.2215	0.0	11.61075	0.0
load	N_1700070121	constant_power_B_reac	23.2215	0.0	11.61075	0.0
load	N_1700070121	constant_power_C_reac	23.2215	0.0	11.61075	0.0
load	N_1700070120	constant_power_A	1019.38	335.053	509.69	167.5265
load	N_1700070120	constant_power_B	1019.38	335.053	509.69	167.5265
load	N_1700070120	constant_power_C	1019.38	335.053	509.69	167.5265
load	N_1700070120	constant_power_A_real	1019.38	0.0	509.69	0.0
load	N_1700070120	constant_power_B_real	1019.38	0.0	509.69	0.0
load	N_1700070120	constant_power_C_real	1019.38	0.0	509.69	0.0
load	N_1700070120	constant_power_A_reac	335.053	0.0	167.5265	0.0
load	N_1700070120	constant_power_B_reac	335.053	0.0	167.5265	0.0
load	N_1700070120	constant_power_C_reac	335.053	0.0	167.5265	0.0
load	N_1700094657	constant_power_A	163.504	53.7412	81.752	26.8706
load	N_1700094657	constant_power_B	163.504	53.7412	81.752	26.8706
load	N_1700094657	constant_power_C	163.504	53.7412	81.752	26.8706
load	N_1700094657	constant_power_A_real	163.504	0.0	81.752	0.0
load	N_1700094657	constant_power_B_real	163.504	0.0	81.752	0.0
load	N_1700094657	constant_power_C_real	163.504	0.0	81.752	0.0
load	N_1700094657	constant_power_A_reac	53.7412	0.0	26.8706	0.0
load	N_1700094657	constant_power_B_reac	53.7412	0.0	26.8706	0.0
load	N_1700094657	constant_power_C_reac	53.7412	0.0	26.8706	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094656	constant_power_A	2278.96	1412.37	1139.48	706.185
load	N_1700094656	constant_power_B	2278.96	1412.37	1139.48	706.185
load	N_1700094656	constant_power_C	2278.96	1412.37	1139.48	706.185
load	N_1700094656	constant_power_A_real	2278.96	0.0	1139.48	0.0
load	N_1700094656	constant_power_B_real	2278.96	0.0	1139.48	0.0
load	N_1700094656	constant_power_C_real	2278.96	0.0	1139.48	0.0
load	N_1700094656	constant_power_A_reac	1412.37	0.0	706.185	0.0
load	N_1700094656	constant_power_B_reac	1412.37	0.0	706.185	0.0
load	N_1700094656	constant_power_C_reac	1412.37	0.0	706.185	0.0
load	N_1700094658	constant_power_A	1610.82	998.294	805.41	499.147
load	N_1700094658	constant_power_B	1610.82	998.294	805.41	499.147
load	N_1700094658	constant_power_C	1610.82	998.294	805.41	499.147
load	N_1700094658	constant_power_A_real	1610.82	0.0	805.41	0.0
load	N_1700094658	constant_power_B_real	1610.82	0.0	805.41	0.0
load	N_1700094658	constant_power_C_real	1610.82	0.0	805.41	0.0
load	N_1700094658	constant_power_A_reac	998.294	0.0	499.147	0.0
load	N_1700094658	constant_power_B_reac	998.294	0.0	499.147	0.0
load	N_1700094658	constant_power_C_reac	998.294	0.0	499.147	0.0
load	N_1700094712	constant_power_A	914.411	334.041	457.2055	167.0205
load	N_1700094712	constant_power_B	914.411	334.041	457.2055	167.0205
load	N_1700094712	constant_power_C	914.411	334.041	457.2055	167.0205
load	N_1700094712	constant_power_A_real	914.411	0.0	457.2055	0.0
load	N_1700094712	constant_power_B_real	914.411	0.0	457.2055	0.0
load	N_1700094712	constant_power_C_real	914.411	0.0	457.2055	0.0
load	N_1700094712	constant_power_A_reac	334.041	0.0	167.0205	0.0
load	N_1700094712	constant_power_B_reac	334.041	0.0	167.0205	0.0
load	N_1700094712	constant_power_C_reac	334.041	0.0	167.0205	0.0
load	N_1700065025	constant_power_A	1592.65	523.478	796.325	261.739
load	N_1700065025	constant_power_B	1592.65	523.478	796.325	261.739
load	N_1700065025	constant_power_A_real	1592.65	0.0	796.325	0.0
load	N_1700065025	constant_power_B_real	1592.65	0.0	796.325	0.0
load	N_1700065025	constant_power_A_reac	523.478	0.0	261.739	0.0
load	N_1700065025	constant_power_B_reac	523.478	0.0	261.739	0.0
load	N_1700070129	constant_power_A	14.13	4.64431	7.065	2.322155
load	N_1700070129	constant_power_B	14.13	4.64431	7.065	2.322155
load	N_1700070129	constant_power_C	14.13	4.64431	7.065	2.322155
load	N_1700070129	constant_power_A_real	14.13	0.0	7.065	0.0
load	N_1700070129	constant_power_B_real	14.13	0.0	7.065	0.0
load	N_1700070129	constant_power_C_real	14.13	0.0	7.065	0.0
load	N_1700070129	constant_power_A_reac	4.64431	0.0	2.322155	0.0
load	N_1700070129	constant_power_B_reac	4.64431	0.0	2.322155	0.0
load	N_1700070129	constant_power_C_reac	4.64431	0.0	2.322155	0.0
load	N_1700065023	constant_power_A	431.973	141.983	215.9865	70.9915
load	N_1700065023	constant_power_B	431.973	141.983	215.9865	70.9915
load	N_1700065023	constant_power_C	431.973	141.983	215.9865	70.9915
load	N_1700065023	constant_power_A_real	431.973	0.0	215.9865	0.0
load	N_1700065023	constant_power_B_real	431.973	0.0	215.9865	0.0
load	N_1700065023	constant_power_C_real	431.973	0.0	215.9865	0.0
load	N_1700065023	constant_power_A_reac	141.983	0.0	70.9915	0.0
load	N_1700065023	constant_power_B_reac	141.983	0.0	70.9915	0.0
load	N_1700065023	constant_power_C_reac	141.983	0.0	70.9915	0.0
load	N_1700093100	constant_power_A	535.93	176.152	267.965	88.076
load	N_1700093100	constant_power_B	535.93	176.152	267.965	88.076
load	N_1700093100	constant_power_A_real	535.93	0.0	267.965	0.0
load	N_1700093100	constant_power_B_real	535.93	0.0	267.965	0.0
load	N_1700093100	constant_power_A_reac	176.152	0.0	88.076	0.0
load	N_1700093100	constant_power_B_reac	176.152	0.0	88.076	0.0
load	N_1700076135	constant_power_A	405.732	133.358	202.866	66.679
load	N_1700076135	constant_power_B	405.732	133.358	202.866	66.679
load	N_1700076135	constant_power_C	405.732	133.358	202.866	66.679
load	N_1700076135	constant_power_A_real	405.732	0.0	202.866	0.0
load	N_1700076135	constant_power_B_real	405.732	0.0	202.866	0.0
load	N_1700076135	constant_power_C_real	405.732	0.0	202.866	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700076135	constant_power_A_reac	133.358	0.0	66.679	0.0
load	N_1700076135	constant_power_B_reac	133.358	0.0	66.679	0.0
load	N_1700076135	constant_power_C_reac	133.358	0.0	66.679	0.0
load	N_1700076137	constant_power_A	54.5013	33.7769	27.25065	16.88845
load	N_1700076137	constant_power_B	54.5013	33.7769	27.25065	16.88845
load	N_1700076137	constant_power_C	54.5013	33.7769	27.25065	16.88845
load	N_1700076137	constant_power_A_real	54.5013	0.0	27.25065	0.0
load	N_1700076137	constant_power_B_real	54.5013	0.0	27.25065	0.0
load	N_1700076137	constant_power_C_real	54.5013	0.0	27.25065	0.0
load	N_1700076137	constant_power_A_reac	33.7769	0.0	16.88845	0.0
load	N_1700076137	constant_power_B_reac	33.7769	0.0	16.88845	0.0
load	N_1700076137	constant_power_C_reac	33.7769	0.0	16.88845	0.0
load	N_1700018985	constant_power_A	4469.11	2531.76	2234.555	1265.88
load	N_1700018985	constant_power_A_real	4469.11	0.0	2234.555	0.0
load	N_1700018985	constant_power_A_reac	2531.76	0.0	1265.88	0.0
load	N_1700018984	constant_power_A	2561.56	841.945	1280.78	420.9725
load	N_1700018984	constant_power_A_real	2561.56	0.0	1280.78	0.0
load	N_1700018984	constant_power_A_reac	841.945	0.0	420.9725	0.0
load	N_1700093069	constant_power_A	545.013	179.137	272.5065	89.5685
load	N_1700093069	constant_power_B	545.013	179.137	272.5065	89.5685
load	N_1700093069	constant_power_C	545.013	179.137	272.5065	89.5685
load	N_1700093069	constant_power_A_real	545.013	0.0	272.5065	0.0
load	N_1700093069	constant_power_B_real	545.013	0.0	272.5065	0.0
load	N_1700093069	constant_power_C_real	545.013	0.0	272.5065	0.0
load	N_1700093069	constant_power_A_reac	179.137	0.0	89.5685	0.0
load	N_1700093069	constant_power_B_reac	179.137	0.0	89.5685	0.0
load	N_1700093069	constant_power_C_reac	179.137	0.0	89.5685	0.0
load	N_1700093068	constant_power_A	1522.0	898.599	761.0	449.2995
load	N_1700093068	constant_power_B	1522.0	898.599	761.0	449.2995
load	N_1700093068	constant_power_C	1522.0	898.599	761.0	449.2995
load	N_1700093068	constant_power_A_real	1522.0	0.0	761.0	0.0
load	N_1700093068	constant_power_B_real	1522.0	0.0	761.0	0.0
load	N_1700093068	constant_power_C_real	1522.0	0.0	761.0	0.0
load	N_1700093068	constant_power_A_reac	898.599	0.0	449.2995	0.0
load	N_1700093068	constant_power_B_reac	898.599	0.0	449.2995	0.0
load	N_1700093068	constant_power_C_reac	898.599	0.0	449.2995	0.0
load	N_1700093108	constant_power_A	272.507	89.5686	136.2535	44.7843
load	N_1700093108	constant_power_B	272.507	89.5686	136.2535	44.7843
load	N_1700093108	constant_power_C	272.507	89.5686	136.2535	44.7843
load	N_1700093108	constant_power_A_real	272.507	0.0	136.2535	0.0
load	N_1700093108	constant_power_B_real	272.507	0.0	136.2535	0.0
load	N_1700093108	constant_power_C_real	272.507	0.0	136.2535	0.0
load	N_1700093108	constant_power_A_reac	89.5686	0.0	44.7843	0.0
load	N_1700093108	constant_power_B_reac	89.5686	0.0	44.7843	0.0
load	N_1700093108	constant_power_C_reac	89.5686	0.0	44.7843	0.0
load	N_1700093066	constant_power_A	3500.2	1150.46	1750.1	575.23
load	N_1700093066	constant_power_B	3500.2	1150.46	1750.1	575.23
load	N_1700093066	constant_power_A_real	3500.2	0.0	1750.1	0.0
load	N_1700093066	constant_power_B_real	3500.2	0.0	1750.1	0.0
load	N_1700093066	constant_power_A_reac	1150.46	0.0	575.23	0.0
load	N_1700093066	constant_power_B_reac	1150.46	0.0	575.23	0.0
load	N_1700093065	constant_power_A	318.934	104.828	159.467	52.414
load	N_1700093065	constant_power_B	318.934	104.828	159.467	52.414
load	N_1700093065	constant_power_C	318.934	104.828	159.467	52.414
load	N_1700093065	constant_power_A_real	318.934	0.0	159.467	0.0
load	N_1700093065	constant_power_B_real	318.934	0.0	159.467	0.0
load	N_1700093065	constant_power_C_real	318.934	0.0	159.467	0.0
load	N_1700093065	constant_power_A_reac	104.828	0.0	52.414	0.0
load	N_1700093065	constant_power_B_reac	104.828	0.0	52.414	0.0
load	N_1700093065	constant_power_C_reac	104.828	0.0	52.414	0.0
load	N_1700093064	constant_power_A	999.19	549.621	499.595	274.8105
load	N_1700093064	constant_power_B	999.19	549.621	499.595	274.8105
load	N_1700093064	constant_power_A_real	999.19	0.0	499.595	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093064	constant_power_B_real	999.19	0.0	499.595	0.0
load	N_1700093064	constant_power_A_reac	549.621	0.0	274.8105	0.0
load	N_1700093064	constant_power_B_reac	549.621	0.0	274.8105	0.0
load	N_1700076138	constant_power_A	968.912	318.466	484.456	159.233
load	N_1700076138	constant_power_B	968.912	318.466	484.456	159.233
load	N_1700076138	constant_power_A_real	968.912	0.0	484.456	0.0
load	N_1700076138	constant_power_B_real	968.912	0.0	484.456	0.0
load	N_1700076138	constant_power_A_reac	318.466	0.0	159.233	0.0
load	N_1700076138	constant_power_B_reac	318.466	0.0	159.233	0.0
load	N_1700076139	constant_power_A	1180.86	388.131	590.43	194.0655
load	N_1700076139	constant_power_B	1180.86	388.131	590.43	194.0655
load	N_1700076139	constant_power_A_real	1180.86	0.0	590.43	0.0
load	N_1700076139	constant_power_B_real	1180.86	0.0	590.43	0.0
load	N_1700076139	constant_power_A_reac	388.131	0.0	194.0655	0.0
load	N_1700076139	constant_power_B_reac	388.131	0.0	194.0655	0.0
load	N_1700093061	constant_power_A	718.61	236.196	359.305	118.098
load	N_1700093061	constant_power_B	718.61	236.196	359.305	118.098
load	N_1700093061	constant_power_C	718.61	236.196	359.305	118.098
load	N_1700093061	constant_power_A_real	718.61	0.0	359.305	0.0
load	N_1700093061	constant_power_B_real	718.61	0.0	359.305	0.0
load	N_1700093061	constant_power_C_real	718.61	0.0	359.305	0.0
load	N_1700093061	constant_power_A_reac	236.196	0.0	118.098	0.0
load	N_1700093061	constant_power_B_reac	236.196	0.0	118.098	0.0
load	N_1700093061	constant_power_C_reac	236.196	0.0	118.098	0.0
load	N_1700093060	constant_power_A	476.382	156.579	238.191	78.2895
load	N_1700093060	constant_power_B	476.382	156.579	238.191	78.2895
load	N_1700093060	constant_power_C	476.382	156.579	238.191	78.2895
load	N_1700093060	constant_power_A_real	476.382	0.0	238.191	0.0
load	N_1700093060	constant_power_B_real	476.382	0.0	238.191	0.0
load	N_1700093060	constant_power_C_real	476.382	0.0	238.191	0.0
load	N_1700093060	constant_power_A_reac	156.579	0.0	78.2895	0.0
load	N_1700093060	constant_power_B_reac	156.579	0.0	78.2895	0.0
load	N_1700093060	constant_power_C_reac	156.579	0.0	78.2895	0.0
load	N_1700094546	constant_power_A	20.1857	6.63471	10.09285	3.317355
load	N_1700094546	constant_power_B	20.1857	6.63471	10.09285	3.317355
load	N_1700094546	constant_power_C	20.1857	6.63471	10.09285	3.317355
load	N_1700094546	constant_power_A_real	20.1857	0.0	10.09285	0.0
load	N_1700094546	constant_power_B_real	20.1857	0.0	10.09285	0.0
load	N_1700094546	constant_power_C_real	20.1857	0.0	10.09285	0.0
load	N_1700094546	constant_power_A_reac	6.63471	0.0	3.317355	0.0
load	N_1700094546	constant_power_B_reac	6.63471	0.0	3.317355	0.0
load	N_1700094546	constant_power_C_reac	6.63471	0.0	3.317355	0.0
load	N_1700055674	constant_power_A	427.936	140.656	213.968	70.328
load	N_1700055674	constant_power_B	427.936	140.656	213.968	70.328
load	N_1700055674	constant_power_C	427.936	140.656	213.968	70.328
load	N_1700055674	constant_power_A_real	427.936	0.0	213.968	0.0
load	N_1700055674	constant_power_B_real	427.936	0.0	213.968	0.0
load	N_1700055674	constant_power_C_real	427.936	0.0	213.968	0.0
load	N_1700055674	constant_power_A_reac	140.656	0.0	70.328	0.0
load	N_1700055674	constant_power_B_reac	140.656	0.0	70.328	0.0
load	N_1700055674	constant_power_C_reac	140.656	0.0	70.328	0.0
load	N_1700092791	constant_power_A	244.247	80.28	122.1235	40.14
load	N_1700092791	constant_power_B	244.247	80.28	122.1235	40.14
load	N_1700092791	constant_power_C	244.247	80.28	122.1235	40.14
load	N_1700092791	constant_power_A_real	244.247	0.0	122.1235	0.0
load	N_1700092791	constant_power_B_real	244.247	0.0	122.1235	0.0
load	N_1700092791	constant_power_C_real	244.247	0.0	122.1235	0.0
load	N_1700092791	constant_power_A_reac	80.28	0.0	40.14	0.0
load	N_1700092791	constant_power_B_reac	80.28	0.0	40.14	0.0
load	N_1700092791	constant_power_C_reac	80.28	0.0	40.14	0.0
load	N_1700072914	constant_power_A	633.83	208.33	316.915	104.165
load	N_1700072914	constant_power_B	633.83	208.33	316.915	104.165
load	N_1700072914	constant_power_C	633.83	208.33	316.915	104.165

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700072914	constant_power_A_real	633.83	0.0	316.915	0.0
load	N_1700072914	constant_power_B_real	633.83	0.0	316.915	0.0
load	N_1700072914	constant_power_C_real	633.83	0.0	316.915	0.0
load	N_1700072914	constant_power_A_reac	208.33	0.0	104.165	0.0
load	N_1700072914	constant_power_B_reac	208.33	0.0	104.165	0.0
load	N_1700072914	constant_power_C_reac	208.33	0.0	104.165	0.0
load	N_1700093023	constant_power_A	4111.82	1351.49	2055.91	675.745
load	N_1700093023	constant_power_A_real	4111.82	0.0	2055.91	0.0
load	N_1700093023	constant_power_A_reac	1351.49	0.0	675.745	0.0
load	N_1700018969	constant_power_A	4.037	2.50191	2.0185	1.250955
load	N_1700018969	constant_power_B	4.037	2.50191	2.0185	1.250955
load	N_1700018969	constant_power_C	4.037	2.50191	2.0185	1.250955
load	N_1700018969	constant_power_A_real	4.037	0.0	2.0185	0.0
load	N_1700018969	constant_power_B_real	4.037	0.0	2.0185	0.0
load	N_1700018969	constant_power_C_real	4.037	0.0	2.0185	0.0
load	N_1700018969	constant_power_A_reac	2.50191	0.0	1.250955	0.0
load	N_1700018969	constant_power_B_reac	2.50191	0.0	1.250955	0.0
load	N_1700018969	constant_power_C_reac	2.50191	0.0	1.250955	0.0
load	N_1700018967	constant_power_A	10058.5	3586.32	5029.25	1793.16
load	N_1700018967	constant_power_A_real	10058.5	0.0	5029.25	0.0
load	N_1700018967	constant_power_A_reac	3586.32	0.0	1793.16	0.0
load	N_1700018740	constant_power_A	10522.8	6521.44	5261.4	3260.72
load	N_1700018740	constant_power_B	10522.8	6521.44	5261.4	3260.72
load	N_1700018740	constant_power_C	10522.8	6521.44	5261.4	3260.72
load	N_1700018740	constant_power_A_real	10522.8	0.0	5261.4	0.0
load	N_1700018740	constant_power_B_real	10522.8	0.0	5261.4	0.0
load	N_1700018740	constant_power_C_real	10522.8	0.0	5261.4	0.0
load	N_1700018740	constant_power_A_reac	6521.44	0.0	3260.72	0.0
load	N_1700018740	constant_power_B_reac	6521.44	0.0	3260.72	0.0
load	N_1700018740	constant_power_C_reac	6521.44	0.0	3260.72	0.0
load	N_1700018747	constant_power_A	333.064	109.473	166.532	54.7365
load	N_1700018747	constant_power_B	333.064	109.473	166.532	54.7365
load	N_1700018747	constant_power_C	333.064	109.473	166.532	54.7365
load	N_1700018747	constant_power_A_real	333.064	0.0	166.532	0.0
load	N_1700018747	constant_power_B_real	333.064	0.0	166.532	0.0
load	N_1700018747	constant_power_C_real	333.064	0.0	166.532	0.0
load	N_1700018747	constant_power_A_reac	109.473	0.0	54.7365	0.0
load	N_1700018747	constant_power_B_reac	109.473	0.0	54.7365	0.0
load	N_1700018747	constant_power_C_reac	109.473	0.0	54.7365	0.0
load	N_1700093021	constant_power_A	935.606	307.519	467.803	153.7595
load	N_1700093021	constant_power_B	935.606	307.519	467.803	153.7595
load	N_1700093021	constant_power_A_real	935.606	0.0	467.803	0.0
load	N_1700093021	constant_power_B_real	935.606	0.0	467.803	0.0
load	N_1700093021	constant_power_A_reac	307.519	0.0	153.7595	0.0
load	N_1700093021	constant_power_B_reac	307.519	0.0	153.7595	0.0
load	N_1700018744	constant_power_A	4578.11	1504.75	2289.055	752.375
load	N_1700018744	constant_power_A_real	4578.11	0.0	2289.055	0.0
load	N_1700018744	constant_power_A_reac	1504.75	0.0	752.375	0.0
load	N_1700018066	constant_power_A	2767.45	909.618	1383.725	454.809
load	N_1700018066	constant_power_B	2767.45	909.618	1383.725	454.809
load	N_1700018066	constant_power_A_real	2767.45	0.0	1383.725	0.0
load	N_1700018066	constant_power_B_real	2767.45	0.0	1383.725	0.0
load	N_1700018066	constant_power_A_reac	909.618	0.0	454.809	0.0
load	N_1700018066	constant_power_B_reac	909.618	0.0	454.809	0.0
load	N_1700018065	constant_power_A	2101.33	690.673	1050.665	345.3365
load	N_1700018065	constant_power_B	2101.33	690.673	1050.665	345.3365
load	N_1700018065	constant_power_A_real	2101.33	0.0	1050.665	0.0
load	N_1700018065	constant_power_B_real	2101.33	0.0	1050.665	0.0
load	N_1700018065	constant_power_A_reac	690.673	0.0	345.3365	0.0
load	N_1700018065	constant_power_B_reac	690.673	0.0	345.3365	0.0
load	N_1700018183	constant_power_A	151.393	93.8247	75.6965	46.91235
load	N_1700018183	constant_power_B	151.393	93.8247	75.6965	46.91235
load	N_1700018183	constant_power_C	151.393	93.8247	75.6965	46.91235

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700018183	constant_power_A_real	151.393	0.0	75.6965	0.0
load	N_1700018183	constant_power_B_real	151.393	0.0	75.6965	0.0
load	N_1700018183	constant_power_C_real	151.393	0.0	75.6965	0.0
load	N_1700018183	constant_power_A_reac	93.8247	0.0	46.91235	0.0
load	N_1700018183	constant_power_B_reac	93.8247	0.0	46.91235	0.0
load	N_1700018183	constant_power_C_reac	93.8247	0.0	46.91235	0.0
load	N_1700010762	constant_power_A	341.138	112.127	170.569	56.0635
load	N_1700010762	constant_power_B	341.138	112.127	170.569	56.0635
load	N_1700010762	constant_power_C	341.138	112.127	170.569	56.0635
load	N_1700010762	constant_power_A_real	341.138	0.0	170.569	0.0
load	N_1700010762	constant_power_B_real	341.138	0.0	170.569	0.0
load	N_1700010762	constant_power_C_real	341.138	0.0	170.569	0.0
load	N_1700010762	constant_power_A_reac	112.127	0.0	56.0635	0.0
load	N_1700010762	constant_power_B_reac	112.127	0.0	56.0635	0.0
load	N_1700010762	constant_power_C_reac	112.127	0.0	56.0635	0.0
load	N_1700018184	constant_power_A	680.257	421.585	340.1285	210.7925
load	N_1700018184	constant_power_B	680.257	421.585	340.1285	210.7925
load	N_1700018184	constant_power_C	680.257	421.585	340.1285	210.7925
load	N_1700018184	constant_power_A_real	680.257	0.0	340.1285	0.0
load	N_1700018184	constant_power_B_real	680.257	0.0	340.1285	0.0
load	N_1700018184	constant_power_C_real	680.257	0.0	340.1285	0.0
load	N_1700018184	constant_power_A_reac	421.585	0.0	210.7925	0.0
load	N_1700018184	constant_power_B_reac	421.585	0.0	210.7925	0.0
load	N_1700018184	constant_power_C_reac	421.585	0.0	210.7925	0.0
load	N_1700018186	constant_power_A	8193.36	5077.79	4096.68	2538.895
load	N_1700018186	constant_power_B	8193.36	5077.79	4096.68	2538.895
load	N_1700018186	constant_power_C	8193.36	5077.79	4096.68	2538.895
load	N_1700018186	constant_power_A_real	8193.36	0.0	4096.68	0.0
load	N_1700018186	constant_power_B_real	8193.36	0.0	4096.68	0.0
load	N_1700018186	constant_power_C_real	8193.36	0.0	4096.68	0.0
load	N_1700018186	constant_power_A_reac	5077.79	0.0	2538.895	0.0
load	N_1700018186	constant_power_B_reac	5077.79	0.0	2538.895	0.0
load	N_1700018186	constant_power_C_reac	5077.79	0.0	2538.895	0.0
load	N_1700092744	constant_power_A	322.971	200.159	161.4855	100.0795
load	N_1700092744	constant_power_B	322.971	200.159	161.4855	100.0795
load	N_1700092744	constant_power_C	322.971	200.159	161.4855	100.0795
load	N_1700092744	constant_power_A_real	322.971	0.0	161.4855	0.0
load	N_1700092744	constant_power_B_real	322.971	0.0	161.4855	0.0
load	N_1700092744	constant_power_C_real	322.971	0.0	161.4855	0.0
load	N_1700092744	constant_power_A_reac	200.159	0.0	100.0795	0.0
load	N_1700092744	constant_power_B_reac	200.159	0.0	100.0795	0.0
load	N_1700092744	constant_power_C_reac	200.159	0.0	100.0795	0.0
load	N_1700092747	constant_power_A	349.212	128.881	174.606	64.4405
load	N_1700092747	constant_power_B	349.212	128.881	174.606	64.4405
load	N_1700092747	constant_power_C	349.212	128.881	174.606	64.4405
load	N_1700092747	constant_power_A_real	349.212	0.0	174.606	0.0
load	N_1700092747	constant_power_B_real	349.212	0.0	174.606	0.0
load	N_1700092747	constant_power_C_real	349.212	0.0	174.606	0.0
load	N_1700092747	constant_power_A_reac	128.881	0.0	64.4405	0.0
load	N_1700092747	constant_power_B_reac	128.881	0.0	64.4405	0.0
load	N_1700092747	constant_power_C_reac	128.881	0.0	64.4405	0.0
load	N_1700092741	constant_power_A	5186.71	1704.79	2593.355	852.395
load	N_1700092741	constant_power_B	5186.71	1704.79	2593.355	852.395
load	N_1700092741	constant_power_A_real	5186.71	0.0	2593.355	0.0
load	N_1700092741	constant_power_B_real	5186.71	0.0	2593.355	0.0
load	N_1700092741	constant_power_A_reac	1704.79	0.0	852.395	0.0
load	N_1700092741	constant_power_B_reac	1704.79	0.0	852.395	0.0
load	N_1700092740	constant_power_A	90.836	29.8563	45.418	14.92815
load	N_1700092740	constant_power_B	90.836	29.8563	45.418	14.92815
load	N_1700092740	constant_power_A_real	90.836	0.0	45.418	0.0
load	N_1700092740	constant_power_B_real	90.836	0.0	45.418	0.0
load	N_1700092740	constant_power_A_reac	29.8563	0.0	14.92815	0.0
load	N_1700092740	constant_power_B_reac	29.8563	0.0	14.92815	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094623	constant_power_A	363.342	225.179	181.671	112.5895
load	N_1700094623	constant_power_B	363.342	225.179	181.671	112.5895
load	N_1700094623	constant_power_C	363.342	225.179	181.671	112.5895
load	N_1700094623	constant_power_A_real	363.342	0.0	181.671	0.0
load	N_1700094623	constant_power_B_real	363.342	0.0	181.671	0.0
load	N_1700094623	constant_power_C_real	363.342	0.0	181.671	0.0
load	N_1700094623	constant_power_A_reac	225.179	0.0	112.5895	0.0
load	N_1700094623	constant_power_B_reac	225.179	0.0	112.5895	0.0
load	N_1700094623	constant_power_C_reac	225.179	0.0	112.5895	0.0
load	N_1700093616	constant_power_A	320.952	105.492	160.476	52.746
load	N_1700093616	constant_power_B	320.952	105.492	160.476	52.746
load	N_1700093616	constant_power_C	320.952	105.492	160.476	52.746
load	N_1700093616	constant_power_A_real	320.952	0.0	160.476	0.0
load	N_1700093616	constant_power_B_real	320.952	0.0	160.476	0.0
load	N_1700093616	constant_power_C_real	320.952	0.0	160.476	0.0
load	N_1700093616	constant_power_A_reac	105.492	0.0	52.746	0.0
load	N_1700093616	constant_power_B_reac	105.492	0.0	52.746	0.0
load	N_1700093616	constant_power_C_reac	105.492	0.0	52.746	0.0
load	N_170009997	constant_power_A	756.963	248.802	378.4815	124.401
load	N_170009997	constant_power_B	756.963	248.802	378.4815	124.401
load	N_170009997	constant_power_C	756.963	248.802	378.4815	124.401
load	N_170009997	constant_power_A_real	756.963	0.0	378.4815	0.0
load	N_170009997	constant_power_B_real	756.963	0.0	378.4815	0.0
load	N_170009997	constant_power_C_real	756.963	0.0	378.4815	0.0
load	N_170009997	constant_power_A_reac	248.802	0.0	124.401	0.0
load	N_170009997	constant_power_B_reac	248.802	0.0	124.401	0.0
load	N_170009997	constant_power_C_reac	248.802	0.0	124.401	0.0
load	N_1700093610	constant_power_A	8.07433	5.00402	4.037165	2.50201
load	N_1700093610	constant_power_B	8.07433	5.00402	4.037165	2.50201
load	N_1700093610	constant_power_C	8.07433	5.00402	4.037165	2.50201
load	N_1700093610	constant_power_A_real	8.07433	0.0	4.037165	0.0
load	N_1700093610	constant_power_B_real	8.07433	0.0	4.037165	0.0
load	N_1700093610	constant_power_C_real	8.07433	0.0	4.037165	0.0
load	N_1700093610	constant_power_A_reac	5.00402	0.0	2.50201	0.0
load	N_1700093610	constant_power_B_reac	5.00402	0.0	2.50201	0.0
load	N_1700093610	constant_power_C_reac	5.00402	0.0	2.50201	0.0
load	N_1700092748	constant_power_A	2113.44	694.654	1056.72	347.327
load	N_1700092748	constant_power_A_real	2113.44	0.0	1056.72	0.0
load	N_1700092748	constant_power_A_reac	694.654	0.0	347.327	0.0
load	N_1700093612	constant_power_A	6092.04	3775.5	3046.02	1887.75
load	N_1700093612	constant_power_B	6092.04	3775.5	3046.02	1887.75
load	N_1700093612	constant_power_C	6092.04	3775.5	3046.02	1887.75
load	N_1700093612	constant_power_A_real	6092.04	0.0	3046.02	0.0
load	N_1700093612	constant_power_B_real	6092.04	0.0	3046.02	0.0
load	N_1700093612	constant_power_C_real	6092.04	0.0	3046.02	0.0
load	N_1700093612	constant_power_A_reac	3775.5	0.0	1887.75	0.0
load	N_1700093612	constant_power_B_reac	3775.5	0.0	1887.75	0.0
load	N_1700093612	constant_power_C_reac	3775.5	0.0	1887.75	0.0
load	N_1700093613	constant_power_A	605.57	199.041	302.785	99.5205
load	N_1700093613	constant_power_B	605.57	199.041	302.785	99.5205
load	N_1700093613	constant_power_C	605.57	199.041	302.785	99.5205
load	N_1700093613	constant_power_A_real	605.57	0.0	302.785	0.0
load	N_1700093613	constant_power_B_real	605.57	0.0	302.785	0.0
load	N_1700093613	constant_power_C_real	605.57	0.0	302.785	0.0
load	N_1700093613	constant_power_A_reac	199.041	0.0	99.5205	0.0
load	N_1700093613	constant_power_B_reac	199.041	0.0	99.5205	0.0
load	N_1700093613	constant_power_C_reac	199.041	0.0	99.5205	0.0
load	N_1700018417	constant_power_A	617.682	203.022	308.841	101.511
load	N_1700018417	constant_power_B	617.682	203.022	308.841	101.511
load	N_1700018417	constant_power_C	617.682	203.022	308.841	101.511
load	N_1700018417	constant_power_A_real	617.682	0.0	308.841	0.0
load	N_1700018417	constant_power_B_real	617.682	0.0	308.841	0.0
load	N_1700018417	constant_power_C_real	617.682	0.0	308.841	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700018417	constant_power_A_reac	203.022	0.0	101.511	0.0
load	N_1700018417	constant_power_B_reac	203.022	0.0	101.511	0.0
load	N_1700018417	constant_power_C_reac	203.022	0.0	101.511	0.0
load	N_1700070102	constant_power_A	657.044	215.96	328.522	107.98
load	N_1700070102	constant_power_B	657.044	215.96	328.522	107.98
load	N_1700070102	constant_power_A_real	657.044	0.0	328.522	0.0
load	N_1700070102	constant_power_B_real	657.044	0.0	328.522	0.0
load	N_1700070102	constant_power_A_reac	215.96	0.0	107.98	0.0
load	N_1700070102	constant_power_B_reac	215.96	0.0	107.98	0.0
load	N_1700050954	constant_power_A	7942.05	2610.43	3971.025	1305.215
load	N_1700050954	constant_power_B	7942.05	2610.43	3971.025	1305.215
load	N_1700050954	constant_power_A_real	7942.05	0.0	3971.025	0.0
load	N_1700050954	constant_power_B_real	7942.05	0.0	3971.025	0.0
load	N_1700050954	constant_power_A_reac	2610.43	0.0	1305.215	0.0
load	N_1700050954	constant_power_B_reac	2610.43	0.0	1305.215	0.0
load	N_1700055545	constant_power_A	42213.1	26161.3	21106.55	13080.65
load	N_1700055545	constant_power_B	42213.1	26161.3	21106.55	13080.65
load	N_1700055545	constant_power_C	42213.1	26161.3	21106.55	13080.65
load	N_1700055545	constant_power_A_real	42213.1	0.0	21106.55	0.0
load	N_1700055545	constant_power_B_real	42213.1	0.0	21106.55	0.0
load	N_1700055545	constant_power_C_real	42213.1	0.0	21106.55	0.0
load	N_1700055545	constant_power_A_reac	26161.3	0.0	13080.65	0.0
load	N_1700055545	constant_power_B_reac	26161.3	0.0	13080.65	0.0
load	N_1700055545	constant_power_C_reac	26161.3	0.0	13080.65	0.0
load	N_1700050952	constant_power_A	486.475	159.896	243.2375	79.948
load	N_1700050952	constant_power_B	486.475	159.896	243.2375	79.948
load	N_1700050952	constant_power_C	486.475	159.896	243.2375	79.948
load	N_1700050952	constant_power_A_real	486.475	0.0	243.2375	0.0
load	N_1700050952	constant_power_B_real	486.475	0.0	243.2375	0.0
load	N_1700050952	constant_power_C_real	486.475	0.0	243.2375	0.0
load	N_1700050952	constant_power_A_reac	159.896	0.0	79.948	0.0
load	N_1700050952	constant_power_B_reac	159.896	0.0	79.948	0.0
load	N_1700050952	constant_power_C_reac	159.896	0.0	79.948	0.0
load	N_1700050953	constant_power_A	1604.76	994.541	802.38	497.2705
load	N_1700050953	constant_power_B	1604.76	994.541	802.38	497.2705
load	N_1700050953	constant_power_C	1604.76	994.541	802.38	497.2705
load	N_1700050953	constant_power_A_real	1604.76	0.0	802.38	0.0
load	N_1700050953	constant_power_B_real	1604.76	0.0	802.38	0.0
load	N_1700050953	constant_power_C_real	1604.76	0.0	802.38	0.0
load	N_1700050953	constant_power_A_reac	994.541	0.0	497.2705	0.0
load	N_1700050953	constant_power_B_reac	994.541	0.0	497.2705	0.0
load	N_1700050953	constant_power_C_reac	994.541	0.0	497.2705	0.0
load	N_1700093571	constant_power_A	2101.33	690.673	1050.665	345.3365
load	N_1700093571	constant_power_B	2101.33	690.673	1050.665	345.3365
load	N_1700093571	constant_power_A_real	2101.33	0.0	1050.665	0.0
load	N_1700093571	constant_power_B_real	2101.33	0.0	1050.665	0.0
load	N_1700093571	constant_power_A_reac	690.673	0.0	345.3365	0.0
load	N_1700093571	constant_power_B_reac	690.673	0.0	345.3365	0.0
load	N_1700116702	constant_power_A	3339.72	1097.71	1669.86	548.855
load	N_1700116702	constant_power_B	3339.72	1097.71	1669.86	548.855
load	N_1700116702	constant_power_A_real	3339.72	0.0	1669.86	0.0
load	N_1700116702	constant_power_B_real	3339.72	0.0	1669.86	0.0
load	N_1700116702	constant_power_A_reac	1097.71	0.0	548.855	0.0
load	N_1700116702	constant_power_B_reac	1097.71	0.0	548.855	0.0
load	N_1700043802	constant_power_A	107333.0	66519.2	53666.5	33259.6
load	N_1700043802	constant_power_B	107333.0	66519.2	53666.5	33259.6
load	N_1700043802	constant_power_C	107333.0	66519.2	53666.5	33259.6
load	N_1700043802	constant_power_A_real	107333.0	0.0	53666.5	0.0
load	N_1700043802	constant_power_B_real	107333.0	0.0	53666.5	0.0
load	N_1700043802	constant_power_C_real	107333.0	0.0	53666.5	0.0
load	N_1700043802	constant_power_A_reac	66519.2	0.0	33259.6	0.0
load	N_1700043802	constant_power_B_reac	66519.2	0.0	33259.6	0.0
load	N_1700043802	constant_power_C_reac	66519.2	0.0	33259.6	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093478	constant_power_C	890.188	292.591	445.094	146.2955
load	N_1700093478	constant_power_C_real	890.188	0.0	445.094	0.0
load	N_1700093478	constant_power_C_reac	292.591	0.0	146.2955	0.0
load	N_1700093479	constant_power_A	1628.98	535.421	814.49	267.7105
load	N_1700093479	constant_power_A_real	1628.98	0.0	814.49	0.0
load	N_1700093479	constant_power_A_reac	535.421	0.0	267.7105	0.0
load	N_1700093572	constant_power_A	1955.99	642.903	977.995	321.4515
load	N_1700093572	constant_power_B	1955.99	642.903	977.995	321.4515
load	N_1700093572	constant_power_A_real	1955.99	0.0	977.995	0.0
load	N_1700093572	constant_power_B_real	1955.99	0.0	977.995	0.0
load	N_1700093572	constant_power_A_reac	642.903	0.0	321.4515	0.0
load	N_1700093572	constant_power_B_reac	642.903	0.0	321.4515	0.0
load	N_1700093575	constant_power_A	520.79	171.176	260.395	85.588
load	N_1700093575	constant_power_B	520.79	171.176	260.395	85.588
load	N_1700093575	constant_power_C	520.79	171.176	260.395	85.588
load	N_1700093575	constant_power_A_real	520.79	0.0	260.395	0.0
load	N_1700093575	constant_power_B_real	520.79	0.0	260.395	0.0
load	N_1700093575	constant_power_C_real	520.79	0.0	260.395	0.0
load	N_1700093575	constant_power_A_reac	171.176	0.0	85.588	0.0
load	N_1700093575	constant_power_B_reac	171.176	0.0	85.588	0.0
load	N_1700093575	constant_power_C_reac	171.176	0.0	85.588	0.0
load	N_1700093577	constant_power_A	381.509	236.438	190.7545	118.219
load	N_1700093577	constant_power_B	381.509	236.438	190.7545	118.219
load	N_1700093577	constant_power_A_real	381.509	0.0	190.7545	0.0
load	N_1700093577	constant_power_B_real	381.509	0.0	190.7545	0.0
load	N_1700093577	constant_power_A_reac	236.438	0.0	118.219	0.0
load	N_1700093577	constant_power_B_reac	236.438	0.0	118.219	0.0
load	N_1700093576	constant_power_A	599.514	197.051	299.757	98.5255
load	N_1700093576	constant_power_B	599.514	197.051	299.757	98.5255
load	N_1700093576	constant_power_C	599.514	197.051	299.757	98.5255
load	N_1700093576	constant_power_A_real	599.514	0.0	299.757	0.0
load	N_1700093576	constant_power_B_real	599.514	0.0	299.757	0.0
load	N_1700093576	constant_power_C_real	599.514	0.0	299.757	0.0
load	N_1700093576	constant_power_A_reac	197.051	0.0	98.5255	0.0
load	N_1700093576	constant_power_B_reac	197.051	0.0	98.5255	0.0
load	N_1700093576	constant_power_C_reac	197.051	0.0	98.5255	0.0
load	N_1700096110	constant_power_A	793.297	260.744	396.6485	130.372
load	N_1700096110	constant_power_A_real	793.297	0.0	396.6485	0.0
load	N_1700096110	constant_power_A_reac	260.744	0.0	130.372	0.0
load	N_1700093471	constant_power_A	3712.14	1220.12	1856.07	610.06
load	N_1700093471	constant_power_A_real	3712.14	0.0	1856.07	0.0
load	N_1700093471	constant_power_A_reac	1220.12	0.0	610.06	0.0
load	N_1700093473	constant_power_A	676.22	222.263	338.11	111.1315
load	N_1700093473	constant_power_B	676.22	222.263	338.11	111.1315
load	N_1700093473	constant_power_C	676.22	222.263	338.11	111.1315
load	N_1700093473	constant_power_A_real	676.22	0.0	338.11	0.0
load	N_1700093473	constant_power_B_real	676.22	0.0	338.11	0.0
load	N_1700093473	constant_power_C_real	676.22	0.0	338.11	0.0
load	N_1700093473	constant_power_A_reac	222.263	0.0	111.1315	0.0
load	N_1700093473	constant_power_B_reac	222.263	0.0	111.1315	0.0
load	N_1700093473	constant_power_C_reac	222.263	0.0	111.1315	0.0
load	N_1700093475	constant_power_A	290.674	180.144	145.337	90.072
load	N_1700093475	constant_power_A_real	290.674	0.0	145.337	0.0
load	N_1700093475	constant_power_A_reac	180.144	0.0	90.072	0.0
load	N_1700093476	constant_power_C	2652.4	871.801	1326.2	435.9005
load	N_1700093476	constant_power_C_real	2652.4	0.0	1326.2	0.0
load	N_1700093476	constant_power_C_reac	871.801	0.0	435.9005	0.0
load	N_1700093477	constant_power_C	8895.83	2923.92	4447.915	1461.96
load	N_1700093477	constant_power_C_real	8895.83	0.0	4447.915	0.0
load	N_1700093477	constant_power_C_reac	2923.92	0.0	1461.96	0.0
load	N_170009537	constant_power_A	12.1113	7.50593	6.05565	3.752965
load	N_170009537	constant_power_B	12.1113	7.50593	6.05565	3.752965
load	N_170009537	constant_power_C	12.1113	7.50593	6.05565	3.752965

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700009537	constant_power_A_real	12.1113	0.0	6.05565	0.0
load	N_1700009537	constant_power_B_real	12.1113	0.0	6.05565	0.0
load	N_1700009537	constant_power_C_real	12.1113	0.0	6.05565	0.0
load	N_1700009537	constant_power_A_reac	7.50593	0.0	3.752965	0.0
load	N_1700009537	constant_power_B_reac	7.50593	0.0	3.752965	0.0
load	N_1700009537	constant_power_C_reac	7.50593	0.0	3.752965	0.0
load	N_1700060733	constant_power_A	302.785	99.5206	151.3925	49.7603
load	N_1700060733	constant_power_B	302.785	99.5206	151.3925	49.7603
load	N_1700060733	constant_power_C	302.785	99.5206	151.3925	49.7603
load	N_1700060733	constant_power_A_real	302.785	0.0	151.3925	0.0
load	N_1700060733	constant_power_B_real	302.785	0.0	151.3925	0.0
load	N_1700060733	constant_power_C_real	302.785	0.0	151.3925	0.0
load	N_1700060733	constant_power_A_reac	99.5206	0.0	49.7603	0.0
load	N_1700060733	constant_power_B_reac	99.5206	0.0	49.7603	0.0
load	N_1700060733	constant_power_C_reac	99.5206	0.0	49.7603	0.0
load	N_1700094601	constant_power_A	716.591	444.103	358.2955	222.0515
load	N_1700094601	constant_power_B	716.591	444.103	358.2955	222.0515
load	N_1700094601	constant_power_C	716.591	444.103	358.2955	222.0515
load	N_1700094601	constant_power_A_real	716.591	0.0	358.2955	0.0
load	N_1700094601	constant_power_B_real	716.591	0.0	358.2955	0.0
load	N_1700094601	constant_power_C_real	716.591	0.0	358.2955	0.0
load	N_1700094601	constant_power_A_reac	444.103	0.0	222.0515	0.0
load	N_1700094601	constant_power_B_reac	444.103	0.0	222.0515	0.0
load	N_1700094601	constant_power_C_reac	444.103	0.0	222.0515	0.0
load	N_1700060735	constant_power_A	68.6313	36.0711	34.31565	18.03555
load	N_1700060735	constant_power_B	68.6313	36.0711	34.31565	18.03555
load	N_1700060735	constant_power_C	68.6313	36.0711	34.31565	18.03555
load	N_1700060735	constant_power_A_real	68.6313	0.0	34.31565	0.0
load	N_1700060735	constant_power_B_real	68.6313	0.0	34.31565	0.0
load	N_1700060735	constant_power_C_real	68.6313	0.0	34.31565	0.0
load	N_1700060735	constant_power_A_reac	36.0711	0.0	18.03555	0.0
load	N_1700060735	constant_power_B_reac	36.0711	0.0	18.03555	0.0
load	N_1700060735	constant_power_C_reac	36.0711	0.0	18.03555	0.0
load	N_1700060734	constant_power_A	748.888	246.148	374.444	123.074
load	N_1700060734	constant_power_B	748.888	246.148	374.444	123.074
load	N_1700060734	constant_power_C	748.888	246.148	374.444	123.074
load	N_1700060734	constant_power_A_real	748.888	0.0	374.444	0.0
load	N_1700060734	constant_power_B_real	748.888	0.0	374.444	0.0
load	N_1700060734	constant_power_C_real	748.888	0.0	374.444	0.0
load	N_1700060734	constant_power_A_reac	246.148	0.0	123.074	0.0
load	N_1700060734	constant_power_B_reac	246.148	0.0	123.074	0.0
load	N_1700060734	constant_power_C_reac	246.148	0.0	123.074	0.0
load	N_1700060737	constant_power_A	601.533	372.797	300.7665	186.3985
load	N_1700060737	constant_power_B	601.533	372.797	300.7665	186.3985
load	N_1700060737	constant_power_C	601.533	372.797	300.7665	186.3985
load	N_1700060737	constant_power_A_real	601.533	0.0	300.7665	0.0
load	N_1700060737	constant_power_B_real	601.533	0.0	300.7665	0.0
load	N_1700060737	constant_power_C_real	601.533	0.0	300.7665	0.0
load	N_1700060737	constant_power_A_reac	372.797	0.0	186.3985	0.0
load	N_1700060737	constant_power_B_reac	372.797	0.0	186.3985	0.0
load	N_1700060737	constant_power_C_reac	372.797	0.0	186.3985	0.0
load	N_1700060736	constant_power_A	119.095	73.8087	59.5475	36.90435
load	N_1700060736	constant_power_B	119.095	73.8087	59.5475	36.90435
load	N_1700060736	constant_power_C	119.095	73.8087	59.5475	36.90435
load	N_1700060736	constant_power_A_real	119.095	0.0	59.5475	0.0
load	N_1700060736	constant_power_B_real	119.095	0.0	59.5475	0.0
load	N_1700060736	constant_power_C_real	119.095	0.0	59.5475	0.0
load	N_1700060736	constant_power_A_reac	73.8087	0.0	36.90435	0.0
load	N_1700060736	constant_power_B_reac	73.8087	0.0	36.90435	0.0
load	N_1700060736	constant_power_C_reac	73.8087	0.0	36.90435	0.0
load	N_1700094431	constant_power_A	2557.52	1585.01	1278.76	792.505
load	N_1700094431	constant_power_B	2557.52	1585.01	1278.76	792.505
load	N_1700094431	constant_power_C	2557.52	1585.01	1278.76	792.505

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094431	constant_power_A_real	2557.52	0.0	1278.76	0.0
load	N_1700094431	constant_power_B_real	2557.52	0.0	1278.76	0.0
load	N_1700094431	constant_power_C_real	2557.52	0.0	1278.76	0.0
load	N_1700094431	constant_power_A_reac	1585.01	0.0	792.505	0.0
load	N_1700094431	constant_power_B_reac	1585.01	0.0	792.505	0.0
load	N_1700094431	constant_power_C_reac	1585.01	0.0	792.505	0.0
load	N_1700060738	constant_power_A	763.018	250.792	381.509	125.396
load	N_1700060738	constant_power_B	763.018	250.792	381.509	125.396
load	N_1700060738	constant_power_C	763.018	250.792	381.509	125.396
load	N_1700060738	constant_power_A_real	763.018	0.0	381.509	0.0
load	N_1700060738	constant_power_B_real	763.018	0.0	381.509	0.0
load	N_1700060738	constant_power_C_real	763.018	0.0	381.509	0.0
load	N_1700060738	constant_power_A_reac	250.792	0.0	125.396	0.0
load	N_1700060738	constant_power_B_reac	250.792	0.0	125.396	0.0
load	N_1700060738	constant_power_C_reac	250.792	0.0	125.396	0.0
load	N_1700092759	constant_power_A	403.713	132.694	201.8565	66.347
load	N_1700092759	constant_power_B	403.713	132.694	201.8565	66.347
load	N_1700092759	constant_power_C	403.713	132.694	201.8565	66.347
load	N_1700092759	constant_power_A_real	403.713	0.0	201.8565	0.0
load	N_1700092759	constant_power_B_real	403.713	0.0	201.8565	0.0
load	N_1700092759	constant_power_C_real	403.713	0.0	201.8565	0.0
load	N_1700092759	constant_power_A_reac	132.694	0.0	66.347	0.0
load	N_1700092759	constant_power_B_reac	132.694	0.0	66.347	0.0
load	N_1700092759	constant_power_C_reac	132.694	0.0	66.347	0.0
load	N_1700017883	constant_power_A	6706.69	2204.38	3353.345	1102.19
load	N_1700017883	constant_power_B	6706.69	2204.38	3353.345	1102.19
load	N_1700017883	constant_power_A_real	6706.69	0.0	3353.345	0.0
load	N_1700017883	constant_power_B_real	6706.69	0.0	3353.345	0.0
load	N_1700017883	constant_power_A_reac	2204.38	0.0	1102.19	0.0
load	N_1700017883	constant_power_B_reac	2204.38	0.0	1102.19	0.0
load	N_1700061112	constant_power_A	488.493	160.56	244.2465	80.28
load	N_1700061112	constant_power_B	488.493	160.56	244.2465	80.28
load	N_1700061112	constant_power_C	488.493	160.56	244.2465	80.28
load	N_1700061112	constant_power_A_real	488.493	0.0	244.2465	0.0
load	N_1700061112	constant_power_B_real	488.493	0.0	244.2465	0.0
load	N_1700061112	constant_power_C_real	488.493	0.0	244.2465	0.0
load	N_1700061112	constant_power_A_reac	160.56	0.0	80.28	0.0
load	N_1700061112	constant_power_B_reac	160.56	0.0	80.28	0.0
load	N_1700061112	constant_power_C_reac	160.56	0.0	80.28	0.0
load	N_1700059614	constant_power_A	1692.57	556.32	846.285	278.16
load	N_1700059614	constant_power_B	1692.57	556.32	846.285	278.16
load	N_1700059614	constant_power_A_real	1692.57	0.0	846.285	0.0
load	N_1700059614	constant_power_B_real	1692.57	0.0	846.285	0.0
load	N_1700059614	constant_power_A_reac	556.32	0.0	278.16	0.0
load	N_1700059614	constant_power_B_reac	556.32	0.0	278.16	0.0
load	N_1700059615	constant_power_A	1837.9	604.09	918.95	302.045
load	N_1700059615	constant_power_B	1837.9	604.09	918.95	302.045
load	N_1700059615	constant_power_A_real	1837.9	0.0	918.95	0.0
load	N_1700059615	constant_power_B_real	1837.9	0.0	918.95	0.0
load	N_1700059615	constant_power_A_reac	604.09	0.0	302.045	0.0
load	N_1700059615	constant_power_B_reac	604.09	0.0	302.045	0.0
load	N_1700008757	constant_power_A	282.599	92.8859	141.2995	46.44295
load	N_1700008757	constant_power_B	282.599	92.8859	141.2995	46.44295
load	N_1700008757	constant_power_C	282.599	92.8859	141.2995	46.44295
load	N_1700008757	constant_power_A_real	282.599	0.0	141.2995	0.0
load	N_1700008757	constant_power_B_real	282.599	0.0	141.2995	0.0
load	N_1700008757	constant_power_C_real	282.599	0.0	141.2995	0.0
load	N_1700008757	constant_power_A_reac	92.8859	0.0	46.44295	0.0
load	N_1700008757	constant_power_B_reac	92.8859	0.0	46.44295	0.0
load	N_1700008757	constant_power_C_reac	92.8859	0.0	46.44295	0.0
load	N_1700073631	constant_power_A	1255.55	498.458	627.775	249.229
load	N_1700073631	constant_power_B	1255.55	498.458	627.775	249.229
load	N_1700073631	constant_power_C	1255.55	498.458	627.775	249.229

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700073631	constant_power_A_real	1255.55	0.0	627.775	0.0
load	N_1700073631	constant_power_B_real	1255.55	0.0	627.775	0.0
load	N_1700073631	constant_power_C_real	1255.55	0.0	627.775	0.0
load	N_1700073631	constant_power_A_reac	498.458	0.0	249.229	0.0
load	N_1700073631	constant_power_B_reac	498.458	0.0	249.229	0.0
load	N_1700073631	constant_power_C_reac	498.458	0.0	249.229	0.0
load	N_1700069593	constant_power_A	5068.62	1665.98	2534.31	832.99
load	N_1700069593	constant_power_A_real	5068.62	0.0	2534.31	0.0
load	N_1700069593	constant_power_A_reac	1665.98	0.0	832.99	0.0
load	N_1700093981	constant_power_A	288.655	94.8763	144.3275	47.43815
load	N_1700093981	constant_power_B	288.655	94.8763	144.3275	47.43815
load	N_1700093981	constant_power_C	288.655	94.8763	144.3275	47.43815
load	N_1700093981	constant_power_A_real	288.655	0.0	144.3275	0.0
load	N_1700093981	constant_power_B_real	288.655	0.0	144.3275	0.0
load	N_1700093981	constant_power_C_real	288.655	0.0	144.3275	0.0
load	N_1700093981	constant_power_A_reac	94.8763	0.0	47.43815	0.0
load	N_1700093981	constant_power_B_reac	94.8763	0.0	47.43815	0.0
load	N_1700093981	constant_power_C_reac	94.8763	0.0	47.43815	0.0
load	N_1700069203	constant_power_A	575.292	189.089	287.646	94.5445
load	N_1700069203	constant_power_B	575.292	189.089	287.646	94.5445
load	N_1700069203	constant_power_C	575.292	189.089	287.646	94.5445
load	N_1700069203	constant_power_A_real	575.292	0.0	287.646	0.0
load	N_1700069203	constant_power_B_real	575.292	0.0	287.646	0.0
load	N_1700069203	constant_power_C_real	575.292	0.0	287.646	0.0
load	N_1700069203	constant_power_A_reac	189.089	0.0	94.5445	0.0
load	N_1700069203	constant_power_B_reac	189.089	0.0	94.5445	0.0
load	N_1700069203	constant_power_C_reac	189.089	0.0	94.5445	0.0
load	N_1700022791	constant_power_A	1280.78	420.972	640.39	210.486
load	N_1700022791	constant_power_B	1280.78	420.972	640.39	210.486
load	N_1700022791	constant_power_A_real	1280.78	0.0	640.39	0.0
load	N_1700022791	constant_power_B_real	1280.78	0.0	640.39	0.0
load	N_1700022791	constant_power_A_reac	420.972	0.0	210.486	0.0
load	N_1700022791	constant_power_B_reac	420.972	0.0	210.486	0.0
load	N_1700113960	constant_power_A	769.074	339.149	384.537	169.5745
load	N_1700113960	constant_power_B	769.074	339.149	384.537	169.5745
load	N_1700113960	constant_power_C	769.074	339.149	384.537	169.5745
load	N_1700113960	constant_power_A_real	769.074	0.0	384.537	0.0
load	N_1700113960	constant_power_B_real	769.074	0.0	384.537	0.0
load	N_1700113960	constant_power_C_real	769.074	0.0	384.537	0.0
load	N_1700113960	constant_power_A_reac	339.149	0.0	169.5745	0.0
load	N_1700113960	constant_power_B_reac	339.149	0.0	169.5745	0.0
load	N_1700113960	constant_power_C_reac	339.149	0.0	169.5745	0.0
load	N_1700070470	constant_power_A	278.562	91.5589	139.281	45.77945
load	N_1700070470	constant_power_B	278.562	91.5589	139.281	45.77945
load	N_1700070470	constant_power_A_real	278.562	0.0	139.281	0.0
load	N_1700070470	constant_power_B_real	278.562	0.0	139.281	0.0
load	N_1700070470	constant_power_A_reac	91.5589	0.0	45.77945	0.0
load	N_1700070470	constant_power_B_reac	91.5589	0.0	45.77945	0.0
load	N_1700061904	constant_power_A	540.976	177.81	270.488	88.905
load	N_1700061904	constant_power_B	540.976	177.81	270.488	88.905
load	N_1700061904	constant_power_C	540.976	177.81	270.488	88.905
load	N_1700061904	constant_power_A_real	540.976	0.0	270.488	0.0
load	N_1700061904	constant_power_B_real	540.976	0.0	270.488	0.0
load	N_1700061904	constant_power_C_real	540.976	0.0	270.488	0.0
load	N_1700061904	constant_power_A_reac	177.81	0.0	88.905	0.0
load	N_1700061904	constant_power_B_reac	177.81	0.0	88.905	0.0
load	N_1700061904	constant_power_C_reac	177.81	0.0	88.905	0.0
load	N_1700096156	constant_power_A	1348.4	443.199	674.2	221.5995
load	N_1700096156	constant_power_B	1348.4	443.199	674.2	221.5995
load	N_1700096156	constant_power_C	1348.4	443.199	674.2	221.5995
load	N_1700096156	constant_power_A_real	1348.4	0.0	674.2	0.0
load	N_1700096156	constant_power_B_real	1348.4	0.0	674.2	0.0
load	N_1700096156	constant_power_C_real	1348.4	0.0	674.2	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700096156	constant_power_A_reac	443.199	0.0	221.5995	0.0
load	N_1700096156	constant_power_B_reac	443.199	0.0	221.5995	0.0
load	N_1700096156	constant_power_C_reac	443.199	0.0	221.5995	0.0
load	N_1700061901	constant_power_A	187.727	61.7028	93.8635	30.8514
load	N_1700061901	constant_power_B	187.727	61.7028	93.8635	30.8514
load	N_1700061901	constant_power_C	187.727	61.7028	93.8635	30.8514
load	N_1700061901	constant_power_A_real	187.727	0.0	93.8635	0.0
load	N_1700061901	constant_power_B_real	187.727	0.0	93.8635	0.0
load	N_1700061901	constant_power_C_real	187.727	0.0	93.8635	0.0
load	N_1700061901	constant_power_A_reac	61.7028	0.0	30.8514	0.0
load	N_1700061901	constant_power_B_reac	61.7028	0.0	30.8514	0.0
load	N_1700061901	constant_power_C_reac	61.7028	0.0	30.8514	0.0
load	N_1700061903	constant_power_A	1124.34	369.553	562.17	184.7765
load	N_1700061903	constant_power_B	1124.34	369.553	562.17	184.7765
load	N_1700061903	constant_power_C	1124.34	369.553	562.17	184.7765
load	N_1700061903	constant_power_A_real	1124.34	0.0	562.17	0.0
load	N_1700061903	constant_power_B_real	1124.34	0.0	562.17	0.0
load	N_1700061903	constant_power_C_real	1124.34	0.0	562.17	0.0
load	N_1700061903	constant_power_A_reac	369.553	0.0	184.7765	0.0
load	N_1700061903	constant_power_B_reac	369.553	0.0	184.7765	0.0
load	N_1700061903	constant_power_C_reac	369.553	0.0	184.7765	0.0
load	N_1700061902	constant_power_A	1622.93	533.431	811.465	266.7155
load	N_1700061902	constant_power_B	1622.93	533.431	811.465	266.7155
load	N_1700061902	constant_power_C	1622.93	533.431	811.465	266.7155
load	N_1700061902	constant_power_A_real	1622.93	0.0	811.465	0.0
load	N_1700061902	constant_power_B_real	1622.93	0.0	811.465	0.0
load	N_1700061902	constant_power_C_real	1622.93	0.0	811.465	0.0
load	N_1700061902	constant_power_A_reac	533.431	0.0	266.7155	0.0
load	N_1700061902	constant_power_B_reac	533.431	0.0	266.7155	0.0
load	N_1700061902	constant_power_C_reac	533.431	0.0	266.7155	0.0
load	N_1700093504	constant_power_A	1423.09	467.747	711.545	233.8735
load	N_1700093504	constant_power_A_real	1423.09	0.0	711.545	0.0
load	N_1700093504	constant_power_A_reac	467.747	0.0	233.8735	0.0
load	N_1700093505	constant_power_A	1156.64	380.169	578.32	190.0845
load	N_1700093505	constant_power_A_real	1156.64	0.0	578.32	0.0
load	N_1700093505	constant_power_A_reac	380.169	0.0	190.0845	0.0
load	N_1700018648	constant_power_A	21.195	6.96646	10.5975	3.48323
load	N_1700018648	constant_power_B	21.195	6.96646	10.5975	3.48323
load	N_1700018648	constant_power_A_real	21.195	0.0	10.5975	0.0
load	N_1700018648	constant_power_B_real	21.195	0.0	10.5975	0.0
load	N_1700018648	constant_power_A_reac	6.96646	0.0	3.48323	0.0
load	N_1700018648	constant_power_B_reac	6.96646	0.0	3.48323	0.0
load	N_1700093507	constant_power_A	324.989	106.819	162.4945	53.4095
load	N_1700093507	constant_power_B	324.989	106.819	162.4945	53.4095
load	N_1700093507	constant_power_C	324.989	106.819	162.4945	53.4095
load	N_1700093507	constant_power_A_real	324.989	0.0	162.4945	0.0
load	N_1700093507	constant_power_B_real	324.989	0.0	162.4945	0.0
load	N_1700093507	constant_power_C_real	324.989	0.0	162.4945	0.0
load	N_1700093507	constant_power_A_reac	106.819	0.0	53.4095	0.0
load	N_1700093507	constant_power_B_reac	106.819	0.0	53.4095	0.0
load	N_1700093507	constant_power_C_reac	106.819	0.0	53.4095	0.0
load	N_1700018642	constant_power_A	5892.2	1936.67	2946.1	968.335
load	N_1700018642	constant_power_A_real	5892.2	0.0	2946.1	0.0
load	N_1700018642	constant_power_A_reac	1936.67	0.0	968.335	0.0
load	N_1700093509	constant_power_A	1148.56	377.515	574.28	188.7575
load	N_1700093509	constant_power_B	1148.56	377.515	574.28	188.7575
load	N_1700093509	constant_power_C	1148.56	377.515	574.28	188.7575
load	N_1700093509	constant_power_A_real	1148.56	0.0	574.28	0.0
load	N_1700093509	constant_power_B_real	1148.56	0.0	574.28	0.0
load	N_1700093509	constant_power_C_real	1148.56	0.0	574.28	0.0
load	N_1700093509	constant_power_A_reac	377.515	0.0	188.7575	0.0
load	N_1700093509	constant_power_B_reac	377.515	0.0	188.7575	0.0
load	N_1700093509	constant_power_C_reac	377.515	0.0	188.7575	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093972	constant_power_A	3.028	0.995255	1.514	0.4976275
load	N_1700093972	constant_power_B	3.028	0.995255	1.514	0.4976275
load	N_1700093972	constant_power_A_real	3.028	0.0	1.514	0.0
load	N_1700093972	constant_power_B_real	3.028	0.0	1.514	0.0
load	N_1700093972	constant_power_A_reac	0.995255	0.0	0.4976275	0.0
load	N_1700093972	constant_power_B_reac	0.995255	0.0	0.4976275	0.0
load	N_1700070469	constant_power_A	296.729	183.896	148.3645	91.948
load	N_1700070469	constant_power_B	296.729	183.896	148.3645	91.948
load	N_1700070469	constant_power_A_real	296.729	0.0	148.3645	0.0
load	N_1700070469	constant_power_B_real	296.729	0.0	148.3645	0.0
load	N_1700070469	constant_power_A_reac	183.896	0.0	91.948	0.0
load	N_1700070469	constant_power_B_reac	183.896	0.0	91.948	0.0
load	N_1700091795	constant_power_A	619.7	203.686	309.85	101.843
load	N_1700091795	constant_power_B	619.7	203.686	309.85	101.843
load	N_1700091795	constant_power_C	619.7	203.686	309.85	101.843
load	N_1700091795	constant_power_A_real	619.7	0.0	309.85	0.0
load	N_1700091795	constant_power_B_real	619.7	0.0	309.85	0.0
load	N_1700091795	constant_power_C_real	619.7	0.0	309.85	0.0
load	N_1700091795	constant_power_A_reac	203.686	0.0	101.843	0.0
load	N_1700091795	constant_power_B_reac	203.686	0.0	101.843	0.0
load	N_1700091795	constant_power_C_reac	203.686	0.0	101.843	0.0
load	N_1700091794	constant_power_A	76.7057	25.2119	38.35285	12.60595
load	N_1700091794	constant_power_B	76.7057	25.2119	38.35285	12.60595
load	N_1700091794	constant_power_C	76.7057	25.2119	38.35285	12.60595
load	N_1700091794	constant_power_A_real	76.7057	0.0	38.35285	0.0
load	N_1700091794	constant_power_B_real	76.7057	0.0	38.35285	0.0
load	N_1700091794	constant_power_C_real	76.7057	0.0	38.35285	0.0
load	N_1700091794	constant_power_A_reac	25.2119	0.0	12.60595	0.0
load	N_1700091794	constant_power_B_reac	25.2119	0.0	12.60595	0.0
load	N_1700091794	constant_power_C_reac	25.2119	0.0	12.60595	0.0
load	N_1700091793	constant_power_A	403.713	132.694	201.8565	66.347
load	N_1700091793	constant_power_B	403.713	132.694	201.8565	66.347
load	N_1700091793	constant_power_C	403.713	132.694	201.8565	66.347
load	N_1700091793	constant_power_A_real	403.713	0.0	201.8565	0.0
load	N_1700091793	constant_power_B_real	403.713	0.0	201.8565	0.0
load	N_1700091793	constant_power_C_real	403.713	0.0	201.8565	0.0
load	N_1700091793	constant_power_A_reac	132.694	0.0	66.347	0.0
load	N_1700091793	constant_power_B_reac	132.694	0.0	66.347	0.0
load	N_1700091793	constant_power_C_reac	132.694	0.0	66.347	0.0
load	N_1700094449	constant_power_A	5859.9	3631.64	2929.95	1815.82
load	N_1700094449	constant_power_B	5859.9	3631.64	2929.95	1815.82
load	N_1700094449	constant_power_C	5859.9	3631.64	2929.95	1815.82
load	N_1700094449	constant_power_A_real	5859.9	0.0	2929.95	0.0
load	N_1700094449	constant_power_B_real	5859.9	0.0	2929.95	0.0
load	N_1700094449	constant_power_C_real	5859.9	0.0	2929.95	0.0
load	N_1700094449	constant_power_A_reac	3631.64	0.0	1815.82	0.0
load	N_1700094449	constant_power_B_reac	3631.64	0.0	1815.82	0.0
load	N_1700094449	constant_power_C_reac	3631.64	0.0	1815.82	0.0
load	N_1700091791	constant_power_A	728.703	239.513	364.3515	119.7565
load	N_1700091791	constant_power_B	728.703	239.513	364.3515	119.7565
load	N_1700091791	constant_power_C	728.703	239.513	364.3515	119.7565
load	N_1700091791	constant_power_A_real	728.703	0.0	364.3515	0.0
load	N_1700091791	constant_power_B_real	728.703	0.0	364.3515	0.0
load	N_1700091791	constant_power_C_real	728.703	0.0	364.3515	0.0
load	N_1700091791	constant_power_A_reac	239.513	0.0	119.7565	0.0
load	N_1700091791	constant_power_B_reac	239.513	0.0	119.7565	0.0
load	N_1700091791	constant_power_C_reac	239.513	0.0	119.7565	0.0
load	N_1700093954	constant_power_A	1217.2	400.073	608.6	200.0365
load	N_1700093954	constant_power_A_real	1217.2	0.0	608.6	0.0
load	N_1700093954	constant_power_A_reac	400.073	0.0	200.0365	0.0
load	N_1700079270	constant_power_A	12610.0	7814.97	6305.0	3907.485
load	N_1700079270	constant_power_B	12610.0	7814.97	6305.0	3907.485
load	N_1700079270	constant_power_C	12610.0	7814.97	6305.0	3907.485

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700079270	constant_power_A_real	12610.0	0.0	6305.0	0.0
load	N_1700079270	constant_power_B_real	12610.0	0.0	6305.0	0.0
load	N_1700079270	constant_power_C_real	12610.0	0.0	6305.0	0.0
load	N_1700079270	constant_power_A_reac	7814.97	0.0	3907.485	0.0
load	N_1700079270	constant_power_B_reac	7814.97	0.0	3907.485	0.0
load	N_1700079270	constant_power_C_reac	7814.97	0.0	3907.485	0.0
load	N_1700087551	constant_power_C	2283.0	750.385	1141.5	375.1925
load	N_1700087551	constant_power_C_real	2283.0	0.0	1141.5	0.0
load	N_1700087551	constant_power_C_reac	750.385	0.0	375.1925	0.0
load	N_1700008893	constant_power_A	12949.1	8025.14	6474.55	4012.57
load	N_1700008893	constant_power_B	12949.1	8025.14	6474.55	4012.57
load	N_1700008893	constant_power_C	12949.1	8025.14	6474.55	4012.57
load	N_1700008893	constant_power_A_real	12949.1	0.0	6474.55	0.0
load	N_1700008893	constant_power_B_real	12949.1	0.0	6474.55	0.0
load	N_1700008893	constant_power_C_real	12949.1	0.0	6474.55	0.0
load	N_1700008893	constant_power_A_reac	8025.14	0.0	4012.57	0.0
load	N_1700008893	constant_power_B_reac	8025.14	0.0	4012.57	0.0
load	N_1700008893	constant_power_C_reac	8025.14	0.0	4012.57	0.0
load	N_1700009035	constant_power_A	3796.92	2353.12	1898.46	1176.56
load	N_1700009035	constant_power_A_real	3796.92	0.0	1898.46	0.0
load	N_1700009035	constant_power_A_reac	2353.12	0.0	1176.56	0.0
load	N_1700092797	constant_power_A	335.082	110.136	167.541	55.068
load	N_1700092797	constant_power_B	335.082	110.136	167.541	55.068
load	N_1700092797	constant_power_C	335.082	110.136	167.541	55.068
load	N_1700092797	constant_power_A_real	335.082	0.0	167.541	0.0
load	N_1700092797	constant_power_B_real	335.082	0.0	167.541	0.0
load	N_1700092797	constant_power_C_real	335.082	0.0	167.541	0.0
load	N_1700092797	constant_power_A_reac	110.136	0.0	55.068	0.0
load	N_1700092797	constant_power_B_reac	110.136	0.0	55.068	0.0
load	N_1700092797	constant_power_C_reac	110.136	0.0	55.068	0.0
load	N_1700092794	constant_power_A	2244.65	801.232	1122.325	400.616
load	N_1700092794	constant_power_B	2244.65	801.232	1122.325	400.616
load	N_1700092794	constant_power_C	2244.65	801.232	1122.325	400.616
load	N_1700092794	constant_power_A_real	2244.65	0.0	1122.325	0.0
load	N_1700092794	constant_power_B_real	2244.65	0.0	1122.325	0.0
load	N_1700092794	constant_power_C_real	2244.65	0.0	1122.325	0.0
load	N_1700092794	constant_power_A_reac	801.232	0.0	400.616	0.0
load	N_1700092794	constant_power_B_reac	801.232	0.0	400.616	0.0
load	N_1700092794	constant_power_C_reac	801.232	0.0	400.616	0.0
load	N_1700092795	constant_power_A	5104.96	1677.92	2552.48	838.96
load	N_1700092795	constant_power_B	5104.96	1677.92	2552.48	838.96
load	N_1700092795	constant_power_A_real	5104.96	0.0	2552.48	0.0
load	N_1700092795	constant_power_B_real	5104.96	0.0	2552.48	0.0
load	N_1700092795	constant_power_A_reac	1677.92	0.0	838.96	0.0
load	N_1700092795	constant_power_B_reac	1677.92	0.0	838.96	0.0
load	N_1700092792	constant_power_A	781.185	329.616	390.5925	164.808
load	N_1700092792	constant_power_B	781.185	329.616	390.5925	164.808
load	N_1700092792	constant_power_C	781.185	329.616	390.5925	164.808
load	N_1700092792	constant_power_A_real	781.185	0.0	390.5925	0.0
load	N_1700092792	constant_power_B_real	781.185	0.0	390.5925	0.0
load	N_1700092792	constant_power_C_real	781.185	0.0	390.5925	0.0
load	N_1700092792	constant_power_A_reac	329.616	0.0	164.808	0.0
load	N_1700092792	constant_power_B_reac	329.616	0.0	164.808	0.0
load	N_1700092792	constant_power_C_reac	329.616	0.0	164.808	0.0
load	N_1700093097	constant_power_A	950.745	312.495	475.3725	156.2475
load	N_1700093097	constant_power_B	950.745	312.495	475.3725	156.2475
load	N_1700093097	constant_power_A_real	950.745	0.0	475.3725	0.0
load	N_1700093097	constant_power_B_real	950.745	0.0	475.3725	0.0
load	N_1700093097	constant_power_A_reac	312.495	0.0	156.2475	0.0
load	N_1700093097	constant_power_B_reac	312.495	0.0	156.2475	0.0
load	N_1700091742	constant_power_A	698.424	432.845	349.212	216.4225
load	N_1700091742	constant_power_B	698.424	432.845	349.212	216.4225
load	N_1700091742	constant_power_C	698.424	432.845	349.212	216.4225

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700091742	constant_power_A_real	698.424	0.0	349.212	0.0
load	N_1700091742	constant_power_B_real	698.424	0.0	349.212	0.0
load	N_1700091742	constant_power_C_real	698.424	0.0	349.212	0.0
load	N_1700091742	constant_power_A_reac	432.845	0.0	216.4225	0.0
load	N_1700091742	constant_power_B_reac	432.845	0.0	216.4225	0.0
load	N_1700091742	constant_power_C_reac	432.845	0.0	216.4225	0.0
load	N_1700092798	constant_power_A	538.957	264.1	269.4785	132.05
load	N_1700092798	constant_power_B	538.957	264.1	269.4785	132.05
load	N_1700092798	constant_power_C	538.957	264.1	269.4785	132.05
load	N_1700092798	constant_power_A_real	538.957	0.0	269.4785	0.0
load	N_1700092798	constant_power_B_real	538.957	0.0	269.4785	0.0
load	N_1700092798	constant_power_C_real	538.957	0.0	269.4785	0.0
load	N_1700092798	constant_power_A_reac	264.1	0.0	132.05	0.0
load	N_1700092798	constant_power_B_reac	264.1	0.0	132.05	0.0
load	N_1700092798	constant_power_C_reac	264.1	0.0	132.05	0.0
load	N_1700092804	constant_power_A	213.968	76.7908	106.984	38.3954
load	N_1700092804	constant_power_B	213.968	76.7908	106.984	38.3954
load	N_1700092804	constant_power_C	213.968	76.7908	106.984	38.3954
load	N_1700092804	constant_power_A_real	213.968	0.0	106.984	0.0
load	N_1700092804	constant_power_B_real	213.968	0.0	106.984	0.0
load	N_1700092804	constant_power_C_real	213.968	0.0	106.984	0.0
load	N_1700092804	constant_power_A_reac	76.7908	0.0	38.3954	0.0
load	N_1700092804	constant_power_B_reac	76.7908	0.0	38.3954	0.0
load	N_1700092804	constant_power_C_reac	76.7908	0.0	38.3954	0.0
load	N_1700010504	constant_power_A	8851.42	5485.62	4425.71	2742.81
load	N_1700010504	constant_power_B	8851.42	5485.62	4425.71	2742.81
load	N_1700010504	constant_power_C	8851.42	5485.62	4425.71	2742.81
load	N_1700010504	constant_power_A_real	8851.42	0.0	4425.71	0.0
load	N_1700010504	constant_power_B_real	8851.42	0.0	4425.71	0.0
load	N_1700010504	constant_power_C_real	8851.42	0.0	4425.71	0.0
load	N_1700010504	constant_power_A_reac	5485.62	0.0	2742.81	0.0
load	N_1700010504	constant_power_B_reac	5485.62	0.0	2742.81	0.0
load	N_1700010504	constant_power_C_reac	5485.62	0.0	2742.81	0.0
load	N_1700094605	constant_power_A	2575.69	1596.27	1287.845	798.135
load	N_1700094605	constant_power_B	2575.69	1596.27	1287.845	798.135
load	N_1700094605	constant_power_C	2575.69	1596.27	1287.845	798.135
load	N_1700094605	constant_power_A_real	2575.69	0.0	1287.845	0.0
load	N_1700094605	constant_power_B_real	2575.69	0.0	1287.845	0.0
load	N_1700094605	constant_power_C_real	2575.69	0.0	1287.845	0.0
load	N_1700094605	constant_power_A_reac	1596.27	0.0	798.135	0.0
load	N_1700094605	constant_power_B_reac	1596.27	0.0	798.135	0.0
load	N_1700094605	constant_power_C_reac	1596.27	0.0	798.135	0.0
load	N_1700009395	constant_power_A	401.695	159.644	200.8475	79.822
load	N_1700009395	constant_power_B	401.695	159.644	200.8475	79.822
load	N_1700009395	constant_power_C	401.695	159.644	200.8475	79.822
load	N_1700009395	constant_power_A_real	401.695	0.0	200.8475	0.0
load	N_1700009395	constant_power_B_real	401.695	0.0	200.8475	0.0
load	N_1700009395	constant_power_C_real	401.695	0.0	200.8475	0.0
load	N_1700009395	constant_power_A_reac	159.644	0.0	79.822	0.0
load	N_1700009395	constant_power_B_reac	159.644	0.0	79.822	0.0
load	N_1700009395	constant_power_C_reac	159.644	0.0	79.822	0.0
load	N_1700077490	constant_power_A	151.393	93.8247	75.6965	46.91235
load	N_1700077490	constant_power_B	151.393	93.8247	75.6965	46.91235
load	N_1700077490	constant_power_C	151.393	93.8247	75.6965	46.91235
load	N_1700077490	constant_power_A_real	151.393	0.0	75.6965	0.0
load	N_1700077490	constant_power_B_real	151.393	0.0	75.6965	0.0
load	N_1700077490	constant_power_C_real	151.393	0.0	75.6965	0.0
load	N_1700077490	constant_power_A_reac	93.8247	0.0	46.91235	0.0
load	N_1700077490	constant_power_B_reac	93.8247	0.0	46.91235	0.0
load	N_1700077490	constant_power_C_reac	93.8247	0.0	46.91235	0.0
load	N_1700093022	constant_power_A	793.297	260.744	396.6485	130.372
load	N_1700093022	constant_power_A_real	793.297	0.0	396.6485	0.0
load	N_1700093022	constant_power_A_reac	260.744	0.0	130.372	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093388	constant_power_A	872.021	540.43	436.0105	270.215
load	N_1700093388	constant_power_B	872.021	540.43	436.0105	270.215
load	N_1700093388	constant_power_C	872.021	540.43	436.0105	270.215
load	N_1700093388	constant_power_A_real	872.021	0.0	436.0105	0.0
load	N_1700093388	constant_power_B_real	872.021	0.0	436.0105	0.0
load	N_1700093388	constant_power_C_real	872.021	0.0	436.0105	0.0
load	N_1700093388	constant_power_A_reac	540.43	0.0	270.215	0.0
load	N_1700093388	constant_power_B_reac	540.43	0.0	270.215	0.0
load	N_1700093388	constant_power_C_reac	540.43	0.0	270.215	0.0
load	N_1700093020	constant_power_A	611.626	201.032	305.813	100.516
load	N_1700093020	constant_power_B	611.626	201.032	305.813	100.516
load	N_1700093020	constant_power_A_real	611.626	0.0	305.813	0.0
load	N_1700093020	constant_power_B_real	611.626	0.0	305.813	0.0
load	N_1700093020	constant_power_A_reac	201.032	0.0	100.516	0.0
load	N_1700093020	constant_power_B_reac	201.032	0.0	100.516	0.0
load	N_1700093026	constant_power_A	1497.78	492.295	748.89	246.1475
load	N_1700093026	constant_power_B	1497.78	492.295	748.89	246.1475
load	N_1700093026	constant_power_C	1497.78	492.295	748.89	246.1475
load	N_1700093026	constant_power_A_real	1497.78	0.0	748.89	0.0
load	N_1700093026	constant_power_B_real	1497.78	0.0	748.89	0.0
load	N_1700093026	constant_power_C_real	1497.78	0.0	748.89	0.0
load	N_1700093026	constant_power_A_reac	492.295	0.0	246.1475	0.0
load	N_1700093026	constant_power_B_reac	492.295	0.0	246.1475	0.0
load	N_1700093026	constant_power_C_reac	492.295	0.0	246.1475	0.0
load	N_1700093025	constant_power_A	2228.5	1381.1	1114.25	690.55
load	N_1700093025	constant_power_A_real	2228.5	0.0	1114.25	0.0
load	N_1700093025	constant_power_A_reac	1381.1	0.0	690.55	0.0
load	N_1700093024	constant_power_A	4148.15	1363.43	2074.075	681.715
load	N_1700093024	constant_power_A_real	4148.15	0.0	2074.075	0.0
load	N_1700093024	constant_power_A_reac	1363.43	0.0	681.715	0.0
load	N_1700077499	constant_power_A	1301.98	427.939	650.99	213.9695
load	N_1700077499	constant_power_B	1301.98	427.939	650.99	213.9695
load	N_1700077499	constant_power_C	1301.98	427.939	650.99	213.9695
load	N_1700077499	constant_power_A_real	1301.98	0.0	650.99	0.0
load	N_1700077499	constant_power_B_real	1301.98	0.0	650.99	0.0
load	N_1700077499	constant_power_C_real	1301.98	0.0	650.99	0.0
load	N_1700077499	constant_power_A_reac	427.939	0.0	213.9695	0.0
load	N_1700077499	constant_power_B_reac	427.939	0.0	213.9695	0.0
load	N_1700077499	constant_power_C_reac	427.939	0.0	213.9695	0.0
load	N_1700093029	constant_power_A	302.785	99.5206	151.3925	49.7603
load	N_1700093029	constant_power_B	302.785	99.5206	151.3925	49.7603
load	N_1700093029	constant_power_C	302.785	99.5206	151.3925	49.7603
load	N_1700093029	constant_power_A_real	302.785	0.0	151.3925	0.0
load	N_1700093029	constant_power_B_real	302.785	0.0	151.3925	0.0
load	N_1700093029	constant_power_C_real	302.785	0.0	151.3925	0.0
load	N_1700093029	constant_power_A_reac	99.5206	0.0	49.7603	0.0
load	N_1700093029	constant_power_B_reac	99.5206	0.0	49.7603	0.0
load	N_1700093029	constant_power_C_reac	99.5206	0.0	49.7603	0.0
load	N_1700093028	constant_power_A	169.56	55.7317	84.78	27.86585
load	N_1700093028	constant_power_B	169.56	55.7317	84.78	27.86585
load	N_1700093028	constant_power_A_real	169.56	0.0	84.78	0.0
load	N_1700093028	constant_power_B_real	169.56	0.0	84.78	0.0
load	N_1700093028	constant_power_A_reac	55.7317	0.0	27.86585	0.0
load	N_1700093028	constant_power_B_reac	55.7317	0.0	27.86585	0.0
load	N_1700093387	constant_power_A	641.904	210.984	320.952	105.492
load	N_1700093387	constant_power_B	641.904	210.984	320.952	105.492
load	N_1700093387	constant_power_C	641.904	210.984	320.952	105.492
load	N_1700093387	constant_power_A_real	641.904	0.0	320.952	0.0
load	N_1700093387	constant_power_B_real	641.904	0.0	320.952	0.0
load	N_1700093387	constant_power_C_real	641.904	0.0	320.952	0.0
load	N_1700093387	constant_power_A_reac	210.984	0.0	105.492	0.0
load	N_1700093387	constant_power_B_reac	210.984	0.0	105.492	0.0
load	N_1700093387	constant_power_C_reac	210.984	0.0	105.492	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093385	constant_power_A	215.987	70.9914	107.9935	35.4957
load	N_1700093385	constant_power_B	215.987	70.9914	107.9935	35.4957
load	N_1700093385	constant_power_C	215.987	70.9914	107.9935	35.4957
load	N_1700093385	constant_power_A_real	215.987	0.0	107.9935	0.0
load	N_1700093385	constant_power_B_real	215.987	0.0	107.9935	0.0
load	N_1700093385	constant_power_C_real	215.987	0.0	107.9935	0.0
load	N_1700093385	constant_power_A_reac	70.9914	0.0	35.4957	0.0
load	N_1700093385	constant_power_B_reac	70.9914	0.0	35.4957	0.0
load	N_1700093385	constant_power_C_reac	70.9914	0.0	35.4957	0.0
load	N_1700069595	constant_power_A	7145.73	2348.69	3572.865	1174.345
load	N_1700069595	constant_power_A_real	7145.73	0.0	3572.865	0.0
load	N_1700069595	constant_power_A_reac	2348.69	0.0	1174.345	0.0
load	N_1700093599	constant_power_A	1147.56	527.883	573.78	263.9415
load	N_1700093599	constant_power_B	1147.56	527.883	573.78	263.9415
load	N_1700093599	constant_power_A_real	1147.56	0.0	573.78	0.0
load	N_1700093599	constant_power_B_real	1147.56	0.0	573.78	0.0
load	N_1700093599	constant_power_A_reac	527.883	0.0	263.9415	0.0
load	N_1700093599	constant_power_B_reac	527.883	0.0	263.9415	0.0
load	N_1700093598	constant_power_A	569.236	187.099	284.618	93.5495
load	N_1700093598	constant_power_B	569.236	187.099	284.618	93.5495
load	N_1700093598	constant_power_A_real	569.236	0.0	284.618	0.0
load	N_1700093598	constant_power_B_real	569.236	0.0	284.618	0.0
load	N_1700093598	constant_power_A_reac	187.099	0.0	93.5495	0.0
load	N_1700093598	constant_power_B_reac	187.099	0.0	93.5495	0.0
load	N_1700093592	constant_power_A	151.393	49.7604	75.6965	24.8802
load	N_1700093592	constant_power_B	151.393	49.7604	75.6965	24.8802
load	N_1700093592	constant_power_C	151.393	49.7604	75.6965	24.8802
load	N_1700093592	constant_power_A_real	151.393	0.0	75.6965	0.0
load	N_1700093592	constant_power_B_real	151.393	0.0	75.6965	0.0
load	N_1700093592	constant_power_C_real	151.393	0.0	75.6965	0.0
load	N_1700093592	constant_power_A_reac	49.7604	0.0	24.8802	0.0
load	N_1700093592	constant_power_B_reac	49.7604	0.0	24.8802	0.0
load	N_1700093592	constant_power_C_reac	49.7604	0.0	24.8802	0.0
load	N_1700092709	constant_power_A	425.918	139.992	212.959	69.996
load	N_1700092709	constant_power_B	425.918	139.992	212.959	69.996
load	N_1700092709	constant_power_C	425.918	139.992	212.959	69.996
load	N_1700092709	constant_power_A_real	425.918	0.0	212.959	0.0
load	N_1700092709	constant_power_B_real	425.918	0.0	212.959	0.0
load	N_1700092709	constant_power_C_real	425.918	0.0	212.959	0.0
load	N_1700092709	constant_power_A_reac	139.992	0.0	69.996	0.0
load	N_1700092709	constant_power_B_reac	139.992	0.0	69.996	0.0
load	N_1700092709	constant_power_C_reac	139.992	0.0	69.996	0.0
load	N_1700094583	constant_power_A	4644.72	2878.54	2322.36	1439.27
load	N_1700094583	constant_power_B	4644.72	2878.54	2322.36	1439.27
load	N_1700094583	constant_power_C	4644.72	2878.54	2322.36	1439.27
load	N_1700094583	constant_power_A_real	4644.72	0.0	2322.36	0.0
load	N_1700094583	constant_power_B_real	4644.72	0.0	2322.36	0.0
load	N_1700094583	constant_power_C_real	4644.72	0.0	2322.36	0.0
load	N_1700094583	constant_power_A_reac	2878.54	0.0	1439.27	0.0
load	N_1700094583	constant_power_B_reac	2878.54	0.0	1439.27	0.0
load	N_1700094583	constant_power_C_reac	2878.54	0.0	1439.27	0.0
load	N_1700019000	constant_power_A	638.876	209.988	319.438	104.994
load	N_1700019000	constant_power_B	638.876	209.988	319.438	104.994
load	N_1700019000	constant_power_A_real	638.876	0.0	319.438	0.0
load	N_1700019000	constant_power_B_real	638.876	0.0	319.438	0.0
load	N_1700019000	constant_power_A_reac	209.988	0.0	104.994	0.0
load	N_1700019000	constant_power_B_reac	209.988	0.0	104.994	0.0
load	N_1700070118	constant_power_A	504.642	165.868	252.321	82.934
load	N_1700070118	constant_power_B	504.642	165.868	252.321	82.934
load	N_1700070118	constant_power_C	504.642	165.868	252.321	82.934
load	N_1700070118	constant_power_A_real	504.642	0.0	252.321	0.0
load	N_1700070118	constant_power_B_real	504.642	0.0	252.321	0.0
load	N_1700070118	constant_power_C_real	504.642	0.0	252.321	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700070118	constant_power_A_reac	165.868	0.0	82.934	0.0
load	N_1700070118	constant_power_B_reac	165.868	0.0	82.934	0.0
load	N_1700070118	constant_power_C_reac	165.868	0.0	82.934	0.0
load	N_1700070119	constant_power_A	936.615	319.601	468.3075	159.8005
load	N_1700070119	constant_power_B	936.615	319.601	468.3075	159.8005
load	N_1700070119	constant_power_C	936.615	319.601	468.3075	159.8005
load	N_1700070119	constant_power_A_real	936.615	0.0	468.3075	0.0
load	N_1700070119	constant_power_B_real	936.615	0.0	468.3075	0.0
load	N_1700070119	constant_power_C_real	936.615	0.0	468.3075	0.0
load	N_1700070119	constant_power_A_reac	319.601	0.0	159.8005	0.0
load	N_1700070119	constant_power_B_reac	319.601	0.0	159.8005	0.0
load	N_1700070119	constant_power_C_reac	319.601	0.0	159.8005	0.0
load	N_1700093392	constant_power_A	294.711	96.8667	147.3555	48.43335
load	N_1700093392	constant_power_B	294.711	96.8667	147.3555	48.43335
load	N_1700093392	constant_power_C	294.711	96.8667	147.3555	48.43335
load	N_1700093392	constant_power_A_real	294.711	0.0	147.3555	0.0
load	N_1700093392	constant_power_B_real	294.711	0.0	147.3555	0.0
load	N_1700093392	constant_power_C_real	294.711	0.0	147.3555	0.0
load	N_1700093392	constant_power_A_reac	96.8667	0.0	48.43335	0.0
load	N_1700093392	constant_power_B_reac	96.8667	0.0	48.43335	0.0
load	N_1700093392	constant_power_C_reac	96.8667	0.0	48.43335	0.0
load	N_1700070114	constant_power_A	900.281	295.908	450.1405	147.954
load	N_1700070114	constant_power_B	900.281	295.908	450.1405	147.954
load	N_1700070114	constant_power_C	900.281	295.908	450.1405	147.954
load	N_1700070114	constant_power_A_real	900.281	0.0	450.1405	0.0
load	N_1700070114	constant_power_B_real	900.281	0.0	450.1405	0.0
load	N_1700070114	constant_power_C_real	900.281	0.0	450.1405	0.0
load	N_1700070114	constant_power_A_reac	295.908	0.0	147.954	0.0
load	N_1700070114	constant_power_B_reac	295.908	0.0	147.954	0.0
load	N_1700070114	constant_power_C_reac	295.908	0.0	147.954	0.0
load	N_1700070116	constant_power_A	84.7797	27.8657	42.38985	13.93285
load	N_1700070116	constant_power_B	84.7797	27.8657	42.38985	13.93285
load	N_1700070116	constant_power_C	84.7797	27.8657	42.38985	13.93285
load	N_1700070116	constant_power_A_real	84.7797	0.0	42.38985	0.0
load	N_1700070116	constant_power_B_real	84.7797	0.0	42.38985	0.0
load	N_1700070116	constant_power_C_real	84.7797	0.0	42.38985	0.0
load	N_1700070116	constant_power_A_reac	27.8657	0.0	13.93285	0.0
load	N_1700070116	constant_power_B_reac	27.8657	0.0	13.93285	0.0
load	N_1700070116	constant_power_C_reac	27.8657	0.0	13.93285	0.0
load	N_1700094663	constant_power_A	1834.88	1137.15	917.44	568.575
load	N_1700094663	constant_power_B	1834.88	1137.15	917.44	568.575
load	N_1700094663	constant_power_C	1834.88	1137.15	917.44	568.575
load	N_1700094663	constant_power_A_real	1834.88	0.0	917.44	0.0
load	N_1700094663	constant_power_B_real	1834.88	0.0	917.44	0.0
load	N_1700094663	constant_power_C_real	1834.88	0.0	917.44	0.0
load	N_1700094663	constant_power_A_reac	1137.15	0.0	568.575	0.0
load	N_1700094663	constant_power_B_reac	1137.15	0.0	568.575	0.0
load	N_1700094663	constant_power_C_reac	1137.15	0.0	568.575	0.0
load	N_1700070110	constant_power_A	567.217	186.435	283.6085	93.2175
load	N_1700070110	constant_power_B	567.217	186.435	283.6085	93.2175
load	N_1700070110	constant_power_C	567.217	186.435	283.6085	93.2175
load	N_1700070110	constant_power_A_real	567.217	0.0	283.6085	0.0
load	N_1700070110	constant_power_B_real	567.217	0.0	283.6085	0.0
load	N_1700070110	constant_power_C_real	567.217	0.0	283.6085	0.0
load	N_1700070110	constant_power_A_reac	186.435	0.0	93.2175	0.0
load	N_1700070110	constant_power_B_reac	186.435	0.0	93.2175	0.0
load	N_1700070110	constant_power_C_reac	186.435	0.0	93.2175	0.0
load	N_1700070111	constant_power_A	839.724	439.336	419.862	219.668
load	N_1700070111	constant_power_B	839.724	439.336	419.862	219.668
load	N_1700070111	constant_power_C	839.724	439.336	419.862	219.668
load	N_1700070111	constant_power_A_real	839.724	0.0	419.862	0.0
load	N_1700070111	constant_power_B_real	839.724	0.0	419.862	0.0
load	N_1700070111	constant_power_C_real	839.724	0.0	419.862	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700070111	constant_power_A_reac	439.336	0.0	219.668	0.0
load	N_1700070111	constant_power_B_reac	439.336	0.0	219.668	0.0
load	N_1700070111	constant_power_C_reac	439.336	0.0	219.668	0.0
load	N_1700070112	constant_power_A	74.687	46.2868	37.3435	23.1434
load	N_1700070112	constant_power_B	74.687	46.2868	37.3435	23.1434
load	N_1700070112	constant_power_C	74.687	46.2868	37.3435	23.1434
load	N_1700070112	constant_power_A_real	74.687	0.0	37.3435	0.0
load	N_1700070112	constant_power_B_real	74.687	0.0	37.3435	0.0
load	N_1700070112	constant_power_C_real	74.687	0.0	37.3435	0.0
load	N_1700070112	constant_power_A_reac	46.2868	0.0	23.1434	0.0
load	N_1700070112	constant_power_B_reac	46.2868	0.0	23.1434	0.0
load	N_1700070112	constant_power_C_reac	46.2868	0.0	23.1434	0.0
load	N_1700070113	constant_power_A	278.562	91.559	139.281	45.7795
load	N_1700070113	constant_power_B	278.562	91.559	139.281	45.7795
load	N_1700070113	constant_power_C	278.562	91.559	139.281	45.7795
load	N_1700070113	constant_power_A_real	278.562	0.0	139.281	0.0
load	N_1700070113	constant_power_B_real	278.562	0.0	139.281	0.0
load	N_1700070113	constant_power_C_real	278.562	0.0	139.281	0.0
load	N_1700070113	constant_power_A_reac	91.559	0.0	45.7795	0.0
load	N_1700070113	constant_power_B_reac	91.559	0.0	45.7795	0.0
load	N_1700070113	constant_power_C_reac	91.559	0.0	45.7795	0.0
load	N_1700010288	constant_power_A	1813.68	596.128	906.84	298.064
load	N_1700010288	constant_power_B	1813.68	596.128	906.84	298.064
load	N_1700010288	constant_power_A_real	1813.68	0.0	906.84	0.0
load	N_1700010288	constant_power_B_real	1813.68	0.0	906.84	0.0
load	N_1700010288	constant_power_A_reac	596.128	0.0	298.064	0.0
load	N_1700010288	constant_power_B_reac	596.128	0.0	298.064	0.0
load	N_1700046791	constant_power_A	66333.3	41109.7	33166.65	20554.85
load	N_1700046791	constant_power_B	66333.3	41109.7	33166.65	20554.85
load	N_1700046791	constant_power_C	66333.3	41109.7	33166.65	20554.85
load	N_1700046791	constant_power_A_real	66333.3	0.0	33166.65	0.0
load	N_1700046791	constant_power_B_real	66333.3	0.0	33166.65	0.0
load	N_1700046791	constant_power_C_real	66333.3	0.0	33166.65	0.0
load	N_1700046791	constant_power_A_reac	41109.7	0.0	20554.85	0.0
load	N_1700046791	constant_power_B_reac	41109.7	0.0	20554.85	0.0
load	N_1700046791	constant_power_C_reac	41109.7	0.0	20554.85	0.0
load	N_1700067717	constant_power_A	3772.7	1240.03	1886.35	620.015
load	N_1700067717	constant_power_A_real	3772.7	0.0	1886.35	0.0
load	N_1700067717	constant_power_A_reac	1240.03	0.0	620.015	0.0
load	N_1700094219	constant_power_A	427.936	140.656	213.968	70.328
load	N_1700094219	constant_power_B	427.936	140.656	213.968	70.328
load	N_1700094219	constant_power_C	427.936	140.656	213.968	70.328
load	N_1700094219	constant_power_A_real	427.936	0.0	213.968	0.0
load	N_1700094219	constant_power_B_real	427.936	0.0	213.968	0.0
load	N_1700094219	constant_power_C_real	427.936	0.0	213.968	0.0
load	N_1700094219	constant_power_A_reac	140.656	0.0	70.328	0.0
load	N_1700094219	constant_power_B_reac	140.656	0.0	70.328	0.0
load	N_1700094219	constant_power_C_reac	140.656	0.0	70.328	0.0
load	N_1700094218	constant_power_A	446.103	146.627	223.0515	73.3135
load	N_1700094218	constant_power_B	446.103	146.627	223.0515	73.3135
load	N_1700094218	constant_power_C	446.103	146.627	223.0515	73.3135
load	N_1700094218	constant_power_A_real	446.103	0.0	223.0515	0.0
load	N_1700094218	constant_power_B_real	446.103	0.0	223.0515	0.0
load	N_1700094218	constant_power_C_real	446.103	0.0	223.0515	0.0
load	N_1700094218	constant_power_A_reac	146.627	0.0	73.3135	0.0
load	N_1700094218	constant_power_B_reac	146.627	0.0	73.3135	0.0
load	N_1700094218	constant_power_C_reac	146.627	0.0	73.3135	0.0
load	N_1700092817	constant_power_A	226.08	140.112	113.04	70.056
load	N_1700092817	constant_power_B	226.08	140.112	113.04	70.056
load	N_1700092817	constant_power_C	226.08	140.112	113.04	70.056
load	N_1700092817	constant_power_A_real	226.08	0.0	113.04	0.0
load	N_1700092817	constant_power_B_real	226.08	0.0	113.04	0.0
load	N_1700092817	constant_power_C_real	226.08	0.0	113.04	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092817	constant_power_A_reac	140.112	0.0	70.056	0.0
load	N_1700092817	constant_power_B_reac	140.112	0.0	70.056	0.0
load	N_1700092817	constant_power_C_reac	140.112	0.0	70.056	0.0
load	N_1700011431	constant_power_A	396.648	130.372	198.324	65.186
load	N_1700011431	constant_power_B	396.648	130.372	198.324	65.186
load	N_1700011431	constant_power_A_real	396.648	0.0	198.324	0.0
load	N_1700011431	constant_power_B_real	396.648	0.0	198.324	0.0
load	N_1700011431	constant_power_A_reac	130.372	0.0	65.186	0.0
load	N_1700011431	constant_power_B_reac	130.372	0.0	65.186	0.0
load	N_1700021791	constant_power_A	36.3343	11.9425	18.16715	5.97125
load	N_1700021791	constant_power_B	36.3343	11.9425	18.16715	5.97125
load	N_1700021791	constant_power_C	36.3343	11.9425	18.16715	5.97125
load	N_1700021791	constant_power_A_real	36.3343	0.0	18.16715	0.0
load	N_1700021791	constant_power_B_real	36.3343	0.0	18.16715	0.0
load	N_1700021791	constant_power_C_real	36.3343	0.0	18.16715	0.0
load	N_1700021791	constant_power_A_reac	11.9425	0.0	5.97125	0.0
load	N_1700021791	constant_power_B_reac	11.9425	0.0	5.97125	0.0
load	N_1700021791	constant_power_C_reac	11.9425	0.0	5.97125	0.0
load	N_1700093847	constant_power_A	1564.39	514.19	782.195	257.095
load	N_1700093847	constant_power_B	1564.39	514.19	782.195	257.095
load	N_1700093847	constant_power_C	1564.39	514.19	782.195	257.095
load	N_1700093847	constant_power_A_real	1564.39	0.0	782.195	0.0
load	N_1700093847	constant_power_B_real	1564.39	0.0	782.195	0.0
load	N_1700093847	constant_power_C_real	1564.39	0.0	782.195	0.0
load	N_1700093847	constant_power_A_reac	514.19	0.0	257.095	0.0
load	N_1700093847	constant_power_B_reac	514.19	0.0	257.095	0.0
load	N_1700093847	constant_power_C_reac	514.19	0.0	257.095	0.0
load	N_1700011435	constant_power_A	2343.56	770.29	1171.78	385.145
load	N_1700011435	constant_power_B	2343.56	770.29	1171.78	385.145
load	N_1700011435	constant_power_A_real	2343.56	0.0	1171.78	0.0
load	N_1700011435	constant_power_B_real	2343.56	0.0	1171.78	0.0
load	N_1700011435	constant_power_A_reac	770.29	0.0	385.145	0.0
load	N_1700011435	constant_power_B_reac	770.29	0.0	385.145	0.0
load	N_1700093607	constant_power_A	5813.47	1910.8	2906.735	955.4
load	N_1700093607	constant_power_A_real	5813.47	0.0	2906.735	0.0
load	N_1700093607	constant_power_A_reac	1910.8	0.0	955.4	0.0
load	N_1700050996	constant_power_A	902.299	296.571	451.1495	148.2855
load	N_1700050996	constant_power_B	902.299	296.571	451.1495	148.2855
load	N_1700050996	constant_power_C	902.299	296.571	451.1495	148.2855
load	N_1700050996	constant_power_A_real	902.299	0.0	451.1495	0.0
load	N_1700050996	constant_power_B_real	902.299	0.0	451.1495	0.0
load	N_1700050996	constant_power_C_real	902.299	0.0	451.1495	0.0
load	N_1700050996	constant_power_A_reac	296.571	0.0	148.2855	0.0
load	N_1700050996	constant_power_B_reac	296.571	0.0	148.2855	0.0
load	N_1700050996	constant_power_C_reac	296.571	0.0	148.2855	0.0
load	N_1700093605	constant_power_A	127.17	41.7988	63.585	20.8994
load	N_1700093605	constant_power_B	127.17	41.7988	63.585	20.8994
load	N_1700093605	constant_power_A_real	127.17	0.0	63.585	0.0
load	N_1700093605	constant_power_B_real	127.17	0.0	63.585	0.0
load	N_1700093605	constant_power_A_reac	41.7988	0.0	20.8994	0.0
load	N_1700093605	constant_power_B_reac	41.7988	0.0	20.8994	0.0
load	N_1700280331	constant_power_A	597.496	196.387	298.748	98.1935
load	N_1700280331	constant_power_B	597.496	196.387	298.748	98.1935
load	N_1700280331	constant_power_C	597.496	196.387	298.748	98.1935
load	N_1700280331	constant_power_A_real	597.496	0.0	298.748	0.0
load	N_1700280331	constant_power_B_real	597.496	0.0	298.748	0.0
load	N_1700280331	constant_power_C_real	597.496	0.0	298.748	0.0
load	N_1700280331	constant_power_A_reac	196.387	0.0	98.1935	0.0
load	N_1700280331	constant_power_B_reac	196.387	0.0	98.1935	0.0
load	N_1700280331	constant_power_C_reac	196.387	0.0	98.1935	0.0
load	N_1700018283	constant_power_A	2234.55	734.462	1117.275	367.231
load	N_1700018283	constant_power_A_real	2234.55	0.0	1117.275	0.0
load	N_1700018283	constant_power_A_reac	734.462	0.0	367.231	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094223	constant_power_A	649.979	213.638	324.9895	106.819
load	N_1700094223	constant_power_B	649.979	213.638	324.9895	106.819
load	N_1700094223	constant_power_C	649.979	213.638	324.9895	106.819
load	N_1700094223	constant_power_A_real	649.979	0.0	324.9895	0.0
load	N_1700094223	constant_power_B_real	649.979	0.0	324.9895	0.0
load	N_1700094223	constant_power_C_real	649.979	0.0	324.9895	0.0
load	N_1700094223	constant_power_A_reac	213.638	0.0	106.819	0.0
load	N_1700094223	constant_power_B_reac	213.638	0.0	106.819	0.0
load	N_1700094223	constant_power_C_reac	213.638	0.0	106.819	0.0
load	N_1700093603	constant_power_A	855.872	281.312	427.936	140.656
load	N_1700093603	constant_power_B	855.872	281.312	427.936	140.656
load	N_1700093603	constant_power_C	855.872	281.312	427.936	140.656
load	N_1700093603	constant_power_A_real	855.872	0.0	427.936	0.0
load	N_1700093603	constant_power_B_real	855.872	0.0	427.936	0.0
load	N_1700093603	constant_power_C_real	855.872	0.0	427.936	0.0
load	N_1700093603	constant_power_A_reac	281.312	0.0	140.656	0.0
load	N_1700093603	constant_power_B_reac	281.312	0.0	140.656	0.0
load	N_1700093603	constant_power_C_reac	281.312	0.0	140.656	0.0
load	N_1700018885	constant_power_A	2157.85	1209.23	1078.925	604.615
load	N_1700018885	constant_power_B	2157.85	1209.23	1078.925	604.615
load	N_1700018885	constant_power_C	2157.85	1209.23	1078.925	604.615
load	N_1700018885	constant_power_A_real	2157.85	0.0	1078.925	0.0
load	N_1700018885	constant_power_B_real	2157.85	0.0	1078.925	0.0
load	N_1700018885	constant_power_C_real	2157.85	0.0	1078.925	0.0
load	N_1700018885	constant_power_A_reac	1209.23	0.0	604.615	0.0
load	N_1700018885	constant_power_B_reac	1209.23	0.0	604.615	0.0
load	N_1700018885	constant_power_C_reac	1209.23	0.0	604.615	0.0
load	N_1700062294	constant_power_A	230.117	75.6357	115.0585	37.81785
load	N_1700062294	constant_power_B	230.117	75.6357	115.0585	37.81785
load	N_1700062294	constant_power_C	230.117	75.6357	115.0585	37.81785
load	N_1700062294	constant_power_A_real	230.117	0.0	115.0585	0.0
load	N_1700062294	constant_power_B_real	230.117	0.0	115.0585	0.0
load	N_1700062294	constant_power_C_real	230.117	0.0	115.0585	0.0
load	N_1700062294	constant_power_A_reac	75.6357	0.0	37.81785	0.0
load	N_1700062294	constant_power_B_reac	75.6357	0.0	37.81785	0.0
load	N_1700062294	constant_power_C_reac	75.6357	0.0	37.81785	0.0
load	N_1700094589	constant_power_A	367.379	227.681	183.6895	113.8405
load	N_1700094589	constant_power_B	367.379	227.681	183.6895	113.8405
load	N_1700094589	constant_power_C	367.379	227.681	183.6895	113.8405
load	N_1700094589	constant_power_A_real	367.379	0.0	183.6895	0.0
load	N_1700094589	constant_power_B_real	367.379	0.0	183.6895	0.0
load	N_1700094589	constant_power_C_real	367.379	0.0	183.6895	0.0
load	N_1700094589	constant_power_A_reac	227.681	0.0	113.8405	0.0
load	N_1700094589	constant_power_B_reac	227.681	0.0	113.8405	0.0
load	N_1700094589	constant_power_C_reac	227.681	0.0	113.8405	0.0
load	N_1700111789	constant_power_A	787.241	258.754	393.6205	129.377
load	N_1700111789	constant_power_B	787.241	258.754	393.6205	129.377
load	N_1700111789	constant_power_A_real	787.241	0.0	393.6205	0.0
load	N_1700111789	constant_power_B_real	787.241	0.0	393.6205	0.0
load	N_1700111789	constant_power_A_reac	258.754	0.0	129.377	0.0
load	N_1700111789	constant_power_B_reac	258.754	0.0	129.377	0.0
load	N_1700091808	constant_power_A	1009.28	331.735	504.64	165.8675
load	N_1700091808	constant_power_B	1009.28	331.735	504.64	165.8675
load	N_1700091808	constant_power_C	1009.28	331.735	504.64	165.8675
load	N_1700091808	constant_power_A_real	1009.28	0.0	504.64	0.0
load	N_1700091808	constant_power_B_real	1009.28	0.0	504.64	0.0
load	N_1700091808	constant_power_C_real	1009.28	0.0	504.64	0.0
load	N_1700091808	constant_power_A_reac	331.735	0.0	165.8675	0.0
load	N_1700091808	constant_power_B_reac	331.735	0.0	165.8675	0.0
load	N_1700091808	constant_power_C_reac	331.735	0.0	165.8675	0.0
load	N_1700092176	constant_power_A	1037.54	341.024	518.77	170.512
load	N_1700092176	constant_power_B	1037.54	341.024	518.77	170.512
load	N_1700092176	constant_power_C	1037.54	341.024	518.77	170.512

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092176	constant_power_A_real	1037.54	0.0	518.77	0.0
load	N_1700092176	constant_power_B_real	1037.54	0.0	518.77	0.0
load	N_1700092176	constant_power_C_real	1037.54	0.0	518.77	0.0
load	N_1700092176	constant_power_A_reac	341.024	0.0	170.512	0.0
load	N_1700092176	constant_power_B_reac	341.024	0.0	170.512	0.0
load	N_1700092176	constant_power_C_reac	341.024	0.0	170.512	0.0
load	N_1700092175	constant_power_A	54.5013	17.9137	27.25065	8.95685
load	N_1700092175	constant_power_B	54.5013	17.9137	27.25065	8.95685
load	N_1700092175	constant_power_C	54.5013	17.9137	27.25065	8.95685
load	N_1700092175	constant_power_A_real	54.5013	0.0	27.25065	0.0
load	N_1700092175	constant_power_B_real	54.5013	0.0	27.25065	0.0
load	N_1700092175	constant_power_C_real	54.5013	0.0	27.25065	0.0
load	N_1700092175	constant_power_A_reac	17.9137	0.0	8.95685	0.0
load	N_1700092175	constant_power_B_reac	17.9137	0.0	8.95685	0.0
load	N_1700092175	constant_power_C_reac	17.9137	0.0	8.95685	0.0
load	N_1700111785	constant_power_A	1913.6	628.971	956.8	314.4855
load	N_1700111785	constant_power_A_real	1913.6	0.0	956.8	0.0
load	N_1700111785	constant_power_A_reac	628.971	0.0	314.4855	0.0
load	N_1700091784	constant_power_A	44.4083	27.5218	22.20415	13.7609
load	N_1700091784	constant_power_B	44.4083	27.5218	22.20415	13.7609
load	N_1700091784	constant_power_C	44.4083	27.5218	22.20415	13.7609
load	N_1700091784	constant_power_A_real	44.4083	0.0	22.20415	0.0
load	N_1700091784	constant_power_B_real	44.4083	0.0	22.20415	0.0
load	N_1700091784	constant_power_C_real	44.4083	0.0	22.20415	0.0
load	N_1700091784	constant_power_A_reac	27.5218	0.0	13.7609	0.0
load	N_1700091784	constant_power_B_reac	27.5218	0.0	13.7609	0.0
load	N_1700091784	constant_power_C_reac	27.5218	0.0	13.7609	0.0
load	N_1700091785	constant_power_A	561.162	184.445	280.581	92.2225
load	N_1700091785	constant_power_B	561.162	184.445	280.581	92.2225
load	N_1700091785	constant_power_C	561.162	184.445	280.581	92.2225
load	N_1700091785	constant_power_A_real	561.162	0.0	280.581	0.0
load	N_1700091785	constant_power_B_real	561.162	0.0	280.581	0.0
load	N_1700091785	constant_power_C_real	561.162	0.0	280.581	0.0
load	N_1700091785	constant_power_A_reac	184.445	0.0	92.2225	0.0
load	N_1700091785	constant_power_B_reac	184.445	0.0	92.2225	0.0
load	N_1700091785	constant_power_C_reac	184.445	0.0	92.2225	0.0
load	N_1700092774	constant_power_A	293.701	96.5349	146.8505	48.26745
load	N_1700092774	constant_power_B	293.701	96.5349	146.8505	48.26745
load	N_1700092774	constant_power_A_real	293.701	0.0	146.8505	0.0
load	N_1700092774	constant_power_B_real	293.701	0.0	146.8505	0.0
load	N_1700092774	constant_power_A_reac	96.5349	0.0	48.26745	0.0
load	N_1700092774	constant_power_B_reac	96.5349	0.0	48.26745	0.0
load	N_1700001435	constant_power_A	1733.95	1074.6	866.975	537.3
load	N_1700001435	constant_power_B	1733.95	1074.6	866.975	537.3
load	N_1700001435	constant_power_C	1733.95	1074.6	866.975	537.3
load	N_1700001435	constant_power_A_real	1733.95	0.0	866.975	0.0
load	N_1700001435	constant_power_B_real	1733.95	0.0	866.975	0.0
load	N_1700001435	constant_power_C_real	1733.95	0.0	866.975	0.0
load	N_1700001435	constant_power_A_reac	1074.6	0.0	537.3	0.0
load	N_1700001435	constant_power_B_reac	1074.6	0.0	537.3	0.0
load	N_1700001435	constant_power_C_reac	1074.6	0.0	537.3	0.0
load	N_1700117508	constant_power_A	3215.58	1056.91	1607.79	528.455
load	N_1700117508	constant_power_A_real	3215.58	0.0	1607.79	0.0
load	N_1700117508	constant_power_A_reac	1056.91	0.0	528.455	0.0
load	N_1700092773	constant_power_A	68.6313	42.5339	34.31565	21.26695
load	N_1700092773	constant_power_B	68.6313	42.5339	34.31565	21.26695
load	N_1700092773	constant_power_C	68.6313	42.5339	34.31565	21.26695
load	N_1700092773	constant_power_A_real	68.6313	0.0	34.31565	0.0
load	N_1700092773	constant_power_B_real	68.6313	0.0	34.31565	0.0
load	N_1700092773	constant_power_C_real	68.6313	0.0	34.31565	0.0
load	N_1700092773	constant_power_A_reac	42.5339	0.0	21.26695	0.0
load	N_1700092773	constant_power_B_reac	42.5339	0.0	21.26695	0.0
load	N_1700092773	constant_power_C_reac	42.5339	0.0	21.26695	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700008715	constant_power_A	125.151	77.5616	62.5755	38.7808
load	N_1700008715	constant_power_B	125.151	77.5616	62.5755	38.7808
load	N_1700008715	constant_power_C	125.151	77.5616	62.5755	38.7808
load	N_1700008715	constant_power_A_real	125.151	0.0	62.5755	0.0
load	N_1700008715	constant_power_B_real	125.151	0.0	62.5755	0.0
load	N_1700008715	constant_power_C_real	125.151	0.0	62.5755	0.0
load	N_1700008715	constant_power_A_reac	77.5616	0.0	38.7808	0.0
load	N_1700008715	constant_power_B_reac	77.5616	0.0	38.7808	0.0
load	N_1700008715	constant_power_C_reac	77.5616	0.0	38.7808	0.0
load	N_1700067719	constant_power_A	2404.11	790.194	1202.055	395.097
load	N_1700067719	constant_power_A_real	2404.11	0.0	1202.055	0.0
load	N_1700067719	constant_power_A_reac	790.194	0.0	395.097	0.0
load	N_1700092725	constant_power_A	1895.43	622.999	947.715	311.4995
load	N_1700092725	constant_power_A_real	1895.43	0.0	947.715	0.0
load	N_1700092725	constant_power_A_reac	622.999	0.0	311.4995	0.0
load	N_1700048112	constant_power_A	553.087	342.773	276.5435	171.3865
load	N_1700048112	constant_power_B	553.087	342.773	276.5435	171.3865
load	N_1700048112	constant_power_C	553.087	342.773	276.5435	171.3865
load	N_1700048112	constant_power_A_real	553.087	0.0	276.5435	0.0
load	N_1700048112	constant_power_B_real	553.087	0.0	276.5435	0.0
load	N_1700048112	constant_power_C_real	553.087	0.0	276.5435	0.0
load	N_1700048112	constant_power_A_reac	342.773	0.0	171.3865	0.0
load	N_1700048112	constant_power_B_reac	342.773	0.0	171.3865	0.0
load	N_1700048112	constant_power_C_reac	342.773	0.0	171.3865	0.0
load	N_1700010401	constant_power_A	514.735	169.185	257.3675	84.5925
load	N_1700010401	constant_power_B	514.735	169.185	257.3675	84.5925
load	N_1700010401	constant_power_C	514.735	169.185	257.3675	84.5925
load	N_1700010401	constant_power_A_real	514.735	0.0	257.3675	0.0
load	N_1700010401	constant_power_B_real	514.735	0.0	257.3675	0.0
load	N_1700010401	constant_power_C_real	514.735	0.0	257.3675	0.0
load	N_1700010401	constant_power_A_reac	169.185	0.0	84.5925	0.0
load	N_1700010401	constant_power_B_reac	169.185	0.0	84.5925	0.0
load	N_1700010401	constant_power_C_reac	169.185	0.0	84.5925	0.0
load	N_1700063767	constant_power_A	669.155	219.941	334.5775	109.9705
load	N_1700063767	constant_power_B	669.155	219.941	334.5775	109.9705
load	N_1700063767	constant_power_A_real	669.155	0.0	334.5775	0.0
load	N_1700063767	constant_power_B_real	669.155	0.0	334.5775	0.0
load	N_1700063767	constant_power_A_reac	219.941	0.0	109.9705	0.0
load	N_1700063767	constant_power_B_reac	219.941	0.0	109.9705	0.0
load	N_1700063766	constant_power_A	930.559	305.86	465.2795	152.93
load	N_1700063766	constant_power_B	930.559	305.86	465.2795	152.93
load	N_1700063766	constant_power_C	930.559	305.86	465.2795	152.93
load	N_1700063766	constant_power_A_real	930.559	0.0	465.2795	0.0
load	N_1700063766	constant_power_B_real	930.559	0.0	465.2795	0.0
load	N_1700063766	constant_power_C_real	930.559	0.0	465.2795	0.0
load	N_1700063766	constant_power_A_reac	305.86	0.0	152.93	0.0
load	N_1700063766	constant_power_B_reac	305.86	0.0	152.93	0.0
load	N_1700063766	constant_power_C_reac	305.86	0.0	152.93	0.0
load	N_1700063764	constant_power_A	415.825	136.675	207.9125	68.3375
load	N_1700063764	constant_power_B	415.825	136.675	207.9125	68.3375
load	N_1700063764	constant_power_C	415.825	136.675	207.9125	68.3375
load	N_1700063764	constant_power_A_real	415.825	0.0	207.9125	0.0
load	N_1700063764	constant_power_B_real	415.825	0.0	207.9125	0.0
load	N_1700063764	constant_power_C_real	415.825	0.0	207.9125	0.0
load	N_1700063764	constant_power_A_reac	136.675	0.0	68.3375	0.0
load	N_1700063764	constant_power_B_reac	136.675	0.0	68.3375	0.0
load	N_1700063764	constant_power_C_reac	136.675	0.0	68.3375	0.0
load	N_1700017948	constant_power_A	15000.0	9296.17	7500.0	4648.085
load	N_1700017948	constant_power_A_real	15000.0	0.0	7500.0	0.0
load	N_1700017948	constant_power_A_reac	9296.17	0.0	4648.085	0.0
load	N_1700063769	constant_power_A	118.086	38.813	59.043	19.4065
load	N_1700063769	constant_power_B	118.086	38.813	59.043	19.4065
load	N_1700063769	constant_power_A_real	118.086	0.0	59.043	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700063769	constant_power_B_real	118.086	0.0	59.043	0.0
load	N_1700063769	constant_power_A_reac	38.813	0.0	19.4065	0.0
load	N_1700063769	constant_power_B_reac	38.813	0.0	19.4065	0.0
load	N_1700009247	constant_power_A	14.13	8.75699	7.065	4.378495
load	N_1700009247	constant_power_B	14.13	8.75699	7.065	4.378495
load	N_1700009247	constant_power_C	14.13	8.75699	7.065	4.378495
load	N_1700009247	constant_power_A_real	14.13	0.0	7.065	0.0
load	N_1700009247	constant_power_B_real	14.13	0.0	7.065	0.0
load	N_1700009247	constant_power_C_real	14.13	0.0	7.065	0.0
load	N_1700009247	constant_power_A_reac	8.75699	0.0	4.378495	0.0
load	N_1700009247	constant_power_B_reac	8.75699	0.0	4.378495	0.0
load	N_1700009247	constant_power_C_reac	8.75699	0.0	4.378495	0.0
load	N_1700017821	constant_power_A	647.96	212.974	323.98	106.487
load	N_1700017821	constant_power_B	647.96	212.974	323.98	106.487
load	N_1700017821	constant_power_C	647.96	212.974	323.98	106.487
load	N_1700017821	constant_power_A_real	647.96	0.0	323.98	0.0
load	N_1700017821	constant_power_B_real	647.96	0.0	323.98	0.0
load	N_1700017821	constant_power_C_real	647.96	0.0	323.98	0.0
load	N_1700017821	constant_power_A_reac	212.974	0.0	106.487	0.0
load	N_1700017821	constant_power_B_reac	212.974	0.0	106.487	0.0
load	N_1700017821	constant_power_C_reac	212.974	0.0	106.487	0.0
load	N_1700018056	constant_power_A	109.003	35.8274	54.5015	17.9137
load	N_1700018056	constant_power_B	109.003	35.8274	54.5015	17.9137
load	N_1700018056	constant_power_C	109.003	35.8274	54.5015	17.9137
load	N_1700018056	constant_power_A_real	109.003	0.0	54.5015	0.0
load	N_1700018056	constant_power_B_real	109.003	0.0	54.5015	0.0
load	N_1700018056	constant_power_C_real	109.003	0.0	54.5015	0.0
load	N_1700018056	constant_power_A_reac	35.8274	0.0	17.9137	0.0
load	N_1700018056	constant_power_B_reac	35.8274	0.0	17.9137	0.0
load	N_1700018056	constant_power_C_reac	35.8274	0.0	17.9137	0.0
load	N_1700093549	constant_power_A	1332.25	437.891	666.125	218.9455
load	N_1700093549	constant_power_A_real	1332.25	0.0	666.125	0.0
load	N_1700093549	constant_power_A_reac	437.891	0.0	218.9455	0.0
load	N_1700056616	constant_power_A	1674.4	550.349	837.2	275.1745
load	N_1700056616	constant_power_B	1674.4	550.349	837.2	275.1745
load	N_1700056616	constant_power_A_real	1674.4	0.0	837.2	0.0
load	N_1700056616	constant_power_B_real	1674.4	0.0	837.2	0.0
load	N_1700056616	constant_power_A_reac	550.349	0.0	275.1745	0.0
load	N_1700056616	constant_power_B_reac	550.349	0.0	275.1745	0.0
load	N_1700119985	constant_power_A	657.044	215.96	328.522	107.98
load	N_1700119985	constant_power_B	657.044	215.96	328.522	107.98
load	N_1700119985	constant_power_A_real	657.044	0.0	328.522	0.0
load	N_1700119985	constant_power_B_real	657.044	0.0	328.522	0.0
load	N_1700119985	constant_power_A_reac	215.96	0.0	107.98	0.0
load	N_1700119985	constant_power_B_reac	215.96	0.0	107.98	0.0
load	N_1700093541	constant_power_A	242.228	79.6165	121.114	39.80825
load	N_1700093541	constant_power_B	242.228	79.6165	121.114	39.80825
load	N_1700093541	constant_power_C	242.228	79.6165	121.114	39.80825
load	N_1700093541	constant_power_A_real	242.228	0.0	121.114	0.0
load	N_1700093541	constant_power_B_real	242.228	0.0	121.114	0.0
load	N_1700093541	constant_power_C_real	242.228	0.0	121.114	0.0
load	N_1700093541	constant_power_A_reac	79.6165	0.0	39.80825	0.0
load	N_1700093541	constant_power_B_reac	79.6165	0.0	39.80825	0.0
load	N_1700093541	constant_power_C_reac	79.6165	0.0	39.80825	0.0
load	N_1700092724	constant_power_A	1592.65	523.478	796.325	261.739
load	N_1700092724	constant_power_A_real	1592.65	0.0	796.325	0.0
load	N_1700092724	constant_power_A_reac	523.478	0.0	261.739	0.0
load	N_1700019108	constant_power_A	3593.05	2226.77	1796.525	1113.385
load	N_1700019108	constant_power_B	3593.05	2226.77	1796.525	1113.385
load	N_1700019108	constant_power_C	3593.05	2226.77	1796.525	1113.385
load	N_1700019108	constant_power_A_real	3593.05	0.0	1796.525	0.0
load	N_1700019108	constant_power_B_real	3593.05	0.0	1796.525	0.0
load	N_1700019108	constant_power_C_real	3593.05	0.0	1796.525	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700019108	constant_power_A_reac	2226.77	0.0	1113.385	0.0
load	N_1700019108	constant_power_B_reac	2226.77	0.0	1113.385	0.0
load	N_1700019108	constant_power_C_reac	2226.77	0.0	1113.385	0.0
load	N_1700093545	constant_power_A	60.557	37.5299	30.2785	18.76495
load	N_1700093545	constant_power_B	60.557	37.5299	30.2785	18.76495
load	N_1700093545	constant_power_C	60.557	37.5299	30.2785	18.76495
load	N_1700093545	constant_power_A_real	60.557	0.0	30.2785	0.0
load	N_1700093545	constant_power_B_real	60.557	0.0	30.2785	0.0
load	N_1700093545	constant_power_C_real	60.557	0.0	30.2785	0.0
load	N_1700093545	constant_power_A_reac	37.5299	0.0	18.76495	0.0
load	N_1700093545	constant_power_B_reac	37.5299	0.0	18.76495	0.0
load	N_1700093545	constant_power_C_reac	37.5299	0.0	18.76495	0.0
load	N_1700093546	constant_power_A	16.1487	10.008	8.07435	5.004
load	N_1700093546	constant_power_B	16.1487	10.008	8.07435	5.004
load	N_1700093546	constant_power_C	16.1487	10.008	8.07435	5.004
load	N_1700093546	constant_power_A_real	16.1487	0.0	8.07435	0.0
load	N_1700093546	constant_power_B_real	16.1487	0.0	8.07435	0.0
load	N_1700093546	constant_power_C_real	16.1487	0.0	8.07435	0.0
load	N_1700093546	constant_power_A_reac	10.008	0.0	5.004	0.0
load	N_1700093546	constant_power_B_reac	10.008	0.0	5.004	0.0
load	N_1700093546	constant_power_C_reac	10.008	0.0	5.004	0.0
load	N_1700093547	constant_power_A	486.475	159.896	243.2375	79.948
load	N_1700093547	constant_power_B	486.475	159.896	243.2375	79.948
load	N_1700093547	constant_power_C	486.475	159.896	243.2375	79.948
load	N_1700093547	constant_power_A_real	486.475	0.0	243.2375	0.0
load	N_1700093547	constant_power_B_real	486.475	0.0	243.2375	0.0
load	N_1700093547	constant_power_C_real	486.475	0.0	243.2375	0.0
load	N_1700093547	constant_power_A_reac	159.896	0.0	79.948	0.0
load	N_1700093547	constant_power_B_reac	159.896	0.0	79.948	0.0
load	N_1700093547	constant_power_C_reac	159.896	0.0	79.948	0.0
load	N_1700096147	constant_power_A	1570.44	516.18	785.22	258.09
load	N_1700096147	constant_power_B	1570.44	516.18	785.22	258.09
load	N_1700096147	constant_power_C	1570.44	516.18	785.22	258.09
load	N_1700096147	constant_power_A_real	1570.44	0.0	785.22	0.0
load	N_1700096147	constant_power_B_real	1570.44	0.0	785.22	0.0
load	N_1700096147	constant_power_C_real	1570.44	0.0	785.22	0.0
load	N_1700096147	constant_power_A_reac	516.18	0.0	258.09	0.0
load	N_1700096147	constant_power_B_reac	516.18	0.0	258.09	0.0
load	N_1700096147	constant_power_C_reac	516.18	0.0	258.09	0.0
load	N_1700024050	constant_power_A	1235.36	495.936	617.68	247.968
load	N_1700024050	constant_power_B	1235.36	495.936	617.68	247.968
load	N_1700024050	constant_power_A_real	1235.36	0.0	617.68	0.0
load	N_1700024050	constant_power_B_real	1235.36	0.0	617.68	0.0
load	N_1700024050	constant_power_A_reac	495.936	0.0	247.968	0.0
load	N_1700024050	constant_power_B_reac	495.936	0.0	247.968	0.0
load	N_1700093933	constant_power_A	472.345	155.252	236.1725	77.626
load	N_1700093933	constant_power_B	472.345	155.252	236.1725	77.626
load	N_1700093933	constant_power_A_real	472.345	0.0	236.1725	0.0
load	N_1700093933	constant_power_B_real	472.345	0.0	236.1725	0.0
load	N_1700093933	constant_power_A_reac	155.252	0.0	77.626	0.0
load	N_1700093933	constant_power_B_reac	155.252	0.0	77.626	0.0
load	N_1700093882	constant_power_A	16.1487	5.30781	8.07435	2.653905
load	N_1700093882	constant_power_B	16.1487	5.30781	8.07435	2.653905
load	N_1700093882	constant_power_C	16.1487	5.30781	8.07435	2.653905
load	N_1700093882	constant_power_A_real	16.1487	0.0	8.07435	0.0
load	N_1700093882	constant_power_B_real	16.1487	0.0	8.07435	0.0
load	N_1700093882	constant_power_C_real	16.1487	0.0	8.07435	0.0
load	N_1700093882	constant_power_A_reac	5.30781	0.0	2.653905	0.0
load	N_1700093882	constant_power_B_reac	5.30781	0.0	2.653905	0.0
load	N_1700093882	constant_power_C_reac	5.30781	0.0	2.653905	0.0
load	N_1700093935	constant_power_A	626.765	206.008	313.3825	103.004
load	N_1700093935	constant_power_B	626.765	206.008	313.3825	103.004
load	N_1700093935	constant_power_A_real	626.765	0.0	313.3825	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093935	constant_power_B_real	626.765	0.0	313.3825	0.0
load	N_1700093935	constant_power_A_reac	206.008	0.0	103.004	0.0
load	N_1700093935	constant_power_B_reac	206.008	0.0	103.004	0.0
load	N_1700076357	constant_power_A	4366.16	1435.09	2183.08	717.545
load	N_1700076357	constant_power_A_real	4366.16	0.0	2183.08	0.0
load	N_1700076357	constant_power_A_reac	1435.09	0.0	717.545	0.0
load	N_1700077170	constant_power_A	740.814	243.494	370.407	121.747
load	N_1700077170	constant_power_B	740.814	243.494	370.407	121.747
load	N_1700077170	constant_power_C	740.814	243.494	370.407	121.747
load	N_1700077170	constant_power_A_real	740.814	0.0	370.407	0.0
load	N_1700077170	constant_power_B_real	740.814	0.0	370.407	0.0
load	N_1700077170	constant_power_C_real	740.814	0.0	370.407	0.0
load	N_1700077170	constant_power_A_reac	243.494	0.0	121.747	0.0
load	N_1700077170	constant_power_B_reac	243.494	0.0	121.747	0.0
load	N_1700077170	constant_power_C_reac	243.494	0.0	121.747	0.0
load	N_1700083135	constant_power_A	1044.61	343.346	522.305	171.673
load	N_1700083135	constant_power_B	1044.61	343.346	522.305	171.673
load	N_1700083135	constant_power_A_real	1044.61	0.0	522.305	0.0
load	N_1700083135	constant_power_B_real	1044.61	0.0	522.305	0.0
load	N_1700083135	constant_power_A_reac	343.346	0.0	171.673	0.0
load	N_1700083135	constant_power_B_reac	343.346	0.0	171.673	0.0
load	N_1700093837	constant_power_A	5993.13	3714.21	2996.565	1857.105
load	N_1700093837	constant_power_B	5993.13	3714.21	2996.565	1857.105
load	N_1700093837	constant_power_C	5993.13	3714.21	2996.565	1857.105
load	N_1700093837	constant_power_A_real	5993.13	0.0	2996.565	0.0
load	N_1700093837	constant_power_B_real	5993.13	0.0	2996.565	0.0
load	N_1700093837	constant_power_C_real	5993.13	0.0	2996.565	0.0
load	N_1700093837	constant_power_A_reac	3714.21	0.0	1857.105	0.0
load	N_1700093837	constant_power_B_reac	3714.21	0.0	1857.105	0.0
load	N_1700093837	constant_power_C_reac	3714.21	0.0	1857.105	0.0
load	N_1700094567	constant_power_A	6606.77	4094.51	3303.385	2047.255
load	N_1700094567	constant_power_B	6606.77	4094.51	3303.385	2047.255
load	N_1700094567	constant_power_C	6606.77	4094.51	3303.385	2047.255
load	N_1700094567	constant_power_A_real	6606.77	0.0	3303.385	0.0
load	N_1700094567	constant_power_B_real	6606.77	0.0	3303.385	0.0
load	N_1700094567	constant_power_C_real	6606.77	0.0	3303.385	0.0
load	N_1700094567	constant_power_A_reac	4094.51	0.0	2047.255	0.0
load	N_1700094567	constant_power_B_reac	4094.51	0.0	2047.255	0.0
load	N_1700094567	constant_power_C_reac	4094.51	0.0	2047.255	0.0
load	N_1700094655	constant_power_A	102.947	63.8008	51.4735	31.9004
load	N_1700094655	constant_power_B	102.947	63.8008	51.4735	31.9004
load	N_1700094655	constant_power_C	102.947	63.8008	51.4735	31.9004
load	N_1700094655	constant_power_A_real	102.947	0.0	51.4735	0.0
load	N_1700094655	constant_power_B_real	102.947	0.0	51.4735	0.0
load	N_1700094655	constant_power_C_real	102.947	0.0	51.4735	0.0
load	N_1700094655	constant_power_A_reac	63.8008	0.0	31.9004	0.0
load	N_1700094655	constant_power_B_reac	63.8008	0.0	31.9004	0.0
load	N_1700094655	constant_power_C_reac	63.8008	0.0	31.9004	0.0
load	N_1700018785	constant_power_A	1356.48	445.852	678.24	222.926
load	N_1700018785	constant_power_B	1356.48	445.852	678.24	222.926
load	N_1700018785	constant_power_A_real	1356.48	0.0	678.24	0.0
load	N_1700018785	constant_power_B_real	1356.48	0.0	678.24	0.0
load	N_1700018785	constant_power_A_reac	445.852	0.0	222.926	0.0
load	N_1700018785	constant_power_B_reac	445.852	0.0	222.926	0.0
load	N_1700080097	constant_power_A	959.829	315.481	479.9145	157.7405
load	N_1700080097	constant_power_B	959.829	315.481	479.9145	157.7405
load	N_1700080097	constant_power_A_real	959.829	0.0	479.9145	0.0
load	N_1700080097	constant_power_B_real	959.829	0.0	479.9145	0.0
load	N_1700080097	constant_power_A_reac	315.481	0.0	157.7405	0.0
load	N_1700080097	constant_power_B_reac	315.481	0.0	157.7405	0.0
load	N_1700080092	constant_power_A	1618.89	532.104	809.445	266.052
load	N_1700080092	constant_power_B	1618.89	532.104	809.445	266.052
load	N_1700080092	constant_power_C	1618.89	532.104	809.445	266.052

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700080092	constant_power_A_real	1618.89	0.0	809.445	0.0
load	N_1700080092	constant_power_B_real	1618.89	0.0	809.445	0.0
load	N_1700080092	constant_power_C_real	1618.89	0.0	809.445	0.0
load	N_1700080092	constant_power_A_reac	532.104	0.0	266.052	0.0
load	N_1700080092	constant_power_B_reac	532.104	0.0	266.052	0.0
load	N_1700080092	constant_power_C_reac	532.104	0.0	266.052	0.0
load	N_1700080093	constant_power_A	393.621	129.377	196.8105	64.6885
load	N_1700080093	constant_power_B	393.621	129.377	196.8105	64.6885
load	N_1700080093	constant_power_A_real	393.621	0.0	196.8105	0.0
load	N_1700080093	constant_power_B_real	393.621	0.0	196.8105	0.0
load	N_1700080093	constant_power_A_reac	129.377	0.0	64.6885	0.0
load	N_1700080093	constant_power_B_reac	129.377	0.0	64.6885	0.0
load	N_1700009967	constant_power_A	417.843	137.338	208.9215	68.669
load	N_1700009967	constant_power_B	417.843	137.338	208.9215	68.669
load	N_1700009967	constant_power_C	417.843	137.338	208.9215	68.669
load	N_1700009967	constant_power_A_real	417.843	0.0	208.9215	0.0
load	N_1700009967	constant_power_B_real	417.843	0.0	208.9215	0.0
load	N_1700009967	constant_power_C_real	417.843	0.0	208.9215	0.0
load	N_1700009967	constant_power_A_reac	137.338	0.0	68.669	0.0
load	N_1700009967	constant_power_B_reac	137.338	0.0	68.669	0.0
load	N_1700009967	constant_power_C_reac	137.338	0.0	68.669	0.0
load	N_1700009969	constant_power_A	155.43	51.0873	77.715	25.54365
load	N_1700009969	constant_power_B	155.43	51.0873	77.715	25.54365
load	N_1700009969	constant_power_C	155.43	51.0873	77.715	25.54365
load	N_1700009969	constant_power_A_real	155.43	0.0	77.715	0.0
load	N_1700009969	constant_power_B_real	155.43	0.0	77.715	0.0
load	N_1700009969	constant_power_C_real	155.43	0.0	77.715	0.0
load	N_1700009969	constant_power_A_reac	51.0873	0.0	25.54365	0.0
load	N_1700009969	constant_power_B_reac	51.0873	0.0	25.54365	0.0
load	N_1700009969	constant_power_C_reac	51.0873	0.0	25.54365	0.0
load	N_1700009968	constant_power_A	357.286	117.434	178.643	58.717
load	N_1700009968	constant_power_B	357.286	117.434	178.643	58.717
load	N_1700009968	constant_power_C	357.286	117.434	178.643	58.717
load	N_1700009968	constant_power_A_real	357.286	0.0	178.643	0.0
load	N_1700009968	constant_power_B_real	357.286	0.0	178.643	0.0
load	N_1700009968	constant_power_C_real	357.286	0.0	178.643	0.0
load	N_1700009968	constant_power_A_reac	117.434	0.0	58.717	0.0
load	N_1700009968	constant_power_B_reac	117.434	0.0	58.717	0.0
load	N_1700009968	constant_power_C_reac	117.434	0.0	58.717	0.0
load	N_1700070122	constant_power_A	106.984	66.3027	53.492	33.15135
load	N_1700070122	constant_power_B	106.984	66.3027	53.492	33.15135
load	N_1700070122	constant_power_C	106.984	66.3027	53.492	33.15135
load	N_1700070122	constant_power_A_real	106.984	0.0	53.492	0.0
load	N_1700070122	constant_power_B_real	106.984	0.0	53.492	0.0
load	N_1700070122	constant_power_C_real	106.984	0.0	53.492	0.0
load	N_1700070122	constant_power_A_reac	66.3027	0.0	33.15135	0.0
load	N_1700070122	constant_power_B_reac	66.3027	0.0	33.15135	0.0
load	N_1700070122	constant_power_C_reac	66.3027	0.0	33.15135	0.0
load	N_1700057814	constant_power_A	10524.8	6522.69	5262.4	3261.345
load	N_1700057814	constant_power_B	10524.8	6522.69	5262.4	3261.345
load	N_1700057814	constant_power_C	10524.8	6522.69	5262.4	3261.345
load	N_1700057814	constant_power_A_real	10524.8	0.0	5262.4	0.0
load	N_1700057814	constant_power_B_real	10524.8	0.0	5262.4	0.0
load	N_1700057814	constant_power_C_real	10524.8	0.0	5262.4	0.0
load	N_1700057814	constant_power_A_reac	6522.69	0.0	3261.345	0.0
load	N_1700057814	constant_power_B_reac	6522.69	0.0	3261.345	0.0
load	N_1700057814	constant_power_C_reac	6522.69	0.0	3261.345	0.0
load	N_1700046582	constant_power_A	1081.95	355.62	540.975	177.81
load	N_1700046582	constant_power_B	1081.95	355.62	540.975	177.81
load	N_1700046582	constant_power_C	1081.95	355.62	540.975	177.81
load	N_1700046582	constant_power_A_real	1081.95	0.0	540.975	0.0
load	N_1700046582	constant_power_B_real	1081.95	0.0	540.975	0.0
load	N_1700046582	constant_power_C_real	1081.95	0.0	540.975	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700046582	constant_power_A_reac	355.62	0.0	177.81	0.0
load	N_1700046582	constant_power_B_reac	355.62	0.0	177.81	0.0
load	N_1700046582	constant_power_C_reac	355.62	0.0	177.81	0.0
load	N_1700092755	constant_power_A	369.398	228.932	184.699	114.466
load	N_1700092755	constant_power_B	369.398	228.932	184.699	114.466
load	N_1700092755	constant_power_C	369.398	228.932	184.699	114.466
load	N_1700092755	constant_power_A_real	369.398	0.0	184.699	0.0
load	N_1700092755	constant_power_B_real	369.398	0.0	184.699	0.0
load	N_1700092755	constant_power_C_real	369.398	0.0	184.699	0.0
load	N_1700092755	constant_power_A_reac	228.932	0.0	114.466	0.0
load	N_1700092755	constant_power_B_reac	228.932	0.0	114.466	0.0
load	N_1700092755	constant_power_C_reac	228.932	0.0	114.466	0.0
load	N_1700092301	constant_power_A	478.4	157.242	239.2	78.621
load	N_1700092301	constant_power_A_real	478.4	0.0	239.2	0.0
load	N_1700092301	constant_power_A_reac	157.242	0.0	78.621	0.0
load	N_1700092300	constant_power_A	853.854	280.648	426.927	140.324
load	N_1700092300	constant_power_B	853.854	280.648	426.927	140.324
load	N_1700092300	constant_power_C	853.854	280.648	426.927	140.324
load	N_1700092300	constant_power_A_real	853.854	0.0	426.927	0.0
load	N_1700092300	constant_power_B_real	853.854	0.0	426.927	0.0
load	N_1700092300	constant_power_C_real	853.854	0.0	426.927	0.0
load	N_1700092300	constant_power_A_reac	280.648	0.0	140.324	0.0
load	N_1700092300	constant_power_B_reac	280.648	0.0	140.324	0.0
load	N_1700092300	constant_power_C_reac	280.648	0.0	140.324	0.0
load	N_1700018457	constant_power_A	22.2043	7.29821	11.10215	3.649105
load	N_1700018457	constant_power_B	22.2043	7.29821	11.10215	3.649105
load	N_1700018457	constant_power_C	22.2043	7.29821	11.10215	3.649105
load	N_1700018457	constant_power_A_real	22.2043	0.0	11.10215	0.0
load	N_1700018457	constant_power_B_real	22.2043	0.0	11.10215	0.0
load	N_1700018457	constant_power_C_real	22.2043	0.0	11.10215	0.0
load	N_1700018457	constant_power_A_reac	7.29821	0.0	3.649105	0.0
load	N_1700018457	constant_power_B_reac	7.29821	0.0	3.649105	0.0
load	N_1700018457	constant_power_C_reac	7.29821	0.0	3.649105	0.0
load	N_1700093557	constant_power_A	9010.88	5584.44	4505.44	2792.22
load	N_1700093557	constant_power_B	9010.88	5584.44	4505.44	2792.22
load	N_1700093557	constant_power_C	9010.88	5584.44	4505.44	2792.22
load	N_1700093557	constant_power_A_real	9010.88	0.0	4505.44	0.0
load	N_1700093557	constant_power_B_real	9010.88	0.0	4505.44	0.0
load	N_1700093557	constant_power_C_real	9010.88	0.0	4505.44	0.0
load	N_1700093557	constant_power_A_reac	5584.44	0.0	2792.22	0.0
load	N_1700093557	constant_power_B_reac	5584.44	0.0	2792.22	0.0
load	N_1700093557	constant_power_C_reac	5584.44	0.0	2792.22	0.0
load	N_1700120452	constant_power_A	194667.0	120644.0	97333.5	60322.0
load	N_1700120452	constant_power_B	194667.0	120644.0	97333.5	60322.0
load	N_1700120452	constant_power_C	194667.0	120644.0	97333.5	60322.0
load	N_1700120452	constant_power_A_real	194667.0	0.0	97333.5	0.0
load	N_1700120452	constant_power_B_real	194667.0	0.0	97333.5	0.0
load	N_1700120452	constant_power_C_real	194667.0	0.0	97333.5	0.0
load	N_1700120452	constant_power_A_reac	120644.0	0.0	60322.0	0.0
load	N_1700120452	constant_power_B_reac	120644.0	0.0	60322.0	0.0
load	N_1700120452	constant_power_C_reac	120644.0	0.0	60322.0	0.0
load	N_1700093944	constant_power_A	2541.38	835.31	1270.69	417.655
load	N_1700093944	constant_power_B	2541.38	835.31	1270.69	417.655
load	N_1700093944	constant_power_C	2541.38	835.31	1270.69	417.655
load	N_1700093944	constant_power_A_real	2541.38	0.0	1270.69	0.0
load	N_1700093944	constant_power_B_real	2541.38	0.0	1270.69	0.0
load	N_1700093944	constant_power_C_real	2541.38	0.0	1270.69	0.0
load	N_1700093944	constant_power_A_reac	835.31	0.0	417.655	0.0
load	N_1700093944	constant_power_B_reac	835.31	0.0	417.655	0.0
load	N_1700093944	constant_power_C_reac	835.31	0.0	417.655	0.0
load	N_1700093498	constant_power_A	591.44	194.397	295.72	97.1985
load	N_1700093498	constant_power_B	591.44	194.397	295.72	97.1985
load	N_1700093498	constant_power_C	591.44	194.397	295.72	97.1985

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093498	constant_power_A_real	591.44	0.0	295.72	0.0
load	N_1700093498	constant_power_B_real	591.44	0.0	295.72	0.0
load	N_1700093498	constant_power_C_real	591.44	0.0	295.72	0.0
load	N_1700093498	constant_power_A_reac	194.397	0.0	97.1985	0.0
load	N_1700093498	constant_power_B_reac	194.397	0.0	97.1985	0.0
load	N_1700093498	constant_power_C_reac	194.397	0.0	97.1985	0.0
load	N_1700093499	constant_power_A	4.037	2.50191	2.0185	1.250955
load	N_1700093499	constant_power_B	4.037	2.50191	2.0185	1.250955
load	N_1700093499	constant_power_C	4.037	2.50191	2.0185	1.250955
load	N_1700093499	constant_power_A_real	4.037	0.0	2.0185	0.0
load	N_1700093499	constant_power_B_real	4.037	0.0	2.0185	0.0
load	N_1700093499	constant_power_C_real	4.037	0.0	2.0185	0.0
load	N_1700093499	constant_power_A_reac	2.50191	0.0	1.250955	0.0
load	N_1700093499	constant_power_B_reac	2.50191	0.0	1.250955	0.0
load	N_1700093499	constant_power_C_reac	2.50191	0.0	1.250955	0.0
load	N_1700093492	constant_power_A	232.135	76.2992	116.0675	38.1496
load	N_1700093492	constant_power_B	232.135	76.2992	116.0675	38.1496
load	N_1700093492	constant_power_C	232.135	76.2992	116.0675	38.1496
load	N_1700093492	constant_power_A_real	232.135	0.0	116.0675	0.0
load	N_1700093492	constant_power_B_real	232.135	0.0	116.0675	0.0
load	N_1700093492	constant_power_C_real	232.135	0.0	116.0675	0.0
load	N_1700093492	constant_power_A_reac	76.2992	0.0	38.1496	0.0
load	N_1700093492	constant_power_B_reac	76.2992	0.0	38.1496	0.0
load	N_1700093492	constant_power_C_reac	76.2992	0.0	38.1496	0.0
load	N_1700093490	constant_power_A	482.438	158.57	241.219	79.285
load	N_1700093490	constant_power_B	482.438	158.57	241.219	79.285
load	N_1700093490	constant_power_C	482.438	158.57	241.219	79.285
load	N_1700093490	constant_power_A_real	482.438	0.0	241.219	0.0
load	N_1700093490	constant_power_B_real	482.438	0.0	241.219	0.0
load	N_1700093490	constant_power_C_real	482.438	0.0	241.219	0.0
load	N_1700093490	constant_power_A_reac	158.57	0.0	79.285	0.0
load	N_1700093490	constant_power_B_reac	158.57	0.0	79.285	0.0
load	N_1700093490	constant_power_C_reac	158.57	0.0	79.285	0.0
load	N_1700067294	constant_power_A	387.565	127.386	193.7825	63.693
load	N_1700067294	constant_power_B	387.565	127.386	193.7825	63.693
load	N_1700067294	constant_power_C	387.565	127.386	193.7825	63.693
load	N_1700067294	constant_power_A_real	387.565	0.0	193.7825	0.0
load	N_1700067294	constant_power_B_real	387.565	0.0	193.7825	0.0
load	N_1700067294	constant_power_C_real	387.565	0.0	193.7825	0.0
load	N_1700067294	constant_power_A_reac	127.386	0.0	63.693	0.0
load	N_1700067294	constant_power_B_reac	127.386	0.0	63.693	0.0
load	N_1700067294	constant_power_C_reac	127.386	0.0	63.693	0.0
load	N_1700270358	constant_power_A	3054.09	1892.76	1527.045	946.38
load	N_1700270358	constant_power_B	3054.09	1892.76	1527.045	946.38
load	N_1700270358	constant_power_C	3054.09	1892.76	1527.045	946.38
load	N_1700270358	constant_power_A_real	3054.09	0.0	1527.045	0.0
load	N_1700270358	constant_power_B_real	3054.09	0.0	1527.045	0.0
load	N_1700270358	constant_power_C_real	3054.09	0.0	1527.045	0.0
load	N_1700270358	constant_power_A_reac	1892.76	0.0	946.38	0.0
load	N_1700270358	constant_power_B_reac	1892.76	0.0	946.38	0.0
load	N_1700270358	constant_power_C_reac	1892.76	0.0	946.38	0.0
load	N_170009541	constant_power_A	393.621	243.944	196.8105	121.972
load	N_170009541	constant_power_B	393.621	243.944	196.8105	121.972
load	N_170009541	constant_power_C	393.621	243.944	196.8105	121.972
load	N_170009541	constant_power_A_real	393.621	0.0	196.8105	0.0
load	N_170009541	constant_power_B_real	393.621	0.0	196.8105	0.0
load	N_170009541	constant_power_C_real	393.621	0.0	196.8105	0.0
load	N_170009541	constant_power_A_reac	243.944	0.0	121.972	0.0
load	N_170009541	constant_power_B_reac	243.944	0.0	121.972	0.0
load	N_170009541	constant_power_C_reac	243.944	0.0	121.972	0.0
load	N_1700093101	constant_power_A	421.881	138.665	210.9405	69.3325
load	N_1700093101	constant_power_B	421.881	138.665	210.9405	69.3325
load	N_1700093101	constant_power_C	421.881	138.665	210.9405	69.3325

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093101	constant_power_A_real	421.881	0.0	210.9405	0.0
load	N_1700093101	constant_power_B_real	421.881	0.0	210.9405	0.0
load	N_1700093101	constant_power_C_real	421.881	0.0	210.9405	0.0
load	N_1700093101	constant_power_A_reac	138.665	0.0	69.3325	0.0
load	N_1700093101	constant_power_B_reac	138.665	0.0	69.3325	0.0
load	N_1700093101	constant_power_C_reac	138.665	0.0	69.3325	0.0
load	N_1700024119	constant_power_A	236.172	146.366	118.086	73.183
load	N_1700024119	constant_power_B	236.172	146.366	118.086	73.183
load	N_1700024119	constant_power_C	236.172	146.366	118.086	73.183
load	N_1700024119	constant_power_A_real	236.172	0.0	118.086	0.0
load	N_1700024119	constant_power_B_real	236.172	0.0	118.086	0.0
load	N_1700024119	constant_power_C_real	236.172	0.0	118.086	0.0
load	N_1700024119	constant_power_A_reac	146.366	0.0	73.183	0.0
load	N_1700024119	constant_power_B_reac	146.366	0.0	73.183	0.0
load	N_1700024119	constant_power_C_reac	146.366	0.0	73.183	0.0
load	N_1700070172	constant_power_A	1465.48	908.223	732.74	454.1115
load	N_1700070172	constant_power_B	1465.48	908.223	732.74	454.1115
load	N_1700070172	constant_power_C	1465.48	908.223	732.74	454.1115
load	N_1700070172	constant_power_A_real	1465.48	0.0	732.74	0.0
load	N_1700070172	constant_power_B_real	1465.48	0.0	732.74	0.0
load	N_1700070172	constant_power_C_real	1465.48	0.0	732.74	0.0
load	N_1700070172	constant_power_A_reac	908.223	0.0	454.1115	0.0
load	N_1700070172	constant_power_B_reac	908.223	0.0	454.1115	0.0
load	N_1700070172	constant_power_C_reac	908.223	0.0	454.1115	0.0
load	N_1700010082	constant_power_A	35908.3	22254.0	17954.15	11127.0
load	N_1700010082	constant_power_B	35908.3	22254.0	17954.15	11127.0
load	N_1700010082	constant_power_C	35908.3	22254.0	17954.15	11127.0
load	N_1700010082	constant_power_A_real	35908.3	0.0	17954.15	0.0
load	N_1700010082	constant_power_B_real	35908.3	0.0	17954.15	0.0
load	N_1700010082	constant_power_C_real	35908.3	0.0	17954.15	0.0
load	N_1700010082	constant_power_A_reac	22254.0	0.0	11127.0	0.0
load	N_1700010082	constant_power_B_reac	22254.0	0.0	11127.0	0.0
load	N_1700010082	constant_power_C_reac	22254.0	0.0	11127.0	0.0
load	N_1700023085	constant_power_C	3796.93	1247.99	1898.465	623.995
load	N_1700023085	constant_power_C_real	3796.93	0.0	1898.465	0.0
load	N_1700023085	constant_power_C_reac	1247.99	0.0	623.995	0.0
load	N_1700070173	constant_power_A	841.742	276.667	420.871	138.3335
load	N_1700070173	constant_power_B	841.742	276.667	420.871	138.3335
load	N_1700070173	constant_power_C	841.742	276.667	420.871	138.3335
load	N_1700070173	constant_power_A_real	841.742	0.0	420.871	0.0
load	N_1700070173	constant_power_B_real	841.742	0.0	420.871	0.0
load	N_1700070173	constant_power_C_real	841.742	0.0	420.871	0.0
load	N_1700070173	constant_power_A_reac	276.667	0.0	138.3335	0.0
load	N_1700070173	constant_power_B_reac	276.667	0.0	138.3335	0.0
load	N_1700070173	constant_power_C_reac	276.667	0.0	138.3335	0.0
load	N_1700094462	constant_power_A	1544.2	715.539	772.1	357.7695
load	N_1700094462	constant_power_B	1544.2	715.539	772.1	357.7695
load	N_1700094462	constant_power_C	1544.2	715.539	772.1	357.7695
load	N_1700094462	constant_power_A_real	1544.2	0.0	772.1	0.0
load	N_1700094462	constant_power_B_real	1544.2	0.0	772.1	0.0
load	N_1700094462	constant_power_C_real	1544.2	0.0	772.1	0.0
load	N_1700094462	constant_power_A_reac	715.539	0.0	357.7695	0.0
load	N_1700094462	constant_power_B_reac	715.539	0.0	357.7695	0.0
load	N_1700094462	constant_power_C_reac	715.539	0.0	357.7695	0.0
load	N_1700092728	constant_power_A	446.103	146.627	223.0515	73.3135
load	N_1700092728	constant_power_B	446.103	146.627	223.0515	73.3135
load	N_1700092728	constant_power_C	446.103	146.627	223.0515	73.3135
load	N_1700092728	constant_power_A_real	446.103	0.0	223.0515	0.0
load	N_1700092728	constant_power_B_real	446.103	0.0	223.0515	0.0
load	N_1700092728	constant_power_C_real	446.103	0.0	223.0515	0.0
load	N_1700092728	constant_power_A_reac	146.627	0.0	73.3135	0.0
load	N_1700092728	constant_power_B_reac	146.627	0.0	73.3135	0.0
load	N_1700092728	constant_power_C_reac	146.627	0.0	73.3135	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094702	constant_power_A	542.994	248.977	271.497	124.4885
load	N_1700094702	constant_power_B	542.994	248.977	271.497	124.4885
load	N_1700094702	constant_power_C	542.994	248.977	271.497	124.4885
load	N_1700094702	constant_power_A_real	542.994	0.0	271.497	0.0
load	N_1700094702	constant_power_B_real	542.994	0.0	271.497	0.0
load	N_1700094702	constant_power_C_real	542.994	0.0	271.497	0.0
load	N_1700094702	constant_power_A_reac	248.977	0.0	124.4885	0.0
load	N_1700094702	constant_power_B_reac	248.977	0.0	124.4885	0.0
load	N_1700094702	constant_power_C_reac	248.977	0.0	124.4885	0.0
load	N_1700094701	constant_power_A	26944.8	16698.9	13472.4	8349.45
load	N_1700094701	constant_power_B	26944.8	16698.9	13472.4	8349.45
load	N_1700094701	constant_power_A_real	26944.8	0.0	13472.4	0.0
load	N_1700094701	constant_power_B_real	26944.8	0.0	13472.4	0.0
load	N_1700094701	constant_power_A_reac	16698.9	0.0	8349.45	0.0
load	N_1700094701	constant_power_B_reac	16698.9	0.0	8349.45	0.0
load	N_1700068003	constant_power_A	1471.54	483.67	735.77	241.835
load	N_1700068003	constant_power_A_real	1471.54	0.0	735.77	0.0
load	N_1700068003	constant_power_A_reac	483.67	0.0	241.835	0.0
load	N_1700066106	constant_power_A	514.735	169.185	257.3675	84.5925
load	N_1700066106	constant_power_A_real	514.735	0.0	257.3675	0.0
load	N_1700066106	constant_power_A_reac	169.185	0.0	84.5925	0.0
load	N_1700093105	constant_power_A	602.542	198.046	301.271	99.023
load	N_1700093105	constant_power_B	602.542	198.046	301.271	99.023
load	N_1700093105	constant_power_A_real	602.542	0.0	301.271	0.0
load	N_1700093105	constant_power_B_real	602.542	0.0	301.271	0.0
load	N_1700093105	constant_power_A_reac	198.046	0.0	99.023	0.0
load	N_1700093105	constant_power_B_reac	198.046	0.0	99.023	0.0
load	N_1700093113	constant_power_A	526.846	173.166	263.423	86.583
load	N_1700093113	constant_power_B	526.846	173.166	263.423	86.583
load	N_1700093113	constant_power_A_real	526.846	0.0	263.423	0.0
load	N_1700093113	constant_power_B_real	526.846	0.0	263.423	0.0
load	N_1700093113	constant_power_A_reac	173.166	0.0	86.583	0.0
load	N_1700093113	constant_power_B_reac	173.166	0.0	86.583	0.0
load	N_1700093112	constant_power_A	641.904	210.984	320.952	105.492
load	N_1700093112	constant_power_B	641.904	210.984	320.952	105.492
load	N_1700093112	constant_power_A_real	641.904	0.0	320.952	0.0
load	N_1700093112	constant_power_B_real	641.904	0.0	320.952	0.0
load	N_1700093112	constant_power_A_reac	210.984	0.0	105.492	0.0
load	N_1700093112	constant_power_B_reac	210.984	0.0	105.492	0.0
load	N_1700093111	constant_power_A	102.947	33.837	51.4735	16.9185
load	N_1700093111	constant_power_B	102.947	33.837	51.4735	16.9185
load	N_1700093111	constant_power_A_real	102.947	0.0	51.4735	0.0
load	N_1700093111	constant_power_B_real	102.947	0.0	51.4735	0.0
load	N_1700093111	constant_power_A_reac	33.837	0.0	16.9185	0.0
load	N_1700093111	constant_power_B_reac	33.837	0.0	16.9185	0.0
load	N_1700093059	constant_power_A	711.545	233.874	355.7725	116.937
load	N_1700093059	constant_power_B	711.545	233.874	355.7725	116.937
load	N_1700093059	constant_power_A_real	711.545	0.0	355.7725	0.0
load	N_1700093059	constant_power_B_real	711.545	0.0	355.7725	0.0
load	N_1700093059	constant_power_A_reac	233.874	0.0	116.937	0.0
load	N_1700093059	constant_power_B_reac	233.874	0.0	116.937	0.0
load	N_1700093114	constant_power_A	763.018	250.792	381.509	125.396
load	N_1700093114	constant_power_B	763.018	250.792	381.509	125.396
load	N_1700093114	constant_power_A_real	763.018	0.0	381.509	0.0
load	N_1700093114	constant_power_B_real	763.018	0.0	381.509	0.0
load	N_1700093114	constant_power_A_reac	250.792	0.0	125.396	0.0
load	N_1700093114	constant_power_B_reac	250.792	0.0	125.396	0.0
load	N_1700093052	constant_power_A	523.818	172.171	261.909	86.0855
load	N_1700093052	constant_power_B	523.818	172.171	261.909	86.0855
load	N_1700093052	constant_power_A_real	523.818	0.0	261.909	0.0
load	N_1700093052	constant_power_B_real	523.818	0.0	261.909	0.0
load	N_1700093052	constant_power_A_reac	172.171	0.0	86.0855	0.0
load	N_1700093052	constant_power_B_reac	172.171	0.0	86.0855	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093119	constant_power_A	678.239	222.926	339.1195	111.463
load	N_1700093119	constant_power_B	678.239	222.926	339.1195	111.463
load	N_1700093119	constant_power_A_real	678.239	0.0	339.1195	0.0
load	N_1700093119	constant_power_B_real	678.239	0.0	339.1195	0.0
load	N_1700093119	constant_power_A_reac	222.926	0.0	111.463	0.0
load	N_1700093119	constant_power_B_reac	222.926	0.0	111.463	0.0
load	N_1700093051	constant_power_A	10.093	3.31741	5.0465	1.658705
load	N_1700093051	constant_power_B	10.093	3.31741	5.0465	1.658705
load	N_1700093051	constant_power_C	10.093	3.31741	5.0465	1.658705
load	N_1700093051	constant_power_A_real	10.093	0.0	5.0465	0.0
load	N_1700093051	constant_power_B_real	10.093	0.0	5.0465	0.0
load	N_1700093051	constant_power_C_real	10.093	0.0	5.0465	0.0
load	N_1700093051	constant_power_A_reac	3.31741	0.0	1.658705	0.0
load	N_1700093051	constant_power_B_reac	3.31741	0.0	1.658705	0.0
load	N_1700093051	constant_power_C_reac	3.31741	0.0	1.658705	0.0
load	N_1700093057	constant_power_A	24.2227	15.0119	12.11135	7.50595
load	N_1700093057	constant_power_B	24.2227	15.0119	12.11135	7.50595
load	N_1700093057	constant_power_C	24.2227	15.0119	12.11135	7.50595
load	N_1700093057	constant_power_A_real	24.2227	0.0	12.11135	0.0
load	N_1700093057	constant_power_B_real	24.2227	0.0	12.11135	0.0
load	N_1700093057	constant_power_C_real	24.2227	0.0	12.11135	0.0
load	N_1700093057	constant_power_A_reac	15.0119	0.0	7.50595	0.0
load	N_1700093057	constant_power_B_reac	15.0119	0.0	7.50595	0.0
load	N_1700093057	constant_power_C_reac	15.0119	0.0	7.50595	0.0
load	N_1700093054	constant_power_A	1792.49	589.162	896.245	294.581
load	N_1700093054	constant_power_A_real	1792.49	0.0	896.245	0.0
load	N_1700093054	constant_power_A_reac	589.162	0.0	294.581	0.0
load	N_1700093055	constant_power_A	605.57	199.041	302.785	99.5205
load	N_1700093055	constant_power_A_real	605.57	0.0	302.785	0.0
load	N_1700093055	constant_power_A_reac	199.041	0.0	99.5205	0.0
load	N_1700096108	constant_power_A	1974.16	648.875	987.08	324.4375
load	N_1700096108	constant_power_A_real	1974.16	0.0	987.08	0.0
load	N_1700096108	constant_power_A_reac	648.875	0.0	324.4375	0.0
load	N_1700093109	constant_power_A	44.4083	27.5218	22.20415	13.7609
load	N_1700093109	constant_power_B	44.4083	27.5218	22.20415	13.7609
load	N_1700093109	constant_power_C	44.4083	27.5218	22.20415	13.7609
load	N_1700093109	constant_power_A_real	44.4083	0.0	22.20415	0.0
load	N_1700093109	constant_power_B_real	44.4083	0.0	22.20415	0.0
load	N_1700093109	constant_power_C_real	44.4083	0.0	22.20415	0.0
load	N_1700093109	constant_power_A_reac	27.5218	0.0	13.7609	0.0
load	N_1700093109	constant_power_B_reac	27.5218	0.0	13.7609	0.0
load	N_1700093109	constant_power_C_reac	27.5218	0.0	13.7609	0.0
load	N_1700023408	constant_power_A	30666.7	19005.5	15333.35	9502.75
load	N_1700023408	constant_power_B	30666.7	19005.5	15333.35	9502.75
load	N_1700023408	constant_power_C	30666.7	19005.5	15333.35	9502.75
load	N_1700023408	constant_power_A_real	30666.7	0.0	15333.35	0.0
load	N_1700023408	constant_power_B_real	30666.7	0.0	15333.35	0.0
load	N_1700023408	constant_power_C_real	30666.7	0.0	15333.35	0.0
load	N_1700023408	constant_power_A_reac	19005.5	0.0	9502.75	0.0
load	N_1700023408	constant_power_B_reac	19005.5	0.0	9502.75	0.0
load	N_1700023408	constant_power_C_reac	19005.5	0.0	9502.75	0.0
load	N_1700055668	constant_power_A	4412.59	2734.68	2206.295	1367.34
load	N_1700055668	constant_power_B	4412.59	2734.68	2206.295	1367.34
load	N_1700055668	constant_power_C	4412.59	2734.68	2206.295	1367.34
load	N_1700055668	constant_power_A_real	4412.59	0.0	2206.295	0.0
load	N_1700055668	constant_power_B_real	4412.59	0.0	2206.295	0.0
load	N_1700055668	constant_power_C_real	4412.59	0.0	2206.295	0.0
load	N_1700055668	constant_power_A_reac	2734.68	0.0	1367.34	0.0
load	N_1700055668	constant_power_B_reac	2734.68	0.0	1367.34	0.0
load	N_1700055668	constant_power_C_reac	2734.68	0.0	1367.34	0.0
load	N_170009937	constant_power_A	276.544	90.8955	138.272	45.44775
load	N_170009937	constant_power_B	276.544	90.8955	138.272	45.44775
load	N_170009937	constant_power_C	276.544	90.8955	138.272	45.44775

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700009937	constant_power_A_real	276.544	0.0	138.272	0.0
load	N_1700009937	constant_power_B_real	276.544	0.0	138.272	0.0
load	N_1700009937	constant_power_C_real	276.544	0.0	138.272	0.0
load	N_1700009937	constant_power_A_reac	90.8955	0.0	45.44775	0.0
load	N_1700009937	constant_power_B_reac	90.8955	0.0	45.44775	0.0
load	N_1700009937	constant_power_C_reac	90.8955	0.0	45.44775	0.0
load	N_1700018777	constant_power_A	870.002	539.179	435.001	269.5895
load	N_1700018777	constant_power_B	870.002	539.179	435.001	269.5895
load	N_1700018777	constant_power_C	870.002	539.179	435.001	269.5895
load	N_1700018777	constant_power_A_real	870.002	0.0	435.001	0.0
load	N_1700018777	constant_power_B_real	870.002	0.0	435.001	0.0
load	N_1700018777	constant_power_C_real	870.002	0.0	435.001	0.0
load	N_1700018777	constant_power_A_reac	539.179	0.0	269.5895	0.0
load	N_1700018777	constant_power_B_reac	539.179	0.0	269.5895	0.0
load	N_1700018777	constant_power_C_reac	539.179	0.0	269.5895	0.0
load	N_1700061050	constant_power_A	658.053	303.833	329.0265	151.9165
load	N_1700061050	constant_power_B	658.053	303.833	329.0265	151.9165
load	N_1700061050	constant_power_C	658.053	303.833	329.0265	151.9165
load	N_1700061050	constant_power_A_real	658.053	0.0	329.0265	0.0
load	N_1700061050	constant_power_B_real	658.053	0.0	329.0265	0.0
load	N_1700061050	constant_power_C_real	658.053	0.0	329.0265	0.0
load	N_1700061050	constant_power_A_reac	303.833	0.0	151.9165	0.0
load	N_1700061050	constant_power_B_reac	303.833	0.0	151.9165	0.0
load	N_1700061050	constant_power_C_reac	303.833	0.0	151.9165	0.0
load	N_1700069121	constant_power_A	2032.7	1096.42	1016.35	548.21
load	N_1700069121	constant_power_B	2032.7	1096.42	1016.35	548.21
load	N_1700069121	constant_power_C	2032.7	1096.42	1016.35	548.21
load	N_1700069121	constant_power_A_real	2032.7	0.0	1016.35	0.0
load	N_1700069121	constant_power_B_real	2032.7	0.0	1016.35	0.0
load	N_1700069121	constant_power_C_real	2032.7	0.0	1016.35	0.0
load	N_1700069121	constant_power_A_reac	1096.42	0.0	548.21	0.0
load	N_1700069121	constant_power_B_reac	1096.42	0.0	548.21	0.0
load	N_1700069121	constant_power_C_reac	1096.42	0.0	548.21	0.0
load	N_1700061113	constant_power_A	890.188	292.591	445.094	146.2955
load	N_1700061113	constant_power_B	890.188	292.591	445.094	146.2955
load	N_1700061113	constant_power_C	890.188	292.591	445.094	146.2955
load	N_1700061113	constant_power_A_real	890.188	0.0	445.094	0.0
load	N_1700061113	constant_power_B_real	890.188	0.0	445.094	0.0
load	N_1700061113	constant_power_C_real	890.188	0.0	445.094	0.0
load	N_1700061113	constant_power_A_reac	292.591	0.0	146.2955	0.0
load	N_1700061113	constant_power_B_reac	292.591	0.0	146.2955	0.0
load	N_1700061113	constant_power_C_reac	292.591	0.0	146.2955	0.0
load	N_1700018956	constant_power_A	2540.37	1411.34	1270.185	705.67
load	N_1700018956	constant_power_B	2540.37	1411.34	1270.185	705.67
load	N_1700018956	constant_power_A_real	2540.37	0.0	1270.185	0.0
load	N_1700018956	constant_power_B_real	2540.37	0.0	1270.185	0.0
load	N_1700018956	constant_power_A_reac	1411.34	0.0	705.67	0.0
load	N_1700018956	constant_power_B_reac	1411.34	0.0	705.67	0.0
load	N_1700092293	constant_power_A	3061.16	1006.15	1530.58	503.075
load	N_1700092293	constant_power_B	3061.16	1006.15	1530.58	503.075
load	N_1700092293	constant_power_A_real	3061.16	0.0	1530.58	0.0
load	N_1700092293	constant_power_B_real	3061.16	0.0	1530.58	0.0
load	N_1700092293	constant_power_A_reac	1006.15	0.0	503.075	0.0
load	N_1700092293	constant_power_B_reac	1006.15	0.0	503.075	0.0
load	N_1700064669	constant_power_A	7954.16	2614.41	3977.08	1307.205
load	N_1700064669	constant_power_B	7954.16	2614.41	3977.08	1307.205
load	N_1700064669	constant_power_A_real	7954.16	0.0	3977.08	0.0
load	N_1700064669	constant_power_B_real	7954.16	0.0	3977.08	0.0
load	N_1700064669	constant_power_A_reac	2614.41	0.0	1307.205	0.0
load	N_1700064669	constant_power_B_reac	2614.41	0.0	1307.205	0.0
load	N_1700009938	constant_power_A	1653.21	551.608	826.605	275.804
load	N_1700009938	constant_power_B	1653.21	551.608	826.605	275.804
load	N_1700009938	constant_power_C	1653.21	551.608	826.605	275.804

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700009938	constant_power_A_real	1653.21	0.0	826.605	0.0
load	N_1700009938	constant_power_B_real	1653.21	0.0	826.605	0.0
load	N_1700009938	constant_power_C_real	1653.21	0.0	826.605	0.0
load	N_1700009938	constant_power_A_reac	551.608	0.0	275.804	0.0
load	N_1700009938	constant_power_B_reac	551.608	0.0	275.804	0.0
load	N_1700009938	constant_power_C_reac	551.608	0.0	275.804	0.0
load	N_1700010012	constant_power_A	50.4643	31.275	25.23215	15.6375
load	N_1700010012	constant_power_B	50.4643	31.275	25.23215	15.6375
load	N_1700010012	constant_power_C	50.4643	31.275	25.23215	15.6375
load	N_1700010012	constant_power_A_real	50.4643	0.0	25.23215	0.0
load	N_1700010012	constant_power_B_real	50.4643	0.0	25.23215	0.0
load	N_1700010012	constant_power_C_real	50.4643	0.0	25.23215	0.0
load	N_1700010012	constant_power_A_reac	31.275	0.0	15.6375	0.0
load	N_1700010012	constant_power_B_reac	31.275	0.0	15.6375	0.0
load	N_1700010012	constant_power_C_reac	31.275	0.0	15.6375	0.0
load	N_1700094635	constant_power_A	110846.0	68696.0	55423.0	34348.0
load	N_1700094635	constant_power_B	110846.0	68696.0	55423.0	34348.0
load	N_1700094635	constant_power_C	110846.0	68696.0	55423.0	34348.0
load	N_1700094635	constant_power_A_real	110846.0	0.0	55423.0	0.0
load	N_1700094635	constant_power_B_real	110846.0	0.0	55423.0	0.0
load	N_1700094635	constant_power_C_real	110846.0	0.0	55423.0	0.0
load	N_1700094635	constant_power_A_reac	68696.0	0.0	34348.0	0.0
load	N_1700094635	constant_power_B_reac	68696.0	0.0	34348.0	0.0
load	N_1700094635	constant_power_C_reac	68696.0	0.0	34348.0	0.0
load	N_1700069887	constant_power_A	545.013	179.137	272.5065	89.5685
load	N_1700069887	constant_power_B	545.013	179.137	272.5065	89.5685
load	N_1700069887	constant_power_C	545.013	179.137	272.5065	89.5685
load	N_1700069887	constant_power_A_real	545.013	0.0	272.5065	0.0
load	N_1700069887	constant_power_B_real	545.013	0.0	272.5065	0.0
load	N_1700069887	constant_power_C_real	545.013	0.0	272.5065	0.0
load	N_1700069887	constant_power_A_reac	179.137	0.0	89.5685	0.0
load	N_1700069887	constant_power_B_reac	179.137	0.0	89.5685	0.0
load	N_1700069887	constant_power_C_reac	179.137	0.0	89.5685	0.0
load	N_1700092734	constant_power_A	504.642	312.749	252.321	156.3745
load	N_1700092734	constant_power_B	504.642	312.749	252.321	156.3745
load	N_1700092734	constant_power_C	504.642	312.749	252.321	156.3745
load	N_1700092734	constant_power_A_real	504.642	0.0	252.321	0.0
load	N_1700092734	constant_power_B_real	504.642	0.0	252.321	0.0
load	N_1700092734	constant_power_C_real	504.642	0.0	252.321	0.0
load	N_1700092734	constant_power_A_reac	312.749	0.0	156.3745	0.0
load	N_1700092734	constant_power_B_reac	312.749	0.0	156.3745	0.0
load	N_1700092734	constant_power_C_reac	312.749	0.0	156.3745	0.0
load	N_1700092735	constant_power_A	502.623	165.204	251.3115	82.602
load	N_1700092735	constant_power_B	502.623	165.204	251.3115	82.602
load	N_1700092735	constant_power_A_real	502.623	0.0	251.3115	0.0
load	N_1700092735	constant_power_B_real	502.623	0.0	251.3115	0.0
load	N_1700092735	constant_power_A_reac	165.204	0.0	82.602	0.0
load	N_1700092735	constant_power_B_reac	165.204	0.0	82.602	0.0
load	N_1700092736	constant_power_A	1798.54	591.152	899.27	295.576
load	N_1700092736	constant_power_B	1798.54	591.152	899.27	295.576
load	N_1700092736	constant_power_A_real	1798.54	0.0	899.27	0.0
load	N_1700092736	constant_power_B_real	1798.54	0.0	899.27	0.0
load	N_1700092736	constant_power_A_reac	591.152	0.0	295.576	0.0
load	N_1700092736	constant_power_B_reac	591.152	0.0	295.576	0.0
load	N_1700094633	constant_power_A	101473.0	62887.3	50736.5	31443.65
load	N_1700094633	constant_power_B	101473.0	62887.3	50736.5	31443.65
load	N_1700094633	constant_power_C	101473.0	62887.3	50736.5	31443.65
load	N_1700094633	constant_power_A_real	101473.0	0.0	50736.5	0.0
load	N_1700094633	constant_power_B_real	101473.0	0.0	50736.5	0.0
load	N_1700094633	constant_power_C_real	101473.0	0.0	50736.5	0.0
load	N_1700094633	constant_power_A_reac	62887.3	0.0	31443.65	0.0
load	N_1700094633	constant_power_B_reac	62887.3	0.0	31443.65	0.0
load	N_1700094633	constant_power_C_reac	62887.3	0.0	31443.65	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700018880	constant_power_A	547.032	179.801	273.516	89.9005
load	N_1700018880	constant_power_B	547.032	179.801	273.516	89.9005
load	N_1700018880	constant_power_C	547.032	179.801	273.516	89.9005
load	N_1700018880	constant_power_A_real	547.032	0.0	273.516	0.0
load	N_1700018880	constant_power_B_real	547.032	0.0	273.516	0.0
load	N_1700018880	constant_power_C_real	547.032	0.0	273.516	0.0
load	N_1700018880	constant_power_A_reac	179.801	0.0	89.9005	0.0
load	N_1700018880	constant_power_B_reac	179.801	0.0	89.9005	0.0
load	N_1700018880	constant_power_C_reac	179.801	0.0	89.9005	0.0
load	N_1700092739	constant_power_A	327.008	107.482	163.504	53.741
load	N_1700092739	constant_power_B	327.008	107.482	163.504	53.741
load	N_1700092739	constant_power_A_real	327.008	0.0	163.504	0.0
load	N_1700092739	constant_power_B_real	327.008	0.0	163.504	0.0
load	N_1700092739	constant_power_A_reac	107.482	0.0	53.741	0.0
load	N_1700092739	constant_power_B_reac	107.482	0.0	53.741	0.0
load	N_1700018882	constant_power_A	48.4457	15.9233	24.22285	7.96165
load	N_1700018882	constant_power_B	48.4457	15.9233	24.22285	7.96165
load	N_1700018882	constant_power_C	48.4457	15.9233	24.22285	7.96165
load	N_1700018882	constant_power_A_real	48.4457	0.0	24.22285	0.0
load	N_1700018882	constant_power_B_real	48.4457	0.0	24.22285	0.0
load	N_1700018882	constant_power_C_real	48.4457	0.0	24.22285	0.0
load	N_1700018882	constant_power_A_reac	15.9233	0.0	7.96165	0.0
load	N_1700018882	constant_power_B_reac	15.9233	0.0	7.96165	0.0
load	N_1700018882	constant_power_C_reac	15.9233	0.0	7.96165	0.0
load	N_1700091782	constant_power_A	308.841	101.511	154.4205	50.7555
load	N_1700091782	constant_power_B	308.841	101.511	154.4205	50.7555
load	N_1700091782	constant_power_C	308.841	101.511	154.4205	50.7555
load	N_1700091782	constant_power_A_real	308.841	0.0	154.4205	0.0
load	N_1700091782	constant_power_B_real	308.841	0.0	154.4205	0.0
load	N_1700091782	constant_power_C_real	308.841	0.0	154.4205	0.0
load	N_1700091782	constant_power_A_reac	101.511	0.0	50.7555	0.0
load	N_1700091782	constant_power_B_reac	101.511	0.0	50.7555	0.0
load	N_1700091782	constant_power_C_reac	101.511	0.0	50.7555	0.0
load	N_1700069888	constant_power_A	726.684	238.849	363.342	119.4245
load	N_1700069888	constant_power_B	726.684	238.849	363.342	119.4245
load	N_1700069888	constant_power_C	726.684	238.849	363.342	119.4245
load	N_1700069888	constant_power_A_real	726.684	0.0	363.342	0.0
load	N_1700069888	constant_power_B_real	726.684	0.0	363.342	0.0
load	N_1700069888	constant_power_C_real	726.684	0.0	363.342	0.0
load	N_1700069888	constant_power_A_reac	238.849	0.0	119.4245	0.0
load	N_1700069888	constant_power_B_reac	238.849	0.0	119.4245	0.0
load	N_1700069888	constant_power_C_reac	238.849	0.0	119.4245	0.0
load	N_1700069889	constant_power_A	446.103	146.627	223.0515	73.3135
load	N_1700069889	constant_power_B	446.103	146.627	223.0515	73.3135
load	N_1700069889	constant_power_C	446.103	146.627	223.0515	73.3135
load	N_1700069889	constant_power_A_real	446.103	0.0	223.0515	0.0
load	N_1700069889	constant_power_B_real	446.103	0.0	223.0515	0.0
load	N_1700069889	constant_power_C_real	446.103	0.0	223.0515	0.0
load	N_1700069889	constant_power_A_reac	146.627	0.0	73.3135	0.0
load	N_1700069889	constant_power_B_reac	146.627	0.0	73.3135	0.0
load	N_1700069889	constant_power_C_reac	146.627	0.0	73.3135	0.0
load	N_1700093465	constant_power_A	523.818	172.171	261.909	86.0855
load	N_1700093465	constant_power_B	523.818	172.171	261.909	86.0855
load	N_1700093465	constant_power_A_real	523.818	0.0	261.909	0.0
load	N_1700093465	constant_power_B_real	523.818	0.0	261.909	0.0
load	N_1700093465	constant_power_A_reac	172.171	0.0	86.0855	0.0
load	N_1700093465	constant_power_B_reac	172.171	0.0	86.0855	0.0
load	N_1700001327	constant_power_A	4610.41	2857.27	2305.205	1428.635
load	N_1700001327	constant_power_B	4610.41	2857.27	2305.205	1428.635
load	N_1700001327	constant_power_C	4610.41	2857.27	2305.205	1428.635
load	N_1700001327	constant_power_A_real	4610.41	0.0	2305.205	0.0
load	N_1700001327	constant_power_B_real	4610.41	0.0	2305.205	0.0
load	N_1700001327	constant_power_C_real	4610.41	0.0	2305.205	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700001327	constant_power_A_reac	2857.27	0.0	1428.635	0.0
load	N_1700001327	constant_power_B_reac	2857.27	0.0	1428.635	0.0
load	N_1700001327	constant_power_C_reac	2857.27	0.0	1428.635	0.0
load	N_1700093923	constant_power_A	2549.45	837.964	1274.725	418.982
load	N_1700093923	constant_power_B	2549.45	837.964	1274.725	418.982
load	N_1700093923	constant_power_A_real	2549.45	0.0	1274.725	0.0
load	N_1700093923	constant_power_B_real	2549.45	0.0	1274.725	0.0
load	N_1700093923	constant_power_A_reac	837.964	0.0	418.982	0.0
load	N_1700093923	constant_power_B_reac	837.964	0.0	418.982	0.0
load	N_1700010383	constant_power_A	199.838	123.848	99.919	61.924
load	N_1700010383	constant_power_B	199.838	123.848	99.919	61.924
load	N_1700010383	constant_power_C	199.838	123.848	99.919	61.924
load	N_1700010383	constant_power_A_real	199.838	0.0	99.919	0.0
load	N_1700010383	constant_power_B_real	199.838	0.0	99.919	0.0
load	N_1700010383	constant_power_C_real	199.838	0.0	99.919	0.0
load	N_1700010383	constant_power_A_reac	123.848	0.0	61.924	0.0
load	N_1700010383	constant_power_B_reac	123.848	0.0	61.924	0.0
load	N_1700010383	constant_power_C_reac	123.848	0.0	61.924	0.0
load	N_1700008925	constant_power_A	1005.25	330.408	502.625	165.204
load	N_1700008925	constant_power_B	1005.25	330.408	502.625	165.204
load	N_1700008925	constant_power_A_real	1005.25	0.0	502.625	0.0
load	N_1700008925	constant_power_B_real	1005.25	0.0	502.625	0.0
load	N_1700008925	constant_power_A_reac	330.408	0.0	165.204	0.0
load	N_1700008925	constant_power_B_reac	330.408	0.0	165.204	0.0
load	N_1700093559	constant_power_A	838.715	275.672	419.3575	137.836
load	N_1700093559	constant_power_B	838.715	275.672	419.3575	137.836
load	N_1700093559	constant_power_A_real	838.715	0.0	419.3575	0.0
load	N_1700093559	constant_power_B_real	838.715	0.0	419.3575	0.0
load	N_1700093559	constant_power_A_reac	275.672	0.0	137.836	0.0
load	N_1700093559	constant_power_B_reac	275.672	0.0	137.836	0.0
load	N_1700093031	constant_power_A	448.122	147.291	224.061	73.6455
load	N_1700093031	constant_power_A_real	448.122	0.0	224.061	0.0
load	N_1700093031	constant_power_A_reac	147.291	0.0	73.6455	0.0
load	N_1700070128	constant_power_A	1080.94	355.289	540.47	177.6445
load	N_1700070128	constant_power_B	1080.94	355.289	540.47	177.6445
load	N_1700070128	constant_power_A_real	1080.94	0.0	540.47	0.0
load	N_1700070128	constant_power_B_real	1080.94	0.0	540.47	0.0
load	N_1700070128	constant_power_A_reac	355.289	0.0	177.6445	0.0
load	N_1700070128	constant_power_B_reac	355.289	0.0	177.6445	0.0
load	N_1700024063	constant_power_A	3609.2	2236.78	1804.6	1118.39
load	N_1700024063	constant_power_B	3609.2	2236.78	1804.6	1118.39
load	N_1700024063	constant_power_C	3609.2	2236.78	1804.6	1118.39
load	N_1700024063	constant_power_A_real	3609.2	0.0	1804.6	0.0
load	N_1700024063	constant_power_B_real	3609.2	0.0	1804.6	0.0
load	N_1700024063	constant_power_C_real	3609.2	0.0	1804.6	0.0
load	N_1700024063	constant_power_A_reac	2236.78	0.0	1118.39	0.0
load	N_1700024063	constant_power_B_reac	2236.78	0.0	1118.39	0.0
load	N_1700024063	constant_power_C_reac	2236.78	0.0	1118.39	0.0
load	N_1700024062	constant_power_A	712.554	441.601	356.277	220.8005
load	N_1700024062	constant_power_B	712.554	441.601	356.277	220.8005
load	N_1700024062	constant_power_C	712.554	441.601	356.277	220.8005
load	N_1700024062	constant_power_A_real	712.554	0.0	356.277	0.0
load	N_1700024062	constant_power_B_real	712.554	0.0	356.277	0.0
load	N_1700024062	constant_power_C_real	712.554	0.0	356.277	0.0
load	N_1700024062	constant_power_A_reac	441.601	0.0	220.8005	0.0
load	N_1700024062	constant_power_B_reac	441.601	0.0	220.8005	0.0
load	N_1700024062	constant_power_C_reac	441.601	0.0	220.8005	0.0
load	N_1700008928	constant_power_A	4176.41	2588.31	2088.205	1294.155
load	N_1700008928	constant_power_B	4176.41	2588.31	2088.205	1294.155
load	N_1700008928	constant_power_C	4176.41	2588.31	2088.205	1294.155
load	N_1700008928	constant_power_A_real	4176.41	0.0	2088.205	0.0
load	N_1700008928	constant_power_B_real	4176.41	0.0	2088.205	0.0
load	N_1700008928	constant_power_C_real	4176.41	0.0	2088.205	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700008928	constant_power_A_reac	2588.31	0.0	1294.155	0.0
load	N_1700008928	constant_power_B_reac	2588.31	0.0	1294.155	0.0
load	N_1700008928	constant_power_C_reac	2588.31	0.0	1294.155	0.0
load	N_1700093468	constant_power_A	690.35	226.907	345.175	113.4535
load	N_1700093468	constant_power_B	690.35	226.907	345.175	113.4535
load	N_1700093468	constant_power_A_real	690.35	0.0	345.175	0.0
load	N_1700093468	constant_power_B_real	690.35	0.0	345.175	0.0
load	N_1700093468	constant_power_A_reac	226.907	0.0	113.4535	0.0
load	N_1700093468	constant_power_B_reac	226.907	0.0	113.4535	0.0
load	N_1700018314	constant_power_A	106389.0	65933.8	53194.5	32966.9
load	N_1700018314	constant_power_B	106389.0	65933.8	53194.5	32966.9
load	N_1700018314	constant_power_C	106389.0	65933.8	53194.5	32966.9
load	N_1700018314	constant_power_A_real	106389.0	0.0	53194.5	0.0
load	N_1700018314	constant_power_B_real	106389.0	0.0	53194.5	0.0
load	N_1700018314	constant_power_C_real	106389.0	0.0	53194.5	0.0
load	N_1700018314	constant_power_A_reac	65933.8	0.0	32966.9	0.0
load	N_1700018314	constant_power_B_reac	65933.8	0.0	32966.9	0.0
load	N_1700018314	constant_power_C_reac	65933.8	0.0	32966.9	0.0
load	N_1700093463	constant_power_A	7527.24	2474.08	3763.62	1237.04
load	N_1700093463	constant_power_A_real	7527.24	0.0	3763.62	0.0
load	N_1700093463	constant_power_A_reac	2474.08	0.0	1237.04	0.0
load	N_1700093462	constant_power_A	599.514	242.29	299.757	121.145
load	N_1700093462	constant_power_B	599.514	242.29	299.757	121.145
load	N_1700093462	constant_power_C	599.514	242.29	299.757	121.145
load	N_1700093462	constant_power_A_real	599.514	0.0	299.757	0.0
load	N_1700093462	constant_power_B_real	599.514	0.0	299.757	0.0
load	N_1700093462	constant_power_C_real	599.514	0.0	299.757	0.0
load	N_1700093462	constant_power_A_reac	242.29	0.0	121.145	0.0
load	N_1700093462	constant_power_B_reac	242.29	0.0	121.145	0.0
load	N_1700093462	constant_power_C_reac	242.29	0.0	121.145	0.0
load	N_1700093460	constant_power_A	819.538	269.369	409.769	134.6845
load	N_1700093460	constant_power_B	819.538	269.369	409.769	134.6845
load	N_1700093460	constant_power_C	819.538	269.369	409.769	134.6845
load	N_1700093460	constant_power_A_real	819.538	0.0	409.769	0.0
load	N_1700093460	constant_power_B_real	819.538	0.0	409.769	0.0
load	N_1700093460	constant_power_C_real	819.538	0.0	409.769	0.0
load	N_1700093460	constant_power_A_reac	269.369	0.0	134.6845	0.0
load	N_1700093460	constant_power_B_reac	269.369	0.0	134.6845	0.0
load	N_1700093460	constant_power_C_reac	269.369	0.0	134.6845	0.0
load	N_1700093467	constant_power_A	1129.39	371.212	564.695	185.606
load	N_1700093467	constant_power_B	1129.39	371.212	564.695	185.606
load	N_1700093467	constant_power_A_real	1129.39	0.0	564.695	0.0
load	N_1700093467	constant_power_B_real	1129.39	0.0	564.695	0.0
load	N_1700093467	constant_power_A_reac	371.212	0.0	185.606	0.0
load	N_1700093467	constant_power_B_reac	371.212	0.0	185.606	0.0
load	N_1700093466	constant_power_A	18.167	5.9712	9.0835	2.9856
load	N_1700093466	constant_power_B	18.167	5.9712	9.0835	2.9856
load	N_1700093466	constant_power_A_real	18.167	0.0	9.0835	0.0
load	N_1700093466	constant_power_B_real	18.167	0.0	9.0835	0.0
load	N_1700093466	constant_power_A_reac	5.9712	0.0	2.9856	0.0
load	N_1700093466	constant_power_B_reac	5.9712	0.0	2.9856	0.0
load	N_1700096105	constant_power_A	3763.62	1819.57	1881.81	909.785
load	N_1700096105	constant_power_B	3763.62	1819.57	1881.81	909.785
load	N_1700096105	constant_power_A_real	3763.62	0.0	1881.81	0.0
load	N_1700096105	constant_power_B_real	3763.62	0.0	1881.81	0.0
load	N_1700096105	constant_power_A_reac	1819.57	0.0	909.785	0.0
load	N_1700096105	constant_power_B_reac	1819.57	0.0	909.785	0.0
load	N_1700093035	constant_power_A	2077.11	682.711	1038.555	341.3555
load	N_1700093035	constant_power_A_real	2077.11	0.0	1038.555	0.0
load	N_1700093035	constant_power_A_reac	682.711	0.0	341.3555	0.0
load	N_1700121775	constant_power_A	109.003	67.554	54.5015	33.777
load	N_1700121775	constant_power_A_real	109.003	0.0	54.5015	0.0
load	N_1700121775	constant_power_A_reac	67.554	0.0	33.777	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700121774	constant_power_A	4675.0	1536.6	2337.5	768.3
load	N_1700121774	constant_power_A_real	4675.0	0.0	2337.5	0.0
load	N_1700121774	constant_power_A_reac	1536.6	0.0	768.3	0.0
load	N_1700018087	constant_power_A	28000.0	20236.9	14000.0	10118.45
load	N_1700018087	constant_power_B	28000.0	20236.9	14000.0	10118.45
load	N_1700018087	constant_power_C	28000.0	20236.9	14000.0	10118.45
load	N_1700018087	constant_power_A_real	28000.0	0.0	14000.0	0.0
load	N_1700018087	constant_power_B_real	28000.0	0.0	14000.0	0.0
load	N_1700018087	constant_power_C_real	28000.0	0.0	14000.0	0.0
load	N_1700018087	constant_power_A_reac	20236.9	0.0	10118.45	0.0
load	N_1700018087	constant_power_B_reac	20236.9	0.0	10118.45	0.0
load	N_1700018087	constant_power_C_reac	20236.9	0.0	10118.45	0.0
load	N_1700018088	constant_power_A	11333.3	7023.77	5666.65	3511.885
load	N_1700018088	constant_power_B	11333.3	7023.77	5666.65	3511.885
load	N_1700018088	constant_power_C	11333.3	7023.77	5666.65	3511.885
load	N_1700018088	constant_power_A_real	11333.3	0.0	5666.65	0.0
load	N_1700018088	constant_power_B_real	11333.3	0.0	5666.65	0.0
load	N_1700018088	constant_power_C_real	11333.3	0.0	5666.65	0.0
load	N_1700018088	constant_power_A_reac	7023.77	0.0	3511.885	0.0
load	N_1700018088	constant_power_B_reac	7023.77	0.0	3511.885	0.0
load	N_1700018088	constant_power_C_reac	7023.77	0.0	3511.885	0.0
load	N_1700093086	constant_power_A	1165.72	383.154	582.86	191.577
load	N_1700093086	constant_power_B	1165.72	383.154	582.86	191.577
load	N_1700093086	constant_power_A_real	1165.72	0.0	582.86	0.0
load	N_1700093086	constant_power_B_real	1165.72	0.0	582.86	0.0
load	N_1700093086	constant_power_A_reac	383.154	0.0	191.577	0.0
load	N_1700093086	constant_power_B_reac	383.154	0.0	191.577	0.0
load	N_1700094522	constant_power_A	9019.38	5589.71	4509.69	2794.855
load	N_1700094522	constant_power_B	9019.38	5589.71	4509.69	2794.855
load	N_1700094522	constant_power_C	9019.38	5589.71	4509.69	2794.855
load	N_1700094522	constant_power_A_real	9019.38	0.0	4509.69	0.0
load	N_1700094522	constant_power_B_real	9019.38	0.0	4509.69	0.0
load	N_1700094522	constant_power_C_real	9019.38	0.0	4509.69	0.0
load	N_1700094522	constant_power_A_reac	5589.71	0.0	2794.855	0.0
load	N_1700094522	constant_power_B_reac	5589.71	0.0	2794.855	0.0
load	N_1700094522	constant_power_C_reac	5589.71	0.0	2794.855	0.0
load	N_1700094683	constant_power_A	333.064	111.235	166.532	55.6175
load	N_1700094683	constant_power_B	333.064	111.235	166.532	55.6175
load	N_1700094683	constant_power_C	333.064	111.235	166.532	55.6175
load	N_1700094683	constant_power_A_real	333.064	0.0	166.532	0.0
load	N_1700094683	constant_power_B_real	333.064	0.0	166.532	0.0
load	N_1700094683	constant_power_C_real	333.064	0.0	166.532	0.0
load	N_1700094683	constant_power_A_reac	111.235	0.0	55.6175	0.0
load	N_1700094683	constant_power_B_reac	111.235	0.0	55.6175	0.0
load	N_1700094683	constant_power_C_reac	111.235	0.0	55.6175	0.0
load	N_1700094529	constant_power_A	5631.8	1851.08	2815.9	925.54
load	N_1700094529	constant_power_B	5631.8	1851.08	2815.9	925.54
load	N_1700094529	constant_power_A_real	5631.8	0.0	2815.9	0.0
load	N_1700094529	constant_power_B_real	5631.8	0.0	2815.9	0.0
load	N_1700094529	constant_power_A_reac	1851.08	0.0	925.54	0.0
load	N_1700094529	constant_power_B_reac	1851.08	0.0	925.54	0.0
load	N_1700094686	constant_power_A	27.251	16.8887	13.6255	8.44435
load	N_1700094686	constant_power_B	27.251	16.8887	13.6255	8.44435
load	N_1700094686	constant_power_A_real	27.251	0.0	13.6255	0.0
load	N_1700094686	constant_power_B_real	27.251	0.0	13.6255	0.0
load	N_1700094686	constant_power_A_reac	16.8887	0.0	8.44435	0.0
load	N_1700094686	constant_power_B_reac	16.8887	0.0	8.44435	0.0
load	N_1700094687	constant_power_A	1136.45	704.311	568.225	352.1555
load	N_1700094687	constant_power_B	1136.45	704.311	568.225	352.1555
load	N_1700094687	constant_power_C	1136.45	704.311	568.225	352.1555
load	N_1700094687	constant_power_A_real	1136.45	0.0	568.225	0.0
load	N_1700094687	constant_power_B_real	1136.45	0.0	568.225	0.0
load	N_1700094687	constant_power_C_real	1136.45	0.0	568.225	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094687	constant_power_A_reac	704.311	0.0	352.1555	0.0
load	N_1700094687	constant_power_B_reac	704.311	0.0	352.1555	0.0
load	N_1700094687	constant_power_C_reac	704.311	0.0	352.1555	0.0
load	N_1700091737	constant_power_A	508.679	315.251	254.3395	157.6255
load	N_1700091737	constant_power_B	508.679	315.251	254.3395	157.6255
load	N_1700091737	constant_power_C	508.679	315.251	254.3395	157.6255
load	N_1700091737	constant_power_A_real	508.679	0.0	254.3395	0.0
load	N_1700091737	constant_power_B_real	508.679	0.0	254.3395	0.0
load	N_1700091737	constant_power_C_real	508.679	0.0	254.3395	0.0
load	N_1700091737	constant_power_A_reac	315.251	0.0	157.6255	0.0
load	N_1700091737	constant_power_B_reac	315.251	0.0	157.6255	0.0
load	N_1700091737	constant_power_C_reac	315.251	0.0	157.6255	0.0
load	N_1700091736	constant_power_A	55333.3	34292.5	27666.65	17146.25
load	N_1700091736	constant_power_B	55333.3	34292.5	27666.65	17146.25
load	N_1700091736	constant_power_C	55333.3	34292.5	27666.65	17146.25
load	N_1700091736	constant_power_A_real	55333.3	0.0	27666.65	0.0
load	N_1700091736	constant_power_B_real	55333.3	0.0	27666.65	0.0
load	N_1700091736	constant_power_C_real	55333.3	0.0	27666.65	0.0
load	N_1700091736	constant_power_A_reac	34292.5	0.0	17146.25	0.0
load	N_1700091736	constant_power_B_reac	34292.5	0.0	17146.25	0.0
load	N_1700091736	constant_power_C_reac	34292.5	0.0	17146.25	0.0
load	N_1700022810	constant_power_A	13423.5	8319.12	6711.75	4159.56
load	N_1700022810	constant_power_B	13423.5	8319.12	6711.75	4159.56
load	N_1700022810	constant_power_C	13423.5	8319.12	6711.75	4159.56
load	N_1700022810	constant_power_A_real	13423.5	0.0	6711.75	0.0
load	N_1700022810	constant_power_B_real	13423.5	0.0	6711.75	0.0
load	N_1700022810	constant_power_C_real	13423.5	0.0	6711.75	0.0
load	N_1700022810	constant_power_A_reac	8319.12	0.0	4159.56	0.0
load	N_1700022810	constant_power_B_reac	8319.12	0.0	4159.56	0.0
load	N_1700022810	constant_power_C_reac	8319.12	0.0	4159.56	0.0
load	N_1700018801	constant_power_A	167.541	103.833	83.7705	51.9165
load	N_1700018801	constant_power_B	167.541	103.833	83.7705	51.9165
load	N_1700018801	constant_power_C	167.541	103.833	83.7705	51.9165
load	N_1700018801	constant_power_A_real	167.541	0.0	83.7705	0.0
load	N_1700018801	constant_power_B_real	167.541	0.0	83.7705	0.0
load	N_1700018801	constant_power_C_real	167.541	0.0	83.7705	0.0
load	N_1700018801	constant_power_A_reac	103.833	0.0	51.9165	0.0
load	N_1700018801	constant_power_B_reac	103.833	0.0	51.9165	0.0
load	N_1700018801	constant_power_C_reac	103.833	0.0	51.9165	0.0
load	N_1700091739	constant_power_A	10863.5	6732.62	5431.75	3366.31
load	N_1700091739	constant_power_B	10863.5	6732.62	5431.75	3366.31
load	N_1700091739	constant_power_C	10863.5	6732.62	5431.75	3366.31
load	N_1700091739	constant_power_A_real	10863.5	0.0	5431.75	0.0
load	N_1700091739	constant_power_B_real	10863.5	0.0	5431.75	0.0
load	N_1700091739	constant_power_C_real	10863.5	0.0	5431.75	0.0
load	N_1700091739	constant_power_A_reac	6732.62	0.0	3366.31	0.0
load	N_1700091739	constant_power_B_reac	6732.62	0.0	3366.31	0.0
load	N_1700091739	constant_power_C_reac	6732.62	0.0	3366.31	0.0
load	N_1700062306	constant_power_A	3715.17	1221.12	1857.585	610.56
load	N_1700062306	constant_power_B	3715.17	1221.12	1857.585	610.56
load	N_1700062306	constant_power_A_real	3715.17	0.0	1857.585	0.0
load	N_1700062306	constant_power_B_real	3715.17	0.0	1857.585	0.0
load	N_1700062306	constant_power_A_reac	1221.12	0.0	610.56	0.0
load	N_1700062306	constant_power_B_reac	1221.12	0.0	610.56	0.0
load	N_1700062307	constant_power_A	1056.72	347.327	528.36	173.6635
load	N_1700062307	constant_power_B	1056.72	347.327	528.36	173.6635
load	N_1700062307	constant_power_A_real	1056.72	0.0	528.36	0.0
load	N_1700062307	constant_power_B_real	1056.72	0.0	528.36	0.0
load	N_1700062307	constant_power_A_reac	347.327	0.0	173.6635	0.0
load	N_1700062307	constant_power_B_reac	347.327	0.0	173.6635	0.0
load	N_1700062301	constant_power_A	389.583	241.442	194.7915	120.721
load	N_1700062301	constant_power_B	389.583	241.442	194.7915	120.721
load	N_1700062301	constant_power_C	389.583	241.442	194.7915	120.721

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700062301	constant_power_A_real	389.583	0.0	194.7915	0.0
load	N_1700062301	constant_power_B_real	389.583	0.0	194.7915	0.0
load	N_1700062301	constant_power_C_real	389.583	0.0	194.7915	0.0
load	N_1700062301	constant_power_A_reac	241.442	0.0	120.721	0.0
load	N_1700062301	constant_power_B_reac	241.442	0.0	120.721	0.0
load	N_1700062301	constant_power_C_reac	241.442	0.0	120.721	0.0
load	N_1700089334	constant_power_A	1120.31	368.226	560.155	184.113
load	N_1700089334	constant_power_A_real	1120.31	0.0	560.155	0.0
load	N_1700089334	constant_power_A_reac	368.226	0.0	184.113	0.0
load	N_1700089331	constant_power_A	563.18	185.108	281.59	92.554
load	N_1700089331	constant_power_A_real	563.18	0.0	281.59	0.0
load	N_1700089331	constant_power_A_reac	185.108	0.0	92.554	0.0
load	N_1700062308	constant_power_A	1874.24	616.033	937.12	308.0165
load	N_1700062308	constant_power_B	1874.24	616.033	937.12	308.0165
load	N_1700062308	constant_power_A_real	1874.24	0.0	937.12	0.0
load	N_1700062308	constant_power_B_real	1874.24	0.0	937.12	0.0
load	N_1700062308	constant_power_A_reac	616.033	0.0	308.0165	0.0
load	N_1700062308	constant_power_B_reac	616.033	0.0	308.0165	0.0
load	N_1700062309	constant_power_A	2682.68	881.753	1341.34	440.8765
load	N_1700062309	constant_power_B	2682.68	881.753	1341.34	440.8765
load	N_1700062309	constant_power_A_real	2682.68	0.0	1341.34	0.0
load	N_1700062309	constant_power_B_real	2682.68	0.0	1341.34	0.0
load	N_1700062309	constant_power_A_reac	881.753	0.0	440.8765	0.0
load	N_1700062309	constant_power_B_reac	881.753	0.0	440.8765	0.0
load	N_1700093908	constant_power_A	573.273	188.426	286.6365	94.213
load	N_1700093908	constant_power_B	573.273	188.426	286.6365	94.213
load	N_1700093908	constant_power_C	573.273	188.426	286.6365	94.213
load	N_1700093908	constant_power_A_real	573.273	0.0	286.6365	0.0
load	N_1700093908	constant_power_B_real	573.273	0.0	286.6365	0.0
load	N_1700093908	constant_power_C_real	573.273	0.0	286.6365	0.0
load	N_1700093908	constant_power_A_reac	188.426	0.0	94.213	0.0
load	N_1700093908	constant_power_B_reac	188.426	0.0	94.213	0.0
load	N_1700093908	constant_power_C_reac	188.426	0.0	94.213	0.0
load	N_170009792	constant_power_A	1180.86	388.131	590.43	194.0655
load	N_170009792	constant_power_B	1180.86	388.131	590.43	194.0655
load	N_170009792	constant_power_A_real	1180.86	0.0	590.43	0.0
load	N_170009792	constant_power_B_real	1180.86	0.0	590.43	0.0
load	N_170009792	constant_power_A_reac	388.131	0.0	194.0655	0.0
load	N_170009792	constant_power_B_reac	388.131	0.0	194.0655	0.0
load	N_1700093512	constant_power_A	1106.17	685.545	553.085	342.7725
load	N_1700093512	constant_power_B	1106.17	685.545	553.085	342.7725
load	N_1700093512	constant_power_C	1106.17	685.545	553.085	342.7725
load	N_1700093512	constant_power_A_real	1106.17	0.0	553.085	0.0
load	N_1700093512	constant_power_B_real	1106.17	0.0	553.085	0.0
load	N_1700093512	constant_power_C_real	1106.17	0.0	553.085	0.0
load	N_1700093512	constant_power_A_reac	685.545	0.0	342.7725	0.0
load	N_1700093512	constant_power_B_reac	685.545	0.0	342.7725	0.0
load	N_1700093512	constant_power_C_reac	685.545	0.0	342.7725	0.0
load	N_1700093511	constant_power_A	1255.55	412.679	627.775	206.3395
load	N_1700093511	constant_power_B	1255.55	412.679	627.775	206.3395
load	N_1700093511	constant_power_C	1255.55	412.679	627.775	206.3395
load	N_1700093511	constant_power_A_real	1255.55	0.0	627.775	0.0
load	N_1700093511	constant_power_B_real	1255.55	0.0	627.775	0.0
load	N_1700093511	constant_power_C_real	1255.55	0.0	627.775	0.0
load	N_1700093511	constant_power_A_reac	412.679	0.0	206.3395	0.0
load	N_1700093511	constant_power_B_reac	412.679	0.0	206.3395	0.0
load	N_1700093511	constant_power_C_reac	412.679	0.0	206.3395	0.0
load	N_1700093510	constant_power_A	651.997	214.301	325.9985	107.1505
load	N_1700093510	constant_power_B	651.997	214.301	325.9985	107.1505
load	N_1700093510	constant_power_C	651.997	214.301	325.9985	107.1505
load	N_1700093510	constant_power_A_real	651.997	0.0	325.9985	0.0
load	N_1700093510	constant_power_B_real	651.997	0.0	325.9985	0.0
load	N_1700093510	constant_power_C_real	651.997	0.0	325.9985	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093510	constant_power_A_reac	214.301	0.0	107.1505	0.0
load	N_1700093510	constant_power_B_reac	214.301	0.0	107.1505	0.0
load	N_1700093510	constant_power_C_reac	214.301	0.0	107.1505	0.0
load	N_1700093901	constant_power_A	3875.65	2401.91	1937.825	1200.955
load	N_1700093901	constant_power_B	3875.65	2401.91	1937.825	1200.955
load	N_1700093901	constant_power_C	3875.65	2401.91	1937.825	1200.955
load	N_1700093901	constant_power_A_real	3875.65	0.0	1937.825	0.0
load	N_1700093901	constant_power_B_real	3875.65	0.0	1937.825	0.0
load	N_1700093901	constant_power_C_real	3875.65	0.0	1937.825	0.0
load	N_1700093901	constant_power_A_reac	2401.91	0.0	1200.955	0.0
load	N_1700093901	constant_power_B_reac	2401.91	0.0	1200.955	0.0
load	N_1700093901	constant_power_C_reac	2401.91	0.0	1200.955	0.0
load	N_1700011089	constant_power_A	264.432	130.392	132.216	65.196
load	N_1700011089	constant_power_B	264.432	130.392	132.216	65.196
load	N_1700011089	constant_power_C	264.432	130.392	132.216	65.196
load	N_1700011089	constant_power_A_real	264.432	0.0	132.216	0.0
load	N_1700011089	constant_power_B_real	264.432	0.0	132.216	0.0
load	N_1700011089	constant_power_C_real	264.432	0.0	132.216	0.0
load	N_1700011089	constant_power_A_reac	130.392	0.0	65.196	0.0
load	N_1700011089	constant_power_B_reac	130.392	0.0	65.196	0.0
load	N_1700011089	constant_power_C_reac	130.392	0.0	65.196	0.0
load	N_1700011088	constant_power_A	3112.63	1023.07	1556.315	511.535
load	N_1700011088	constant_power_B	3112.63	1023.07	1556.315	511.535
load	N_1700011088	constant_power_A_real	3112.63	0.0	1556.315	0.0
load	N_1700011088	constant_power_B_real	3112.63	0.0	1556.315	0.0
load	N_1700011088	constant_power_A_reac	1023.07	0.0	511.535	0.0
load	N_1700011088	constant_power_B_reac	1023.07	0.0	511.535	0.0
load	N_1700093088	constant_power_A	493.54	162.219	246.77	81.1095
load	N_1700093088	constant_power_B	493.54	162.219	246.77	81.1095
load	N_1700093088	constant_power_A_real	493.54	0.0	246.77	0.0
load	N_1700093088	constant_power_B_real	493.54	0.0	246.77	0.0
load	N_1700093088	constant_power_A_reac	162.219	0.0	81.1095	0.0
load	N_1700093088	constant_power_B_reac	162.219	0.0	81.1095	0.0
load	N_1700093519	constant_power_A	573.273	188.426	286.6365	94.213
load	N_1700093519	constant_power_B	573.273	188.426	286.6365	94.213
load	N_1700093519	constant_power_C	573.273	188.426	286.6365	94.213
load	N_1700093519	constant_power_A_real	573.273	0.0	286.6365	0.0
load	N_1700093519	constant_power_B_real	573.273	0.0	286.6365	0.0
load	N_1700093519	constant_power_C_real	573.273	0.0	286.6365	0.0
load	N_1700093519	constant_power_A_reac	188.426	0.0	94.213	0.0
load	N_1700093519	constant_power_B_reac	188.426	0.0	94.213	0.0
load	N_1700093519	constant_power_C_reac	188.426	0.0	94.213	0.0
load	N_1700093907	constant_power_A	2679.65	880.758	1339.825	440.379
load	N_1700093907	constant_power_B	2679.65	880.758	1339.825	440.379
load	N_1700093907	constant_power_A_real	2679.65	0.0	1339.825	0.0
load	N_1700093907	constant_power_B_real	2679.65	0.0	1339.825	0.0
load	N_1700093907	constant_power_A_reac	880.758	0.0	440.379	0.0
load	N_1700093907	constant_power_B_reac	880.758	0.0	440.379	0.0
load	N_1700121887	constant_power_A	12000.0	7436.93	6000.0	3718.465
load	N_1700121887	constant_power_B	12000.0	7436.93	6000.0	3718.465
load	N_1700121887	constant_power_C	12000.0	7436.93	6000.0	3718.465
load	N_1700121887	constant_power_A_real	12000.0	0.0	6000.0	0.0
load	N_1700121887	constant_power_B_real	12000.0	0.0	6000.0	0.0
load	N_1700121887	constant_power_C_real	12000.0	0.0	6000.0	0.0
load	N_1700121887	constant_power_A_reac	7436.93	0.0	3718.465	0.0
load	N_1700121887	constant_power_B_reac	7436.93	0.0	3718.465	0.0
load	N_1700121887	constant_power_C_reac	7436.93	0.0	3718.465	0.0
load	N_1700087546	constant_power_C	744.851	244.821	372.4255	122.4105
load	N_1700087546	constant_power_C_real	744.851	0.0	372.4255	0.0
load	N_1700087546	constant_power_C_reac	244.821	0.0	122.4105	0.0
load	N_1700093863	constant_power_A	536.939	200.572	268.4695	100.286
load	N_1700093863	constant_power_B	536.939	200.572	268.4695	100.286
load	N_1700093863	constant_power_C	536.939	200.572	268.4695	100.286

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093863	constant_power_A_real	536.939	0.0	268.4695	0.0
load	N_1700093863	constant_power_B_real	536.939	0.0	268.4695	0.0
load	N_1700093863	constant_power_C_real	536.939	0.0	268.4695	0.0
load	N_1700093863	constant_power_A_reac	200.572	0.0	100.286	0.0
load	N_1700093863	constant_power_B_reac	200.572	0.0	100.286	0.0
load	N_1700093863	constant_power_C_reac	200.572	0.0	100.286	0.0
load	N_1700093862	constant_power_A	39.362	12.9377	19.681	6.46885
load	N_1700093862	constant_power_B	39.362	12.9377	19.681	6.46885
load	N_1700093862	constant_power_A_real	39.362	0.0	19.681	0.0
load	N_1700093862	constant_power_B_real	39.362	0.0	19.681	0.0
load	N_1700093862	constant_power_A_reac	12.9377	0.0	6.46885	0.0
load	N_1700093862	constant_power_B_reac	12.9377	0.0	6.46885	0.0
load	N_1700053154	constant_power_A	14000.0	8676.42	7000.0	4338.21
load	N_1700053154	constant_power_B	14000.0	8676.42	7000.0	4338.21
load	N_1700053154	constant_power_C	14000.0	8676.42	7000.0	4338.21
load	N_1700053154	constant_power_A_real	14000.0	0.0	7000.0	0.0
load	N_1700053154	constant_power_B_real	14000.0	0.0	7000.0	0.0
load	N_1700053154	constant_power_C_real	14000.0	0.0	7000.0	0.0
load	N_1700053154	constant_power_A_reac	8676.42	0.0	4338.21	0.0
load	N_1700053154	constant_power_B_reac	8676.42	0.0	4338.21	0.0
load	N_1700053154	constant_power_C_reac	8676.42	0.0	4338.21	0.0
load	N_1700094456	constant_power_A	27333.3	16939.7	13666.65	8469.85
load	N_1700094456	constant_power_B	27333.3	16939.7	13666.65	8469.85
load	N_1700094456	constant_power_C	27333.3	16939.7	13666.65	8469.85
load	N_1700094456	constant_power_A_real	27333.3	0.0	13666.65	0.0
load	N_1700094456	constant_power_B_real	27333.3	0.0	13666.65	0.0
load	N_1700094456	constant_power_C_real	27333.3	0.0	13666.65	0.0
load	N_1700094456	constant_power_A_reac	16939.7	0.0	8469.85	0.0
load	N_1700094456	constant_power_B_reac	16939.7	0.0	8469.85	0.0
load	N_1700094456	constant_power_C_reac	16939.7	0.0	8469.85	0.0
load	N_1700062002	constant_power_A	3466.89	1139.51	1733.445	569.755
load	N_1700062002	constant_power_B	3466.89	1139.51	1733.445	569.755
load	N_1700062002	constant_power_A_real	3466.89	0.0	1733.445	0.0
load	N_1700062002	constant_power_B_real	3466.89	0.0	1733.445	0.0
load	N_1700062002	constant_power_A_reac	1139.51	0.0	569.755	0.0
load	N_1700062002	constant_power_B_reac	1139.51	0.0	569.755	0.0
load	N_1700009959	constant_power_A	534.92	175.82	267.46	87.91
load	N_1700009959	constant_power_B	534.92	175.82	267.46	87.91
load	N_1700009959	constant_power_C	534.92	175.82	267.46	87.91
load	N_1700009959	constant_power_A_real	534.92	0.0	267.46	0.0
load	N_1700009959	constant_power_B_real	534.92	0.0	267.46	0.0
load	N_1700009959	constant_power_C_real	534.92	0.0	267.46	0.0
load	N_1700009959	constant_power_A_reac	175.82	0.0	87.91	0.0
load	N_1700009959	constant_power_B_reac	175.82	0.0	87.91	0.0
load	N_1700009959	constant_power_C_reac	175.82	0.0	87.91	0.0
load	N_1700092782	constant_power_A	196.81	64.6883	98.405	32.34415
load	N_1700092782	constant_power_B	196.81	64.6883	98.405	32.34415
load	N_1700092782	constant_power_A_real	196.81	0.0	98.405	0.0
load	N_1700092782	constant_power_B_real	196.81	0.0	98.405	0.0
load	N_1700092782	constant_power_A_reac	64.6883	0.0	32.34415	0.0
load	N_1700092782	constant_power_B_reac	64.6883	0.0	32.34415	0.0
load	N_1700092785	constant_power_A	826.603	271.691	413.3015	135.8455
load	N_1700092785	constant_power_B	826.603	271.691	413.3015	135.8455
load	N_1700092785	constant_power_A_real	826.603	0.0	413.3015	0.0
load	N_1700092785	constant_power_B_real	826.603	0.0	413.3015	0.0
load	N_1700092785	constant_power_A_reac	271.691	0.0	135.8455	0.0
load	N_1700092785	constant_power_B_reac	271.691	0.0	135.8455	0.0
load	N_1700093638	constant_power_A	1320.14	818.151	660.07	409.0755
load	N_1700093638	constant_power_B	1320.14	818.151	660.07	409.0755
load	N_1700093638	constant_power_A_real	1320.14	0.0	660.07	0.0
load	N_1700093638	constant_power_B_real	1320.14	0.0	660.07	0.0
load	N_1700093638	constant_power_A_reac	818.151	0.0	409.0755	0.0
load	N_1700093638	constant_power_B_reac	818.151	0.0	409.0755	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700092786	constant_power_A	42.39	13.9329	21.195	6.96645
load	N_1700092786	constant_power_B	42.39	13.9329	21.195	6.96645
load	N_1700092786	constant_power_A_real	42.39	0.0	21.195	0.0
load	N_1700092786	constant_power_B_real	42.39	0.0	21.195	0.0
load	N_1700092786	constant_power_A_reac	13.9329	0.0	6.96645	0.0
load	N_1700092786	constant_power_B_reac	13.9329	0.0	6.96645	0.0
load	N_1700092789	constant_power_A	2022.6	664.798	1011.3	332.399
load	N_1700092789	constant_power_B	2022.6	664.798	1011.3	332.399
load	N_1700092789	constant_power_A_real	2022.6	0.0	1011.3	0.0
load	N_1700092789	constant_power_B_real	2022.6	0.0	1011.3	0.0
load	N_1700092789	constant_power_A_reac	664.798	0.0	332.399	0.0
load	N_1700092789	constant_power_B_reac	664.798	0.0	332.399	0.0
load	N_1700019257	constant_power_A	2767.45	909.618	1383.725	454.809
load	N_1700019257	constant_power_B	2767.45	909.618	1383.725	454.809
load	N_1700019257	constant_power_A_real	2767.45	0.0	1383.725	0.0
load	N_1700019257	constant_power_B_real	2767.45	0.0	1383.725	0.0
load	N_1700019257	constant_power_A_reac	909.618	0.0	454.809	0.0
load	N_1700019257	constant_power_B_reac	909.618	0.0	454.809	0.0
load	N_1700093018	constant_power_A	2955.18	971.321	1477.59	485.6605
load	N_1700093018	constant_power_A_real	2955.18	0.0	1477.59	0.0
load	N_1700093018	constant_power_A_reac	971.321	0.0	485.6605	0.0
load	N_1700093019	constant_power_A	738.796	242.83	369.398	121.415
load	N_1700093019	constant_power_B	738.796	242.83	369.398	121.415
load	N_1700093019	constant_power_C	738.796	242.83	369.398	121.415
load	N_1700093019	constant_power_A_real	738.796	0.0	369.398	0.0
load	N_1700093019	constant_power_B_real	738.796	0.0	369.398	0.0
load	N_1700093019	constant_power_C_real	738.796	0.0	369.398	0.0
load	N_1700093019	constant_power_A_reac	242.83	0.0	121.415	0.0
load	N_1700093019	constant_power_B_reac	242.83	0.0	121.415	0.0
load	N_1700093019	constant_power_C_reac	242.83	0.0	121.415	0.0
load	N_1700093014	constant_power_A	2918.85	1808.94	1459.425	904.47
load	N_1700093014	constant_power_B	2918.85	1808.94	1459.425	904.47
load	N_1700093014	constant_power_C	2918.85	1808.94	1459.425	904.47
load	N_1700093014	constant_power_A_real	2918.85	0.0	1459.425	0.0
load	N_1700093014	constant_power_B_real	2918.85	0.0	1459.425	0.0
load	N_1700093014	constant_power_C_real	2918.85	0.0	1459.425	0.0
load	N_1700093014	constant_power_A_reac	1808.94	0.0	904.47	0.0
load	N_1700093014	constant_power_B_reac	1808.94	0.0	904.47	0.0
load	N_1700093014	constant_power_C_reac	1808.94	0.0	904.47	0.0
load	N_1700093010	constant_power_A	492.53	161.887	246.265	80.9435
load	N_1700093010	constant_power_B	492.53	161.887	246.265	80.9435
load	N_1700093010	constant_power_C	492.53	161.887	246.265	80.9435
load	N_1700093010	constant_power_A_real	492.53	0.0	246.265	0.0
load	N_1700093010	constant_power_B_real	492.53	0.0	246.265	0.0
load	N_1700093010	constant_power_C_real	492.53	0.0	246.265	0.0
load	N_1700093010	constant_power_A_reac	161.887	0.0	80.9435	0.0
load	N_1700093010	constant_power_B_reac	161.887	0.0	80.9435	0.0
load	N_1700093010	constant_power_C_reac	161.887	0.0	80.9435	0.0
load	N_1700010415	constant_power_A	1259.59	414.006	629.795	207.003
load	N_1700010415	constant_power_B	1259.59	414.006	629.795	207.003
load	N_1700010415	constant_power_C	1259.59	414.006	629.795	207.003
load	N_1700010415	constant_power_A_real	1259.59	0.0	629.795	0.0
load	N_1700010415	constant_power_B_real	1259.59	0.0	629.795	0.0
load	N_1700010415	constant_power_C_real	1259.59	0.0	629.795	0.0
load	N_1700010415	constant_power_A_reac	414.006	0.0	207.003	0.0
load	N_1700010415	constant_power_B_reac	414.006	0.0	207.003	0.0
load	N_1700010415	constant_power_C_reac	414.006	0.0	207.003	0.0
load	N_1700093639	constant_power_A	365.361	120.088	182.6805	60.044
load	N_1700093639	constant_power_B	365.361	120.088	182.6805	60.044
load	N_1700093639	constant_power_C	365.361	120.088	182.6805	60.044
load	N_1700093639	constant_power_A_real	365.361	0.0	182.6805	0.0
load	N_1700093639	constant_power_B_real	365.361	0.0	182.6805	0.0
load	N_1700093639	constant_power_C_real	365.361	0.0	182.6805	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093639	constant_power_A_reac	120.088	0.0	60.044	0.0
load	N_1700093639	constant_power_B_reac	120.088	0.0	60.044	0.0
load	N_1700093639	constant_power_C_reac	120.088	0.0	60.044	0.0
load	N_1700093390	constant_power_A	36.334	22.5178	18.167	11.2589
load	N_1700093390	constant_power_B	36.334	22.5178	18.167	11.2589
load	N_1700093390	constant_power_A_real	36.334	0.0	18.167	0.0
load	N_1700093390	constant_power_B_real	36.334	0.0	18.167	0.0
load	N_1700093390	constant_power_A_reac	22.5178	0.0	11.2589	0.0
load	N_1700093390	constant_power_B_reac	22.5178	0.0	11.2589	0.0
load	N_1700055509	constant_power_A	1998.38	1238.49	999.19	619.245
load	N_1700055509	constant_power_B	1998.38	1238.49	999.19	619.245
load	N_1700055509	constant_power_C	1998.38	1238.49	999.19	619.245
load	N_1700055509	constant_power_A_real	1998.38	0.0	999.19	0.0
load	N_1700055509	constant_power_B_real	1998.38	0.0	999.19	0.0
load	N_1700055509	constant_power_C_real	1998.38	0.0	999.19	0.0
load	N_1700055509	constant_power_A_reac	1238.49	0.0	619.245	0.0
load	N_1700055509	constant_power_B_reac	1238.49	0.0	619.245	0.0
load	N_1700055509	constant_power_C_reac	1238.49	0.0	619.245	0.0
load	N_1700018422	constant_power_A	591.44	194.397	295.72	97.1985
load	N_1700018422	constant_power_B	591.44	194.397	295.72	97.1985
load	N_1700018422	constant_power_C	591.44	194.397	295.72	97.1985
load	N_1700018422	constant_power_A_real	591.44	0.0	295.72	0.0
load	N_1700018422	constant_power_B_real	591.44	0.0	295.72	0.0
load	N_1700018422	constant_power_C_real	591.44	0.0	295.72	0.0
load	N_1700018422	constant_power_A_reac	194.397	0.0	97.1985	0.0
load	N_1700018422	constant_power_B_reac	194.397	0.0	97.1985	0.0
load	N_1700018422	constant_power_C_reac	194.397	0.0	97.1985	0.0
load	N_1700018420	constant_power_A	363.342	119.425	181.671	59.7125
load	N_1700018420	constant_power_B	363.342	119.425	181.671	59.7125
load	N_1700018420	constant_power_C	363.342	119.425	181.671	59.7125
load	N_1700018420	constant_power_A_real	363.342	0.0	181.671	0.0
load	N_1700018420	constant_power_B_real	363.342	0.0	181.671	0.0
load	N_1700018420	constant_power_C_real	363.342	0.0	181.671	0.0
load	N_1700018420	constant_power_A_reac	119.425	0.0	59.7125	0.0
load	N_1700018420	constant_power_B_reac	119.425	0.0	59.7125	0.0
load	N_1700018420	constant_power_C_reac	119.425	0.0	59.7125	0.0
load	N_1700077488	constant_power_A	30.2787	9.95212	15.13935	4.97606
load	N_1700077488	constant_power_B	30.2787	9.95212	15.13935	4.97606
load	N_1700077488	constant_power_C	30.2787	9.95212	15.13935	4.97606
load	N_1700077488	constant_power_A_real	30.2787	0.0	15.13935	0.0
load	N_1700077488	constant_power_B_real	30.2787	0.0	15.13935	0.0
load	N_1700077488	constant_power_C_real	30.2787	0.0	15.13935	0.0
load	N_1700077488	constant_power_A_reac	9.95212	0.0	4.97606	0.0
load	N_1700077488	constant_power_B_reac	9.95212	0.0	4.97606	0.0
load	N_1700077488	constant_power_C_reac	9.95212	0.0	4.97606	0.0
load	N_1700093398	constant_power_A	433.992	268.964	216.996	134.482
load	N_1700093398	constant_power_B	433.992	268.964	216.996	134.482
load	N_1700093398	constant_power_C	433.992	268.964	216.996	134.482
load	N_1700093398	constant_power_A_real	433.992	0.0	216.996	0.0
load	N_1700093398	constant_power_B_real	433.992	0.0	216.996	0.0
load	N_1700093398	constant_power_C_real	433.992	0.0	216.996	0.0
load	N_1700093398	constant_power_A_reac	268.964	0.0	134.482	0.0
load	N_1700093398	constant_power_B_reac	268.964	0.0	134.482	0.0
load	N_1700093398	constant_power_C_reac	268.964	0.0	134.482	0.0
load	N_1700061574	constant_power_A	1693.58	631.855	846.79	315.9275
load	N_1700061574	constant_power_B	1693.58	631.855	846.79	315.9275
load	N_1700061574	constant_power_C	1693.58	631.855	846.79	315.9275
load	N_1700061574	constant_power_A_real	1693.58	0.0	846.79	0.0
load	N_1700061574	constant_power_B_real	1693.58	0.0	846.79	0.0
load	N_1700061574	constant_power_C_real	1693.58	0.0	846.79	0.0
load	N_1700061574	constant_power_A_reac	631.855	0.0	315.9275	0.0
load	N_1700061574	constant_power_B_reac	631.855	0.0	315.9275	0.0
load	N_1700061574	constant_power_C_reac	631.855	0.0	315.9275	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700061575	constant_power_A	373.435	122.742	186.7175	61.371
load	N_1700061575	constant_power_B	373.435	122.742	186.7175	61.371
load	N_1700061575	constant_power_C	373.435	122.742	186.7175	61.371
load	N_1700061575	constant_power_A_real	373.435	0.0	186.7175	0.0
load	N_1700061575	constant_power_B_real	373.435	0.0	186.7175	0.0
load	N_1700061575	constant_power_C_real	373.435	0.0	186.7175	0.0
load	N_1700061575	constant_power_A_reac	122.742	0.0	61.371	0.0
load	N_1700061575	constant_power_B_reac	122.742	0.0	61.371	0.0
load	N_1700061575	constant_power_C_reac	122.742	0.0	61.371	0.0
load	N_1700061577	constant_power_A	529.874	174.161	264.937	87.0805
load	N_1700061577	constant_power_B	529.874	174.161	264.937	87.0805
load	N_1700061577	constant_power_A_real	529.874	0.0	264.937	0.0
load	N_1700061577	constant_power_B_real	529.874	0.0	264.937	0.0
load	N_1700061577	constant_power_A_reac	174.161	0.0	87.0805	0.0
load	N_1700061577	constant_power_B_reac	174.161	0.0	87.0805	0.0
load	N_1700273677	constant_power_A	1433.18	888.207	716.59	444.1035
load	N_1700273677	constant_power_B	1433.18	888.207	716.59	444.1035
load	N_1700273677	constant_power_C	1433.18	888.207	716.59	444.1035
load	N_1700273677	constant_power_A_real	1433.18	0.0	716.59	0.0
load	N_1700273677	constant_power_B_real	1433.18	0.0	716.59	0.0
load	N_1700273677	constant_power_C_real	1433.18	0.0	716.59	0.0
load	N_1700273677	constant_power_A_reac	888.207	0.0	444.1035	0.0
load	N_1700273677	constant_power_B_reac	888.207	0.0	444.1035	0.0
load	N_1700273677	constant_power_C_reac	888.207	0.0	444.1035	0.0
load	N_1700061572	constant_power_A	89864.6	55693.1	44932.3	27846.55
load	N_1700061572	constant_power_B	89864.6	55693.1	44932.3	27846.55
load	N_1700061572	constant_power_C	89864.6	55693.1	44932.3	27846.55
load	N_1700061572	constant_power_A_real	89864.6	0.0	44932.3	0.0
load	N_1700061572	constant_power_B_real	89864.6	0.0	44932.3	0.0
load	N_1700061572	constant_power_C_real	89864.6	0.0	44932.3	0.0
load	N_1700061572	constant_power_A_reac	55693.1	0.0	27846.55	0.0
load	N_1700061572	constant_power_B_reac	55693.1	0.0	27846.55	0.0
load	N_1700061572	constant_power_C_reac	55693.1	0.0	27846.55	0.0
load	N_1700061573	constant_power_A	2805.81	922.224	1402.905	461.112
load	N_1700061573	constant_power_B	2805.81	922.224	1402.905	461.112
load	N_1700061573	constant_power_C	2805.81	922.224	1402.905	461.112
load	N_1700061573	constant_power_A_real	2805.81	0.0	1402.905	0.0
load	N_1700061573	constant_power_B_real	2805.81	0.0	1402.905	0.0
load	N_1700061573	constant_power_C_real	2805.81	0.0	1402.905	0.0
load	N_1700061573	constant_power_A_reac	922.224	0.0	461.112	0.0
load	N_1700061573	constant_power_B_reac	922.224	0.0	461.112	0.0
load	N_1700061573	constant_power_C_reac	922.224	0.0	461.112	0.0
load	N_1700120331	constant_power_A	2521.19	1562.49	1260.595	781.245
load	N_1700120331	constant_power_B	2521.19	1562.49	1260.595	781.245
load	N_1700120331	constant_power_C	2521.19	1562.49	1260.595	781.245
load	N_1700120331	constant_power_A_real	2521.19	0.0	1260.595	0.0
load	N_1700120331	constant_power_B_real	2521.19	0.0	1260.595	0.0
load	N_1700120331	constant_power_C_real	2521.19	0.0	1260.595	0.0
load	N_1700120331	constant_power_A_reac	1562.49	0.0	781.245	0.0
load	N_1700120331	constant_power_B_reac	1562.49	0.0	781.245	0.0
load	N_1700120331	constant_power_C_reac	1562.49	0.0	781.245	0.0
load	N_1700024120	constant_power_A	50.4643	31.275	25.23215	15.6375
load	N_1700024120	constant_power_B	50.4643	31.275	25.23215	15.6375
load	N_1700024120	constant_power_C	50.4643	31.275	25.23215	15.6375
load	N_1700024120	constant_power_A_real	50.4643	0.0	25.23215	0.0
load	N_1700024120	constant_power_B_real	50.4643	0.0	25.23215	0.0
load	N_1700024120	constant_power_C_real	50.4643	0.0	25.23215	0.0
load	N_1700024120	constant_power_A_reac	31.275	0.0	15.6375	0.0
load	N_1700024120	constant_power_B_reac	31.275	0.0	15.6375	0.0
load	N_1700024120	constant_power_C_reac	31.275	0.0	15.6375	0.0
load	N_1700019167	constant_power_C	3700.03	1216.14	1850.015	608.07
load	N_1700019167	constant_power_C_real	3700.03	0.0	1850.015	0.0
load	N_1700019167	constant_power_C_reac	1216.14	0.0	608.07	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093044	constant_power_A	718.61	236.196	359.305	118.098
load	N_1700093044	constant_power_B	718.61	236.196	359.305	118.098
load	N_1700093044	constant_power_C	718.61	236.196	359.305	118.098
load	N_1700093044	constant_power_A_real	718.61	0.0	359.305	0.0
load	N_1700093044	constant_power_B_real	718.61	0.0	359.305	0.0
load	N_1700093044	constant_power_C_real	718.61	0.0	359.305	0.0
load	N_1700093044	constant_power_A_reac	236.196	0.0	118.098	0.0
load	N_1700093044	constant_power_B_reac	236.196	0.0	118.098	0.0
load	N_1700093044	constant_power_C_reac	236.196	0.0	118.098	0.0
load	N_1700070109	constant_power_A	484.456	159.233	242.228	79.6165
load	N_1700070109	constant_power_B	484.456	159.233	242.228	79.6165
load	N_1700070109	constant_power_A_real	484.456	0.0	242.228	0.0
load	N_1700070109	constant_power_B_real	484.456	0.0	242.228	0.0
load	N_1700070109	constant_power_A_reac	159.233	0.0	79.6165	0.0
load	N_1700070109	constant_power_B_reac	159.233	0.0	79.6165	0.0
load	N_1700094673	constant_power_A	1635.04	1013.31	817.52	506.655
load	N_1700094673	constant_power_B	1635.04	1013.31	817.52	506.655
load	N_1700094673	constant_power_C	1635.04	1013.31	817.52	506.655
load	N_1700094673	constant_power_A_real	1635.04	0.0	817.52	0.0
load	N_1700094673	constant_power_B_real	1635.04	0.0	817.52	0.0
load	N_1700094673	constant_power_C_real	1635.04	0.0	817.52	0.0
load	N_1700094673	constant_power_A_reac	1013.31	0.0	506.655	0.0
load	N_1700094673	constant_power_B_reac	1013.31	0.0	506.655	0.0
load	N_1700094673	constant_power_C_reac	1013.31	0.0	506.655	0.0
load	N_1700070105	constant_power_A	296.729	97.5301	148.3645	48.76505
load	N_1700070105	constant_power_B	296.729	97.5301	148.3645	48.76505
load	N_1700070105	constant_power_A_real	296.729	0.0	148.3645	0.0
load	N_1700070105	constant_power_B_real	296.729	0.0	148.3645	0.0
load	N_1700070105	constant_power_A_reac	97.5301	0.0	48.76505	0.0
load	N_1700070105	constant_power_B_reac	97.5301	0.0	48.76505	0.0
load	N_1700094677	constant_power_A	2731.12	1568.04	1365.56	784.02
load	N_1700094677	constant_power_B	2731.12	1568.04	1365.56	784.02
load	N_1700094677	constant_power_C	2731.12	1568.04	1365.56	784.02
load	N_1700094677	constant_power_A_real	2731.12	0.0	1365.56	0.0
load	N_1700094677	constant_power_B_real	2731.12	0.0	1365.56	0.0
load	N_1700094677	constant_power_C_real	2731.12	0.0	1365.56	0.0
load	N_1700094677	constant_power_A_reac	1568.04	0.0	784.02	0.0
load	N_1700094677	constant_power_B_reac	1568.04	0.0	784.02	0.0
load	N_1700094677	constant_power_C_reac	1568.04	0.0	784.02	0.0
load	N_1700010763	constant_power_A	1308.03	504.545	654.015	252.2725
load	N_1700010763	constant_power_B	1308.03	504.545	654.015	252.2725
load	N_1700010763	constant_power_C	1308.03	504.545	654.015	252.2725
load	N_1700010763	constant_power_A_real	1308.03	0.0	654.015	0.0
load	N_1700010763	constant_power_B_real	1308.03	0.0	654.015	0.0
load	N_1700010763	constant_power_C_real	1308.03	0.0	654.015	0.0
load	N_1700010763	constant_power_A_reac	504.545	0.0	252.2725	0.0
load	N_1700010763	constant_power_B_reac	504.545	0.0	252.2725	0.0
load	N_1700010763	constant_power_C_reac	504.545	0.0	252.2725	0.0
load	N_1700094675	constant_power_A	2365.76	1466.17	1182.88	733.085
load	N_1700094675	constant_power_B	2365.76	1466.17	1182.88	733.085
load	N_1700094675	constant_power_C	2365.76	1466.17	1182.88	733.085
load	N_1700094675	constant_power_A_real	2365.76	0.0	1182.88	0.0
load	N_1700094675	constant_power_B_real	2365.76	0.0	1182.88	0.0
load	N_1700094675	constant_power_C_real	2365.76	0.0	1182.88	0.0
load	N_1700094675	constant_power_A_reac	1466.17	0.0	733.085	0.0
load	N_1700094675	constant_power_B_reac	1466.17	0.0	733.085	0.0
load	N_1700094675	constant_power_C_reac	1466.17	0.0	733.085	0.0
load	N_1700094674	constant_power_A	6.05567	3.75297	3.027835	1.876485
load	N_1700094674	constant_power_B	6.05567	3.75297	3.027835	1.876485
load	N_1700094674	constant_power_C	6.05567	3.75297	3.027835	1.876485
load	N_1700094674	constant_power_A_real	6.05567	0.0	3.027835	0.0
load	N_1700094674	constant_power_B_real	6.05567	0.0	3.027835	0.0
load	N_1700094674	constant_power_C_real	6.05567	0.0	3.027835	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700094674	constant_power_A_reac	3.75297	0.0	1.876485	0.0
load	N_1700094674	constant_power_B_reac	3.75297	0.0	1.876485	0.0
load	N_1700094674	constant_power_C_reac	3.75297	0.0	1.876485	0.0
load	N_1700093643	constant_power_A	1316.11	570.651	658.055	285.3255
load	N_1700093643	constant_power_B	1316.11	570.651	658.055	285.3255
load	N_1700093643	constant_power_C	1316.11	570.651	658.055	285.3255
load	N_1700093643	constant_power_A_real	1316.11	0.0	658.055	0.0
load	N_1700093643	constant_power_B_real	1316.11	0.0	658.055	0.0
load	N_1700093643	constant_power_C_real	1316.11	0.0	658.055	0.0
load	N_1700093643	constant_power_A_reac	570.651	0.0	285.3255	0.0
load	N_1700093643	constant_power_B_reac	570.651	0.0	285.3255	0.0
load	N_1700093643	constant_power_C_reac	570.651	0.0	285.3255	0.0
load	N_1700010294	constant_power_A	1937.82	636.932	968.91	318.466
load	N_1700010294	constant_power_A_real	1937.82	0.0	968.91	0.0
load	N_1700010294	constant_power_A_reac	636.932	0.0	318.466	0.0
load	N_1700055061	constant_power_A	3103.55	1020.09	1551.775	510.045
load	N_1700055061	constant_power_B	3103.55	1020.09	1551.775	510.045
load	N_1700055061	constant_power_A_real	3103.55	0.0	1551.775	0.0
load	N_1700055061	constant_power_B_real	3103.55	0.0	1551.775	0.0
load	N_1700055061	constant_power_A_reac	1020.09	0.0	510.045	0.0
load	N_1700055061	constant_power_B_reac	1020.09	0.0	510.045	0.0
load	N_1700092989	constant_power_A	1382.72	454.478	691.36	227.239
load	N_1700092989	constant_power_B	1382.72	454.478	691.36	227.239
load	N_1700092989	constant_power_C	1382.72	454.478	691.36	227.239
load	N_1700092989	constant_power_A_real	1382.72	0.0	691.36	0.0
load	N_1700092989	constant_power_B_real	1382.72	0.0	691.36	0.0
load	N_1700092989	constant_power_C_real	1382.72	0.0	691.36	0.0
load	N_1700092989	constant_power_A_reac	454.478	0.0	227.239	0.0
load	N_1700092989	constant_power_B_reac	454.478	0.0	227.239	0.0
load	N_1700092989	constant_power_C_reac	454.478	0.0	227.239	0.0
load	N_1700010559	constant_power_A	2349.61	772.28	1174.805	386.14
load	N_1700010559	constant_power_B	2349.61	772.28	1174.805	386.14
load	N_1700010559	constant_power_A_real	2349.61	0.0	1174.805	0.0
load	N_1700010559	constant_power_B_real	2349.61	0.0	1174.805	0.0
load	N_1700010559	constant_power_A_reac	772.28	0.0	386.14	0.0
load	N_1700010559	constant_power_B_reac	772.28	0.0	386.14	0.0
load	N_1700061897	constant_power_A	577.31	208.553	288.655	104.2765
load	N_1700061897	constant_power_B	577.31	208.553	288.655	104.2765
load	N_1700061897	constant_power_C	577.31	208.553	288.655	104.2765
load	N_1700061897	constant_power_A_real	577.31	0.0	288.655	0.0
load	N_1700061897	constant_power_B_real	577.31	0.0	288.655	0.0
load	N_1700061897	constant_power_C_real	577.31	0.0	288.655	0.0
load	N_1700061897	constant_power_A_reac	208.553	0.0	104.2765	0.0
load	N_1700061897	constant_power_B_reac	208.553	0.0	104.2765	0.0
load	N_1700061897	constant_power_C_reac	208.553	0.0	104.2765	0.0
load	N_1700018951	constant_power_A	20.1857	12.51	10.09285	6.255
load	N_1700018951	constant_power_B	20.1857	12.51	10.09285	6.255
load	N_1700018951	constant_power_C	20.1857	12.51	10.09285	6.255
load	N_1700018951	constant_power_A_real	20.1857	0.0	10.09285	0.0
load	N_1700018951	constant_power_B_real	20.1857	0.0	10.09285	0.0
load	N_1700018951	constant_power_C_real	20.1857	0.0	10.09285	0.0
load	N_1700018951	constant_power_A_reac	12.51	0.0	6.255	0.0
load	N_1700018951	constant_power_B_reac	12.51	0.0	6.255	0.0
load	N_1700018951	constant_power_C_reac	12.51	0.0	6.255	0.0
load	N_1700018729	constant_power_A	932.578	577.96	466.289	288.98
load	N_1700018729	constant_power_A_real	932.578	0.0	466.289	0.0
load	N_1700018729	constant_power_A_reac	577.96	0.0	288.98	0.0
load	N_1700018725	constant_power_A	30.279	9.95223	15.1395	4.976115
load	N_1700018725	constant_power_B	30.279	9.95223	15.1395	4.976115
load	N_1700018725	constant_power_A_real	30.279	0.0	15.1395	0.0
load	N_1700018725	constant_power_B_real	30.279	0.0	15.1395	0.0
load	N_1700018725	constant_power_A_reac	9.95223	0.0	4.976115	0.0
load	N_1700018725	constant_power_B_reac	9.95223	0.0	4.976115	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700072915	constant_power_A	191.764	63.0298	95.882	31.5149
load	N_1700072915	constant_power_B	191.764	63.0298	95.882	31.5149
load	N_1700072915	constant_power_C	191.764	63.0298	95.882	31.5149
load	N_1700072915	constant_power_A_real	191.764	0.0	95.882	0.0
load	N_1700072915	constant_power_B_real	191.764	0.0	95.882	0.0
load	N_1700072915	constant_power_C_real	191.764	0.0	95.882	0.0
load	N_1700072915	constant_power_A_reac	63.0298	0.0	31.5149	0.0
load	N_1700072915	constant_power_B_reac	63.0298	0.0	31.5149	0.0
load	N_1700072915	constant_power_C_reac	63.0298	0.0	31.5149	0.0
load	N_1700018721	constant_power_A	1350.42	443.862	675.21	221.931
load	N_1700018721	constant_power_A_real	1350.42	0.0	675.21	0.0
load	N_1700018721	constant_power_A_reac	443.862	0.0	221.931	0.0
load	N_1700072910	constant_power_A	100.928	33.1735	50.464	16.58675
load	N_1700072910	constant_power_B	100.928	33.1735	50.464	16.58675
load	N_1700072910	constant_power_C	100.928	33.1735	50.464	16.58675
load	N_1700072910	constant_power_A_real	100.928	0.0	50.464	0.0
load	N_1700072910	constant_power_B_real	100.928	0.0	50.464	0.0
load	N_1700072910	constant_power_C_real	100.928	0.0	50.464	0.0
load	N_1700072910	constant_power_A_reac	33.1735	0.0	16.58675	0.0
load	N_1700072910	constant_power_B_reac	33.1735	0.0	16.58675	0.0
load	N_1700072910	constant_power_C_reac	33.1735	0.0	16.58675	0.0
load	N_1700018016	constant_power_A	1907.55	1182.19	953.775	591.095
load	N_1700018016	constant_power_A_real	1907.55	0.0	953.775	0.0
load	N_1700018016	constant_power_A_reac	1182.19	0.0	591.095	0.0
load	N_1700062286	constant_power_A	1542.19	506.892	771.095	253.446
load	N_1700062286	constant_power_B	1542.19	506.892	771.095	253.446
load	N_1700062286	constant_power_C	1542.19	506.892	771.095	253.446
load	N_1700062286	constant_power_A_real	1542.19	0.0	771.095	0.0
load	N_1700062286	constant_power_B_real	1542.19	0.0	771.095	0.0
load	N_1700062286	constant_power_C_real	1542.19	0.0	771.095	0.0
load	N_1700062286	constant_power_A_reac	506.892	0.0	253.446	0.0
load	N_1700062286	constant_power_B_reac	506.892	0.0	253.446	0.0
load	N_1700062286	constant_power_C_reac	506.892	0.0	253.446	0.0
load	N_1700092174	constant_power_A	252.321	156.375	126.1605	78.1875
load	N_1700092174	constant_power_B	252.321	156.375	126.1605	78.1875
load	N_1700092174	constant_power_C	252.321	156.375	126.1605	78.1875
load	N_1700092174	constant_power_A_real	252.321	0.0	126.1605	0.0
load	N_1700092174	constant_power_B_real	252.321	0.0	126.1605	0.0
load	N_1700092174	constant_power_C_real	252.321	0.0	126.1605	0.0
load	N_1700092174	constant_power_A_reac	156.375	0.0	78.1875	0.0
load	N_1700092174	constant_power_B_reac	156.375	0.0	78.1875	0.0
load	N_1700092174	constant_power_C_reac	156.375	0.0	78.1875	0.0
load	N_1700010511	constant_power_A	995.154	616.741	497.577	308.3705
load	N_1700010511	constant_power_B	995.154	616.741	497.577	308.3705
load	N_1700010511	constant_power_C	995.154	616.741	497.577	308.3705
load	N_1700010511	constant_power_A_real	995.154	0.0	497.577	0.0
load	N_1700010511	constant_power_B_real	995.154	0.0	497.577	0.0
load	N_1700010511	constant_power_C_real	995.154	0.0	497.577	0.0
load	N_1700010511	constant_power_A_reac	616.741	0.0	308.3705	0.0
load	N_1700010511	constant_power_B_reac	616.741	0.0	308.3705	0.0
load	N_1700010511	constant_power_C_reac	616.741	0.0	308.3705	0.0
load	N_1700011080	constant_power_A	46.427	28.7729	23.2135	14.38645
load	N_1700011080	constant_power_B	46.427	28.7729	23.2135	14.38645
load	N_1700011080	constant_power_C	46.427	28.7729	23.2135	14.38645
load	N_1700011080	constant_power_A_real	46.427	0.0	23.2135	0.0
load	N_1700011080	constant_power_B_real	46.427	0.0	23.2135	0.0
load	N_1700011080	constant_power_C_real	46.427	0.0	23.2135	0.0
load	N_1700011080	constant_power_A_reac	28.7729	0.0	14.38645	0.0
load	N_1700011080	constant_power_B_reac	28.7729	0.0	14.38645	0.0
load	N_1700011080	constant_power_C_reac	28.7729	0.0	14.38645	0.0
load	N_1700078800	constant_power_A	499.595	164.209	249.7975	82.1045
load	N_1700078800	constant_power_B	499.595	164.209	249.7975	82.1045
load	N_1700078800	constant_power_A_real	499.595	0.0	249.7975	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700078800	constant_power_B_real	499.595	0.0	249.7975	0.0
load	N_1700078800	constant_power_A_reac	164.209	0.0	82.1045	0.0
load	N_1700078800	constant_power_B_reac	164.209	0.0	82.1045	0.0
load	N_1700078801	constant_power_A	1859.1	611.057	929.55	305.5285
load	N_1700078801	constant_power_B	1859.1	611.057	929.55	305.5285
load	N_1700078801	constant_power_C	1859.1	611.057	929.55	305.5285
load	N_1700078801	constant_power_A_real	1859.1	0.0	929.55	0.0
load	N_1700078801	constant_power_B_real	1859.1	0.0	929.55	0.0
load	N_1700078801	constant_power_C_real	1859.1	0.0	929.55	0.0
load	N_1700078801	constant_power_A_reac	611.057	0.0	305.5285	0.0
load	N_1700078801	constant_power_B_reac	611.057	0.0	305.5285	0.0
load	N_1700078801	constant_power_C_reac	611.057	0.0	305.5285	0.0
load	N_1700092769	constant_power_A	771.093	253.446	385.5465	126.723
load	N_1700092769	constant_power_B	771.093	253.446	385.5465	126.723
load	N_1700092769	constant_power_C	771.093	253.446	385.5465	126.723
load	N_1700092769	constant_power_A_real	771.093	0.0	385.5465	0.0
load	N_1700092769	constant_power_B_real	771.093	0.0	385.5465	0.0
load	N_1700092769	constant_power_C_real	771.093	0.0	385.5465	0.0
load	N_1700092769	constant_power_A_reac	253.446	0.0	126.723	0.0
load	N_1700092769	constant_power_B_reac	253.446	0.0	126.723	0.0
load	N_1700092769	constant_power_C_reac	253.446	0.0	126.723	0.0
load	N_1700092767	constant_power_A	480.419	157.906	240.2095	78.953
load	N_1700092767	constant_power_B	480.419	157.906	240.2095	78.953
load	N_1700092767	constant_power_C	480.419	157.906	240.2095	78.953
load	N_1700092767	constant_power_A_real	480.419	0.0	240.2095	0.0
load	N_1700092767	constant_power_B_real	480.419	0.0	240.2095	0.0
load	N_1700092767	constant_power_C_real	480.419	0.0	240.2095	0.0
load	N_1700092767	constant_power_A_reac	157.906	0.0	78.953	0.0
load	N_1700092767	constant_power_B_reac	157.906	0.0	78.953	0.0
load	N_1700092767	constant_power_C_reac	157.906	0.0	78.953	0.0
load	N_1700092766	constant_power_A	276.544	171.386	138.272	85.693
load	N_1700092766	constant_power_B	276.544	171.386	138.272	85.693
load	N_1700092766	constant_power_C	276.544	171.386	138.272	85.693
load	N_1700092766	constant_power_A_real	276.544	0.0	138.272	0.0
load	N_1700092766	constant_power_B_real	276.544	0.0	138.272	0.0
load	N_1700092766	constant_power_C_real	276.544	0.0	138.272	0.0
load	N_1700092766	constant_power_A_reac	171.386	0.0	85.693	0.0
load	N_1700092766	constant_power_B_reac	171.386	0.0	85.693	0.0
load	N_1700092766	constant_power_C_reac	171.386	0.0	85.693	0.0
load	N_1700021536	constant_power_A	674.201	417.832	337.1005	208.916
load	N_1700021536	constant_power_B	674.201	417.832	337.1005	208.916
load	N_1700021536	constant_power_C	674.201	417.832	337.1005	208.916
load	N_1700021536	constant_power_A_real	674.201	0.0	337.1005	0.0
load	N_1700021536	constant_power_B_real	674.201	0.0	337.1005	0.0
load	N_1700021536	constant_power_C_real	674.201	0.0	337.1005	0.0
load	N_1700021536	constant_power_A_reac	417.832	0.0	208.916	0.0
load	N_1700021536	constant_power_B_reac	417.832	0.0	208.916	0.0
load	N_1700021536	constant_power_C_reac	417.832	0.0	208.916	0.0
load	N_1700061997	constant_power_A	693.378	227.902	346.689	113.951
load	N_1700061997	constant_power_B	693.378	227.902	346.689	113.951
load	N_1700061997	constant_power_A_real	693.378	0.0	346.689	0.0
load	N_1700061997	constant_power_B_real	693.378	0.0	346.689	0.0
load	N_1700061997	constant_power_A_reac	227.902	0.0	113.951	0.0
load	N_1700061997	constant_power_B_reac	227.902	0.0	113.951	0.0
load	N_1700092807	constant_power_A	535.93	176.152	267.965	88.076
load	N_1700092807	constant_power_B	535.93	176.152	267.965	88.076
load	N_1700092807	constant_power_A_real	535.93	0.0	267.965	0.0
load	N_1700092807	constant_power_B_real	535.93	0.0	267.965	0.0
load	N_1700092807	constant_power_A_reac	176.152	0.0	88.076	0.0
load	N_1700092807	constant_power_B_reac	176.152	0.0	88.076	0.0
load	N_1700054675	constant_power_A	997.172	617.992	498.586	308.996
load	N_1700054675	constant_power_B	997.172	617.992	498.586	308.996
load	N_1700054675	constant_power_C	997.172	617.992	498.586	308.996

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700054675	constant_power_A_real	997.172	0.0	498.586	0.0
load	N_1700054675	constant_power_B_real	997.172	0.0	498.586	0.0
load	N_1700054675	constant_power_C_real	997.172	0.0	498.586	0.0
load	N_1700054675	constant_power_A_reac	617.992	0.0	308.996	0.0
load	N_1700054675	constant_power_B_reac	617.992	0.0	308.996	0.0
load	N_1700054675	constant_power_C_reac	617.992	0.0	308.996	0.0
load	N_1700092802	constant_power_A	1079.93	354.957	539.965	177.4785
load	N_1700092802	constant_power_B	1079.93	354.957	539.965	177.4785
load	N_1700092802	constant_power_C	1079.93	354.957	539.965	177.4785
load	N_1700092802	constant_power_A_real	1079.93	0.0	539.965	0.0
load	N_1700092802	constant_power_B_real	1079.93	0.0	539.965	0.0
load	N_1700092802	constant_power_C_real	1079.93	0.0	539.965	0.0
load	N_1700092802	constant_power_A_reac	354.957	0.0	177.4785	0.0
load	N_1700092802	constant_power_B_reac	354.957	0.0	177.4785	0.0
load	N_1700092802	constant_power_C_reac	354.957	0.0	177.4785	0.0
load	N_1700092803	constant_power_A	2291.07	753.039	1145.535	376.5195
load	N_1700092803	constant_power_B	2291.07	753.039	1145.535	376.5195
load	N_1700092803	constant_power_C	2291.07	753.039	1145.535	376.5195
load	N_1700092803	constant_power_A_real	2291.07	0.0	1145.535	0.0
load	N_1700092803	constant_power_B_real	2291.07	0.0	1145.535	0.0
load	N_1700092803	constant_power_C_real	2291.07	0.0	1145.535	0.0
load	N_1700092803	constant_power_A_reac	753.039	0.0	376.5195	0.0
load	N_1700092803	constant_power_B_reac	753.039	0.0	376.5195	0.0
load	N_1700092803	constant_power_C_reac	753.039	0.0	376.5195	0.0
load	N_1700092800	constant_power_A	6019.37	1978.47	3009.685	989.235
load	N_1700092800	constant_power_A_real	6019.37	0.0	3009.685	0.0
load	N_1700092800	constant_power_A_reac	1978.47	0.0	989.235	0.0
load	N_1700092801	constant_power_A	213.968	70.3279	106.984	35.16395
load	N_1700092801	constant_power_B	213.968	70.3279	106.984	35.16395
load	N_1700092801	constant_power_C	213.968	70.3279	106.984	35.16395
load	N_1700092801	constant_power_A_real	213.968	0.0	106.984	0.0
load	N_1700092801	constant_power_B_real	213.968	0.0	106.984	0.0
load	N_1700092801	constant_power_C_real	213.968	0.0	106.984	0.0
load	N_1700092801	constant_power_A_reac	70.3279	0.0	35.16395	0.0
load	N_1700092801	constant_power_B_reac	70.3279	0.0	35.16395	0.0
load	N_1700092801	constant_power_C_reac	70.3279	0.0	35.16395	0.0
load	N_1700096107	constant_power_A	9362.11	3077.18	4681.055	1538.59
load	N_1700096107	constant_power_A_real	9362.11	0.0	4681.055	0.0
load	N_1700096107	constant_power_A_reac	3077.18	0.0	1538.59	0.0
load	N_1700093617	constant_power_A	896.244	294.581	448.122	147.2905
load	N_1700093617	constant_power_B	896.244	294.581	448.122	147.2905
load	N_1700093617	constant_power_C	896.244	294.581	448.122	147.2905
load	N_1700093617	constant_power_A_real	896.244	0.0	448.122	0.0
load	N_1700093617	constant_power_B_real	896.244	0.0	448.122	0.0
load	N_1700093617	constant_power_C_real	896.244	0.0	448.122	0.0
load	N_1700093617	constant_power_A_reac	294.581	0.0	147.2905	0.0
load	N_1700093617	constant_power_B_reac	294.581	0.0	147.2905	0.0
load	N_1700093617	constant_power_C_reac	294.581	0.0	147.2905	0.0
load	N_1700010388	constant_power_A	2117.48	1242.38	1058.74	621.19
load	N_1700010388	constant_power_B	2117.48	1242.38	1058.74	621.19
load	N_1700010388	constant_power_C	2117.48	1242.38	1058.74	621.19
load	N_1700010388	constant_power_A_real	2117.48	0.0	1058.74	0.0
load	N_1700010388	constant_power_B_real	2117.48	0.0	1058.74	0.0
load	N_1700010388	constant_power_C_real	2117.48	0.0	1058.74	0.0
load	N_1700010388	constant_power_A_reac	1242.38	0.0	621.19	0.0
load	N_1700010388	constant_power_B_reac	1242.38	0.0	621.19	0.0
load	N_1700010388	constant_power_C_reac	1242.38	0.0	621.19	0.0
load	N_1700091819	constant_power_A	12.1113	7.50593	6.05565	3.752965
load	N_1700091819	constant_power_B	12.1113	7.50593	6.05565	3.752965
load	N_1700091819	constant_power_C	12.1113	7.50593	6.05565	3.752965
load	N_1700091819	constant_power_A_real	12.1113	0.0	6.05565	0.0
load	N_1700091819	constant_power_B_real	12.1113	0.0	6.05565	0.0
load	N_1700091819	constant_power_C_real	12.1113	0.0	6.05565	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700091819	constant_power_A_reac	7.50593	0.0	3.752965	0.0
load	N_1700091819	constant_power_B_reac	7.50593	0.0	3.752965	0.0
load	N_1700091819	constant_power_C_reac	7.50593	0.0	3.752965	0.0
load	N_1700062904	constant_power_A	155.43	96.3267	77.715	48.16335
load	N_1700062904	constant_power_B	155.43	96.3267	77.715	48.16335
load	N_1700062904	constant_power_C	155.43	96.3267	77.715	48.16335
load	N_1700062904	constant_power_A_real	155.43	0.0	77.715	0.0
load	N_1700062904	constant_power_B_real	155.43	0.0	77.715	0.0
load	N_1700062904	constant_power_C_real	155.43	0.0	77.715	0.0
load	N_1700062904	constant_power_A_reac	96.3267	0.0	48.16335	0.0
load	N_1700062904	constant_power_B_reac	96.3267	0.0	48.16335	0.0
load	N_1700062904	constant_power_C_reac	96.3267	0.0	48.16335	0.0
load	N_1700094628	constant_power_A	10666.7	6610.61	5333.35	3305.305
load	N_1700094628	constant_power_B	10666.7	6610.61	5333.35	3305.305
load	N_1700094628	constant_power_C	10666.7	6610.61	5333.35	3305.305
load	N_1700094628	constant_power_A_real	10666.7	0.0	5333.35	0.0
load	N_1700094628	constant_power_B_real	10666.7	0.0	5333.35	0.0
load	N_1700094628	constant_power_C_real	10666.7	0.0	5333.35	0.0
load	N_1700094628	constant_power_A_reac	6610.61	0.0	3305.305	0.0
load	N_1700094628	constant_power_B_reac	6610.61	0.0	3305.305	0.0
load	N_1700094628	constant_power_C_reac	6610.61	0.0	3305.305	0.0
load	N_1700011123	constant_power_A	402.704	132.362	201.352	66.181
load	N_1700011123	constant_power_B	402.704	132.362	201.352	66.181
load	N_1700011123	constant_power_A_real	402.704	0.0	201.352	0.0
load	N_1700011123	constant_power_B_real	402.704	0.0	201.352	0.0
load	N_1700011123	constant_power_A_reac	132.362	0.0	66.181	0.0
load	N_1700011123	constant_power_B_reac	132.362	0.0	66.181	0.0
load	N_1700119434	constant_power_A	615.663	381.554	307.8315	190.777
load	N_1700119434	constant_power_B	615.663	381.554	307.8315	190.777
load	N_1700119434	constant_power_C	615.663	381.554	307.8315	190.777
load	N_1700119434	constant_power_A_real	615.663	0.0	307.8315	0.0
load	N_1700119434	constant_power_B_real	615.663	0.0	307.8315	0.0
load	N_1700119434	constant_power_C_real	615.663	0.0	307.8315	0.0
load	N_1700119434	constant_power_A_reac	381.554	0.0	190.777	0.0
load	N_1700119434	constant_power_B_reac	381.554	0.0	190.777	0.0
load	N_1700119434	constant_power_C_reac	381.554	0.0	190.777	0.0
load	N_1700017814	constant_power_A	825.594	271.36	412.797	135.68
load	N_1700017814	constant_power_B	825.594	271.36	412.797	135.68
load	N_1700017814	constant_power_C	825.594	271.36	412.797	135.68
load	N_1700017814	constant_power_A_real	825.594	0.0	412.797	0.0
load	N_1700017814	constant_power_B_real	825.594	0.0	412.797	0.0
load	N_1700017814	constant_power_C_real	825.594	0.0	412.797	0.0
load	N_1700017814	constant_power_A_reac	271.36	0.0	135.68	0.0
load	N_1700017814	constant_power_B_reac	271.36	0.0	135.68	0.0
load	N_1700017814	constant_power_C_reac	271.36	0.0	135.68	0.0
load	N_1700018619	constant_power_A	308.841	101.511	154.4205	50.7555
load	N_1700018619	constant_power_B	308.841	101.511	154.4205	50.7555
load	N_1700018619	constant_power_C	308.841	101.511	154.4205	50.7555
load	N_1700018619	constant_power_A_real	308.841	0.0	154.4205	0.0
load	N_1700018619	constant_power_B_real	308.841	0.0	154.4205	0.0
load	N_1700018619	constant_power_C_real	308.841	0.0	154.4205	0.0
load	N_1700018619	constant_power_A_reac	101.511	0.0	50.7555	0.0
load	N_1700018619	constant_power_B_reac	101.511	0.0	50.7555	0.0
load	N_1700018619	constant_power_C_reac	101.511	0.0	50.7555	0.0
load	N_1700024051	constant_power_A	1831.85	625.013	915.925	312.5065
load	N_1700024051	constant_power_B	1831.85	625.013	915.925	312.5065
load	N_1700024051	constant_power_A_real	1831.85	0.0	915.925	0.0
load	N_1700024051	constant_power_B_real	1831.85	0.0	915.925	0.0
load	N_1700024051	constant_power_A_reac	625.013	0.0	312.5065	0.0
load	N_1700024051	constant_power_B_reac	625.013	0.0	312.5065	0.0
load	N_1700024052	constant_power_A	1635.04	537.411	817.52	268.7055
load	N_1700024052	constant_power_A_real	1635.04	0.0	817.52	0.0
load	N_1700024052	constant_power_A_reac	537.411	0.0	268.7055	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700093558	constant_power_A	2715.98	892.7	1357.99	446.35
load	N_1700093558	constant_power_B	2715.98	892.7	1357.99	446.35
load	N_1700093558	constant_power_A_real	2715.98	0.0	1357.99	0.0
load	N_1700093558	constant_power_B_real	2715.98	0.0	1357.99	0.0
load	N_1700093558	constant_power_A_reac	892.7	0.0	446.35	0.0
load	N_1700093558	constant_power_B_reac	892.7	0.0	446.35	0.0
load	N_1700018662	constant_power_A	3300.36	1084.77	1650.18	542.385
load	N_1700018662	constant_power_A_real	3300.36	0.0	1650.18	0.0
load	N_1700018662	constant_power_A_reac	1084.77	0.0	542.385	0.0
load	N_1700093633	constant_power_A	696.406	228.897	348.203	114.4485
load	N_1700093633	constant_power_B	696.406	228.897	348.203	114.4485
load	N_1700093633	constant_power_C	696.406	228.897	348.203	114.4485
load	N_1700093633	constant_power_A_real	696.406	0.0	348.203	0.0
load	N_1700093633	constant_power_B_real	696.406	0.0	348.203	0.0
load	N_1700093633	constant_power_C_real	696.406	0.0	348.203	0.0
load	N_1700093633	constant_power_A_reac	228.897	0.0	114.4485	0.0
load	N_1700093633	constant_power_B_reac	228.897	0.0	114.4485	0.0
load	N_1700093633	constant_power_C_reac	228.897	0.0	114.4485	0.0
load	N_1700093553	constant_power_A	403.713	132.694	201.8565	66.347
load	N_1700093553	constant_power_B	403.713	132.694	201.8565	66.347
load	N_1700093553	constant_power_C	403.713	132.694	201.8565	66.347
load	N_1700093553	constant_power_A_real	403.713	0.0	201.8565	0.0
load	N_1700093553	constant_power_B_real	403.713	0.0	201.8565	0.0
load	N_1700093553	constant_power_C_real	403.713	0.0	201.8565	0.0
load	N_1700093553	constant_power_A_reac	132.694	0.0	66.347	0.0
load	N_1700093553	constant_power_B_reac	132.694	0.0	66.347	0.0
load	N_1700093553	constant_power_C_reac	132.694	0.0	66.347	0.0
load	N_1700055371	constant_power_A	3300.36	1084.77	1650.18	542.385
load	N_1700055371	constant_power_B	3300.36	1084.77	1650.18	542.385
load	N_1700055371	constant_power_A_real	3300.36	0.0	1650.18	0.0
load	N_1700055371	constant_power_B_real	3300.36	0.0	1650.18	0.0
load	N_1700055371	constant_power_A_reac	1084.77	0.0	542.385	0.0
load	N_1700055371	constant_power_B_reac	1084.77	0.0	542.385	0.0
load	N_1700093556	constant_power_A	1320.14	433.91	660.07	216.955
load	N_1700093556	constant_power_B	1320.14	433.91	660.07	216.955
load	N_1700093556	constant_power_C	1320.14	433.91	660.07	216.955
load	N_1700093556	constant_power_A_real	1320.14	0.0	660.07	0.0
load	N_1700093556	constant_power_B_real	1320.14	0.0	660.07	0.0
load	N_1700093556	constant_power_C_real	1320.14	0.0	660.07	0.0
load	N_1700093556	constant_power_A_reac	433.91	0.0	216.955	0.0
load	N_1700093556	constant_power_B_reac	433.91	0.0	216.955	0.0
load	N_1700093556	constant_power_C_reac	433.91	0.0	216.955	0.0
load	N_1700093555	constant_power_A	2228.5	732.472	1114.25	366.236
load	N_1700093555	constant_power_B	2228.5	732.472	1114.25	366.236
load	N_1700093555	constant_power_A_real	2228.5	0.0	1114.25	0.0
load	N_1700093555	constant_power_B_real	2228.5	0.0	1114.25	0.0
load	N_1700093555	constant_power_A_reac	732.472	0.0	366.236	0.0
load	N_1700093555	constant_power_B_reac	732.472	0.0	366.236	0.0
load	N_1700093554	constant_power_A	310.859	102.175	155.4295	51.0875
load	N_1700093554	constant_power_B	310.859	102.175	155.4295	51.0875
load	N_1700093554	constant_power_C	310.859	102.175	155.4295	51.0875
load	N_1700093554	constant_power_A_real	310.859	0.0	155.4295	0.0
load	N_1700093554	constant_power_B_real	310.859	0.0	155.4295	0.0
load	N_1700093554	constant_power_C_real	310.859	0.0	155.4295	0.0
load	N_1700093554	constant_power_A_reac	102.175	0.0	51.0875	0.0
load	N_1700093554	constant_power_B_reac	102.175	0.0	51.0875	0.0
load	N_1700093554	constant_power_C_reac	102.175	0.0	51.0875	0.0
load	N_1700093484	constant_power_A	4438.83	1458.97	2219.415	729.485
load	N_1700093484	constant_power_A_real	4438.83	0.0	2219.415	0.0
load	N_1700093484	constant_power_A_reac	1458.97	0.0	729.485	0.0
load	N_1700078893	constant_power_A	24265.2	15038.2	12132.6	7519.1
load	N_1700078893	constant_power_B	24265.2	15038.2	12132.6	7519.1
load	N_1700078893	constant_power_C	24265.2	15038.2	12132.6	7519.1

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700078893	constant_power_A_real	24265.2	0.0	12132.6	0.0
load	N_1700078893	constant_power_B_real	24265.2	0.0	12132.6	0.0
load	N_1700078893	constant_power_C_real	24265.2	0.0	12132.6	0.0
load	N_1700078893	constant_power_A_reac	15038.2	0.0	7519.1	0.0
load	N_1700078893	constant_power_B_reac	15038.2	0.0	7519.1	0.0
load	N_1700078893	constant_power_C_reac	15038.2	0.0	7519.1	0.0
load	N_1700094610	constant_power_A	1338.31	829.41	669.155	414.705
load	N_1700094610	constant_power_B	1338.31	829.41	669.155	414.705
load	N_1700094610	constant_power_C	1338.31	829.41	669.155	414.705
load	N_1700094610	constant_power_A_real	1338.31	0.0	669.155	0.0
load	N_1700094610	constant_power_B_real	1338.31	0.0	669.155	0.0
load	N_1700094610	constant_power_C_real	1338.31	0.0	669.155	0.0
load	N_1700094610	constant_power_A_reac	829.41	0.0	414.705	0.0
load	N_1700094610	constant_power_B_reac	829.41	0.0	414.705	0.0
load	N_1700094610	constant_power_C_reac	829.41	0.0	414.705	0.0
load	N_1700094412	constant_power_A	4217.8	2613.96	2108.9	1306.98
load	N_1700094412	constant_power_B	4217.8	2613.96	2108.9	1306.98
load	N_1700094412	constant_power_A_real	4217.8	0.0	2108.9	0.0
load	N_1700094412	constant_power_B_real	4217.8	0.0	2108.9	0.0
load	N_1700094412	constant_power_A_reac	2613.96	0.0	1306.98	0.0
load	N_1700094412	constant_power_B_reac	2613.96	0.0	1306.98	0.0
load	N_1700094559	constant_power_A	37761.5	23402.5	18880.75	11701.25
load	N_1700094559	constant_power_B	37761.5	23402.5	18880.75	11701.25
load	N_1700094559	constant_power_C	37761.5	23402.5	18880.75	11701.25
load	N_1700094559	constant_power_A_real	37761.5	0.0	18880.75	0.0
load	N_1700094559	constant_power_B_real	37761.5	0.0	18880.75	0.0
load	N_1700094559	constant_power_C_real	37761.5	0.0	18880.75	0.0
load	N_1700094559	constant_power_A_reac	23402.5	0.0	11701.25	0.0
load	N_1700094559	constant_power_B_reac	23402.5	0.0	11701.25	0.0
load	N_1700094559	constant_power_C_reac	23402.5	0.0	11701.25	0.0
load	N_1700094417	constant_power_A	1247.47	773.115	623.735	386.5575
load	N_1700094417	constant_power_B	1247.47	773.115	623.735	386.5575
load	N_1700094417	constant_power_A_real	1247.47	0.0	623.735	0.0
load	N_1700094417	constant_power_B_real	1247.47	0.0	623.735	0.0
load	N_1700094417	constant_power_A_reac	773.115	0.0	386.5575	0.0
load	N_1700094417	constant_power_B_reac	773.115	0.0	386.5575	0.0
load	N_1700089332	constant_power_A	4632.61	1522.67	2316.305	761.335
load	N_1700089332	constant_power_A_real	4632.61	0.0	2316.305	0.0
load	N_1700089332	constant_power_A_reac	1522.67	0.0	761.335	0.0
load	N_1700091811	constant_power_A	232.135	143.865	116.0675	71.9325
load	N_1700091811	constant_power_B	232.135	143.865	116.0675	71.9325
load	N_1700091811	constant_power_C	232.135	143.865	116.0675	71.9325
load	N_1700091811	constant_power_A_real	232.135	0.0	116.0675	0.0
load	N_1700091811	constant_power_B_real	232.135	0.0	116.0675	0.0
load	N_1700091811	constant_power_C_real	232.135	0.0	116.0675	0.0
load	N_1700091811	constant_power_A_reac	143.865	0.0	71.9325	0.0
load	N_1700091811	constant_power_B_reac	143.865	0.0	71.9325	0.0
load	N_1700091811	constant_power_C_reac	143.865	0.0	71.9325	0.0
load	N_1700094550	constant_power_A	1378.68	527.179	689.34	263.5895
load	N_1700094550	constant_power_B	1378.68	527.179	689.34	263.5895
load	N_1700094550	constant_power_C	1378.68	527.179	689.34	263.5895
load	N_1700094550	constant_power_A_real	1378.68	0.0	689.34	0.0
load	N_1700094550	constant_power_B_real	1378.68	0.0	689.34	0.0
load	N_1700094550	constant_power_C_real	1378.68	0.0	689.34	0.0
load	N_1700094550	constant_power_A_reac	527.179	0.0	263.5895	0.0
load	N_1700094550	constant_power_B_reac	527.179	0.0	263.5895	0.0
load	N_1700094550	constant_power_C_reac	527.179	0.0	263.5895	0.0
load	N_170008475	constant_power_A	13988.7	8669.4	6994.35	4334.7
load	N_170008475	constant_power_B	13988.7	8669.4	6994.35	4334.7
load	N_170008475	constant_power_C	13988.7	8669.4	6994.35	4334.7
load	N_170008475	constant_power_A_real	13988.7	0.0	6994.35	0.0
load	N_170008475	constant_power_B_real	13988.7	0.0	6994.35	0.0
load	N_170008475	constant_power_C_real	13988.7	0.0	6994.35	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700008475	constant_power_A_reac	8669.4	0.0	4334.7	0.0
load	N_1700008475	constant_power_B_reac	8669.4	0.0	4334.7	0.0
load	N_1700008475	constant_power_C_reac	8669.4	0.0	4334.7	0.0
load	N_1700094554	constant_power_A	46883.2	29055.6	23441.6	14527.8
load	N_1700094554	constant_power_B	46883.2	29055.6	23441.6	14527.8
load	N_1700094554	constant_power_C	46883.2	29055.6	23441.6	14527.8
load	N_1700094554	constant_power_A_real	46883.2	0.0	23441.6	0.0
load	N_1700094554	constant_power_B_real	46883.2	0.0	23441.6	0.0
load	N_1700094554	constant_power_C_real	46883.2	0.0	23441.6	0.0
load	N_1700094554	constant_power_A_reac	29055.6	0.0	14527.8	0.0
load	N_1700094554	constant_power_B_reac	29055.6	0.0	14527.8	0.0
load	N_1700094554	constant_power_C_reac	29055.6	0.0	14527.8	0.0
load	N_1700042798	constant_power_A	70500.0	43692.0	35250.0	21846.0
load	N_1700042798	constant_power_B	70500.0	43692.0	35250.0	21846.0
load	N_1700042798	constant_power_A_real	70500.0	0.0	35250.0	0.0
load	N_1700042798	constant_power_B_real	70500.0	0.0	35250.0	0.0
load	N_1700042798	constant_power_A_reac	43692.0	0.0	21846.0	0.0
load	N_1700042798	constant_power_B_reac	43692.0	0.0	21846.0	0.0
load	N_1700120939	constant_power_A	1172.79	385.477	586.395	192.7385
load	N_1700120939	constant_power_B	1172.79	385.477	586.395	192.7385
load	N_1700120939	constant_power_C	1172.79	385.477	586.395	192.7385
load	N_1700120939	constant_power_A_real	1172.79	0.0	586.395	0.0
load	N_1700120939	constant_power_B_real	1172.79	0.0	586.395	0.0
load	N_1700120939	constant_power_C_real	1172.79	0.0	586.395	0.0
load	N_1700120939	constant_power_A_reac	385.477	0.0	192.7385	0.0
load	N_1700120939	constant_power_B_reac	385.477	0.0	192.7385	0.0
load	N_1700120939	constant_power_C_reac	385.477	0.0	192.7385	0.0
load	N_1700069948	constant_power_A	474.363	155.916	237.1815	77.958
load	N_1700069948	constant_power_B	474.363	155.916	237.1815	77.958
load	N_1700069948	constant_power_C	474.363	155.916	237.1815	77.958
load	N_1700069948	constant_power_A_real	474.363	0.0	237.1815	0.0
load	N_1700069948	constant_power_B_real	474.363	0.0	237.1815	0.0
load	N_1700069948	constant_power_C_real	474.363	0.0	237.1815	0.0
load	N_1700069948	constant_power_A_reac	155.916	0.0	77.958	0.0
load	N_1700069948	constant_power_B_reac	155.916	0.0	77.958	0.0
load	N_1700069948	constant_power_C_reac	155.916	0.0	77.958	0.0
load	N_1700120935	constant_power_A	2068.02	679.726	1034.01	339.863
load	N_1700120935	constant_power_B	2068.02	679.726	1034.01	339.863
load	N_1700120935	constant_power_A_real	2068.02	0.0	1034.01	0.0
load	N_1700120935	constant_power_B_real	2068.02	0.0	1034.01	0.0
load	N_1700120935	constant_power_A_reac	679.726	0.0	339.863	0.0
load	N_1700120935	constant_power_B_reac	679.726	0.0	339.863	0.0
load	N_1700094726	constant_power_A	197.82	122.598	98.91	61.299
load	N_1700094726	constant_power_B	197.82	122.598	98.91	61.299
load	N_1700094726	constant_power_C	197.82	122.598	98.91	61.299
load	N_1700094726	constant_power_A_real	197.82	0.0	98.91	0.0
load	N_1700094726	constant_power_B_real	197.82	0.0	98.91	0.0
load	N_1700094726	constant_power_C_real	197.82	0.0	98.91	0.0
load	N_1700094726	constant_power_A_reac	122.598	0.0	61.299	0.0
load	N_1700094726	constant_power_B_reac	122.598	0.0	61.299	0.0
load	N_1700094726	constant_power_C_reac	122.598	0.0	61.299	0.0
load	N_1700078799	constant_power_A	373.435	122.742	186.7175	61.371
load	N_1700078799	constant_power_B	373.435	122.742	186.7175	61.371
load	N_1700078799	constant_power_C	373.435	122.742	186.7175	61.371
load	N_1700078799	constant_power_A_real	373.435	0.0	186.7175	0.0
load	N_1700078799	constant_power_B_real	373.435	0.0	186.7175	0.0
load	N_1700078799	constant_power_C_real	373.435	0.0	186.7175	0.0
load	N_1700078799	constant_power_A_reac	122.742	0.0	61.371	0.0
load	N_1700078799	constant_power_B_reac	122.742	0.0	61.371	0.0
load	N_1700078799	constant_power_C_reac	122.742	0.0	61.371	0.0
load	N_1700021648	constant_power_A	639.886	210.32	319.943	105.16
load	N_1700021648	constant_power_B	639.886	210.32	319.943	105.16
load	N_1700021648	constant_power_C	639.886	210.32	319.943	105.16

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700021648	constant_power_A_real	639.886	0.0	319.943	0.0
load	N_1700021648	constant_power_B_real	639.886	0.0	319.943	0.0
load	N_1700021648	constant_power_C_real	639.886	0.0	319.943	0.0
load	N_1700021648	constant_power_A_reac	210.32	0.0	105.16	0.0
load	N_1700021648	constant_power_B_reac	210.32	0.0	105.16	0.0
load	N_1700021648	constant_power_C_reac	210.32	0.0	105.16	0.0
load	N_1700123968	constant_power_A	2054.9	1273.51	1027.45	636.755
load	N_1700123968	constant_power_B	2054.9	1273.51	1027.45	636.755
load	N_1700123968	constant_power_C	2054.9	1273.51	1027.45	636.755
load	N_1700123968	constant_power_A_real	2054.9	0.0	1027.45	0.0
load	N_1700123968	constant_power_B_real	2054.9	0.0	1027.45	0.0
load	N_1700123968	constant_power_C_real	2054.9	0.0	1027.45	0.0
load	N_1700123968	constant_power_A_reac	1273.51	0.0	636.755	0.0
load	N_1700123968	constant_power_B_reac	1273.51	0.0	636.755	0.0
load	N_1700123968	constant_power_C_reac	1273.51	0.0	636.755	0.0
load	N_1700091771	constant_power_A	27666.7	17146.3	13833.35	8573.15
load	N_1700091771	constant_power_B	27666.7	17146.3	13833.35	8573.15
load	N_1700091771	constant_power_C	27666.7	17146.3	13833.35	8573.15
load	N_1700091771	constant_power_A_real	27666.7	0.0	13833.35	0.0
load	N_1700091771	constant_power_B_real	27666.7	0.0	13833.35	0.0
load	N_1700091771	constant_power_C_real	27666.7	0.0	13833.35	0.0
load	N_1700091771	constant_power_A_reac	17146.3	0.0	8573.15	0.0
load	N_1700091771	constant_power_B_reac	17146.3	0.0	8573.15	0.0
load	N_1700091771	constant_power_C_reac	17146.3	0.0	8573.15	0.0
load	N_1700018656	constant_power_A	46.427	15.2598	23.2135	7.6299
load	N_1700018656	constant_power_B	46.427	15.2598	23.2135	7.6299
load	N_1700018656	constant_power_C	46.427	15.2598	23.2135	7.6299
load	N_1700018656	constant_power_A_real	46.427	0.0	23.2135	0.0
load	N_1700018656	constant_power_B_real	46.427	0.0	23.2135	0.0
load	N_1700018656	constant_power_C_real	46.427	0.0	23.2135	0.0
load	N_1700018656	constant_power_A_reac	15.2598	0.0	7.6299	0.0
load	N_1700018656	constant_power_B_reac	15.2598	0.0	7.6299	0.0
load	N_1700018656	constant_power_C_reac	15.2598	0.0	7.6299	0.0
load	N_1700018651	constant_power_A	2961.24	973.312	1480.62	486.656
load	N_1700018651	constant_power_A_real	2961.24	0.0	1480.62	0.0
load	N_1700018651	constant_power_A_reac	973.312	0.0	486.656	0.0
load	N_1700094672	constant_power_A	555.106	344.024	277.553	172.012
load	N_1700094672	constant_power_B	555.106	344.024	277.553	172.012
load	N_1700094672	constant_power_C	555.106	344.024	277.553	172.012
load	N_1700094672	constant_power_A_real	555.106	0.0	277.553	0.0
load	N_1700094672	constant_power_B_real	555.106	0.0	277.553	0.0
load	N_1700094672	constant_power_C_real	555.106	0.0	277.553	0.0
load	N_1700094672	constant_power_A_reac	344.024	0.0	172.012	0.0
load	N_1700094672	constant_power_B_reac	344.024	0.0	172.012	0.0
load	N_1700094672	constant_power_C_reac	344.024	0.0	172.012	0.0
load	N_1700094646	constant_power_A	569.236	187.099	284.618	93.5495
load	N_1700094646	constant_power_A_real	569.236	0.0	284.618	0.0
load	N_1700094646	constant_power_A_reac	187.099	0.0	93.5495	0.0
load	N_1700008983	constant_power_A	2791.68	917.58	1395.84	458.79
load	N_1700008983	constant_power_A_real	2791.68	0.0	1395.84	0.0
load	N_1700008983	constant_power_A_reac	917.58	0.0	458.79	0.0
load	N_1700008985	constant_power_A	4818.32	2697.65	2409.16	1348.825
load	N_1700008985	constant_power_B	4818.32	2697.65	2409.16	1348.825
load	N_1700008985	constant_power_C	4818.32	2697.65	2409.16	1348.825
load	N_1700008985	constant_power_A_real	4818.32	0.0	2409.16	0.0
load	N_1700008985	constant_power_B_real	4818.32	0.0	2409.16	0.0
load	N_1700008985	constant_power_C_real	4818.32	0.0	2409.16	0.0
load	N_1700008985	constant_power_A_reac	2697.65	0.0	1348.825	0.0
load	N_1700008985	constant_power_B_reac	2697.65	0.0	1348.825	0.0
load	N_1700008985	constant_power_C_reac	2697.65	0.0	1348.825	0.0
load	N_1700008988	constant_power_A	66.613	21.8946	33.3065	10.9473
load	N_1700008988	constant_power_B	66.613	21.8946	33.3065	10.9473
load	N_1700008988	constant_power_A_real	66.613	0.0	33.3065	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700008988	constant_power_B_real	66.613	0.0	33.3065	0.0
load	N_1700008988	constant_power_A_reac	21.8946	0.0	10.9473	0.0
load	N_1700008988	constant_power_B_reac	21.8946	0.0	10.9473	0.0
load	N_1700018660	constant_power_A	502.623	165.204	251.3115	82.602
load	N_1700018660	constant_power_B	502.623	165.204	251.3115	82.602
load	N_1700018660	constant_power_A_real	502.623	0.0	251.3115	0.0
load	N_1700018660	constant_power_B_real	502.623	0.0	251.3115	0.0
load	N_1700018660	constant_power_A_reac	165.204	0.0	82.602	0.0
load	N_1700018660	constant_power_B_reac	165.204	0.0	82.602	0.0
load	N_1700018661	constant_power_A	60.557	37.5299	30.2785	18.76495
load	N_1700018661	constant_power_B	60.557	37.5299	30.2785	18.76495
load	N_1700018661	constant_power_C	60.557	37.5299	30.2785	18.76495
load	N_1700018661	constant_power_A_real	60.557	0.0	30.2785	0.0
load	N_1700018661	constant_power_B_real	60.557	0.0	30.2785	0.0
load	N_1700018661	constant_power_C_real	60.557	0.0	30.2785	0.0
load	N_1700018661	constant_power_A_reac	37.5299	0.0	18.76495	0.0
load	N_1700018661	constant_power_B_reac	37.5299	0.0	18.76495	0.0
load	N_1700018661	constant_power_C_reac	37.5299	0.0	18.76495	0.0
load	N_1700072341	constant_power_A	1132.42	372.207	566.21	186.1035
load	N_1700072341	constant_power_B	1132.42	372.207	566.21	186.1035
load	N_1700072341	constant_power_A_real	1132.42	0.0	566.21	0.0
load	N_1700072341	constant_power_B_real	1132.42	0.0	566.21	0.0
load	N_1700072341	constant_power_A_reac	372.207	0.0	186.1035	0.0
load	N_1700072341	constant_power_B_reac	372.207	0.0	186.1035	0.0
load	N_1700093957	constant_power_A	1635.04	537.411	817.52	268.7055
load	N_1700093957	constant_power_A_real	1635.04	0.0	817.52	0.0
load	N_1700093957	constant_power_A_reac	537.411	0.0	268.7055	0.0
load	N_1700091778	constant_power_A	3393.21	2102.92	1696.605	1051.46
load	N_1700091778	constant_power_B	3393.21	2102.92	1696.605	1051.46
load	N_1700091778	constant_power_C	3393.21	2102.92	1696.605	1051.46
load	N_1700091778	constant_power_A_real	3393.21	0.0	1696.605	0.0
load	N_1700091778	constant_power_B_real	3393.21	0.0	1696.605	0.0
load	N_1700091778	constant_power_C_real	3393.21	0.0	1696.605	0.0
load	N_1700091778	constant_power_A_reac	2102.92	0.0	1051.46	0.0
load	N_1700091778	constant_power_B_reac	2102.92	0.0	1051.46	0.0
load	N_1700091778	constant_power_C_reac	2102.92	0.0	1051.46	0.0
load	N_1700093487	constant_power_A	1017.36	334.389	508.68	167.1945
load	N_1700093487	constant_power_A_real	1017.36	0.0	508.68	0.0
load	N_1700093487	constant_power_A_reac	334.389	0.0	167.1945	0.0
load	N_1700093486	constant_power_A	2028.66	666.788	1014.33	333.394
load	N_1700093486	constant_power_A_real	2028.66	0.0	1014.33	0.0
load	N_1700093486	constant_power_A_reac	666.788	0.0	333.394	0.0
load	N_1700093480	constant_power_A	974.968	320.456	487.484	160.228
load	N_1700093480	constant_power_A_real	974.968	0.0	487.484	0.0
load	N_1700093480	constant_power_A_reac	320.456	0.0	160.228	0.0
load	N_1700078798	constant_power_A	40.3713	25.0199	20.18565	12.50995
load	N_1700078798	constant_power_B	40.3713	25.0199	20.18565	12.50995
load	N_1700078798	constant_power_C	40.3713	25.0199	20.18565	12.50995
load	N_1700078798	constant_power_A_real	40.3713	0.0	20.18565	0.0
load	N_1700078798	constant_power_B_real	40.3713	0.0	20.18565	0.0
load	N_1700078798	constant_power_C_real	40.3713	0.0	20.18565	0.0
load	N_1700078798	constant_power_A_reac	25.0199	0.0	12.50995	0.0
load	N_1700078798	constant_power_B_reac	25.0199	0.0	12.50995	0.0
load	N_1700078798	constant_power_C_reac	25.0199	0.0	12.50995	0.0
load	N_1700093482	constant_power_A	36.334	11.9424	18.167	5.9712
load	N_1700093482	constant_power_A_real	36.334	0.0	18.167	0.0
load	N_1700093482	constant_power_A_reac	11.9424	0.0	5.9712	0.0
load	N_1700091770	constant_power_A	264.432	86.9147	132.216	43.45735
load	N_1700091770	constant_power_B	264.432	86.9147	132.216	43.45735
load	N_1700091770	constant_power_C	264.432	86.9147	132.216	43.45735
load	N_1700091770	constant_power_A_real	264.432	0.0	132.216	0.0
load	N_1700091770	constant_power_B_real	264.432	0.0	132.216	0.0
load	N_1700091770	constant_power_C_real	264.432	0.0	132.216	0.0

Table 11: Validation data for loadfactor PG&E HL0004 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1700091770	constant_power_A_reac	86.9147	0.0	43.45735	0.0
load	N_1700091770	constant_power_B_reac	86.9147	0.0	43.45735	0.0
load	N_1700091770	constant_power_C_reac	86.9147	0.0	43.45735	0.0
load	N_1700091773	constant_power_A	1524.02	500.92	762.01	250.46
load	N_1700091773	constant_power_B	1524.02	500.92	762.01	250.46
load	N_1700091773	constant_power_C	1524.02	500.92	762.01	250.46
load	N_1700091773	constant_power_A_real	1524.02	0.0	762.01	0.0
load	N_1700091773	constant_power_B_real	1524.02	0.0	762.01	0.0
load	N_1700091773	constant_power_C_real	1524.02	0.0	762.01	0.0
load	N_1700091773	constant_power_A_reac	500.92	0.0	250.46	0.0
load	N_1700091773	constant_power_B_reac	500.92	0.0	250.46	0.0
load	N_1700091773	constant_power_C_reac	500.92	0.0	250.46	0.0
load	N_1700091774	constant_power_A	8.07433	5.00402	4.037165	2.50201
load	N_1700091774	constant_power_B	8.07433	5.00402	4.037165	2.50201
load	N_1700091774	constant_power_C	8.07433	5.00402	4.037165	2.50201
load	N_1700091774	constant_power_A_real	8.07433	0.0	4.037165	0.0
load	N_1700091774	constant_power_B_real	8.07433	0.0	4.037165	0.0
load	N_1700091774	constant_power_C_real	8.07433	0.0	4.037165	0.0
load	N_1700091774	constant_power_A_reac	5.00402	0.0	2.50201	0.0
load	N_1700091774	constant_power_B_reac	5.00402	0.0	2.50201	0.0
load	N_1700091774	constant_power_C_reac	5.00402	0.0	2.50201	0.0
load	N_1700091777	constant_power_A	1081.95	355.62	540.975	177.81
load	N_1700091777	constant_power_B	1081.95	355.62	540.975	177.81
load	N_1700091777	constant_power_C	1081.95	355.62	540.975	177.81
load	N_1700091777	constant_power_A_real	1081.95	0.0	540.975	0.0
load	N_1700091777	constant_power_B_real	1081.95	0.0	540.975	0.0
load	N_1700091777	constant_power_C_real	1081.95	0.0	540.975	0.0
load	N_1700091777	constant_power_A_reac	355.62	0.0	177.81	0.0
load	N_1700091777	constant_power_B_reac	355.62	0.0	177.81	0.0
load	N_1700091777	constant_power_C_reac	355.62	0.0	177.81	0.0
load	N_1700091776	constant_power_A	4969.71	2884.89	2484.855	1442.445
load	N_1700091776	constant_power_B	4969.71	2884.89	2484.855	1442.445
load	N_1700091776	constant_power_C	4969.71	2884.89	2484.855	1442.445
load	N_1700091776	constant_power_A_real	4969.71	0.0	2484.855	0.0
load	N_1700091776	constant_power_B_real	4969.71	0.0	2484.855	0.0
load	N_1700091776	constant_power_C_real	4969.71	0.0	2484.855	0.0
load	N_1700091776	constant_power_A_reac	2884.89	0.0	1442.445	0.0
load	N_1700091776	constant_power_B_reac	2884.89	0.0	1442.445	0.0
load	N_1700091776	constant_power_C_reac	2884.89	0.0	1442.445	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200092490	constant_power_A	3477.04	1142.85	1738.52	571.425
load	N_1200092490	constant_power_B	3477.04	1142.85	1738.52	571.425
load	N_1200092490	constant_power_C	3477.04	1142.85	1738.52	571.425
load	N_1200092490	constant_power_A_real	3477.04	0.0	1738.52	0.0
load	N_1200092490	constant_power_B_real	3477.04	0.0	1738.52	0.0
load	N_1200092490	constant_power_C_real	3477.04	0.0	1738.52	0.0
load	N_1200092490	constant_power_A_reac	1142.85	0.0	571.425	0.0
load	N_1200092490	constant_power_B_reac	1142.85	0.0	571.425	0.0
load	N_1200092490	constant_power_C_reac	1142.85	0.0	571.425	0.0
load	N_1200178902	constant_power_A	2655.09	872.688	1327.545	436.344
load	N_1200178902	constant_power_B	2655.09	872.688	1327.545	436.344
load	N_1200178902	constant_power_C	2655.09	872.688	1327.545	436.344
load	N_1200178902	constant_power_A_real	2655.09	0.0	1327.545	0.0
load	N_1200178902	constant_power_B_real	2655.09	0.0	1327.545	0.0
load	N_1200178902	constant_power_C_real	2655.09	0.0	1327.545	0.0
load	N_1200178902	constant_power_A_reac	872.688	0.0	436.344	0.0
load	N_1200178902	constant_power_B_reac	872.688	0.0	436.344	0.0
load	N_1200178902	constant_power_C_reac	872.688	0.0	436.344	0.0
load	N_1200091162	constant_power_A	4109.72	2546.98	2054.86	1273.49

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200091162	constant_power_B	4109.72	2546.98	2054.86	1273.49
load	N_1200091162	constant_power_C	4109.72	2546.98	2054.86	1273.49
load	N_1200091162	constant_power_A_real	4109.72	0.0	2054.86	0.0
load	N_1200091162	constant_power_B_real	4109.72	0.0	2054.86	0.0
load	N_1200091162	constant_power_C_real	4109.72	0.0	2054.86	0.0
load	N_1200091162	constant_power_A_reac	2546.98	0.0	1273.49	0.0
load	N_1200091162	constant_power_B_reac	2546.98	0.0	1273.49	0.0
load	N_1200091162	constant_power_C_reac	2546.98	0.0	1273.49	0.0
load	N_1200099801	constant_power_A	1108.54	364.36	554.27	182.18
load	N_1200099801	constant_power_B	1108.54	364.36	554.27	182.18
load	N_1200099801	constant_power_C	1108.54	364.36	554.27	182.18
load	N_1200099801	constant_power_A_real	1108.54	0.0	554.27	0.0
load	N_1200099801	constant_power_B_real	1108.54	0.0	554.27	0.0
load	N_1200099801	constant_power_C_real	1108.54	0.0	554.27	0.0
load	N_1200099801	constant_power_A_reac	364.36	0.0	182.18	0.0
load	N_1200099801	constant_power_B_reac	364.36	0.0	182.18	0.0
load	N_1200099801	constant_power_C_reac	364.36	0.0	182.18	0.0
load	N_1200093575	constant_power_A	3282.37	2034.23	1641.185	1017.115
load	N_1200093575	constant_power_B	3282.37	2034.23	1641.185	1017.115
load	N_1200093575	constant_power_C	3282.37	2034.23	1641.185	1017.115
load	N_1200093575	constant_power_A_real	3282.37	0.0	1641.185	0.0
load	N_1200093575	constant_power_B_real	3282.37	0.0	1641.185	0.0
load	N_1200093575	constant_power_C_real	3282.37	0.0	1641.185	0.0
load	N_1200093575	constant_power_A_reac	2034.23	0.0	1017.115	0.0
load	N_1200093575	constant_power_B_reac	2034.23	0.0	1017.115	0.0
load	N_1200093575	constant_power_C_reac	2034.23	0.0	1017.115	0.0
load	N_1200157436	constant_power_A	4001.57	1315.25	2000.785	657.625
load	N_1200157436	constant_power_B	4001.57	1315.25	2000.785	657.625
load	N_1200157436	constant_power_C	4001.57	1315.25	2000.785	657.625
load	N_1200157436	constant_power_A_real	4001.57	0.0	2000.785	0.0
load	N_1200157436	constant_power_B_real	4001.57	0.0	2000.785	0.0
load	N_1200157436	constant_power_C_real	4001.57	0.0	2000.785	0.0
load	N_1200157436	constant_power_A_reac	1315.25	0.0	657.625	0.0
load	N_1200157436	constant_power_B_reac	1315.25	0.0	657.625	0.0
load	N_1200157436	constant_power_C_reac	1315.25	0.0	657.625	0.0
load	N_1200093572	constant_power_A	1941.3	677.423	970.65	338.7115
load	N_1200093572	constant_power_B	1941.3	677.423	970.65	338.7115
load	N_1200093572	constant_power_C	1941.3	677.423	970.65	338.7115
load	N_1200093572	constant_power_A_real	1941.3	0.0	970.65	0.0
load	N_1200093572	constant_power_B_real	1941.3	0.0	970.65	0.0
load	N_1200093572	constant_power_C_real	1941.3	0.0	970.65	0.0
load	N_1200093572	constant_power_A_reac	677.423	0.0	338.7115	0.0
load	N_1200093572	constant_power_B_reac	677.423	0.0	338.7115	0.0
load	N_1200093572	constant_power_C_reac	677.423	0.0	338.7115	0.0
load	N_1200157435	constant_power_A	5.40767	3.35137	2.703835	1.675685
load	N_1200157435	constant_power_B	5.40767	3.35137	2.703835	1.675685
load	N_1200157435	constant_power_C	5.40767	3.35137	2.703835	1.675685
load	N_1200157435	constant_power_A_real	5.40767	0.0	2.703835	0.0
load	N_1200157435	constant_power_B_real	5.40767	0.0	2.703835	0.0
load	N_1200157435	constant_power_C_real	5.40767	0.0	2.703835	0.0
load	N_1200157435	constant_power_A_reac	3.35137	0.0	1.675685	0.0
load	N_1200157435	constant_power_B_reac	3.35137	0.0	1.675685	0.0
load	N_1200157435	constant_power_C_reac	3.35137	0.0	1.675685	0.0
load	N_1200157438	constant_power_A	1687.15	1045.6	843.575	522.8
load	N_1200157438	constant_power_B	1687.15	1045.6	843.575	522.8
load	N_1200157438	constant_power_C	1687.15	1045.6	843.575	522.8
load	N_1200157438	constant_power_A_real	1687.15	0.0	843.575	0.0
load	N_1200157438	constant_power_B_real	1687.15	0.0	843.575	0.0
load	N_1200157438	constant_power_C_real	1687.15	0.0	843.575	0.0
load	N_1200157438	constant_power_A_reac	1045.6	0.0	522.8	0.0
load	N_1200157438	constant_power_B_reac	1045.6	0.0	522.8	0.0
load	N_1200157438	constant_power_C_reac	1045.6	0.0	522.8	0.0
load	N_1200093578	constant_power_A	32.445	20.1076	16.2225	10.0538

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200093578	constant_power_B	32.445	20.1076	16.2225	10.0538
load	N_1200093578	constant_power_C	32.445	20.1076	16.2225	10.0538
load	N_1200093578	constant_power_A_real	32.445	0.0	16.2225	0.0
load	N_1200093578	constant_power_B_real	32.445	0.0	16.2225	0.0
load	N_1200093578	constant_power_C_real	32.445	0.0	16.2225	0.0
load	N_1200093578	constant_power_A_reac	20.1076	0.0	10.0538	0.0
load	N_1200093578	constant_power_B_reac	20.1076	0.0	10.0538	0.0
load	N_1200093578	constant_power_C_reac	20.1076	0.0	10.0538	0.0
load	N_1200093579	constant_power_A	1865.6	613.192	932.8	306.596
load	N_1200093579	constant_power_B	1865.6	613.192	932.8	306.596
load	N_1200093579	constant_power_C	1865.6	613.192	932.8	306.596
load	N_1200093579	constant_power_A_real	1865.6	0.0	932.8	0.0
load	N_1200093579	constant_power_B_real	1865.6	0.0	932.8	0.0
load	N_1200093579	constant_power_C_real	1865.6	0.0	932.8	0.0
load	N_1200093579	constant_power_A_reac	613.192	0.0	306.596	0.0
load	N_1200093579	constant_power_B_reac	613.192	0.0	306.596	0.0
load	N_1200093579	constant_power_C_reac	613.192	0.0	306.596	0.0
load	N_1200120278	constant_power_A	1470.85	911.549	735.425	455.7745
load	N_1200120278	constant_power_B	1470.85	911.549	735.425	455.7745
load	N_1200120278	constant_power_C	1470.85	911.549	735.425	455.7745
load	N_1200120278	constant_power_A_real	1470.85	0.0	735.425	0.0
load	N_1200120278	constant_power_B_real	1470.85	0.0	735.425	0.0
load	N_1200120278	constant_power_C_real	1470.85	0.0	735.425	0.0
load	N_1200120278	constant_power_A_reac	911.549	0.0	455.7745	0.0
load	N_1200120278	constant_power_B_reac	911.549	0.0	455.7745	0.0
load	N_1200120278	constant_power_C_reac	911.549	0.0	455.7745	0.0
load	N_1200037510	constant_power_A	9468.58	5868.1	4734.29	2934.05
load	N_1200037510	constant_power_B	9468.58	5868.1	4734.29	2934.05
load	N_1200037510	constant_power_C	9468.58	5868.1	4734.29	2934.05
load	N_1200037510	constant_power_A_real	9468.58	0.0	4734.29	0.0
load	N_1200037510	constant_power_B_real	9468.58	0.0	4734.29	0.0
load	N_1200037510	constant_power_C_real	9468.58	0.0	4734.29	0.0
load	N_1200037510	constant_power_A_reac	5868.1	0.0	2934.05	0.0
load	N_1200037510	constant_power_B_reac	5868.1	0.0	2934.05	0.0
load	N_1200037510	constant_power_C_reac	5868.1	0.0	2934.05	0.0
load	N_1200178998	constant_power_A	957.132	374.403	478.566	187.2015
load	N_1200178998	constant_power_B	957.132	374.403	478.566	187.2015
load	N_1200178998	constant_power_C	957.132	374.403	478.566	187.2015
load	N_1200178998	constant_power_A_real	957.132	0.0	478.566	0.0
load	N_1200178998	constant_power_B_real	957.132	0.0	478.566	0.0
load	N_1200178998	constant_power_C_real	957.132	0.0	478.566	0.0
load	N_1200178998	constant_power_A_reac	374.403	0.0	187.2015	0.0
load	N_1200178998	constant_power_B_reac	374.403	0.0	187.2015	0.0
load	N_1200178998	constant_power_C_reac	374.403	0.0	187.2015	0.0
load	N_1200087824	constant_power_A	1362.7	447.897	681.35	223.9485
load	N_1200087824	constant_power_B	1362.7	447.897	681.35	223.9485
load	N_1200087824	constant_power_C	1362.7	447.897	681.35	223.9485
load	N_1200087824	constant_power_A_real	1362.7	0.0	681.35	0.0
load	N_1200087824	constant_power_B_real	1362.7	0.0	681.35	0.0
load	N_1200087824	constant_power_C_real	1362.7	0.0	681.35	0.0
load	N_1200087824	constant_power_A_reac	447.897	0.0	223.9485	0.0
load	N_1200087824	constant_power_B_reac	447.897	0.0	223.9485	0.0
load	N_1200087824	constant_power_C_reac	447.897	0.0	223.9485	0.0
load	N_1200120294	constant_power_A	3212.07	1060.48	1606.035	530.24
load	N_1200120294	constant_power_B	3212.07	1060.48	1606.035	530.24
load	N_1200120294	constant_power_C	3212.07	1060.48	1606.035	530.24
load	N_1200120294	constant_power_A_real	3212.07	0.0	1606.035	0.0
load	N_1200120294	constant_power_B_real	3212.07	0.0	1606.035	0.0
load	N_1200120294	constant_power_C_real	3212.07	0.0	1606.035	0.0
load	N_1200120294	constant_power_A_reac	1060.48	0.0	530.24	0.0
load	N_1200120294	constant_power_B_reac	1060.48	0.0	530.24	0.0
load	N_1200120294	constant_power_C_reac	1060.48	0.0	530.24	0.0
load	N_1200156502	constant_power_A	3066.07	1007.77	1533.035	503.885

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156502	constant_power_B	3066.07	1007.77	1533.035	503.885
load	N_1200156502	constant_power_C	3066.07	1007.77	1533.035	503.885
load	N_1200156502	constant_power_A_real	3066.07	0.0	1533.035	0.0
load	N_1200156502	constant_power_B_real	3066.07	0.0	1533.035	0.0
load	N_1200156502	constant_power_C_real	3066.07	0.0	1533.035	0.0
load	N_1200156502	constant_power_A_reac	1007.77	0.0	503.885	0.0
load	N_1200156502	constant_power_B_reac	1007.77	0.0	503.885	0.0
load	N_1200156502	constant_power_C_reac	1007.77	0.0	503.885	0.0
load	N_1200120290	constant_power_A	892.242	293.266	446.121	146.633
load	N_1200120290	constant_power_B	892.242	293.266	446.121	146.633
load	N_1200120290	constant_power_C	892.242	293.266	446.121	146.633
load	N_1200120290	constant_power_A_real	892.242	0.0	446.121	0.0
load	N_1200120290	constant_power_B_real	892.242	0.0	446.121	0.0
load	N_1200120290	constant_power_C_real	892.242	0.0	446.121	0.0
load	N_1200120290	constant_power_A_reac	293.266	0.0	146.633	0.0
load	N_1200120290	constant_power_B_reac	293.266	0.0	146.633	0.0
load	N_1200120290	constant_power_C_reac	293.266	0.0	146.633	0.0
load	N_1200120292	constant_power_A	13216.0	8190.54	6608.0	4095.27
load	N_1200120292	constant_power_B	13216.0	8190.54	6608.0	4095.27
load	N_1200120292	constant_power_C	13216.0	8190.54	6608.0	4095.27
load	N_1200120292	constant_power_A_real	13216.0	0.0	6608.0	0.0
load	N_1200120292	constant_power_B_real	13216.0	0.0	6608.0	0.0
load	N_1200120292	constant_power_C_real	13216.0	0.0	6608.0	0.0
load	N_1200120292	constant_power_A_reac	8190.54	0.0	4095.27	0.0
load	N_1200120292	constant_power_B_reac	8190.54	0.0	4095.27	0.0
load	N_1200120292	constant_power_C_reac	8190.54	0.0	4095.27	0.0
load	N_1200156691	constant_power_A	1265.36	415.904	632.68	207.952
load	N_1200156691	constant_power_B	1265.36	415.904	632.68	207.952
load	N_1200156691	constant_power_C	1265.36	415.904	632.68	207.952
load	N_1200156691	constant_power_A_real	1265.36	0.0	632.68	0.0
load	N_1200156691	constant_power_B_real	1265.36	0.0	632.68	0.0
load	N_1200156691	constant_power_C_real	1265.36	0.0	632.68	0.0
load	N_1200156691	constant_power_A_reac	415.904	0.0	207.952	0.0
load	N_1200156691	constant_power_B_reac	415.904	0.0	207.952	0.0
load	N_1200156691	constant_power_C_reac	415.904	0.0	207.952	0.0
load	N_1200156692	constant_power_A	162.226	100.538	81.113	50.269
load	N_1200156692	constant_power_B	162.226	100.538	81.113	50.269
load	N_1200156692	constant_power_C	162.226	100.538	81.113	50.269
load	N_1200156692	constant_power_A_real	162.226	0.0	81.113	0.0
load	N_1200156692	constant_power_B_real	162.226	0.0	81.113	0.0
load	N_1200156692	constant_power_C_real	162.226	0.0	81.113	0.0
load	N_1200156692	constant_power_A_reac	100.538	0.0	50.269	0.0
load	N_1200156692	constant_power_B_reac	100.538	0.0	50.269	0.0
load	N_1200156692	constant_power_C_reac	100.538	0.0	50.269	0.0
load	N_1200156694	constant_power_A	4596.4	2848.59	2298.2	1424.295
load	N_1200156694	constant_power_B	4596.4	2848.59	2298.2	1424.295
load	N_1200156694	constant_power_C	4596.4	2848.59	2298.2	1424.295
load	N_1200156694	constant_power_A_real	4596.4	0.0	2298.2	0.0
load	N_1200156694	constant_power_B_real	4596.4	0.0	2298.2	0.0
load	N_1200156694	constant_power_C_real	4596.4	0.0	2298.2	0.0
load	N_1200156694	constant_power_A_reac	2848.59	0.0	1424.295	0.0
load	N_1200156694	constant_power_B_reac	2848.59	0.0	1424.295	0.0
load	N_1200156694	constant_power_C_reac	2848.59	0.0	1424.295	0.0
load	N_1200156696	constant_power_A	3871.79	2187.04	1935.895	1093.52
load	N_1200156696	constant_power_B	3871.79	2187.04	1935.895	1093.52
load	N_1200156696	constant_power_C	3871.79	2187.04	1935.895	1093.52
load	N_1200156696	constant_power_A_real	3871.79	0.0	1935.895	0.0
load	N_1200156696	constant_power_B_real	3871.79	0.0	1935.895	0.0
load	N_1200156696	constant_power_C_real	3871.79	0.0	1935.895	0.0
load	N_1200156696	constant_power_A_reac	2187.04	0.0	1093.52	0.0
load	N_1200156696	constant_power_B_reac	2187.04	0.0	1093.52	0.0
load	N_1200156696	constant_power_C_reac	2187.04	0.0	1093.52	0.0
load	N_1200156750	constant_power_A	2633.47	865.578	1316.735	432.789

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156750	constant_power_B	2633.47	865.578	1316.735	432.789
load	N_1200156750	constant_power_C	2633.47	865.578	1316.735	432.789
load	N_1200156750	constant_power_A_real	2633.47	0.0	1316.735	0.0
load	N_1200156750	constant_power_B_real	2633.47	0.0	1316.735	0.0
load	N_1200156750	constant_power_C_real	2633.47	0.0	1316.735	0.0
load	N_1200156750	constant_power_A_reac	865.578	0.0	432.789	0.0
load	N_1200156750	constant_power_B_reac	865.578	0.0	432.789	0.0
load	N_1200156750	constant_power_C_reac	865.578	0.0	432.789	0.0
load	N_1200156751	constant_power_A	1935.89	636.298	967.945	318.149
load	N_1200156751	constant_power_B	1935.89	636.298	967.945	318.149
load	N_1200156751	constant_power_C	1935.89	636.298	967.945	318.149
load	N_1200156751	constant_power_A_real	1935.89	0.0	967.945	0.0
load	N_1200156751	constant_power_B_real	1935.89	0.0	967.945	0.0
load	N_1200156751	constant_power_C_real	1935.89	0.0	967.945	0.0
load	N_1200156751	constant_power_A_reac	636.298	0.0	318.149	0.0
load	N_1200156751	constant_power_B_reac	636.298	0.0	318.149	0.0
load	N_1200156751	constant_power_C_reac	636.298	0.0	318.149	0.0
load	N_1200156753	constant_power_A	3395.93	1119.33	1697.965	559.665
load	N_1200156753	constant_power_B	3395.93	1119.33	1697.965	559.665
load	N_1200156753	constant_power_C	3395.93	1119.33	1697.965	559.665
load	N_1200156753	constant_power_A_real	3395.93	0.0	1697.965	0.0
load	N_1200156753	constant_power_B_real	3395.93	0.0	1697.965	0.0
load	N_1200156753	constant_power_C_real	3395.93	0.0	1697.965	0.0
load	N_1200156753	constant_power_A_reac	1119.33	0.0	559.665	0.0
load	N_1200156753	constant_power_B_reac	1119.33	0.0	559.665	0.0
load	N_1200156753	constant_power_C_reac	1119.33	0.0	559.665	0.0
load	N_1200156755	constant_power_A	5407.53	3351.28	2703.765	1675.64
load	N_1200156755	constant_power_B	5407.53	3351.28	2703.765	1675.64
load	N_1200156755	constant_power_C	5407.53	3351.28	2703.765	1675.64
load	N_1200156755	constant_power_A_real	5407.53	0.0	2703.765	0.0
load	N_1200156755	constant_power_B_real	5407.53	0.0	2703.765	0.0
load	N_1200156755	constant_power_C_real	5407.53	0.0	2703.765	0.0
load	N_1200156755	constant_power_A_reac	3351.28	0.0	1675.64	0.0
load	N_1200156755	constant_power_B_reac	3351.28	0.0	1675.64	0.0
load	N_1200156755	constant_power_C_reac	3351.28	0.0	1675.64	0.0
load	N_1200156756	constant_power_A	4347.65	1444.74	2173.825	722.37
load	N_1200156756	constant_power_B	4347.65	1444.74	2173.825	722.37
load	N_1200156756	constant_power_C	4347.65	1444.74	2173.825	722.37
load	N_1200156756	constant_power_A_real	4347.65	0.0	2173.825	0.0
load	N_1200156756	constant_power_B_real	4347.65	0.0	2173.825	0.0
load	N_1200156756	constant_power_C_real	4347.65	0.0	2173.825	0.0
load	N_1200156756	constant_power_A_reac	1444.74	0.0	722.37	0.0
load	N_1200156756	constant_power_B_reac	1444.74	0.0	722.37	0.0
load	N_1200156756	constant_power_C_reac	1444.74	0.0	722.37	0.0
load	N_1200091159	constant_power_A	481.27	298.264	240.635	149.132
load	N_1200091159	constant_power_B	481.27	298.264	240.635	149.132
load	N_1200091159	constant_power_C	481.27	298.264	240.635	149.132
load	N_1200091159	constant_power_A_real	481.27	0.0	240.635	0.0
load	N_1200091159	constant_power_B_real	481.27	0.0	240.635	0.0
load	N_1200091159	constant_power_C_real	481.27	0.0	240.635	0.0
load	N_1200091159	constant_power_A_reac	298.264	0.0	149.132	0.0
load	N_1200091159	constant_power_B_reac	298.264	0.0	149.132	0.0
load	N_1200091159	constant_power_C_reac	298.264	0.0	149.132	0.0
load	N_1200156660	constant_power_A	5688.72	1869.79	2844.36	934.895
load	N_1200156660	constant_power_B	5688.72	1869.79	2844.36	934.895
load	N_1200156660	constant_power_C	5688.72	1869.79	2844.36	934.895
load	N_1200156660	constant_power_A_real	5688.72	0.0	2844.36	0.0
load	N_1200156660	constant_power_B_real	5688.72	0.0	2844.36	0.0
load	N_1200156660	constant_power_C_real	5688.72	0.0	2844.36	0.0
load	N_1200156660	constant_power_A_reac	1869.79	0.0	934.895	0.0
load	N_1200156660	constant_power_B_reac	1869.79	0.0	934.895	0.0
load	N_1200156660	constant_power_C_reac	1869.79	0.0	934.895	0.0
load	N_1200018656	constant_power_A	3147.18	1183.95	1573.59	591.975

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200018656	constant_power_B	3147.18	1183.95	1573.59	591.975
load	N_1200018656	constant_power_C	3147.18	1183.95	1573.59	591.975
load	N_1200018656	constant_power_A_real	3147.18	0.0	1573.59	0.0
load	N_1200018656	constant_power_B_real	3147.18	0.0	1573.59	0.0
load	N_1200018656	constant_power_C_real	3147.18	0.0	1573.59	0.0
load	N_1200018656	constant_power_A_reac	1183.95	0.0	591.975	0.0
load	N_1200018656	constant_power_B_reac	1183.95	0.0	591.975	0.0
load	N_1200018656	constant_power_C_reac	1183.95	0.0	591.975	0.0
load	N_1200018651	constant_power_A	1962.93	660.924	981.465	330.462
load	N_1200018651	constant_power_B	1962.93	660.924	981.465	330.462
load	N_1200018651	constant_power_C	1962.93	660.924	981.465	330.462
load	N_1200018651	constant_power_A_real	1962.93	0.0	981.465	0.0
load	N_1200018651	constant_power_B_real	1962.93	0.0	981.465	0.0
load	N_1200018651	constant_power_C_real	1962.93	0.0	981.465	0.0
load	N_1200018651	constant_power_A_reac	660.924	0.0	330.462	0.0
load	N_1200018651	constant_power_B_reac	660.924	0.0	330.462	0.0
load	N_1200018651	constant_power_C_reac	660.924	0.0	330.462	0.0
load	N_1200018653	constant_power_A	4839.74	1590.74	2419.87	795.37
load	N_1200018653	constant_power_B	4839.74	1590.74	2419.87	795.37
load	N_1200018653	constant_power_C	4839.74	1590.74	2419.87	795.37
load	N_1200018653	constant_power_A_real	4839.74	0.0	2419.87	0.0
load	N_1200018653	constant_power_B_real	4839.74	0.0	2419.87	0.0
load	N_1200018653	constant_power_C_real	4839.74	0.0	2419.87	0.0
load	N_1200018653	constant_power_A_reac	1590.74	0.0	795.37	0.0
load	N_1200018653	constant_power_B_reac	1590.74	0.0	795.37	0.0
load	N_1200018653	constant_power_C_reac	1590.74	0.0	795.37	0.0
load	N_1200018659	constant_power_A	9647.03	3907.42	4823.515	1953.71
load	N_1200018659	constant_power_B	9647.03	3907.42	4823.515	1953.71
load	N_1200018659	constant_power_C	9647.03	3907.42	4823.515	1953.71
load	N_1200018659	constant_power_A_real	9647.03	0.0	4823.515	0.0
load	N_1200018659	constant_power_B_real	9647.03	0.0	4823.515	0.0
load	N_1200018659	constant_power_C_real	9647.03	0.0	4823.515	0.0
load	N_1200018659	constant_power_A_reac	3907.42	0.0	1953.71	0.0
load	N_1200018659	constant_power_B_reac	3907.42	0.0	1953.71	0.0
load	N_1200018659	constant_power_C_reac	3907.42	0.0	1953.71	0.0
load	N_1200093678	constant_power_A	49316.6	16209.6	24658.3	8104.8
load	N_1200093678	constant_power_B	49316.6	16209.6	24658.3	8104.8
load	N_1200093678	constant_power_A_real	49316.6	0.0	24658.3	0.0
load	N_1200093678	constant_power_B_real	49316.6	0.0	24658.3	0.0
load	N_1200093678	constant_power_A_reac	16209.6	0.0	8104.8	0.0
load	N_1200093678	constant_power_B_reac	16209.6	0.0	8104.8	0.0
load	N_1200156806	constant_power_A	1762.85	579.422	881.425	289.711
load	N_1200156806	constant_power_B	1762.85	579.422	881.425	289.711
load	N_1200156806	constant_power_C	1762.85	579.422	881.425	289.711
load	N_1200156806	constant_power_A_real	1762.85	0.0	881.425	0.0
load	N_1200156806	constant_power_B_real	1762.85	0.0	881.425	0.0
load	N_1200156806	constant_power_C_real	1762.85	0.0	881.425	0.0
load	N_1200156806	constant_power_A_reac	579.422	0.0	289.711	0.0
load	N_1200156806	constant_power_B_reac	579.422	0.0	289.711	0.0
load	N_1200156806	constant_power_C_reac	579.422	0.0	289.711	0.0
load	N_1200473821	constant_power_A	5202.04	3223.93	2601.02	1611.965
load	N_1200473821	constant_power_B	5202.04	3223.93	2601.02	1611.965
load	N_1200473821	constant_power_C	5202.04	3223.93	2601.02	1611.965
load	N_1200473821	constant_power_A_real	5202.04	0.0	2601.02	0.0
load	N_1200473821	constant_power_B_real	5202.04	0.0	2601.02	0.0
load	N_1200473821	constant_power_C_real	5202.04	0.0	2601.02	0.0
load	N_1200473821	constant_power_A_reac	3223.93	0.0	1611.965	0.0
load	N_1200473821	constant_power_B_reac	3223.93	0.0	1611.965	0.0
load	N_1200473821	constant_power_C_reac	3223.93	0.0	1611.965	0.0
load	N_1200156820	constant_power_A	7002.75	4339.91	3501.375	2169.955
load	N_1200156820	constant_power_B	7002.75	4339.91	3501.375	2169.955
load	N_1200156820	constant_power_C	7002.75	4339.91	3501.375	2169.955
load	N_1200156820	constant_power_A_real	7002.75	0.0	3501.375	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156820	constant_power_B_real	7002.75	0.0	3501.375	0.0
load	N_1200156820	constant_power_C_real	7002.75	0.0	3501.375	0.0
load	N_1200156820	constant_power_A_reac	4339.91	0.0	2169.955	0.0
load	N_1200156820	constant_power_B_reac	4339.91	0.0	2169.955	0.0
load	N_1200156820	constant_power_C_reac	4339.91	0.0	2169.955	0.0
load	N_1200156946	constant_power_A	4077.27	2526.87	2038.635	1263.435
load	N_1200156946	constant_power_B	4077.27	2526.87	2038.635	1263.435
load	N_1200156946	constant_power_C	4077.27	2526.87	2038.635	1263.435
load	N_1200156946	constant_power_A_real	4077.27	0.0	2038.635	0.0
load	N_1200156946	constant_power_B_real	4077.27	0.0	2038.635	0.0
load	N_1200156946	constant_power_C_real	4077.27	0.0	2038.635	0.0
load	N_1200156946	constant_power_A_reac	2526.87	0.0	1263.435	0.0
load	N_1200156946	constant_power_B_reac	2526.87	0.0	1263.435	0.0
load	N_1200156946	constant_power_C_reac	2526.87	0.0	1263.435	0.0
load	N_1200156943	constant_power_A	5.40767	1.77741	2.703835	0.888705
load	N_1200156943	constant_power_B	5.40767	1.77741	2.703835	0.888705
load	N_1200156943	constant_power_C	5.40767	1.77741	2.703835	0.888705
load	N_1200156943	constant_power_A_real	5.40767	0.0	2.703835	0.0
load	N_1200156943	constant_power_B_real	5.40767	0.0	2.703835	0.0
load	N_1200156943	constant_power_C_real	5.40767	0.0	2.703835	0.0
load	N_1200156943	constant_power_A_reac	1.77741	0.0	0.888705	0.0
load	N_1200156943	constant_power_B_reac	1.77741	0.0	0.888705	0.0
load	N_1200156943	constant_power_C_reac	1.77741	0.0	0.888705	0.0
load	N_1200156942	constant_power_A	1038.24	643.446	519.12	321.723
load	N_1200156942	constant_power_B	1038.24	643.446	519.12	321.723
load	N_1200156942	constant_power_C	1038.24	643.446	519.12	321.723
load	N_1200156942	constant_power_A_real	1038.24	0.0	519.12	0.0
load	N_1200156942	constant_power_B_real	1038.24	0.0	519.12	0.0
load	N_1200156942	constant_power_C_real	1038.24	0.0	519.12	0.0
load	N_1200156942	constant_power_A_reac	643.446	0.0	321.723	0.0
load	N_1200156942	constant_power_B_reac	643.446	0.0	321.723	0.0
load	N_1200156942	constant_power_C_reac	643.446	0.0	321.723	0.0
load	N_1200156551	constant_power_A	2027.82	666.513	1013.91	333.2565
load	N_1200156551	constant_power_B	2027.82	666.513	1013.91	333.2565
load	N_1200156551	constant_power_C	2027.82	666.513	1013.91	333.2565
load	N_1200156551	constant_power_A_real	2027.82	0.0	1013.91	0.0
load	N_1200156551	constant_power_B_real	2027.82	0.0	1013.91	0.0
load	N_1200156551	constant_power_C_real	2027.82	0.0	1013.91	0.0
load	N_1200156551	constant_power_A_reac	666.513	0.0	333.2565	0.0
load	N_1200156551	constant_power_B_reac	666.513	0.0	333.2565	0.0
load	N_1200156551	constant_power_C_reac	666.513	0.0	333.2565	0.0
load	N_1200156948	constant_power_A	859.797	290.471	429.8985	145.2355
load	N_1200156948	constant_power_B	859.797	290.471	429.8985	145.2355
load	N_1200156948	constant_power_C	859.797	290.471	429.8985	145.2355
load	N_1200156948	constant_power_A_real	859.797	0.0	429.8985	0.0
load	N_1200156948	constant_power_B_real	859.797	0.0	429.8985	0.0
load	N_1200156948	constant_power_C_real	859.797	0.0	429.8985	0.0
load	N_1200156948	constant_power_A_reac	290.471	0.0	145.2355	0.0
load	N_1200156948	constant_power_B_reac	290.471	0.0	145.2355	0.0
load	N_1200156948	constant_power_C_reac	290.471	0.0	145.2355	0.0
load	N_1200091375	constant_power_A	1092.32	359.028	546.16	179.514
load	N_1200091375	constant_power_B	1092.32	359.028	546.16	179.514
load	N_1200091375	constant_power_C	1092.32	359.028	546.16	179.514
load	N_1200091375	constant_power_A_real	1092.32	0.0	546.16	0.0
load	N_1200091375	constant_power_B_real	1092.32	0.0	546.16	0.0
load	N_1200091375	constant_power_C_real	1092.32	0.0	546.16	0.0
load	N_1200091375	constant_power_A_reac	359.028	0.0	179.514	0.0
load	N_1200091375	constant_power_B_reac	359.028	0.0	179.514	0.0
load	N_1200091375	constant_power_C_reac	359.028	0.0	179.514	0.0
load	N_1200157067	constant_power_A	1935.89	648.889	967.945	324.4445
load	N_1200157067	constant_power_B	1935.89	648.889	967.945	324.4445
load	N_1200157067	constant_power_C	1935.89	648.889	967.945	324.4445
load	N_1200157067	constant_power_A_real	1935.89	0.0	967.945	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157067	constant_power_B_real	1935.89	0.0	967.945	0.0
load	N_1200157067	constant_power_C_real	1935.89	0.0	967.945	0.0
load	N_1200157067	constant_power_A_reac	648.889	0.0	324.4445	0.0
load	N_1200157067	constant_power_B_reac	648.889	0.0	324.4445	0.0
load	N_1200157067	constant_power_C_reac	648.889	0.0	324.4445	0.0
load	N_1200157066	constant_power_A	4017.79	2490.0	2008.895	1245.0
load	N_1200157066	constant_power_B	4017.79	2490.0	2008.895	1245.0
load	N_1200157066	constant_power_C	4017.79	2490.0	2008.895	1245.0
load	N_1200157066	constant_power_A_real	4017.79	0.0	2008.895	0.0
load	N_1200157066	constant_power_B_real	4017.79	0.0	2008.895	0.0
load	N_1200157066	constant_power_C_real	4017.79	0.0	2008.895	0.0
load	N_1200157066	constant_power_A_reac	2490.0	0.0	1245.0	0.0
load	N_1200157066	constant_power_B_reac	2490.0	0.0	1245.0	0.0
load	N_1200157066	constant_power_C_reac	2490.0	0.0	1245.0	0.0
load	N_1200098963	constant_power_A	54224.0	17822.6	27112.0	8911.3
load	N_1200098963	constant_power_C	54224.0	17822.6	27112.0	8911.3
load	N_1200098963	constant_power_A_real	54224.0	0.0	27112.0	0.0
load	N_1200098963	constant_power_C_real	54224.0	0.0	27112.0	0.0
load	N_1200098963	constant_power_A_reac	17822.6	0.0	8911.3	0.0
load	N_1200098963	constant_power_C_reac	17822.6	0.0	8911.3	0.0
load	N_1200157063	constant_power_A	3011.99	1866.66	1505.995	933.33
load	N_1200157063	constant_power_B	3011.99	1866.66	1505.995	933.33
load	N_1200157063	constant_power_C	3011.99	1866.66	1505.995	933.33
load	N_1200157063	constant_power_A_real	3011.99	0.0	1505.995	0.0
load	N_1200157063	constant_power_B_real	3011.99	0.0	1505.995	0.0
load	N_1200157063	constant_power_C_real	3011.99	0.0	1505.995	0.0
load	N_1200157063	constant_power_A_reac	1866.66	0.0	933.33	0.0
load	N_1200157063	constant_power_B_reac	1866.66	0.0	933.33	0.0
load	N_1200157063	constant_power_C_reac	1866.66	0.0	933.33	0.0
load	N_1200098961	constant_power_A	38293.4	12586.4	19146.7	6293.2
load	N_1200098961	constant_power_C	38293.4	12586.4	19146.7	6293.2
load	N_1200098961	constant_power_A_real	38293.4	0.0	19146.7	0.0
load	N_1200098961	constant_power_C_real	38293.4	0.0	19146.7	0.0
load	N_1200098961	constant_power_A_reac	12586.4	0.0	6293.2	0.0
load	N_1200098961	constant_power_C_reac	12586.4	0.0	6293.2	0.0
load	N_1200098805	constant_power_A	21438.1	7046.37	10719.05	3523.185
load	N_1200098805	constant_power_B	21438.1	7046.37	10719.05	3523.185
load	N_1200098805	constant_power_A_real	21438.1	0.0	10719.05	0.0
load	N_1200098805	constant_power_B_real	21438.1	0.0	10719.05	0.0
load	N_1200098805	constant_power_A_reac	7046.37	0.0	3523.185	0.0
load	N_1200098805	constant_power_B_reac	7046.37	0.0	3523.185	0.0
load	N_1200098804	constant_power_A	29403.4	9664.44	14701.7	4832.22
load	N_1200098804	constant_power_B	29403.4	9664.44	14701.7	4832.22
load	N_1200098804	constant_power_A_real	29403.4	0.0	14701.7	0.0
load	N_1200098804	constant_power_B_real	29403.4	0.0	14701.7	0.0
load	N_1200098804	constant_power_A_reac	9664.44	0.0	4832.22	0.0
load	N_1200098804	constant_power_B_reac	9664.44	0.0	4832.22	0.0
load	N_1200156898	constant_power_A	1746.63	574.09	873.315	287.045
load	N_1200156898	constant_power_B	1746.63	574.09	873.315	287.045
load	N_1200156898	constant_power_C	1746.63	574.09	873.315	287.045
load	N_1200156898	constant_power_A_real	1746.63	0.0	873.315	0.0
load	N_1200156898	constant_power_B_real	1746.63	0.0	873.315	0.0
load	N_1200156898	constant_power_C_real	1746.63	0.0	873.315	0.0
load	N_1200156898	constant_power_A_reac	574.09	0.0	287.045	0.0
load	N_1200156898	constant_power_B_reac	574.09	0.0	287.045	0.0
load	N_1200156898	constant_power_C_reac	574.09	0.0	287.045	0.0
load	N_1200091819	constant_power_A	3455.41	1135.74	1727.705	567.87
load	N_1200091819	constant_power_B	3455.41	1135.74	1727.705	567.87
load	N_1200091819	constant_power_A_real	3455.41	0.0	1727.705	0.0
load	N_1200091819	constant_power_B_real	3455.41	0.0	1727.705	0.0
load	N_1200091819	constant_power_A_reac	1135.74	0.0	567.87	0.0
load	N_1200091819	constant_power_B_reac	1135.74	0.0	567.87	0.0
load	N_1200091818	constant_power_A	8451.96	5238.06	4225.98	2619.03

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200091818	constant_power_B	8451.96	5238.06	4225.98	2619.03
load	N_1200091818	constant_power_C	8451.96	5238.06	4225.98	2619.03
load	N_1200091818	constant_power_A_real	8451.96	0.0	4225.98	0.0
load	N_1200091818	constant_power_B_real	8451.96	0.0	4225.98	0.0
load	N_1200091818	constant_power_C_real	8451.96	0.0	4225.98	0.0
load	N_1200091818	constant_power_A_reac	5238.06	0.0	2619.03	0.0
load	N_1200091818	constant_power_B_reac	5238.06	0.0	2619.03	0.0
load	N_1200091818	constant_power_C_reac	5238.06	0.0	2619.03	0.0
load	N_1200172367	constant_power_A	86.5203	53.6205	43.26015	26.81025
load	N_1200172367	constant_power_B	86.5203	53.6205	43.26015	26.81025
load	N_1200172367	constant_power_C	86.5203	53.6205	43.26015	26.81025
load	N_1200172367	constant_power_A_real	86.5203	0.0	43.26015	0.0
load	N_1200172367	constant_power_B_real	86.5203	0.0	43.26015	0.0
load	N_1200172367	constant_power_C_real	86.5203	0.0	43.26015	0.0
load	N_1200172367	constant_power_A_reac	53.6205	0.0	26.81025	0.0
load	N_1200172367	constant_power_B_reac	53.6205	0.0	26.81025	0.0
load	N_1200172367	constant_power_C_reac	53.6205	0.0	26.81025	0.0
load	N_1200100108	constant_power_A	22176.3	7288.99	11088.15	3644.495
load	N_1200100108	constant_power_B	22176.3	7288.99	11088.15	3644.495
load	N_1200100108	constant_power_C	22176.3	7288.99	11088.15	3644.495
load	N_1200100108	constant_power_A_real	22176.3	0.0	11088.15	0.0
load	N_1200100108	constant_power_B_real	22176.3	0.0	11088.15	0.0
load	N_1200100108	constant_power_C_real	22176.3	0.0	11088.15	0.0
load	N_1200100108	constant_power_A_reac	7288.99	0.0	3644.495	0.0
load	N_1200100108	constant_power_B_reac	7288.99	0.0	3644.495	0.0
load	N_1200100108	constant_power_C_reac	7288.99	0.0	3644.495	0.0
load	N_1200100105	constant_power_A	27383.7	9000.59	13691.85	4500.295
load	N_1200100105	constant_power_B	27383.7	9000.59	13691.85	4500.295
load	N_1200100105	constant_power_C	27383.7	9000.59	13691.85	4500.295
load	N_1200100105	constant_power_A_real	27383.7	0.0	13691.85	0.0
load	N_1200100105	constant_power_B_real	27383.7	0.0	13691.85	0.0
load	N_1200100105	constant_power_C_real	27383.7	0.0	13691.85	0.0
load	N_1200100105	constant_power_A_reac	9000.59	0.0	4500.295	0.0
load	N_1200100105	constant_power_B_reac	9000.59	0.0	4500.295	0.0
load	N_1200100105	constant_power_C_reac	9000.59	0.0	4500.295	0.0
load	N_1200157201	constant_power_A	2644.28	891.168	1322.14	445.584
load	N_1200157201	constant_power_B	2644.28	891.168	1322.14	445.584
load	N_1200157201	constant_power_C	2644.28	891.168	1322.14	445.584
load	N_1200157201	constant_power_A_real	2644.28	0.0	1322.14	0.0
load	N_1200157201	constant_power_B_real	2644.28	0.0	1322.14	0.0
load	N_1200157201	constant_power_C_real	2644.28	0.0	1322.14	0.0
load	N_1200157201	constant_power_A_reac	891.168	0.0	445.584	0.0
load	N_1200157201	constant_power_B_reac	891.168	0.0	445.584	0.0
load	N_1200157201	constant_power_C_reac	891.168	0.0	445.584	0.0
load	N_1200157203	constant_power_A	2292.79	1101.44	1146.395	550.72
load	N_1200157203	constant_power_B	2292.79	1101.44	1146.395	550.72
load	N_1200157203	constant_power_C	2292.79	1101.44	1146.395	550.72
load	N_1200157203	constant_power_A_real	2292.79	0.0	1146.395	0.0
load	N_1200157203	constant_power_B_real	2292.79	0.0	1146.395	0.0
load	N_1200157203	constant_power_C_real	2292.79	0.0	1146.395	0.0
load	N_1200157203	constant_power_A_reac	1101.44	0.0	550.72	0.0
load	N_1200157203	constant_power_B_reac	1101.44	0.0	550.72	0.0
load	N_1200157203	constant_power_C_reac	1101.44	0.0	550.72	0.0
load	N_1200157204	constant_power_A	70.298	43.5668	35.149	21.7834
load	N_1200157204	constant_power_B	70.298	43.5668	35.149	21.7834
load	N_1200157204	constant_power_C	70.298	43.5668	35.149	21.7834
load	N_1200157204	constant_power_A_real	70.298	0.0	35.149	0.0
load	N_1200157204	constant_power_B_real	70.298	0.0	35.149	0.0
load	N_1200157204	constant_power_C_real	70.298	0.0	35.149	0.0
load	N_1200157204	constant_power_A_reac	43.5668	0.0	21.7834	0.0
load	N_1200157204	constant_power_B_reac	43.5668	0.0	21.7834	0.0
load	N_1200157204	constant_power_C_reac	43.5668	0.0	21.7834	0.0
load	N_1200157207	constant_power_A	1941.3	638.075	970.65	319.0375

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157207	constant_power_B	1941.3	638.075	970.65	319.0375
load	N_1200157207	constant_power_C	1941.3	638.075	970.65	319.0375
load	N_1200157207	constant_power_A_real	1941.3	0.0	970.65	0.0
load	N_1200157207	constant_power_B_real	1941.3	0.0	970.65	0.0
load	N_1200157207	constant_power_C_real	1941.3	0.0	970.65	0.0
load	N_1200157207	constant_power_A_reac	638.075	0.0	319.0375	0.0
load	N_1200157207	constant_power_B_reac	638.075	0.0	319.0375	0.0
load	N_1200157207	constant_power_C_reac	638.075	0.0	319.0375	0.0
load	N_1200057412	constant_power_A	7748.98	4802.39	3874.49	2401.195
load	N_1200057412	constant_power_B	7748.98	4802.39	3874.49	2401.195
load	N_1200057412	constant_power_C	7748.98	4802.39	3874.49	2401.195
load	N_1200057412	constant_power_A_real	7748.98	0.0	3874.49	0.0
load	N_1200057412	constant_power_B_real	7748.98	0.0	3874.49	0.0
load	N_1200057412	constant_power_C_real	7748.98	0.0	3874.49	0.0
load	N_1200057412	constant_power_A_reac	4802.39	0.0	2401.195	0.0
load	N_1200057412	constant_power_B_reac	4802.39	0.0	2401.195	0.0
load	N_1200057412	constant_power_C_reac	4802.39	0.0	2401.195	0.0
load	N_1200157209	constant_power_A	1373.51	851.226	686.755	425.613
load	N_1200157209	constant_power_B	1373.51	851.226	686.755	425.613
load	N_1200157209	constant_power_C	1373.51	851.226	686.755	425.613
load	N_1200157209	constant_power_A_real	1373.51	0.0	686.755	0.0
load	N_1200157209	constant_power_B_real	1373.51	0.0	686.755	0.0
load	N_1200157209	constant_power_C_real	1373.51	0.0	686.755	0.0
load	N_1200157209	constant_power_A_reac	851.226	0.0	425.613	0.0
load	N_1200157209	constant_power_B_reac	851.226	0.0	425.613	0.0
load	N_1200157209	constant_power_C_reac	851.226	0.0	425.613	0.0
load	N_1200157208	constant_power_A	4828.92	1953.91	2414.46	976.955
load	N_1200157208	constant_power_B	4828.92	1953.91	2414.46	976.955
load	N_1200157208	constant_power_C	4828.92	1953.91	2414.46	976.955
load	N_1200157208	constant_power_A_real	4828.92	0.0	2414.46	0.0
load	N_1200157208	constant_power_B_real	4828.92	0.0	2414.46	0.0
load	N_1200157208	constant_power_C_real	4828.92	0.0	2414.46	0.0
load	N_1200157208	constant_power_A_reac	1953.91	0.0	976.955	0.0
load	N_1200157208	constant_power_B_reac	1953.91	0.0	976.955	0.0
load	N_1200157208	constant_power_C_reac	1953.91	0.0	976.955	0.0
load	N_1200157437	constant_power_A	102.743	63.6744	51.3715	31.8372
load	N_1200157437	constant_power_B	102.743	63.6744	51.3715	31.8372
load	N_1200157437	constant_power_C	102.743	63.6744	51.3715	31.8372
load	N_1200157437	constant_power_A_real	102.743	0.0	51.3715	0.0
load	N_1200157437	constant_power_B_real	102.743	0.0	51.3715	0.0
load	N_1200157437	constant_power_C_real	102.743	0.0	51.3715	0.0
load	N_1200157437	constant_power_A_reac	63.6744	0.0	31.8372	0.0
load	N_1200157437	constant_power_B_reac	63.6744	0.0	31.8372	0.0
load	N_1200157437	constant_power_C_reac	63.6744	0.0	31.8372	0.0
load	N_1200156797	constant_power_A	9290.13	4611.69	4645.065	2305.845
load	N_1200156797	constant_power_B	9290.13	4611.69	4645.065	2305.845
load	N_1200156797	constant_power_C	9290.13	4611.69	4645.065	2305.845
load	N_1200156797	constant_power_A_real	9290.13	0.0	4645.065	0.0
load	N_1200156797	constant_power_B_real	9290.13	0.0	4645.065	0.0
load	N_1200156797	constant_power_C_real	9290.13	0.0	4645.065	0.0
load	N_1200156797	constant_power_A_reac	4611.69	0.0	2305.845	0.0
load	N_1200156797	constant_power_B_reac	4611.69	0.0	2305.845	0.0
load	N_1200156797	constant_power_C_reac	4611.69	0.0	2305.845	0.0
load	N_1200157434	constant_power_A	2893.03	950.892	1446.515	475.446
load	N_1200157434	constant_power_B	2893.03	950.892	1446.515	475.446
load	N_1200157434	constant_power_C	2893.03	950.892	1446.515	475.446
load	N_1200157434	constant_power_A_real	2893.03	0.0	1446.515	0.0
load	N_1200157434	constant_power_B_real	2893.03	0.0	1446.515	0.0
load	N_1200157434	constant_power_C_real	2893.03	0.0	1446.515	0.0
load	N_1200157434	constant_power_A_reac	950.892	0.0	475.446	0.0
load	N_1200157434	constant_power_B_reac	950.892	0.0	475.446	0.0
load	N_1200157434	constant_power_C_reac	950.892	0.0	475.446	0.0
load	N_1200017219	constant_power_A	1416.77	465.67	708.385	232.835

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200017219	constant_power_B	1416.77	465.67	708.385	232.835
load	N_1200017219	constant_power_C	1416.77	465.67	708.385	232.835
load	N_1200017219	constant_power_A_real	1416.77	0.0	708.385	0.0
load	N_1200017219	constant_power_B_real	1416.77	0.0	708.385	0.0
load	N_1200017219	constant_power_C_real	1416.77	0.0	708.385	0.0
load	N_1200017219	constant_power_A_reac	465.67	0.0	232.835	0.0
load	N_1200017219	constant_power_B_reac	465.67	0.0	232.835	0.0
load	N_1200017219	constant_power_C_reac	465.67	0.0	232.835	0.0
load	N_1200093573	constant_power_A	3725.78	1293.86	1862.89	646.93
load	N_1200093573	constant_power_B	3725.78	1293.86	1862.89	646.93
load	N_1200093573	constant_power_C	3725.78	1293.86	1862.89	646.93
load	N_1200093573	constant_power_A_real	3725.78	0.0	1862.89	0.0
load	N_1200093573	constant_power_B_real	3725.78	0.0	1862.89	0.0
load	N_1200093573	constant_power_C_real	3725.78	0.0	1862.89	0.0
load	N_1200093573	constant_power_A_reac	1293.86	0.0	646.93	0.0
load	N_1200093573	constant_power_B_reac	1293.86	0.0	646.93	0.0
load	N_1200093573	constant_power_C_reac	1293.86	0.0	646.93	0.0
load	N_1200156658	constant_power_A	6288.95	2067.08	3144.475	1033.54
load	N_1200156658	constant_power_B	6288.95	2067.08	3144.475	1033.54
load	N_1200156658	constant_power_C	6288.95	2067.08	3144.475	1033.54
load	N_1200156658	constant_power_A_real	6288.95	0.0	3144.475	0.0
load	N_1200156658	constant_power_B_real	6288.95	0.0	3144.475	0.0
load	N_1200156658	constant_power_C_real	6288.95	0.0	3144.475	0.0
load	N_1200156658	constant_power_A_reac	2067.08	0.0	1033.54	0.0
load	N_1200156658	constant_power_B_reac	2067.08	0.0	1033.54	0.0
load	N_1200156658	constant_power_C_reac	2067.08	0.0	1033.54	0.0
load	N_1200017238	constant_power_A	3147.18	1034.43	1573.59	517.215
load	N_1200017238	constant_power_B	3147.18	1034.43	1573.59	517.215
load	N_1200017238	constant_power_C	3147.18	1034.43	1573.59	517.215
load	N_1200017238	constant_power_A_real	3147.18	0.0	1573.59	0.0
load	N_1200017238	constant_power_B_real	3147.18	0.0	1573.59	0.0
load	N_1200017238	constant_power_C_real	3147.18	0.0	1573.59	0.0
load	N_1200017238	constant_power_A_reac	1034.43	0.0	517.215	0.0
load	N_1200017238	constant_power_B_reac	1034.43	0.0	517.215	0.0
load	N_1200017238	constant_power_C_reac	1034.43	0.0	517.215	0.0
load	N_1200156675	constant_power_A	1265.36	448.956	632.68	224.478
load	N_1200156675	constant_power_B	1265.36	448.956	632.68	224.478
load	N_1200156675	constant_power_C	1265.36	448.956	632.68	224.478
load	N_1200156675	constant_power_A_real	1265.36	0.0	632.68	0.0
load	N_1200156675	constant_power_B_real	1265.36	0.0	632.68	0.0
load	N_1200156675	constant_power_C_real	1265.36	0.0	632.68	0.0
load	N_1200156675	constant_power_A_reac	448.956	0.0	224.478	0.0
load	N_1200156675	constant_power_B_reac	448.956	0.0	224.478	0.0
load	N_1200156675	constant_power_C_reac	448.956	0.0	224.478	0.0
load	N_1200156672	constant_power_A	9755.18	3730.49	4877.59	1865.245
load	N_1200156672	constant_power_B	9755.18	3730.49	4877.59	1865.245
load	N_1200156672	constant_power_C	9755.18	3730.49	4877.59	1865.245
load	N_1200156672	constant_power_A_real	9755.18	0.0	4877.59	0.0
load	N_1200156672	constant_power_B_real	9755.18	0.0	4877.59	0.0
load	N_1200156672	constant_power_C_real	9755.18	0.0	4877.59	0.0
load	N_1200156672	constant_power_A_reac	3730.49	0.0	1865.245	0.0
load	N_1200156672	constant_power_B_reac	3730.49	0.0	1865.245	0.0
load	N_1200156672	constant_power_C_reac	3730.49	0.0	1865.245	0.0
load	N_1200156671	constant_power_A	1487.07	488.776	743.535	244.388
load	N_1200156671	constant_power_B	1487.07	488.776	743.535	244.388
load	N_1200156671	constant_power_C	1487.07	488.776	743.535	244.388
load	N_1200156671	constant_power_A_real	1487.07	0.0	743.535	0.0
load	N_1200156671	constant_power_B_real	1487.07	0.0	743.535	0.0
load	N_1200156671	constant_power_C_real	1487.07	0.0	743.535	0.0
load	N_1200156671	constant_power_A_reac	488.776	0.0	244.388	0.0
load	N_1200156671	constant_power_B_reac	488.776	0.0	244.388	0.0
load	N_1200156671	constant_power_C_reac	488.776	0.0	244.388	0.0
load	N_1200156670	constant_power_A	4780.25	2962.53	2390.125	1481.265

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156670	constant_power_B	4780.25	2962.53	2390.125	1481.265
load	N_1200156670	constant_power_C	4780.25	2962.53	2390.125	1481.265
load	N_1200156670	constant_power_A_real	4780.25	0.0	2390.125	0.0
load	N_1200156670	constant_power_B_real	4780.25	0.0	2390.125	0.0
load	N_1200156670	constant_power_C_real	4780.25	0.0	2390.125	0.0
load	N_1200156670	constant_power_A_reac	2962.53	0.0	1481.265	0.0
load	N_1200156670	constant_power_B_reac	2962.53	0.0	1481.265	0.0
load	N_1200156670	constant_power_C_reac	2962.53	0.0	1481.265	0.0
load	N_1200157476	constant_power_A	1270.77	420.829	635.385	210.4145
load	N_1200157476	constant_power_B	1270.77	420.829	635.385	210.4145
load	N_1200157476	constant_power_C	1270.77	420.829	635.385	210.4145
load	N_1200157476	constant_power_A_real	1270.77	0.0	635.385	0.0
load	N_1200157476	constant_power_B_real	1270.77	0.0	635.385	0.0
load	N_1200157476	constant_power_C_real	1270.77	0.0	635.385	0.0
load	N_1200157476	constant_power_A_reac	420.829	0.0	210.4145	0.0
load	N_1200157476	constant_power_B_reac	420.829	0.0	210.4145	0.0
load	N_1200157476	constant_power_C_reac	420.829	0.0	210.4145	0.0
load	N_1200157477	constant_power_A	1173.43	407.724	586.715	203.862
load	N_1200157477	constant_power_B	1173.43	407.724	586.715	203.862
load	N_1200157477	constant_power_C	1173.43	407.724	586.715	203.862
load	N_1200157477	constant_power_A_real	1173.43	0.0	586.715	0.0
load	N_1200157477	constant_power_B_real	1173.43	0.0	586.715	0.0
load	N_1200157477	constant_power_C_real	1173.43	0.0	586.715	0.0
load	N_1200157477	constant_power_A_reac	407.724	0.0	203.862	0.0
load	N_1200157477	constant_power_B_reac	407.724	0.0	203.862	0.0
load	N_1200157477	constant_power_C_reac	407.724	0.0	203.862	0.0
load	N_1200157474	constant_power_A	275.784	170.915	137.892	85.4575
load	N_1200157474	constant_power_B	275.784	170.915	137.892	85.4575
load	N_1200157474	constant_power_C	275.784	170.915	137.892	85.4575
load	N_1200157474	constant_power_A_real	275.784	0.0	137.892	0.0
load	N_1200157474	constant_power_B_real	275.784	0.0	137.892	0.0
load	N_1200157474	constant_power_C_real	275.784	0.0	137.892	0.0
load	N_1200157474	constant_power_A_reac	170.915	0.0	85.4575	0.0
load	N_1200157474	constant_power_B_reac	170.915	0.0	85.4575	0.0
load	N_1200157474	constant_power_C_reac	170.915	0.0	85.4575	0.0
load	N_1200157475	constant_power_A	3325.63	2061.04	1662.815	1030.52
load	N_1200157475	constant_power_B	3325.63	2061.04	1662.815	1030.52
load	N_1200157475	constant_power_C	3325.63	2061.04	1662.815	1030.52
load	N_1200157475	constant_power_A_real	3325.63	0.0	1662.815	0.0
load	N_1200157475	constant_power_B_real	3325.63	0.0	1662.815	0.0
load	N_1200157475	constant_power_C_real	3325.63	0.0	1662.815	0.0
load	N_1200157475	constant_power_A_reac	2061.04	0.0	1030.52	0.0
load	N_1200157475	constant_power_B_reac	2061.04	0.0	1030.52	0.0
load	N_1200157475	constant_power_C_reac	2061.04	0.0	1030.52	0.0
load	N_1200157472	constant_power_A	4109.72	2546.98	2054.86	1273.49
load	N_1200157472	constant_power_B	4109.72	2546.98	2054.86	1273.49
load	N_1200157472	constant_power_C	4109.72	2546.98	2054.86	1273.49
load	N_1200157472	constant_power_A_real	4109.72	0.0	2054.86	0.0
load	N_1200157472	constant_power_B_real	4109.72	0.0	2054.86	0.0
load	N_1200157472	constant_power_C_real	4109.72	0.0	2054.86	0.0
load	N_1200157472	constant_power_A_reac	2546.98	0.0	1273.49	0.0
load	N_1200157472	constant_power_B_reac	2546.98	0.0	1273.49	0.0
load	N_1200157472	constant_power_C_reac	2546.98	0.0	1273.49	0.0
load	N_1200157378	constant_power_A	2714.58	1189.71	1357.29	594.855
load	N_1200157378	constant_power_B	2714.58	1189.71	1357.29	594.855
load	N_1200157378	constant_power_C	2714.58	1189.71	1357.29	594.855
load	N_1200157378	constant_power_A_real	2714.58	0.0	1357.29	0.0
load	N_1200157378	constant_power_B_real	2714.58	0.0	1357.29	0.0
load	N_1200157378	constant_power_C_real	2714.58	0.0	1357.29	0.0
load	N_1200157378	constant_power_A_reac	1189.71	0.0	594.855	0.0
load	N_1200157378	constant_power_B_reac	1189.71	0.0	594.855	0.0
load	N_1200157378	constant_power_C_reac	1189.71	0.0	594.855	0.0
load	N_1200157471	constant_power_A	5.40767	3.35137	2.703835	1.675685

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157471	constant_power_B	5.40767	3.35137	2.703835	1.675685
load	N_1200157471	constant_power_C	5.40767	3.35137	2.703835	1.675685
load	N_1200157471	constant_power_A_real	5.40767	0.0	2.703835	0.0
load	N_1200157471	constant_power_B_real	5.40767	0.0	2.703835	0.0
load	N_1200157471	constant_power_C_real	5.40767	0.0	2.703835	0.0
load	N_1200157471	constant_power_A_reac	3.35137	0.0	1.675685	0.0
load	N_1200157471	constant_power_B_reac	3.35137	0.0	1.675685	0.0
load	N_1200157471	constant_power_C_reac	3.35137	0.0	1.675685	0.0
load	N_1200099684	constant_power_A	7332.6	4544.34	3666.3	2272.17
load	N_1200099684	constant_power_B	7332.6	4544.34	3666.3	2272.17
load	N_1200099684	constant_power_C	7332.6	4544.34	3666.3	2272.17
load	N_1200099684	constant_power_A_real	7332.6	0.0	3666.3	0.0
load	N_1200099684	constant_power_B_real	7332.6	0.0	3666.3	0.0
load	N_1200099684	constant_power_C_real	7332.6	0.0	3666.3	0.0
load	N_1200099684	constant_power_A_reac	4544.34	0.0	2272.17	0.0
load	N_1200099684	constant_power_B_reac	4544.34	0.0	2272.17	0.0
load	N_1200099684	constant_power_C_reac	4544.34	0.0	2272.17	0.0
load	N_1200099685	constant_power_A	1157.21	717.175	578.605	358.5875
load	N_1200099685	constant_power_B	1157.21	717.175	578.605	358.5875
load	N_1200099685	constant_power_C	1157.21	717.175	578.605	358.5875
load	N_1200099685	constant_power_A_real	1157.21	0.0	578.605	0.0
load	N_1200099685	constant_power_B_real	1157.21	0.0	578.605	0.0
load	N_1200099685	constant_power_C_real	1157.21	0.0	578.605	0.0
load	N_1200099685	constant_power_A_reac	717.175	0.0	358.5875	0.0
load	N_1200099685	constant_power_B_reac	717.175	0.0	358.5875	0.0
load	N_1200099685	constant_power_C_reac	717.175	0.0	358.5875	0.0
load	N_1200157376	constant_power_A	9646.97	5887.37	4823.485	2943.685
load	N_1200157376	constant_power_B	9646.97	5887.37	4823.485	2943.685
load	N_1200157376	constant_power_C	9646.97	5887.37	4823.485	2943.685
load	N_1200157376	constant_power_A_real	9646.97	0.0	4823.485	0.0
load	N_1200157376	constant_power_B_real	9646.97	0.0	4823.485	0.0
load	N_1200157376	constant_power_C_real	9646.97	0.0	4823.485	0.0
load	N_1200157376	constant_power_A_reac	5887.37	0.0	2943.685	0.0
load	N_1200157376	constant_power_B_reac	5887.37	0.0	2943.685	0.0
load	N_1200157376	constant_power_C_reac	5887.37	0.0	2943.685	0.0
load	N_1200157371	constant_power_A	1297.81	804.308	648.905	402.154
load	N_1200157371	constant_power_B	1297.81	804.308	648.905	402.154
load	N_1200157371	constant_power_C	1297.81	804.308	648.905	402.154
load	N_1200157371	constant_power_A_real	1297.81	0.0	648.905	0.0
load	N_1200157371	constant_power_B_real	1297.81	0.0	648.905	0.0
load	N_1200157371	constant_power_C_real	1297.81	0.0	648.905	0.0
load	N_1200157371	constant_power_A_reac	804.308	0.0	402.154	0.0
load	N_1200157371	constant_power_B_reac	804.308	0.0	402.154	0.0
load	N_1200157371	constant_power_C_reac	804.308	0.0	402.154	0.0
load	N_1200157370	constant_power_A	2774.06	1719.21	1387.03	859.605
load	N_1200157370	constant_power_B	2774.06	1719.21	1387.03	859.605
load	N_1200157370	constant_power_C	2774.06	1719.21	1387.03	859.605
load	N_1200157370	constant_power_A_real	2774.06	0.0	1387.03	0.0
load	N_1200157370	constant_power_B_real	2774.06	0.0	1387.03	0.0
load	N_1200157370	constant_power_C_real	2774.06	0.0	1387.03	0.0
load	N_1200157370	constant_power_A_reac	1719.21	0.0	859.605	0.0
load	N_1200157370	constant_power_B_reac	1719.21	0.0	859.605	0.0
load	N_1200157370	constant_power_C_reac	1719.21	0.0	859.605	0.0
load	N_1200157478	constant_power_A	1857.48	610.526	928.74	305.263
load	N_1200157478	constant_power_B	1857.48	610.526	928.74	305.263
load	N_1200157478	constant_power_A_real	1857.48	0.0	928.74	0.0
load	N_1200157478	constant_power_B_real	1857.48	0.0	928.74	0.0
load	N_1200157478	constant_power_A_reac	610.526	0.0	305.263	0.0
load	N_1200157478	constant_power_B_reac	610.526	0.0	305.263	0.0
load	N_1200157479	constant_power_A	994.985	327.036	497.4925	163.518
load	N_1200157479	constant_power_B	994.985	327.036	497.4925	163.518
load	N_1200157479	constant_power_C	994.985	327.036	497.4925	163.518
load	N_1200157479	constant_power_A_real	994.985	0.0	497.4925	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157479	constant_power_B_real	994.985	0.0	497.4925	0.0
load	N_1200157479	constant_power_C_real	994.985	0.0	497.4925	0.0
load	N_1200157479	constant_power_A_reac	327.036	0.0	163.518	0.0
load	N_1200157479	constant_power_B_reac	327.036	0.0	163.518	0.0
load	N_1200157479	constant_power_C_reac	327.036	0.0	163.518	0.0
load	N_1200157275	constant_power_A	8738.56	5415.67	4369.28	2707.835
load	N_1200157275	constant_power_B	8738.56	5415.67	4369.28	2707.835
load	N_1200157275	constant_power_C	8738.56	5415.67	4369.28	2707.835
load	N_1200157275	constant_power_A_real	8738.56	0.0	4369.28	0.0
load	N_1200157275	constant_power_B_real	8738.56	0.0	4369.28	0.0
load	N_1200157275	constant_power_C_real	8738.56	0.0	4369.28	0.0
load	N_1200157275	constant_power_A_reac	5415.67	0.0	2707.835	0.0
load	N_1200157275	constant_power_B_reac	5415.67	0.0	2707.835	0.0
load	N_1200157275	constant_power_C_reac	5415.67	0.0	2707.835	0.0
load	N_1200157277	constant_power_A	9349.61	4503.76	4674.805	2251.88
load	N_1200157277	constant_power_B	9349.61	4503.76	4674.805	2251.88
load	N_1200157277	constant_power_C	9349.61	4503.76	4674.805	2251.88
load	N_1200157277	constant_power_A_real	9349.61	0.0	4674.805	0.0
load	N_1200157277	constant_power_B_real	9349.61	0.0	4674.805	0.0
load	N_1200157277	constant_power_C_real	9349.61	0.0	4674.805	0.0
load	N_1200157277	constant_power_A_reac	4503.76	0.0	2251.88	0.0
load	N_1200157277	constant_power_B_reac	4503.76	0.0	2251.88	0.0
load	N_1200157277	constant_power_C_reac	4503.76	0.0	2251.88	0.0
load	N_1200157270	constant_power_A	3385.11	2097.9	1692.555	1048.95
load	N_1200157270	constant_power_B	3385.11	2097.9	1692.555	1048.95
load	N_1200157270	constant_power_C	3385.11	2097.9	1692.555	1048.95
load	N_1200157270	constant_power_A_real	3385.11	0.0	1692.555	0.0
load	N_1200157270	constant_power_B_real	3385.11	0.0	1692.555	0.0
load	N_1200157270	constant_power_C_real	3385.11	0.0	1692.555	0.0
load	N_1200157270	constant_power_A_reac	2097.9	0.0	1048.95	0.0
load	N_1200157270	constant_power_B_reac	2097.9	0.0	1048.95	0.0
load	N_1200157270	constant_power_C_reac	2097.9	0.0	1048.95	0.0
load	N_1200019285	constant_power_A	38017.6	12495.8	19008.8	6247.9
load	N_1200019285	constant_power_B	38017.6	12495.8	19008.8	6247.9
load	N_1200019285	constant_power_A_real	38017.6	0.0	19008.8	0.0
load	N_1200019285	constant_power_B_real	38017.6	0.0	19008.8	0.0
load	N_1200019285	constant_power_A_reac	12495.8	0.0	6247.9	0.0
load	N_1200019285	constant_power_B_reac	12495.8	0.0	6247.9	0.0
load	N_1200157272	constant_power_A	3579.78	1176.62	1789.89	588.31
load	N_1200157272	constant_power_B	3579.78	1176.62	1789.89	588.31
load	N_1200157272	constant_power_C	3579.78	1176.62	1789.89	588.31
load	N_1200157272	constant_power_A_real	3579.78	0.0	1789.89	0.0
load	N_1200157272	constant_power_B_real	3579.78	0.0	1789.89	0.0
load	N_1200157272	constant_power_C_real	3579.78	0.0	1789.89	0.0
load	N_1200157272	constant_power_A_reac	1176.62	0.0	588.31	0.0
load	N_1200157272	constant_power_B_reac	1176.62	0.0	588.31	0.0
load	N_1200157272	constant_power_C_reac	1176.62	0.0	588.31	0.0
load	N_1200157278	constant_power_A	540.753	177.737	270.3765	88.8685
load	N_1200157278	constant_power_B	540.753	177.737	270.3765	88.8685
load	N_1200157278	constant_power_C	540.753	177.737	270.3765	88.8685
load	N_1200157278	constant_power_A_real	540.753	0.0	270.3765	0.0
load	N_1200157278	constant_power_B_real	540.753	0.0	270.3765	0.0
load	N_1200157278	constant_power_C_real	540.753	0.0	270.3765	0.0
load	N_1200157278	constant_power_A_reac	177.737	0.0	88.8685	0.0
load	N_1200157278	constant_power_B_reac	177.737	0.0	88.8685	0.0
load	N_1200157278	constant_power_C_reac	177.737	0.0	88.8685	0.0
load	N_1200157279	constant_power_A	1232.92	405.24	616.46	202.62
load	N_1200157279	constant_power_B	1232.92	405.24	616.46	202.62
load	N_1200157279	constant_power_C	1232.92	405.24	616.46	202.62
load	N_1200157279	constant_power_A_real	1232.92	0.0	616.46	0.0
load	N_1200157279	constant_power_B_real	1232.92	0.0	616.46	0.0
load	N_1200157279	constant_power_C_real	1232.92	0.0	616.46	0.0
load	N_1200157279	constant_power_A_reac	405.24	0.0	202.62	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157279	constant_power_B_reac	405.24	0.0	202.62	0.0
load	N_1200157279	constant_power_C_reac	405.24	0.0	202.62	0.0
load	N_1200157444	constant_power_A	448.825	278.157	224.4125	139.0785
load	N_1200157444	constant_power_B	448.825	278.157	224.4125	139.0785
load	N_1200157444	constant_power_C	448.825	278.157	224.4125	139.0785
load	N_1200157444	constant_power_A_real	448.825	0.0	224.4125	0.0
load	N_1200157444	constant_power_B_real	448.825	0.0	224.4125	0.0
load	N_1200157444	constant_power_C_real	448.825	0.0	224.4125	0.0
load	N_1200157444	constant_power_A_reac	278.157	0.0	139.0785	0.0
load	N_1200157444	constant_power_B_reac	278.157	0.0	139.0785	0.0
load	N_1200157444	constant_power_C_reac	278.157	0.0	139.0785	0.0
load	N_1200157289	constant_power_C	19515.8	6414.52	9757.9	3207.26
load	N_1200157289	constant_power_C_real	19515.8	0.0	9757.9	0.0
load	N_1200157289	constant_power_C_reac	6414.52	0.0	3207.26	0.0
load	N_1200157288	constant_power_C	15606.1	5129.48	7803.05	2564.74
load	N_1200157288	constant_power_C_real	15606.1	0.0	7803.05	0.0
load	N_1200157288	constant_power_C_reac	5129.48	0.0	2564.74	0.0
load	N_1200111290	constant_power_A	5245.3	3250.74	2622.65	1625.37
load	N_1200111290	constant_power_B	5245.3	3250.74	2622.65	1625.37
load	N_1200111290	constant_power_C	5245.3	3250.74	2622.65	1625.37
load	N_1200111290	constant_power_A_real	5245.3	0.0	2622.65	0.0
load	N_1200111290	constant_power_B_real	5245.3	0.0	2622.65	0.0
load	N_1200111290	constant_power_C_real	5245.3	0.0	2622.65	0.0
load	N_1200111290	constant_power_A_reac	3250.74	0.0	1625.37	0.0
load	N_1200111290	constant_power_B_reac	3250.74	0.0	1625.37	0.0
load	N_1200111290	constant_power_C_reac	3250.74	0.0	1625.37	0.0
load	N_1200111291	constant_power_A	3479.74	1143.74	1739.87	571.87
load	N_1200111291	constant_power_B	3479.74	1143.74	1739.87	571.87
load	N_1200111291	constant_power_A_real	3479.74	0.0	1739.87	0.0
load	N_1200111291	constant_power_B_real	3479.74	0.0	1739.87	0.0
load	N_1200111291	constant_power_A_reac	1143.74	0.0	571.87	0.0
load	N_1200111291	constant_power_B_reac	1143.74	0.0	571.87	0.0
load	N_1200111293	constant_power_A	1871.0	619.691	935.5	309.8455
load	N_1200111293	constant_power_B	1871.0	619.691	935.5	309.8455
load	N_1200111293	constant_power_C	1871.0	619.691	935.5	309.8455
load	N_1200111293	constant_power_A_real	1871.0	0.0	935.5	0.0
load	N_1200111293	constant_power_B_real	1871.0	0.0	935.5	0.0
load	N_1200111293	constant_power_C_real	1871.0	0.0	935.5	0.0
load	N_1200111293	constant_power_A_reac	619.691	0.0	309.8455	0.0
load	N_1200111293	constant_power_B_reac	619.691	0.0	309.8455	0.0
load	N_1200111293	constant_power_C_reac	619.691	0.0	309.8455	0.0
load	N_1200111294	constant_power_A	519.122	170.627	259.561	85.3135
load	N_1200111294	constant_power_B	519.122	170.627	259.561	85.3135
load	N_1200111294	constant_power_C	519.122	170.627	259.561	85.3135
load	N_1200111294	constant_power_A_real	519.122	0.0	259.561	0.0
load	N_1200111294	constant_power_B_real	519.122	0.0	259.561	0.0
load	N_1200111294	constant_power_C_real	519.122	0.0	259.561	0.0
load	N_1200111294	constant_power_A_reac	170.627	0.0	85.3135	0.0
load	N_1200111294	constant_power_B_reac	170.627	0.0	85.3135	0.0
load	N_1200111294	constant_power_C_reac	170.627	0.0	85.3135	0.0
load	N_1200091157	constant_power_A	1768.26	581.199	884.13	290.5995
load	N_1200091157	constant_power_B	1768.26	581.199	884.13	290.5995
load	N_1200091157	constant_power_C	1768.26	581.199	884.13	290.5995
load	N_1200091157	constant_power_A_real	1768.26	0.0	884.13	0.0
load	N_1200091157	constant_power_B_real	1768.26	0.0	884.13	0.0
load	N_1200091157	constant_power_C_real	1768.26	0.0	884.13	0.0
load	N_1200091157	constant_power_A_reac	581.199	0.0	290.5995	0.0
load	N_1200091157	constant_power_B_reac	581.199	0.0	290.5995	0.0
load	N_1200091157	constant_power_C_reac	581.199	0.0	290.5995	0.0
load	N_1200157380	constant_power_A	3463.52	1138.4	1731.76	569.2
load	N_1200157380	constant_power_B	3463.52	1138.4	1731.76	569.2
load	N_1200157380	constant_power_A_real	3463.52	0.0	1731.76	0.0
load	N_1200157380	constant_power_B_real	3463.52	0.0	1731.76	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157380	constant_power_A_reac	1138.4	0.0	569.2	0.0
load	N_1200157380	constant_power_B_reac	1138.4	0.0	569.2	0.0
load	N_1200157383	constant_power_A	2390.13	1265.64	1195.065	632.82
load	N_1200157383	constant_power_B	2390.13	1265.64	1195.065	632.82
load	N_1200157383	constant_power_C	2390.13	1265.64	1195.065	632.82
load	N_1200157383	constant_power_A_real	2390.13	0.0	1195.065	0.0
load	N_1200157383	constant_power_B_real	2390.13	0.0	1195.065	0.0
load	N_1200157383	constant_power_C_real	2390.13	0.0	1195.065	0.0
load	N_1200157383	constant_power_A_reac	1265.64	0.0	632.82	0.0
load	N_1200157383	constant_power_B_reac	1265.64	0.0	632.82	0.0
load	N_1200157383	constant_power_C_reac	1265.64	0.0	632.82	0.0
load	N_1200101189	constant_power_A	2590.2	851.359	1295.1	425.6795
load	N_1200101189	constant_power_B	2590.2	851.359	1295.1	425.6795
load	N_1200101189	constant_power_C	2590.2	851.359	1295.1	425.6795
load	N_1200101189	constant_power_A_real	2590.2	0.0	1295.1	0.0
load	N_1200101189	constant_power_B_real	2590.2	0.0	1295.1	0.0
load	N_1200101189	constant_power_C_real	2590.2	0.0	1295.1	0.0
load	N_1200101189	constant_power_A_reac	851.359	0.0	425.6795	0.0
load	N_1200101189	constant_power_B_reac	851.359	0.0	425.6795	0.0
load	N_1200101189	constant_power_C_reac	851.359	0.0	425.6795	0.0
load	N_1200157387	constant_power_A	4542.32	1492.99	2271.16	746.495
load	N_1200157387	constant_power_B	4542.32	1492.99	2271.16	746.495
load	N_1200157387	constant_power_A_real	4542.32	0.0	2271.16	0.0
load	N_1200157387	constant_power_B_real	4542.32	0.0	2271.16	0.0
load	N_1200157387	constant_power_A_reac	1492.99	0.0	746.495	0.0
load	N_1200157387	constant_power_B_reac	1492.99	0.0	746.495	0.0
load	N_1200157283	constant_power_A	6872.97	2259.03	3436.485	1129.515
load	N_1200157283	constant_power_B	6872.97	2259.03	3436.485	1129.515
load	N_1200157283	constant_power_C	6872.97	2259.03	3436.485	1129.515
load	N_1200157283	constant_power_A_real	6872.97	0.0	3436.485	0.0
load	N_1200157283	constant_power_B_real	6872.97	0.0	3436.485	0.0
load	N_1200157283	constant_power_C_real	6872.97	0.0	3436.485	0.0
load	N_1200157283	constant_power_A_reac	2259.03	0.0	1129.515	0.0
load	N_1200157283	constant_power_B_reac	2259.03	0.0	1129.515	0.0
load	N_1200157283	constant_power_C_reac	2259.03	0.0	1129.515	0.0
load	N_1200156909	constant_power_A	3206.66	1382.93	1603.33	691.465
load	N_1200156909	constant_power_B	3206.66	1382.93	1603.33	691.465
load	N_1200156909	constant_power_C	3206.66	1382.93	1603.33	691.465
load	N_1200156909	constant_power_A_real	3206.66	0.0	1603.33	0.0
load	N_1200156909	constant_power_B_real	3206.66	0.0	1603.33	0.0
load	N_1200156909	constant_power_C_real	3206.66	0.0	1603.33	0.0
load	N_1200156909	constant_power_A_reac	1382.93	0.0	691.465	0.0
load	N_1200156909	constant_power_B_reac	1382.93	0.0	691.465	0.0
load	N_1200156909	constant_power_C_reac	1382.93	0.0	691.465	0.0
load	N_1200156908	constant_power_A	5207.45	1711.61	2603.725	855.805
load	N_1200156908	constant_power_B	5207.45	1711.61	2603.725	855.805
load	N_1200156908	constant_power_A_real	5207.45	0.0	2603.725	0.0
load	N_1200156908	constant_power_B_real	5207.45	0.0	2603.725	0.0
load	N_1200156908	constant_power_A_reac	1711.61	0.0	855.805	0.0
load	N_1200156908	constant_power_B_reac	1711.61	0.0	855.805	0.0
load	N_1200157282	constant_power_A	540.753	335.128	270.3765	167.564
load	N_1200157282	constant_power_B	540.753	335.128	270.3765	167.564
load	N_1200157282	constant_power_C	540.753	335.128	270.3765	167.564
load	N_1200157282	constant_power_A_real	540.753	0.0	270.3765	0.0
load	N_1200157282	constant_power_B_real	540.753	0.0	270.3765	0.0
load	N_1200157282	constant_power_C_real	540.753	0.0	270.3765	0.0
load	N_1200157282	constant_power_A_reac	335.128	0.0	167.564	0.0
load	N_1200157282	constant_power_B_reac	335.128	0.0	167.564	0.0
load	N_1200157282	constant_power_C_reac	335.128	0.0	167.564	0.0
load	N_1200156900	constant_power_A	2168.42	712.724	1084.21	356.362
load	N_1200156900	constant_power_B	2168.42	712.724	1084.21	356.362
load	N_1200156900	constant_power_C	2168.42	712.724	1084.21	356.362
load	N_1200156900	constant_power_A_real	2168.42	0.0	1084.21	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156900	constant_power_B_real	2168.42	0.0	1084.21	0.0
load	N_1200156900	constant_power_C_real	2168.42	0.0	1084.21	0.0
load	N_1200156900	constant_power_A_reac	712.724	0.0	356.362	0.0
load	N_1200156900	constant_power_B_reac	712.724	0.0	356.362	0.0
load	N_1200156900	constant_power_C_reac	712.724	0.0	356.362	0.0
load	N_1200156902	constant_power_A	529.938	328.426	264.969	164.213
load	N_1200156902	constant_power_B	529.938	328.426	264.969	164.213
load	N_1200156902	constant_power_C	529.938	328.426	264.969	164.213
load	N_1200156902	constant_power_A_real	529.938	0.0	264.969	0.0
load	N_1200156902	constant_power_B_real	529.938	0.0	264.969	0.0
load	N_1200156902	constant_power_C_real	529.938	0.0	264.969	0.0
load	N_1200156902	constant_power_A_reac	328.426	0.0	164.213	0.0
load	N_1200156902	constant_power_B_reac	328.426	0.0	164.213	0.0
load	N_1200156902	constant_power_C_reac	328.426	0.0	164.213	0.0
load	N_1200156905	constant_power_A	1633.07	1012.09	816.535	506.045
load	N_1200156905	constant_power_B	1633.07	1012.09	816.535	506.045
load	N_1200156905	constant_power_C	1633.07	1012.09	816.535	506.045
load	N_1200156905	constant_power_A_real	1633.07	0.0	816.535	0.0
load	N_1200156905	constant_power_B_real	1633.07	0.0	816.535	0.0
load	N_1200156905	constant_power_C_real	1633.07	0.0	816.535	0.0
load	N_1200156905	constant_power_A_reac	1012.09	0.0	506.045	0.0
load	N_1200156905	constant_power_B_reac	1012.09	0.0	506.045	0.0
load	N_1200156905	constant_power_C_reac	1012.09	0.0	506.045	0.0
load	N_1200156904	constant_power_A	5280.45	1735.6	2640.225	867.8
load	N_1200156904	constant_power_B	5280.45	1735.6	2640.225	867.8
load	N_1200156904	constant_power_A_real	5280.45	0.0	2640.225	0.0
load	N_1200156904	constant_power_B_real	5280.45	0.0	2640.225	0.0
load	N_1200156904	constant_power_A_reac	1735.6	0.0	867.8	0.0
load	N_1200156904	constant_power_B_reac	1735.6	0.0	867.8	0.0
load	N_1200156906	constant_power_A	8295.14	5140.87	4147.57	2570.435
load	N_1200156906	constant_power_B	8295.14	5140.87	4147.57	2570.435
load	N_1200156906	constant_power_C	8295.14	5140.87	4147.57	2570.435
load	N_1200156906	constant_power_A_real	8295.14	0.0	4147.57	0.0
load	N_1200156906	constant_power_B_real	8295.14	0.0	4147.57	0.0
load	N_1200156906	constant_power_C_real	8295.14	0.0	4147.57	0.0
load	N_1200156906	constant_power_A_reac	5140.87	0.0	2570.435	0.0
load	N_1200156906	constant_power_B_reac	5140.87	0.0	2570.435	0.0
load	N_1200156906	constant_power_C_reac	5140.87	0.0	2570.435	0.0
load	N_1200157181	constant_power_A	4331.43	2149.25	2165.715	1074.625
load	N_1200157181	constant_power_B	4331.43	2149.25	2165.715	1074.625
load	N_1200157181	constant_power_C	4331.43	2149.25	2165.715	1074.625
load	N_1200157181	constant_power_A_real	4331.43	0.0	2165.715	0.0
load	N_1200157181	constant_power_B_real	4331.43	0.0	2165.715	0.0
load	N_1200157181	constant_power_C_real	4331.43	0.0	2165.715	0.0
load	N_1200157181	constant_power_A_reac	2149.25	0.0	1074.625	0.0
load	N_1200157181	constant_power_B_reac	2149.25	0.0	1074.625	0.0
load	N_1200157181	constant_power_C_reac	2149.25	0.0	1074.625	0.0
load	N_1200157023	constant_power_A	7586.76	4701.85	3793.38	2350.925
load	N_1200157023	constant_power_B	7586.76	4701.85	3793.38	2350.925
load	N_1200157023	constant_power_C	7586.76	4701.85	3793.38	2350.925
load	N_1200157023	constant_power_A_real	7586.76	0.0	3793.38	0.0
load	N_1200157023	constant_power_B_real	7586.76	0.0	3793.38	0.0
load	N_1200157023	constant_power_C_real	7586.76	0.0	3793.38	0.0
load	N_1200157023	constant_power_A_reac	4701.85	0.0	2350.925	0.0
load	N_1200157023	constant_power_B_reac	4701.85	0.0	2350.925	0.0
load	N_1200157023	constant_power_C_reac	4701.85	0.0	2350.925	0.0
load	N_1200157025	constant_power_A	1119.36	693.716	559.68	346.858
load	N_1200157025	constant_power_B	1119.36	693.716	559.68	346.858
load	N_1200157025	constant_power_C	1119.36	693.716	559.68	346.858
load	N_1200157025	constant_power_A_real	1119.36	0.0	559.68	0.0
load	N_1200157025	constant_power_B_real	1119.36	0.0	559.68	0.0
load	N_1200157025	constant_power_C_real	1119.36	0.0	559.68	0.0
load	N_1200157025	constant_power_A_reac	693.716	0.0	346.858	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157025	constant_power_B_reac	693.716	0.0	346.858	0.0
load	N_1200157025	constant_power_C_reac	693.716	0.0	346.858	0.0
load	N_1200157024	constant_power_A	4023.2	1322.36	2011.6	661.18
load	N_1200157024	constant_power_B	4023.2	1322.36	2011.6	661.18
load	N_1200157024	constant_power_C	4023.2	1322.36	2011.6	661.18
load	N_1200157024	constant_power_A_real	4023.2	0.0	2011.6	0.0
load	N_1200157024	constant_power_B_real	4023.2	0.0	2011.6	0.0
load	N_1200157024	constant_power_C_real	4023.2	0.0	2011.6	0.0
load	N_1200157024	constant_power_A_reac	1322.36	0.0	661.18	0.0
load	N_1200157024	constant_power_B_reac	1322.36	0.0	661.18	0.0
load	N_1200157024	constant_power_C_reac	1322.36	0.0	661.18	0.0
load	N_1200157027	constant_power_A	4066.46	2520.17	2033.23	1260.085
load	N_1200157027	constant_power_B	4066.46	2520.17	2033.23	1260.085
load	N_1200157027	constant_power_C	4066.46	2520.17	2033.23	1260.085
load	N_1200157027	constant_power_A_real	4066.46	0.0	2033.23	0.0
load	N_1200157027	constant_power_B_real	4066.46	0.0	2033.23	0.0
load	N_1200157027	constant_power_C_real	4066.46	0.0	2033.23	0.0
load	N_1200157027	constant_power_A_reac	2520.17	0.0	1260.085	0.0
load	N_1200157027	constant_power_B_reac	2520.17	0.0	1260.085	0.0
load	N_1200157027	constant_power_C_reac	2520.17	0.0	1260.085	0.0
load	N_1200156704	constant_power_A	1189.66	391.021	594.83	195.5105
load	N_1200156704	constant_power_B	1189.66	391.021	594.83	195.5105
load	N_1200156704	constant_power_C	1189.66	391.021	594.83	195.5105
load	N_1200156704	constant_power_A_real	1189.66	0.0	594.83	0.0
load	N_1200156704	constant_power_B_real	1189.66	0.0	594.83	0.0
load	N_1200156704	constant_power_C_real	1189.66	0.0	594.83	0.0
load	N_1200156704	constant_power_A_reac	391.021	0.0	195.5105	0.0
load	N_1200156704	constant_power_B_reac	391.021	0.0	195.5105	0.0
load	N_1200156704	constant_power_C_reac	391.021	0.0	195.5105	0.0
load	N_1200156703	constant_power_A	594.828	368.641	297.414	184.3205
load	N_1200156703	constant_power_B	594.828	368.641	297.414	184.3205
load	N_1200156703	constant_power_C	594.828	368.641	297.414	184.3205
load	N_1200156703	constant_power_A_real	594.828	0.0	297.414	0.0
load	N_1200156703	constant_power_B_real	594.828	0.0	297.414	0.0
load	N_1200156703	constant_power_C_real	594.828	0.0	297.414	0.0
load	N_1200156703	constant_power_A_reac	368.641	0.0	184.3205	0.0
load	N_1200156703	constant_power_B_reac	368.641	0.0	184.3205	0.0
load	N_1200156703	constant_power_C_reac	368.641	0.0	184.3205	0.0
load	N_1200156702	constant_power_A	4001.57	1315.25	2000.785	657.625
load	N_1200156702	constant_power_B	4001.57	1315.25	2000.785	657.625
load	N_1200156702	constant_power_C	4001.57	1315.25	2000.785	657.625
load	N_1200156702	constant_power_A_real	4001.57	0.0	2000.785	0.0
load	N_1200156702	constant_power_B_real	4001.57	0.0	2000.785	0.0
load	N_1200156702	constant_power_C_real	4001.57	0.0	2000.785	0.0
load	N_1200156702	constant_power_A_reac	1315.25	0.0	657.625	0.0
load	N_1200156702	constant_power_B_reac	1315.25	0.0	657.625	0.0
load	N_1200156702	constant_power_C_reac	1315.25	0.0	657.625	0.0
load	N_1200156701	constant_power_A	4553.14	2821.78	2276.57	1410.89
load	N_1200156701	constant_power_B	4553.14	2821.78	2276.57	1410.89
load	N_1200156701	constant_power_C	4553.14	2821.78	2276.57	1410.89
load	N_1200156701	constant_power_A_real	4553.14	0.0	2276.57	0.0
load	N_1200156701	constant_power_B_real	4553.14	0.0	2276.57	0.0
load	N_1200156701	constant_power_C_real	4553.14	0.0	2276.57	0.0
load	N_1200156701	constant_power_A_reac	2821.78	0.0	1410.89	0.0
load	N_1200156701	constant_power_B_reac	2821.78	0.0	1410.89	0.0
load	N_1200156701	constant_power_C_reac	2821.78	0.0	1410.89	0.0
load	N_1200156700	constant_power_A	2011.6	1190.02	1005.8	595.01
load	N_1200156700	constant_power_B	2011.6	1190.02	1005.8	595.01
load	N_1200156700	constant_power_C	2011.6	1190.02	1005.8	595.01
load	N_1200156700	constant_power_A_real	2011.6	0.0	1005.8	0.0
load	N_1200156700	constant_power_B_real	2011.6	0.0	1005.8	0.0
load	N_1200156700	constant_power_C_real	2011.6	0.0	1005.8	0.0
load	N_1200156700	constant_power_A_reac	1190.02	0.0	595.01	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156700	constant_power_B_reac	1190.02	0.0	595.01	0.0
load	N_1200156700	constant_power_C_reac	1190.02	0.0	595.01	0.0
load	N_1200157317	constant_power_A	3823.12	1256.6	1911.56	628.3
load	N_1200157317	constant_power_B	3823.12	1256.6	1911.56	628.3
load	N_1200157317	constant_power_C	3823.12	1256.6	1911.56	628.3
load	N_1200157317	constant_power_A_real	3823.12	0.0	1911.56	0.0
load	N_1200157317	constant_power_B_real	3823.12	0.0	1911.56	0.0
load	N_1200157317	constant_power_C_real	3823.12	0.0	1911.56	0.0
load	N_1200157317	constant_power_A_reac	1256.6	0.0	628.3	0.0
load	N_1200157317	constant_power_B_reac	1256.6	0.0	628.3	0.0
load	N_1200157317	constant_power_C_reac	1256.6	0.0	628.3	0.0
load	N_1200156965	constant_power_A	2925.47	1813.04	1462.735	906.52
load	N_1200156965	constant_power_B	2925.47	1813.04	1462.735	906.52
load	N_1200156965	constant_power_C	2925.47	1813.04	1462.735	906.52
load	N_1200156965	constant_power_A_real	2925.47	0.0	1462.735	0.0
load	N_1200156965	constant_power_B_real	2925.47	0.0	1462.735	0.0
load	N_1200156965	constant_power_C_real	2925.47	0.0	1462.735	0.0
load	N_1200156965	constant_power_A_reac	1813.04	0.0	906.52	0.0
load	N_1200156965	constant_power_B_reac	1813.04	0.0	906.52	0.0
load	N_1200156965	constant_power_C_reac	1813.04	0.0	906.52	0.0
load	N_1200156990	constant_power_A	3477.04	1142.85	1738.52	571.425
load	N_1200156990	constant_power_B	3477.04	1142.85	1738.52	571.425
load	N_1200156990	constant_power_C	3477.04	1142.85	1738.52	571.425
load	N_1200156990	constant_power_A_real	3477.04	0.0	1738.52	0.0
load	N_1200156990	constant_power_B_real	3477.04	0.0	1738.52	0.0
load	N_1200156990	constant_power_C_real	3477.04	0.0	1738.52	0.0
load	N_1200156990	constant_power_A_reac	1142.85	0.0	571.425	0.0
load	N_1200156990	constant_power_B_reac	1142.85	0.0	571.425	0.0
load	N_1200156990	constant_power_C_reac	1142.85	0.0	571.425	0.0
load	N_1200156875	constant_power_A	4071.87	1598.05	2035.935	799.025
load	N_1200156875	constant_power_B	4071.87	1598.05	2035.935	799.025
load	N_1200156875	constant_power_C	4071.87	1598.05	2035.935	799.025
load	N_1200156875	constant_power_A_real	4071.87	0.0	2035.935	0.0
load	N_1200156875	constant_power_B_real	4071.87	0.0	2035.935	0.0
load	N_1200156875	constant_power_C_real	4071.87	0.0	2035.935	0.0
load	N_1200156875	constant_power_A_reac	1598.05	0.0	799.025	0.0
load	N_1200156875	constant_power_B_reac	1598.05	0.0	799.025	0.0
load	N_1200156875	constant_power_C_reac	1598.05	0.0	799.025	0.0
load	N_1200090574	constant_power_A	6497.14	2135.51	3248.57	1067.755
load	N_1200090574	constant_power_B	6497.14	2135.51	3248.57	1067.755
load	N_1200090574	constant_power_A_real	6497.14	0.0	3248.57	0.0
load	N_1200090574	constant_power_B_real	6497.14	0.0	3248.57	0.0
load	N_1200090574	constant_power_A_reac	2135.51	0.0	1067.755	0.0
load	N_1200090574	constant_power_B_reac	2135.51	0.0	1067.755	0.0
load	N_1200156877	constant_power_A	5261.52	2177.94	2630.76	1088.97
load	N_1200156877	constant_power_B	5261.52	2177.94	2630.76	1088.97
load	N_1200156877	constant_power_C	5261.52	2177.94	2630.76	1088.97
load	N_1200156877	constant_power_A_real	5261.52	0.0	2630.76	0.0
load	N_1200156877	constant_power_B_real	5261.52	0.0	2630.76	0.0
load	N_1200156877	constant_power_C_real	5261.52	0.0	2630.76	0.0
load	N_1200156877	constant_power_A_reac	2177.94	0.0	1088.97	0.0
load	N_1200156877	constant_power_B_reac	2177.94	0.0	1088.97	0.0
load	N_1200156877	constant_power_C_reac	2177.94	0.0	1088.97	0.0
load	N_1200090576	constant_power_A	124.373	77.0795	62.1865	38.53975
load	N_1200090576	constant_power_B	124.373	77.0795	62.1865	38.53975
load	N_1200090576	constant_power_C	124.373	77.0795	62.1865	38.53975
load	N_1200090576	constant_power_A_real	124.373	0.0	62.1865	0.0
load	N_1200090576	constant_power_B_real	124.373	0.0	62.1865	0.0
load	N_1200090576	constant_power_C_real	124.373	0.0	62.1865	0.0
load	N_1200090576	constant_power_A_reac	77.0795	0.0	38.53975	0.0
load	N_1200090576	constant_power_B_reac	77.0795	0.0	38.53975	0.0
load	N_1200090576	constant_power_C_reac	77.0795	0.0	38.53975	0.0
load	N_1200156871	constant_power_A	8657.45	5365.4	4328.725	2682.7

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156871	constant_power_B	8657.45	5365.4	4328.725	2682.7
load	N_1200156871	constant_power_C	8657.45	5365.4	4328.725	2682.7
load	N_1200156871	constant_power_A_real	8657.45	0.0	4328.725	0.0
load	N_1200156871	constant_power_B_real	8657.45	0.0	4328.725	0.0
load	N_1200156871	constant_power_C_real	8657.45	0.0	4328.725	0.0
load	N_1200156871	constant_power_A_reac	5365.4	0.0	2682.7	0.0
load	N_1200156871	constant_power_B_reac	5365.4	0.0	2682.7	0.0
load	N_1200156871	constant_power_C_reac	5365.4	0.0	2682.7	0.0
load	N_1200090570	constant_power_A	2530.72	831.808	1265.36	415.904
load	N_1200090570	constant_power_B	2530.72	831.808	1265.36	415.904
load	N_1200090570	constant_power_C	2530.72	831.808	1265.36	415.904
load	N_1200090570	constant_power_A_real	2530.72	0.0	1265.36	0.0
load	N_1200090570	constant_power_B_real	2530.72	0.0	1265.36	0.0
load	N_1200090570	constant_power_C_real	2530.72	0.0	1265.36	0.0
load	N_1200090570	constant_power_A_reac	831.808	0.0	415.904	0.0
load	N_1200090570	constant_power_B_reac	831.808	0.0	415.904	0.0
load	N_1200090570	constant_power_C_reac	831.808	0.0	415.904	0.0
load	N_1200156873	constant_power_A	1351.88	833.099	675.94	416.5495
load	N_1200156873	constant_power_B	1351.88	833.099	675.94	416.5495
load	N_1200156873	constant_power_C	1351.88	833.099	675.94	416.5495
load	N_1200156873	constant_power_A_real	1351.88	0.0	675.94	0.0
load	N_1200156873	constant_power_B_real	1351.88	0.0	675.94	0.0
load	N_1200156873	constant_power_C_real	1351.88	0.0	675.94	0.0
load	N_1200156873	constant_power_A_reac	833.099	0.0	416.5495	0.0
load	N_1200156873	constant_power_B_reac	833.099	0.0	416.5495	0.0
load	N_1200156873	constant_power_C_reac	833.099	0.0	416.5495	0.0
load	N_1200031387	constant_power_A	2747.02	902.903	1373.51	451.4515
load	N_1200031387	constant_power_B	2747.02	902.903	1373.51	451.4515
load	N_1200031387	constant_power_C	2747.02	902.903	1373.51	451.4515
load	N_1200031387	constant_power_A_real	2747.02	0.0	1373.51	0.0
load	N_1200031387	constant_power_B_real	2747.02	0.0	1373.51	0.0
load	N_1200031387	constant_power_C_real	2747.02	0.0	1373.51	0.0
load	N_1200031387	constant_power_A_reac	902.903	0.0	451.4515	0.0
load	N_1200031387	constant_power_B_reac	902.903	0.0	451.4515	0.0
load	N_1200031387	constant_power_C_reac	902.903	0.0	451.4515	0.0
load	N_1200156975	constant_power_A	3439.19	1726.92	1719.595	863.46
load	N_1200156975	constant_power_B	3439.19	1726.92	1719.595	863.46
load	N_1200156975	constant_power_C	3439.19	1726.92	1719.595	863.46
load	N_1200156975	constant_power_A_real	3439.19	0.0	1719.595	0.0
load	N_1200156975	constant_power_B_real	3439.19	0.0	1719.595	0.0
load	N_1200156975	constant_power_C_real	3439.19	0.0	1719.595	0.0
load	N_1200156975	constant_power_A_reac	1726.92	0.0	863.46	0.0
load	N_1200156975	constant_power_B_reac	1726.92	0.0	863.46	0.0
load	N_1200156975	constant_power_C_reac	1726.92	0.0	863.46	0.0
load	N_1200156878	constant_power_A	1935.89	663.054	967.945	331.527
load	N_1200156878	constant_power_B	1935.89	663.054	967.945	331.527
load	N_1200156878	constant_power_C	1935.89	663.054	967.945	331.527
load	N_1200156878	constant_power_A_real	1935.89	0.0	967.945	0.0
load	N_1200156878	constant_power_B_real	1935.89	0.0	967.945	0.0
load	N_1200156878	constant_power_C_real	1935.89	0.0	967.945	0.0
load	N_1200156878	constant_power_A_reac	663.054	0.0	331.527	0.0
load	N_1200156878	constant_power_B_reac	663.054	0.0	331.527	0.0
load	N_1200156878	constant_power_C_reac	663.054	0.0	331.527	0.0
load	N_1200172528	constant_power_A	3087.7	1014.88	1543.85	507.44
load	N_1200172528	constant_power_B	3087.7	1014.88	1543.85	507.44
load	N_1200172528	constant_power_C	3087.7	1014.88	1543.85	507.44
load	N_1200172528	constant_power_A_real	3087.7	0.0	1543.85	0.0
load	N_1200172528	constant_power_B_real	3087.7	0.0	1543.85	0.0
load	N_1200172528	constant_power_C_real	3087.7	0.0	1543.85	0.0
load	N_1200172528	constant_power_A_reac	1014.88	0.0	507.44	0.0
load	N_1200172528	constant_power_B_reac	1014.88	0.0	507.44	0.0
load	N_1200172528	constant_power_C_reac	1014.88	0.0	507.44	0.0
load	N_1200156759	constant_power_A	2606.43	856.691	1303.215	428.3455

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156759	constant_power_B	2606.43	856.691	1303.215	428.3455
load	N_1200156759	constant_power_C	2606.43	856.691	1303.215	428.3455
load	N_1200156759	constant_power_A_real	2606.43	0.0	1303.215	0.0
load	N_1200156759	constant_power_B_real	2606.43	0.0	1303.215	0.0
load	N_1200156759	constant_power_C_real	2606.43	0.0	1303.215	0.0
load	N_1200156759	constant_power_A_reac	856.691	0.0	428.3455	0.0
load	N_1200156759	constant_power_B_reac	856.691	0.0	428.3455	0.0
load	N_1200156759	constant_power_C_reac	856.691	0.0	428.3455	0.0
load	N_1200157050	constant_power_A	6894.6	4272.89	3447.3	2136.445
load	N_1200157050	constant_power_B	6894.6	4272.89	3447.3	2136.445
load	N_1200157050	constant_power_C	6894.6	4272.89	3447.3	2136.445
load	N_1200157050	constant_power_A_real	6894.6	0.0	3447.3	0.0
load	N_1200157050	constant_power_B_real	6894.6	0.0	3447.3	0.0
load	N_1200157050	constant_power_C_real	6894.6	0.0	3447.3	0.0
load	N_1200157050	constant_power_A_reac	4272.89	0.0	2136.445	0.0
load	N_1200157050	constant_power_B_reac	4272.89	0.0	2136.445	0.0
load	N_1200157050	constant_power_C_reac	4272.89	0.0	2136.445	0.0
load	N_1200157118	constant_power_A	10377.0	6431.11	5188.5	3215.555
load	N_1200157118	constant_power_B	10377.0	6431.11	5188.5	3215.555
load	N_1200157118	constant_power_C	10377.0	6431.11	5188.5	3215.555
load	N_1200157118	constant_power_A_real	10377.0	0.0	5188.5	0.0
load	N_1200157118	constant_power_B_real	10377.0	0.0	5188.5	0.0
load	N_1200157118	constant_power_C_real	10377.0	0.0	5188.5	0.0
load	N_1200157118	constant_power_A_reac	6431.11	0.0	3215.555	0.0
load	N_1200157118	constant_power_B_reac	6431.11	0.0	3215.555	0.0
load	N_1200157118	constant_power_C_reac	6431.11	0.0	3215.555	0.0
load	N_1200057219	constant_power_A	4655.88	2885.46	2327.94	1442.73
load	N_1200057219	constant_power_B	4655.88	2885.46	2327.94	1442.73
load	N_1200057219	constant_power_C	4655.88	2885.46	2327.94	1442.73
load	N_1200057219	constant_power_A_real	4655.88	0.0	2327.94	0.0
load	N_1200057219	constant_power_B_real	4655.88	0.0	2327.94	0.0
load	N_1200057219	constant_power_C_real	4655.88	0.0	2327.94	0.0
load	N_1200057219	constant_power_A_reac	2885.46	0.0	1442.73	0.0
load	N_1200057219	constant_power_B_reac	2885.46	0.0	1442.73	0.0
load	N_1200057219	constant_power_C_reac	2885.46	0.0	1442.73	0.0
load	N_1200058609	constant_power_A	3298.59	2044.28	1649.295	1022.14
load	N_1200058609	constant_power_B	3298.59	2044.28	1649.295	1022.14
load	N_1200058609	constant_power_C	3298.59	2044.28	1649.295	1022.14
load	N_1200058609	constant_power_A_real	3298.59	0.0	1649.295	0.0
load	N_1200058609	constant_power_B_real	3298.59	0.0	1649.295	0.0
load	N_1200058609	constant_power_C_real	3298.59	0.0	1649.295	0.0
load	N_1200058609	constant_power_A_reac	2044.28	0.0	1022.14	0.0
load	N_1200058609	constant_power_B_reac	2044.28	0.0	1022.14	0.0
load	N_1200058609	constant_power_C_reac	2044.28	0.0	1022.14	0.0
load	N_1200096201	constant_power_A	16303.7	10104.1	8151.85	5052.05
load	N_1200096201	constant_power_B	16303.7	10104.1	8151.85	5052.05
load	N_1200096201	constant_power_C	16303.7	10104.1	8151.85	5052.05
load	N_1200096201	constant_power_A_real	16303.7	0.0	8151.85	0.0
load	N_1200096201	constant_power_B_real	16303.7	0.0	8151.85	0.0
load	N_1200096201	constant_power_C_real	16303.7	0.0	8151.85	0.0
load	N_1200096201	constant_power_A_reac	10104.1	0.0	5052.05	0.0
load	N_1200096201	constant_power_B_reac	10104.1	0.0	5052.05	0.0
load	N_1200096201	constant_power_C_reac	10104.1	0.0	5052.05	0.0
load	N_1200020463	constant_power_A	8273.51	2719.37	4136.755	1359.685
load	N_1200020463	constant_power_B	8273.51	2719.37	4136.755	1359.685
load	N_1200020463	constant_power_C	8273.51	2719.37	4136.755	1359.685
load	N_1200020463	constant_power_A_real	8273.51	0.0	4136.755	0.0
load	N_1200020463	constant_power_B_real	8273.51	0.0	4136.755	0.0
load	N_1200020463	constant_power_C_real	8273.51	0.0	4136.755	0.0
load	N_1200020463	constant_power_A_reac	2719.37	0.0	1359.685	0.0
load	N_1200020463	constant_power_B_reac	2719.37	0.0	1359.685	0.0
load	N_1200020463	constant_power_C_reac	2719.37	0.0	1359.685	0.0
load	N_1200057214	constant_power_A	1032.84	627.504	516.42	313.752

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200057214	constant_power_B	1032.84	627.504	516.42	313.752
load	N_1200057214	constant_power_C	1032.84	627.504	516.42	313.752
load	N_1200057214	constant_power_A_real	1032.84	0.0	516.42	0.0
load	N_1200057214	constant_power_B_real	1032.84	0.0	516.42	0.0
load	N_1200057214	constant_power_C_real	1032.84	0.0	516.42	0.0
load	N_1200057214	constant_power_A_reac	627.504	0.0	313.752	0.0
load	N_1200057214	constant_power_B_reac	627.504	0.0	313.752	0.0
load	N_1200057214	constant_power_C_reac	627.504	0.0	313.752	0.0
load	N_1200057216	constant_power_A	21722.0	13462.1	10861.0	6731.05
load	N_1200057216	constant_power_B	21722.0	13462.1	10861.0	6731.05
load	N_1200057216	constant_power_C	21722.0	13462.1	10861.0	6731.05
load	N_1200057216	constant_power_A_real	21722.0	0.0	10861.0	0.0
load	N_1200057216	constant_power_B_real	21722.0	0.0	10861.0	0.0
load	N_1200057216	constant_power_C_real	21722.0	0.0	10861.0	0.0
load	N_1200057216	constant_power_A_reac	13462.1	0.0	6731.05	0.0
load	N_1200057216	constant_power_B_reac	13462.1	0.0	6731.05	0.0
load	N_1200057216	constant_power_C_reac	13462.1	0.0	6731.05	0.0
load	N_1200157337	constant_power_A	2000.78	1239.97	1000.39	619.985
load	N_1200157337	constant_power_B	2000.78	1239.97	1000.39	619.985
load	N_1200157337	constant_power_C	2000.78	1239.97	1000.39	619.985
load	N_1200157337	constant_power_A_real	2000.78	0.0	1000.39	0.0
load	N_1200157337	constant_power_B_real	2000.78	0.0	1000.39	0.0
load	N_1200157337	constant_power_C_real	2000.78	0.0	1000.39	0.0
load	N_1200157337	constant_power_A_reac	1239.97	0.0	619.985	0.0
load	N_1200157337	constant_power_B_reac	1239.97	0.0	619.985	0.0
load	N_1200157337	constant_power_C_reac	1239.97	0.0	619.985	0.0
load	N_1200100086	constant_power_A	26085.9	8574.02	13042.95	4287.01
load	N_1200100086	constant_power_B	26085.9	8574.02	13042.95	4287.01
load	N_1200100086	constant_power_C	26085.9	8574.02	13042.95	4287.01
load	N_1200100086	constant_power_A_real	26085.9	0.0	13042.95	0.0
load	N_1200100086	constant_power_B_real	26085.9	0.0	13042.95	0.0
load	N_1200100086	constant_power_C_real	26085.9	0.0	13042.95	0.0
load	N_1200100086	constant_power_A_reac	8574.02	0.0	4287.01	0.0
load	N_1200100086	constant_power_B_reac	8574.02	0.0	4287.01	0.0
load	N_1200100086	constant_power_C_reac	8574.02	0.0	4287.01	0.0
load	N_1200157338	constant_power_A	4920.85	1617.4	2460.425	808.7
load	N_1200157338	constant_power_B	4920.85	1617.4	2460.425	808.7
load	N_1200157338	constant_power_C	4920.85	1617.4	2460.425	808.7
load	N_1200157338	constant_power_A_real	4920.85	0.0	2460.425	0.0
load	N_1200157338	constant_power_B_real	4920.85	0.0	2460.425	0.0
load	N_1200157338	constant_power_C_real	4920.85	0.0	2460.425	0.0
load	N_1200157338	constant_power_A_reac	1617.4	0.0	808.7	0.0
load	N_1200157338	constant_power_B_reac	1617.4	0.0	808.7	0.0
load	N_1200157338	constant_power_C_reac	1617.4	0.0	808.7	0.0
load	N_1200153227	constant_power_A	5185.82	1704.5	2592.91	852.25
load	N_1200153227	constant_power_B	5185.82	1704.5	2592.91	852.25
load	N_1200153227	constant_power_C	5185.82	1704.5	2592.91	852.25
load	N_1200153227	constant_power_A_real	5185.82	0.0	2592.91	0.0
load	N_1200153227	constant_power_B_real	5185.82	0.0	2592.91	0.0
load	N_1200153227	constant_power_C_real	5185.82	0.0	2592.91	0.0
load	N_1200153227	constant_power_A_reac	1704.5	0.0	852.25	0.0
load	N_1200153227	constant_power_B_reac	1704.5	0.0	852.25	0.0
load	N_1200153227	constant_power_C_reac	1704.5	0.0	852.25	0.0
load	N_1200091796	constant_power_A	3006.58	988.216	1503.29	494.108
load	N_1200091796	constant_power_B	3006.58	988.216	1503.29	494.108
load	N_1200091796	constant_power_C	3006.58	988.216	1503.29	494.108
load	N_1200091796	constant_power_A_real	3006.58	0.0	1503.29	0.0
load	N_1200091796	constant_power_B_real	3006.58	0.0	1503.29	0.0
load	N_1200091796	constant_power_C_real	3006.58	0.0	1503.29	0.0
load	N_1200091796	constant_power_A_reac	988.216	0.0	494.108	0.0
load	N_1200091796	constant_power_B_reac	988.216	0.0	494.108	0.0
load	N_1200091796	constant_power_C_reac	988.216	0.0	494.108	0.0
load	N_1200091797	constant_power_A	2617.24	860.246	1308.62	430.123

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200091797	constant_power_B	2617.24	860.246	1308.62	430.123
load	N_1200091797	constant_power_C	2617.24	860.246	1308.62	430.123
load	N_1200091797	constant_power_A_real	2617.24	0.0	1308.62	0.0
load	N_1200091797	constant_power_B_real	2617.24	0.0	1308.62	0.0
load	N_1200091797	constant_power_C_real	2617.24	0.0	1308.62	0.0
load	N_1200091797	constant_power_A_reac	860.246	0.0	430.123	0.0
load	N_1200091797	constant_power_B_reac	860.246	0.0	430.123	0.0
load	N_1200091797	constant_power_C_reac	860.246	0.0	430.123	0.0
load	N_1200091795	constant_power_A	1384.33	455.006	692.165	227.503
load	N_1200091795	constant_power_B	1384.33	455.006	692.165	227.503
load	N_1200091795	constant_power_C	1384.33	455.006	692.165	227.503
load	N_1200091795	constant_power_A_real	1384.33	0.0	692.165	0.0
load	N_1200091795	constant_power_B_real	1384.33	0.0	692.165	0.0
load	N_1200091795	constant_power_C_real	1384.33	0.0	692.165	0.0
load	N_1200091795	constant_power_A_reac	455.006	0.0	227.503	0.0
load	N_1200091795	constant_power_B_reac	455.006	0.0	227.503	0.0
load	N_1200091795	constant_power_C_reac	455.006	0.0	227.503	0.0
load	N_1200091798	constant_power_A	7808.47	3573.82	3904.235	1786.91
load	N_1200091798	constant_power_B	7808.47	3573.82	3904.235	1786.91
load	N_1200091798	constant_power_C	7808.47	3573.82	3904.235	1786.91
load	N_1200091798	constant_power_A_real	7808.47	0.0	3904.235	0.0
load	N_1200091798	constant_power_B_real	7808.47	0.0	3904.235	0.0
load	N_1200091798	constant_power_C_real	7808.47	0.0	3904.235	0.0
load	N_1200091798	constant_power_A_reac	3573.82	0.0	1786.91	0.0
load	N_1200091798	constant_power_B_reac	3573.82	0.0	1786.91	0.0
load	N_1200091798	constant_power_C_reac	3573.82	0.0	1786.91	0.0
load	N_1200043621	constant_power_A	20462.1	12681.3	10231.05	6340.65
load	N_1200043621	constant_power_B	20462.1	12681.3	10231.05	6340.65
load	N_1200043621	constant_power_C	20462.1	12681.3	10231.05	6340.65
load	N_1200043621	constant_power_A_real	20462.1	0.0	10231.05	0.0
load	N_1200043621	constant_power_B_real	20462.1	0.0	10231.05	0.0
load	N_1200043621	constant_power_C_real	20462.1	0.0	10231.05	0.0
load	N_1200043621	constant_power_A_reac	12681.3	0.0	6340.65	0.0
load	N_1200043621	constant_power_B_reac	12681.3	0.0	6340.65	0.0
load	N_1200043621	constant_power_C_reac	12681.3	0.0	6340.65	0.0
load	N_1200057329	constant_power_A	1000.39	619.987	500.195	309.9935
load	N_1200057329	constant_power_B	1000.39	619.987	500.195	309.9935
load	N_1200057329	constant_power_C	1000.39	619.987	500.195	309.9935
load	N_1200057329	constant_power_A_real	1000.39	0.0	500.195	0.0
load	N_1200057329	constant_power_B_real	1000.39	0.0	500.195	0.0
load	N_1200057329	constant_power_C_real	1000.39	0.0	500.195	0.0
load	N_1200057329	constant_power_A_reac	619.987	0.0	309.9935	0.0
load	N_1200057329	constant_power_B_reac	619.987	0.0	309.9935	0.0
load	N_1200057329	constant_power_C_reac	619.987	0.0	309.9935	0.0
load	N_1200126048	constant_power_A	3904.23	1283.26	1952.115	641.63
load	N_1200126048	constant_power_B	3904.23	1283.26	1952.115	641.63
load	N_1200126048	constant_power_C	3904.23	1283.26	1952.115	641.63
load	N_1200126048	constant_power_A_real	3904.23	0.0	1952.115	0.0
load	N_1200126048	constant_power_B_real	3904.23	0.0	1952.115	0.0
load	N_1200126048	constant_power_C_real	3904.23	0.0	1952.115	0.0
load	N_1200126048	constant_power_A_reac	1283.26	0.0	641.63	0.0
load	N_1200126048	constant_power_B_reac	1283.26	0.0	641.63	0.0
load	N_1200126048	constant_power_C_reac	1283.26	0.0	641.63	0.0
load	N_1200057324	constant_power_A	2363.09	1464.51	1181.545	732.255
load	N_1200057324	constant_power_B	2363.09	1464.51	1181.545	732.255
load	N_1200057324	constant_power_C	2363.09	1464.51	1181.545	732.255
load	N_1200057324	constant_power_A_real	2363.09	0.0	1181.545	0.0
load	N_1200057324	constant_power_B_real	2363.09	0.0	1181.545	0.0
load	N_1200057324	constant_power_C_real	2363.09	0.0	1181.545	0.0
load	N_1200057324	constant_power_A_reac	1464.51	0.0	732.255	0.0
load	N_1200057324	constant_power_B_reac	1464.51	0.0	732.255	0.0
load	N_1200057324	constant_power_C_reac	1464.51	0.0	732.255	0.0
load	N_1200089005	constant_power_A	8105.88	4782.76	4052.94	2391.38

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200089005	constant_power_B	8105.88	4782.76	4052.94	2391.38
load	N_1200089005	constant_power_C	8105.88	4782.76	4052.94	2391.38
load	N_1200089005	constant_power_A_real	8105.88	0.0	4052.94	0.0
load	N_1200089005	constant_power_B_real	8105.88	0.0	4052.94	0.0
load	N_1200089005	constant_power_C_real	8105.88	0.0	4052.94	0.0
load	N_1200089005	constant_power_A_reac	4782.76	0.0	2391.38	0.0
load	N_1200089005	constant_power_B_reac	4782.76	0.0	2391.38	0.0
load	N_1200089005	constant_power_C_reac	4782.76	0.0	2391.38	0.0
load	N_1200181008	constant_power_A	1795.3	1112.63	897.65	556.315
load	N_1200181008	constant_power_B	1795.3	1112.63	897.65	556.315
load	N_1200181008	constant_power_C	1795.3	1112.63	897.65	556.315
load	N_1200181008	constant_power_A_real	1795.3	0.0	897.65	0.0
load	N_1200181008	constant_power_B_real	1795.3	0.0	897.65	0.0
load	N_1200181008	constant_power_C_real	1795.3	0.0	897.65	0.0
load	N_1200181008	constant_power_A_reac	1112.63	0.0	556.315	0.0
load	N_1200181008	constant_power_B_reac	1112.63	0.0	556.315	0.0
load	N_1200181008	constant_power_C_reac	1112.63	0.0	556.315	0.0
load	N_1200089002	constant_power_A	10631.2	3859.45	5315.6	1929.725
load	N_1200089002	constant_power_B	10631.2	3859.45	5315.6	1929.725
load	N_1200089002	constant_power_C	10631.2	3859.45	5315.6	1929.725
load	N_1200089002	constant_power_A_real	10631.2	0.0	5315.6	0.0
load	N_1200089002	constant_power_B_real	10631.2	0.0	5315.6	0.0
load	N_1200089002	constant_power_C_real	10631.2	0.0	5315.6	0.0
load	N_1200089002	constant_power_A_reac	3859.45	0.0	1929.725	0.0
load	N_1200089002	constant_power_B_reac	3859.45	0.0	1929.725	0.0
load	N_1200089002	constant_power_C_reac	3859.45	0.0	1929.725	0.0
load	N_1200093567	constant_power_A	1400.55	460.338	700.275	230.169
load	N_1200093567	constant_power_B	1400.55	460.338	700.275	230.169
load	N_1200093567	constant_power_C	1400.55	460.338	700.275	230.169
load	N_1200093567	constant_power_A_real	1400.55	0.0	700.275	0.0
load	N_1200093567	constant_power_B_real	1400.55	0.0	700.275	0.0
load	N_1200093567	constant_power_C_real	1400.55	0.0	700.275	0.0
load	N_1200093567	constant_power_A_reac	460.338	0.0	230.169	0.0
load	N_1200093567	constant_power_B_reac	460.338	0.0	230.169	0.0
load	N_1200093567	constant_power_C_reac	460.338	0.0	230.169	0.0
load	N_1200093566	constant_power_A	767.869	475.882	383.9345	237.941
load	N_1200093566	constant_power_B	767.869	475.882	383.9345	237.941
load	N_1200093566	constant_power_C	767.869	475.882	383.9345	237.941
load	N_1200093566	constant_power_A_real	767.869	0.0	383.9345	0.0
load	N_1200093566	constant_power_B_real	767.869	0.0	383.9345	0.0
load	N_1200093566	constant_power_C_real	767.869	0.0	383.9345	0.0
load	N_1200093566	constant_power_A_reac	475.882	0.0	237.941	0.0
load	N_1200093566	constant_power_B_reac	475.882	0.0	237.941	0.0
load	N_1200093566	constant_power_C_reac	475.882	0.0	237.941	0.0
load	N_1200157341	constant_power_A	6900.0	3635.65	3450.0	1817.825
load	N_1200157341	constant_power_B	6900.0	3635.65	3450.0	1817.825
load	N_1200157341	constant_power_C	6900.0	3635.65	3450.0	1817.825
load	N_1200157341	constant_power_A_real	6900.0	0.0	3450.0	0.0
load	N_1200157341	constant_power_B_real	6900.0	0.0	3450.0	0.0
load	N_1200157341	constant_power_C_real	6900.0	0.0	3450.0	0.0
load	N_1200157341	constant_power_A_reac	3635.65	0.0	1817.825	0.0
load	N_1200157341	constant_power_B_reac	3635.65	0.0	1817.825	0.0
load	N_1200157341	constant_power_C_reac	3635.65	0.0	1817.825	0.0
load	N_1200157343	constant_power_A	8749.38	5422.38	4374.69	2711.19
load	N_1200157343	constant_power_B	8749.38	5422.38	4374.69	2711.19
load	N_1200157343	constant_power_C	8749.38	5422.38	4374.69	2711.19
load	N_1200157343	constant_power_A_real	8749.38	0.0	4374.69	0.0
load	N_1200157343	constant_power_B_real	8749.38	0.0	4374.69	0.0
load	N_1200157343	constant_power_C_real	8749.38	0.0	4374.69	0.0
load	N_1200157343	constant_power_A_reac	5422.38	0.0	2711.19	0.0
load	N_1200157343	constant_power_B_reac	5422.38	0.0	2711.19	0.0
load	N_1200157343	constant_power_C_reac	5422.38	0.0	2711.19	0.0
load	N_1200093569	constant_power_A	978.762	606.582	489.381	303.291

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200093569	constant_power_B	978.762	606.582	489.381	303.291
load	N_1200093569	constant_power_C	978.762	606.582	489.381	303.291
load	N_1200093569	constant_power_A_real	978.762	0.0	489.381	0.0
load	N_1200093569	constant_power_B_real	978.762	0.0	489.381	0.0
load	N_1200093569	constant_power_C_real	978.762	0.0	489.381	0.0
load	N_1200093569	constant_power_A_reac	606.582	0.0	303.291	0.0
load	N_1200093569	constant_power_B_reac	606.582	0.0	303.291	0.0
load	N_1200093569	constant_power_C_reac	606.582	0.0	303.291	0.0
load	N_1200093568	constant_power_A	4315.21	2224.18	2157.605	1112.09
load	N_1200093568	constant_power_B	4315.21	2224.18	2157.605	1112.09
load	N_1200093568	constant_power_C	4315.21	2224.18	2157.605	1112.09
load	N_1200093568	constant_power_A_real	4315.21	0.0	2157.605	0.0
load	N_1200093568	constant_power_B_real	4315.21	0.0	2157.605	0.0
load	N_1200093568	constant_power_C_real	4315.21	0.0	2157.605	0.0
load	N_1200093568	constant_power_A_reac	2224.18	0.0	1112.09	0.0
load	N_1200093568	constant_power_B_reac	2224.18	0.0	1112.09	0.0
load	N_1200093568	constant_power_C_reac	2224.18	0.0	1112.09	0.0
load	N_1200037506	constant_power_A	6402.51	2639.53	3201.255	1319.765
load	N_1200037506	constant_power_B	6402.51	2639.53	3201.255	1319.765
load	N_1200037506	constant_power_C	6402.51	2639.53	3201.255	1319.765
load	N_1200037506	constant_power_A_real	6402.51	0.0	3201.255	0.0
load	N_1200037506	constant_power_B_real	6402.51	0.0	3201.255	0.0
load	N_1200037506	constant_power_C_real	6402.51	0.0	3201.255	0.0
load	N_1200037506	constant_power_A_reac	2639.53	0.0	1319.765	0.0
load	N_1200037506	constant_power_B_reac	2639.53	0.0	1319.765	0.0
load	N_1200037506	constant_power_C_reac	2639.53	0.0	1319.765	0.0
load	N_1200157487	constant_power_A	7446.16	4614.72	3723.08	2307.36
load	N_1200157487	constant_power_B	7446.16	4614.72	3723.08	2307.36
load	N_1200157487	constant_power_C	7446.16	4614.72	3723.08	2307.36
load	N_1200157487	constant_power_A_real	7446.16	0.0	3723.08	0.0
load	N_1200157487	constant_power_B_real	7446.16	0.0	3723.08	0.0
load	N_1200157487	constant_power_C_real	7446.16	0.0	3723.08	0.0
load	N_1200157487	constant_power_A_reac	4614.72	0.0	2307.36	0.0
load	N_1200157487	constant_power_B_reac	4614.72	0.0	2307.36	0.0
load	N_1200157487	constant_power_C_reac	4614.72	0.0	2307.36	0.0
load	N_1200088321	constant_power_A	4590.99	1508.99	2295.495	754.495
load	N_1200088321	constant_power_B	4590.99	1508.99	2295.495	754.495
load	N_1200088321	constant_power_A_real	4590.99	0.0	2295.495	0.0
load	N_1200088321	constant_power_B_real	4590.99	0.0	2295.495	0.0
load	N_1200088321	constant_power_A_reac	1508.99	0.0	754.495	0.0
load	N_1200088321	constant_power_B_reac	1508.99	0.0	754.495	0.0
load	N_1200088320	constant_power_A	2214.38	727.832	1107.19	363.916
load	N_1200088320	constant_power_B	2214.38	727.832	1107.19	363.916
load	N_1200088320	constant_power_A_real	2214.38	0.0	1107.19	0.0
load	N_1200088320	constant_power_B_real	2214.38	0.0	1107.19	0.0
load	N_1200088320	constant_power_A_reac	727.832	0.0	363.916	0.0
load	N_1200088320	constant_power_B_reac	727.832	0.0	363.916	0.0
load	N_1200031598	constant_power_A	2281.98	750.049	1140.99	375.0245
load	N_1200031598	constant_power_B	2281.98	750.049	1140.99	375.0245
load	N_1200031598	constant_power_C	2281.98	750.049	1140.99	375.0245
load	N_1200031598	constant_power_A_real	2281.98	0.0	1140.99	0.0
load	N_1200031598	constant_power_B_real	2281.98	0.0	1140.99	0.0
load	N_1200031598	constant_power_C_real	2281.98	0.0	1140.99	0.0
load	N_1200031598	constant_power_A_reac	750.049	0.0	375.0245	0.0
load	N_1200031598	constant_power_B_reac	750.049	0.0	375.0245	0.0
load	N_1200031598	constant_power_C_reac	750.049	0.0	375.0245	0.0
load	N_1200088322	constant_power_A	7024.38	2308.8	3512.19	1154.4
load	N_1200088322	constant_power_B	7024.38	2308.8	3512.19	1154.4
load	N_1200088322	constant_power_A_real	7024.38	0.0	3512.19	0.0
load	N_1200088322	constant_power_B_real	7024.38	0.0	3512.19	0.0
load	N_1200088322	constant_power_A_reac	2308.8	0.0	1154.4	0.0
load	N_1200088322	constant_power_B_reac	2308.8	0.0	1154.4	0.0
load	N_1200120287	constant_power_A	75.7053	46.918	37.85265	23.459

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200120287	constant_power_B	75.7053	46.918	37.85265	23.459
load	N_1200120287	constant_power_C	75.7053	46.918	37.85265	23.459
load	N_1200120287	constant_power_A_real	75.7053	0.0	37.85265	0.0
load	N_1200120287	constant_power_B_real	75.7053	0.0	37.85265	0.0
load	N_1200120287	constant_power_C_real	75.7053	0.0	37.85265	0.0
load	N_1200120287	constant_power_A_reac	46.918	0.0	23.459	0.0
load	N_1200120287	constant_power_B_reac	46.918	0.0	23.459	0.0
load	N_1200120287	constant_power_C_reac	46.918	0.0	23.459	0.0
load	N_1200120284	constant_power_A	3130.96	1940.39	1565.48	970.195
load	N_1200120284	constant_power_B	3130.96	1940.39	1565.48	970.195
load	N_1200120284	constant_power_C	3130.96	1940.39	1565.48	970.195
load	N_1200120284	constant_power_A_real	3130.96	0.0	1565.48	0.0
load	N_1200120284	constant_power_B_real	3130.96	0.0	1565.48	0.0
load	N_1200120284	constant_power_C_real	3130.96	0.0	1565.48	0.0
load	N_1200120284	constant_power_A_reac	1940.39	0.0	970.195	0.0
load	N_1200120284	constant_power_B_reac	1940.39	0.0	970.195	0.0
load	N_1200120284	constant_power_C_reac	1940.39	0.0	970.195	0.0
load	N_1200031593	constant_power_A	3574.37	1174.84	1787.185	587.42
load	N_1200031593	constant_power_B	3574.37	1174.84	1787.185	587.42
load	N_1200031593	constant_power_C	3574.37	1174.84	1787.185	587.42
load	N_1200031593	constant_power_A_real	3574.37	0.0	1787.185	0.0
load	N_1200031593	constant_power_B_real	3574.37	0.0	1787.185	0.0
load	N_1200031593	constant_power_C_real	3574.37	0.0	1787.185	0.0
load	N_1200031593	constant_power_A_reac	1174.84	0.0	587.42	0.0
load	N_1200031593	constant_power_B_reac	1174.84	0.0	587.42	0.0
load	N_1200031593	constant_power_C_reac	1174.84	0.0	587.42	0.0
load	N_1200156749	constant_power_A	5023.59	3113.34	2511.795	1556.67
load	N_1200156749	constant_power_B	5023.59	3113.34	2511.795	1556.67
load	N_1200156749	constant_power_C	5023.59	3113.34	2511.795	1556.67
load	N_1200156749	constant_power_A_real	5023.59	0.0	2511.795	0.0
load	N_1200156749	constant_power_B_real	5023.59	0.0	2511.795	0.0
load	N_1200156749	constant_power_C_real	5023.59	0.0	2511.795	0.0
load	N_1200156749	constant_power_A_reac	3113.34	0.0	1556.67	0.0
load	N_1200156749	constant_power_B_reac	3113.34	0.0	1556.67	0.0
load	N_1200156749	constant_power_C_reac	3113.34	0.0	1556.67	0.0
load	N_1200156743	constant_power_A	17828.6	11049.2	8914.3	5524.6
load	N_1200156743	constant_power_B	17828.6	11049.2	8914.3	5524.6
load	N_1200156743	constant_power_C	17828.6	11049.2	8914.3	5524.6
load	N_1200156743	constant_power_A_real	17828.6	0.0	8914.3	0.0
load	N_1200156743	constant_power_B_real	17828.6	0.0	8914.3	0.0
load	N_1200156743	constant_power_C_real	17828.6	0.0	8914.3	0.0
load	N_1200156743	constant_power_A_reac	11049.2	0.0	5524.6	0.0
load	N_1200156743	constant_power_B_reac	11049.2	0.0	5524.6	0.0
load	N_1200156743	constant_power_C_reac	11049.2	0.0	5524.6	0.0
load	N_1200156741	constant_power_A	2930.88	963.333	1465.44	481.6665
load	N_1200156741	constant_power_B	2930.88	963.333	1465.44	481.6665
load	N_1200156741	constant_power_C	2930.88	963.333	1465.44	481.6665
load	N_1200156741	constant_power_A_real	2930.88	0.0	1465.44	0.0
load	N_1200156741	constant_power_B_real	2930.88	0.0	1465.44	0.0
load	N_1200156741	constant_power_C_real	2930.88	0.0	1465.44	0.0
load	N_1200156741	constant_power_A_reac	963.333	0.0	481.6665	0.0
load	N_1200156741	constant_power_B_reac	963.333	0.0	481.6665	0.0
load	N_1200156741	constant_power_C_reac	963.333	0.0	481.6665	0.0
load	N_1200156740	constant_power_A	535.345	331.777	267.6725	165.8885
load	N_1200156740	constant_power_B	535.345	331.777	267.6725	165.8885
load	N_1200156740	constant_power_C	535.345	331.777	267.6725	165.8885
load	N_1200156740	constant_power_A_real	535.345	0.0	267.6725	0.0
load	N_1200156740	constant_power_B_real	535.345	0.0	267.6725	0.0
load	N_1200156740	constant_power_C_real	535.345	0.0	267.6725	0.0
load	N_1200156740	constant_power_A_reac	331.777	0.0	165.8885	0.0
load	N_1200156740	constant_power_B_reac	331.777	0.0	165.8885	0.0
load	N_1200156740	constant_power_C_reac	331.777	0.0	165.8885	0.0
load	N_1200101934	constant_power_A	29617.0	18355.0	14808.5	9177.5

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200101934	constant_power_B	29617.0	18355.0	14808.5	9177.5
load	N_1200101934	constant_power_C	29617.0	18355.0	14808.5	9177.5
load	N_1200101934	constant_power_A_real	29617.0	0.0	14808.5	0.0
load	N_1200101934	constant_power_B_real	29617.0	0.0	14808.5	0.0
load	N_1200101934	constant_power_C_real	29617.0	0.0	14808.5	0.0
load	N_1200101934	constant_power_A_reac	18355.0	0.0	9177.5	0.0
load	N_1200101934	constant_power_B_reac	18355.0	0.0	9177.5	0.0
load	N_1200101934	constant_power_C_reac	18355.0	0.0	9177.5	0.0
load	N_1200058353	constant_power_A	427.195	264.751	213.5975	132.3755
load	N_1200058353	constant_power_B	427.195	264.751	213.5975	132.3755
load	N_1200058353	constant_power_C	427.195	264.751	213.5975	132.3755
load	N_1200058353	constant_power_A_real	427.195	0.0	213.5975	0.0
load	N_1200058353	constant_power_B_real	427.195	0.0	213.5975	0.0
load	N_1200058353	constant_power_C_real	427.195	0.0	213.5975	0.0
load	N_1200058353	constant_power_A_reac	264.751	0.0	132.3755	0.0
load	N_1200058353	constant_power_B_reac	264.751	0.0	132.3755	0.0
load	N_1200058353	constant_power_C_reac	264.751	0.0	132.3755	0.0
load	N_1200091803	constant_power_A	6791.85	2232.37	3395.925	1116.185
load	N_1200091803	constant_power_B	6791.85	2232.37	3395.925	1116.185
load	N_1200091803	constant_power_C	6791.85	2232.37	3395.925	1116.185
load	N_1200091803	constant_power_A_real	6791.85	0.0	3395.925	0.0
load	N_1200091803	constant_power_B_real	6791.85	0.0	3395.925	0.0
load	N_1200091803	constant_power_C_real	6791.85	0.0	3395.925	0.0
load	N_1200091803	constant_power_A_reac	2232.37	0.0	1116.185	0.0
load	N_1200091803	constant_power_B_reac	2232.37	0.0	1116.185	0.0
load	N_1200091803	constant_power_C_reac	2232.37	0.0	1116.185	0.0
load	N_1200091806	constant_power_A	13070.0	6061.83	6535.0	3030.915
load	N_1200091806	constant_power_B	13070.0	6061.83	6535.0	3030.915
load	N_1200091806	constant_power_C	13070.0	6061.83	6535.0	3030.915
load	N_1200091806	constant_power_A_real	13070.0	0.0	6535.0	0.0
load	N_1200091806	constant_power_B_real	13070.0	0.0	6535.0	0.0
load	N_1200091806	constant_power_C_real	13070.0	0.0	6535.0	0.0
load	N_1200091806	constant_power_A_reac	6061.83	0.0	3030.915	0.0
load	N_1200091806	constant_power_B_reac	6061.83	0.0	3030.915	0.0
load	N_1200091806	constant_power_C_reac	6061.83	0.0	3030.915	0.0
load	N_1200091804	constant_power_A	2692.95	885.129	1346.475	442.5645
load	N_1200091804	constant_power_B	2692.95	885.129	1346.475	442.5645
load	N_1200091804	constant_power_C	2692.95	885.129	1346.475	442.5645
load	N_1200091804	constant_power_A_real	2692.95	0.0	1346.475	0.0
load	N_1200091804	constant_power_B_real	2692.95	0.0	1346.475	0.0
load	N_1200091804	constant_power_C_real	2692.95	0.0	1346.475	0.0
load	N_1200091804	constant_power_A_reac	885.129	0.0	442.5645	0.0
load	N_1200091804	constant_power_B_reac	885.129	0.0	442.5645	0.0
load	N_1200091804	constant_power_C_reac	885.129	0.0	442.5645	0.0
load	N_1200156831	constant_power_A	3093.1	1016.65	1546.55	508.325
load	N_1200156831	constant_power_B	3093.1	1016.65	1546.55	508.325
load	N_1200156831	constant_power_C	3093.1	1016.65	1546.55	508.325
load	N_1200156831	constant_power_A_real	3093.1	0.0	1546.55	0.0
load	N_1200156831	constant_power_B_real	3093.1	0.0	1546.55	0.0
load	N_1200156831	constant_power_C_real	3093.1	0.0	1546.55	0.0
load	N_1200156831	constant_power_A_reac	1016.65	0.0	508.325	0.0
load	N_1200156831	constant_power_B_reac	1016.65	0.0	508.325	0.0
load	N_1200156831	constant_power_C_reac	1016.65	0.0	508.325	0.0
load	N_1200156830	constant_power_A	2357.68	774.932	1178.84	387.466
load	N_1200156830	constant_power_B	2357.68	774.932	1178.84	387.466
load	N_1200156830	constant_power_C	2357.68	774.932	1178.84	387.466
load	N_1200156830	constant_power_A_real	2357.68	0.0	1178.84	0.0
load	N_1200156830	constant_power_B_real	2357.68	0.0	1178.84	0.0
load	N_1200156830	constant_power_C_real	2357.68	0.0	1178.84	0.0
load	N_1200156830	constant_power_A_reac	774.932	0.0	387.466	0.0
load	N_1200156830	constant_power_B_reac	774.932	0.0	387.466	0.0
load	N_1200156830	constant_power_C_reac	774.932	0.0	387.466	0.0
load	N_1200156834	constant_power_A	1962.93	645.184	981.465	322.592

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156834	constant_power_B	1962.93	645.184	981.465	322.592
load	N_1200156834	constant_power_C	1962.93	645.184	981.465	322.592
load	N_1200156834	constant_power_A_real	1962.93	0.0	981.465	0.0
load	N_1200156834	constant_power_B_real	1962.93	0.0	981.465	0.0
load	N_1200156834	constant_power_C_real	1962.93	0.0	981.465	0.0
load	N_1200156834	constant_power_A_reac	645.184	0.0	322.592	0.0
load	N_1200156834	constant_power_B_reac	645.184	0.0	322.592	0.0
load	N_1200156834	constant_power_C_reac	645.184	0.0	322.592	0.0
load	N_1200156836	constant_power_A	4534.21	1490.32	2267.105	745.16
load	N_1200156836	constant_power_B	4534.21	1490.32	2267.105	745.16
load	N_1200156836	constant_power_A_real	4534.21	0.0	2267.105	0.0
load	N_1200156836	constant_power_B_real	4534.21	0.0	2267.105	0.0
load	N_1200156836	constant_power_A_reac	1490.32	0.0	745.16	0.0
load	N_1200156836	constant_power_B_reac	1490.32	0.0	745.16	0.0
load	N_1200156930	constant_power_A	5456.19	1793.36	2728.095	896.68
load	N_1200156930	constant_power_B	5456.19	1793.36	2728.095	896.68
load	N_1200156930	constant_power_C	5456.19	1793.36	2728.095	896.68
load	N_1200156930	constant_power_A_real	5456.19	0.0	2728.095	0.0
load	N_1200156930	constant_power_B_real	5456.19	0.0	2728.095	0.0
load	N_1200156930	constant_power_C_real	5456.19	0.0	2728.095	0.0
load	N_1200156930	constant_power_A_reac	1793.36	0.0	896.68	0.0
load	N_1200156930	constant_power_B_reac	1793.36	0.0	896.68	0.0
load	N_1200156930	constant_power_C_reac	1793.36	0.0	896.68	0.0
load	N_1200156512	constant_power_A	2974.14	977.552	1487.07	488.776
load	N_1200156512	constant_power_B	2974.14	977.552	1487.07	488.776
load	N_1200156512	constant_power_C	2974.14	977.552	1487.07	488.776
load	N_1200156512	constant_power_A_real	2974.14	0.0	1487.07	0.0
load	N_1200156512	constant_power_B_real	2974.14	0.0	1487.07	0.0
load	N_1200156512	constant_power_C_real	2974.14	0.0	1487.07	0.0
load	N_1200156512	constant_power_A_reac	977.552	0.0	488.776	0.0
load	N_1200156512	constant_power_B_reac	977.552	0.0	488.776	0.0
load	N_1200156512	constant_power_C_reac	977.552	0.0	488.776	0.0
load	N_1200156932	constant_power_A	9398.28	3515.6	4699.14	1757.8
load	N_1200156932	constant_power_B	9398.28	3515.6	4699.14	1757.8
load	N_1200156932	constant_power_C	9398.28	3515.6	4699.14	1757.8
load	N_1200156932	constant_power_A_real	9398.28	0.0	4699.14	0.0
load	N_1200156932	constant_power_B_real	9398.28	0.0	4699.14	0.0
load	N_1200156932	constant_power_C_real	9398.28	0.0	4699.14	0.0
load	N_1200156932	constant_power_A_reac	3515.6	0.0	1757.8	0.0
load	N_1200156932	constant_power_B_reac	3515.6	0.0	1757.8	0.0
load	N_1200156932	constant_power_C_reac	3515.6	0.0	1757.8	0.0
load	N_1200156936	constant_power_A	2341.46	796.357	1170.73	398.1785
load	N_1200156936	constant_power_B	2341.46	796.357	1170.73	398.1785
load	N_1200156936	constant_power_C	2341.46	796.357	1170.73	398.1785
load	N_1200156936	constant_power_A_real	2341.46	0.0	1170.73	0.0
load	N_1200156936	constant_power_B_real	2341.46	0.0	1170.73	0.0
load	N_1200156936	constant_power_C_real	2341.46	0.0	1170.73	0.0
load	N_1200156936	constant_power_A_reac	796.357	0.0	398.1785	0.0
load	N_1200156936	constant_power_B_reac	796.357	0.0	398.1785	0.0
load	N_1200156936	constant_power_C_reac	796.357	0.0	398.1785	0.0
load	N_1200156513	constant_power_A	529.938	174.182	264.969	87.091
load	N_1200156513	constant_power_B	529.938	174.182	264.969	87.091
load	N_1200156513	constant_power_C	529.938	174.182	264.969	87.091
load	N_1200156513	constant_power_A_real	529.938	0.0	264.969	0.0
load	N_1200156513	constant_power_B_real	529.938	0.0	264.969	0.0
load	N_1200156513	constant_power_C_real	529.938	0.0	264.969	0.0
load	N_1200156513	constant_power_A_reac	174.182	0.0	87.091	0.0
load	N_1200156513	constant_power_B_reac	174.182	0.0	87.091	0.0
load	N_1200156513	constant_power_C_reac	174.182	0.0	87.091	0.0
load	N_1200157151	constant_power_A	8035.58	2641.17	4017.79	1320.585
load	N_1200157151	constant_power_B	8035.58	2641.17	4017.79	1320.585
load	N_1200157151	constant_power_C	8035.58	2641.17	4017.79	1320.585
load	N_1200157151	constant_power_A_real	8035.58	0.0	4017.79	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157151	constant_power_B_real	8035.58	0.0	4017.79	0.0
load	N_1200157151	constant_power_C_real	8035.58	0.0	4017.79	0.0
load	N_1200157151	constant_power_A_reac	2641.17	0.0	1320.585	0.0
load	N_1200157151	constant_power_B_reac	2641.17	0.0	1320.585	0.0
load	N_1200157151	constant_power_C_reac	2641.17	0.0	1320.585	0.0
load	N_1200156939	constant_power_A	91.928	56.9719	45.964	28.48595
load	N_1200156939	constant_power_B	91.928	56.9719	45.964	28.48595
load	N_1200156939	constant_power_C	91.928	56.9719	45.964	28.48595
load	N_1200156939	constant_power_A_real	91.928	0.0	45.964	0.0
load	N_1200156939	constant_power_B_real	91.928	0.0	45.964	0.0
load	N_1200156939	constant_power_C_real	91.928	0.0	45.964	0.0
load	N_1200156939	constant_power_A_reac	56.9719	0.0	28.48595	0.0
load	N_1200156939	constant_power_B_reac	56.9719	0.0	28.48595	0.0
load	N_1200156939	constant_power_C_reac	56.9719	0.0	28.48595	0.0
load	N_1200157152	constant_power_A	3714.97	1622.4	1857.485	811.2
load	N_1200157152	constant_power_B	3714.97	1622.4	1857.485	811.2
load	N_1200157152	constant_power_C	3714.97	1622.4	1857.485	811.2
load	N_1200157152	constant_power_A_real	3714.97	0.0	1857.485	0.0
load	N_1200157152	constant_power_B_real	3714.97	0.0	1857.485	0.0
load	N_1200157152	constant_power_C_real	3714.97	0.0	1857.485	0.0
load	N_1200157152	constant_power_A_reac	1622.4	0.0	811.2	0.0
load	N_1200157152	constant_power_B_reac	1622.4	0.0	811.2	0.0
load	N_1200157152	constant_power_C_reac	1622.4	0.0	811.2	0.0
load	N_1200150154	constant_power_A	2444.2	1514.78	1222.1	757.39
load	N_1200150154	constant_power_B	2444.2	1514.78	1222.1	757.39
load	N_1200150154	constant_power_C	2444.2	1514.78	1222.1	757.39
load	N_1200150154	constant_power_A_real	2444.2	0.0	1222.1	0.0
load	N_1200150154	constant_power_B_real	2444.2	0.0	1222.1	0.0
load	N_1200150154	constant_power_C_real	2444.2	0.0	1222.1	0.0
load	N_1200150154	constant_power_A_reac	1514.78	0.0	757.39	0.0
load	N_1200150154	constant_power_B_reac	1514.78	0.0	757.39	0.0
load	N_1200150154	constant_power_C_reac	1514.78	0.0	757.39	0.0
load	N_1200157012	constant_power_A	1524.92	501.218	762.46	250.609
load	N_1200157012	constant_power_B	1524.92	501.218	762.46	250.609
load	N_1200157012	constant_power_C	1524.92	501.218	762.46	250.609
load	N_1200157012	constant_power_A_real	1524.92	0.0	762.46	0.0
load	N_1200157012	constant_power_B_real	1524.92	0.0	762.46	0.0
load	N_1200157012	constant_power_C_real	1524.92	0.0	762.46	0.0
load	N_1200157012	constant_power_A_reac	501.218	0.0	250.609	0.0
load	N_1200157012	constant_power_B_reac	501.218	0.0	250.609	0.0
load	N_1200157012	constant_power_C_reac	501.218	0.0	250.609	0.0
load	N_1200157013	constant_power_A	6105.1	3783.6	3052.55	1891.8
load	N_1200157013	constant_power_B	6105.1	3783.6	3052.55	1891.8
load	N_1200157013	constant_power_C	6105.1	3783.6	3052.55	1891.8
load	N_1200157013	constant_power_A_real	6105.1	0.0	3052.55	0.0
load	N_1200157013	constant_power_B_real	6105.1	0.0	3052.55	0.0
load	N_1200157013	constant_power_C_real	6105.1	0.0	3052.55	0.0
load	N_1200157013	constant_power_A_reac	3783.6	0.0	1891.8	0.0
load	N_1200157013	constant_power_B_reac	3783.6	0.0	1891.8	0.0
load	N_1200157013	constant_power_C_reac	3783.6	0.0	1891.8	0.0
load	N_1200157016	constant_power_A	102.743	63.6744	51.3715	31.8372
load	N_1200157016	constant_power_B	102.743	63.6744	51.3715	31.8372
load	N_1200157016	constant_power_C	102.743	63.6744	51.3715	31.8372
load	N_1200157016	constant_power_A_real	102.743	0.0	51.3715	0.0
load	N_1200157016	constant_power_B_real	102.743	0.0	51.3715	0.0
load	N_1200157016	constant_power_C_real	102.743	0.0	51.3715	0.0
load	N_1200157016	constant_power_A_reac	63.6744	0.0	31.8372	0.0
load	N_1200157016	constant_power_B_reac	63.6744	0.0	31.8372	0.0
load	N_1200157016	constant_power_C_reac	63.6744	0.0	31.8372	0.0
load	N_1200156874	constant_power_A	1308.62	430.123	654.31	215.0615
load	N_1200156874	constant_power_B	1308.62	430.123	654.31	215.0615
load	N_1200156874	constant_power_C	1308.62	430.123	654.31	215.0615
load	N_1200156874	constant_power_A_real	1308.62	0.0	654.31	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156874	constant_power_B_real	1308.62	0.0	654.31	0.0
load	N_1200156874	constant_power_C_real	1308.62	0.0	654.31	0.0
load	N_1200156874	constant_power_A_reac	430.123	0.0	215.0615	0.0
load	N_1200156874	constant_power_B_reac	430.123	0.0	215.0615	0.0
load	N_1200156874	constant_power_C_reac	430.123	0.0	215.0615	0.0
load	N_1200101938	constant_power_A	2309.01	758.936	1154.505	379.468
load	N_1200101938	constant_power_B	2309.01	758.936	1154.505	379.468
load	N_1200101938	constant_power_C	2309.01	758.936	1154.505	379.468
load	N_1200101938	constant_power_A_real	2309.01	0.0	1154.505	0.0
load	N_1200101938	constant_power_B_real	2309.01	0.0	1154.505	0.0
load	N_1200101938	constant_power_C_real	2309.01	0.0	1154.505	0.0
load	N_1200101938	constant_power_A_reac	758.936	0.0	379.468	0.0
load	N_1200101938	constant_power_B_reac	758.936	0.0	379.468	0.0
load	N_1200101938	constant_power_C_reac	758.936	0.0	379.468	0.0
load	N_1200090577	constant_power_A	4401.73	1446.78	2200.865	723.39
load	N_1200090577	constant_power_B	4401.73	1446.78	2200.865	723.39
load	N_1200090577	constant_power_C	4401.73	1446.78	2200.865	723.39
load	N_1200090577	constant_power_A_real	4401.73	0.0	2200.865	0.0
load	N_1200090577	constant_power_B_real	4401.73	0.0	2200.865	0.0
load	N_1200090577	constant_power_C_real	4401.73	0.0	2200.865	0.0
load	N_1200090577	constant_power_A_reac	1446.78	0.0	723.39	0.0
load	N_1200090577	constant_power_B_reac	1446.78	0.0	723.39	0.0
load	N_1200090577	constant_power_C_reac	1446.78	0.0	723.39	0.0
load	N_1200096124	constant_power_A	4082.68	1589.02	2041.34	794.51
load	N_1200096124	constant_power_B	4082.68	1589.02	2041.34	794.51
load	N_1200096124	constant_power_C	4082.68	1589.02	2041.34	794.51
load	N_1200096124	constant_power_A_real	4082.68	0.0	2041.34	0.0
load	N_1200096124	constant_power_B_real	4082.68	0.0	2041.34	0.0
load	N_1200096124	constant_power_C_real	4082.68	0.0	2041.34	0.0
load	N_1200096124	constant_power_A_reac	1589.02	0.0	794.51	0.0
load	N_1200096124	constant_power_B_reac	1589.02	0.0	794.51	0.0
load	N_1200096124	constant_power_C_reac	1589.02	0.0	794.51	0.0
load	N_1200100110	constant_power_A	17433.9	5730.23	8716.95	2865.115
load	N_1200100110	constant_power_B	17433.9	5730.23	8716.95	2865.115
load	N_1200100110	constant_power_C	17433.9	5730.23	8716.95	2865.115
load	N_1200100110	constant_power_A_real	17433.9	0.0	8716.95	0.0
load	N_1200100110	constant_power_B_real	17433.9	0.0	8716.95	0.0
load	N_1200100110	constant_power_C_real	17433.9	0.0	8716.95	0.0
load	N_1200100110	constant_power_A_reac	5730.23	0.0	2865.115	0.0
load	N_1200100110	constant_power_B_reac	5730.23	0.0	2865.115	0.0
load	N_1200100110	constant_power_C_reac	5730.23	0.0	2865.115	0.0
load	N_1200100442	constant_power_A	3731.19	1226.38	1865.595	613.19
load	N_1200100442	constant_power_B	3731.19	1226.38	1865.595	613.19
load	N_1200100442	constant_power_C	3731.19	1226.38	1865.595	613.19
load	N_1200100442	constant_power_A_real	3731.19	0.0	1865.595	0.0
load	N_1200100442	constant_power_B_real	3731.19	0.0	1865.595	0.0
load	N_1200100442	constant_power_C_real	3731.19	0.0	1865.595	0.0
load	N_1200100442	constant_power_A_reac	1226.38	0.0	613.19	0.0
load	N_1200100442	constant_power_B_reac	1226.38	0.0	613.19	0.0
load	N_1200100442	constant_power_C_reac	1226.38	0.0	613.19	0.0
load	N_1200100441	constant_power_A	4774.85	1569.42	2387.425	784.71
load	N_1200100441	constant_power_B	4774.85	1569.42	2387.425	784.71
load	N_1200100441	constant_power_C	4774.85	1569.42	2387.425	784.71
load	N_1200100441	constant_power_A_real	4774.85	0.0	2387.425	0.0
load	N_1200100441	constant_power_B_real	4774.85	0.0	2387.425	0.0
load	N_1200100441	constant_power_C_real	4774.85	0.0	2387.425	0.0
load	N_1200100441	constant_power_A_reac	1569.42	0.0	784.71	0.0
load	N_1200100441	constant_power_B_reac	1569.42	0.0	784.71	0.0
load	N_1200100441	constant_power_C_reac	1569.42	0.0	784.71	0.0
load	N_1200100440	constant_power_A	30666.7	19005.5	15333.35	9502.75
load	N_1200100440	constant_power_B	30666.7	19005.5	15333.35	9502.75
load	N_1200100440	constant_power_C	30666.7	19005.5	15333.35	9502.75
load	N_1200100440	constant_power_A_real	30666.7	0.0	15333.35	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200100440	constant_power_B_real	30666.7	0.0	15333.35	0.0
load	N_1200100440	constant_power_C_real	30666.7	0.0	15333.35	0.0
load	N_1200100440	constant_power_A_reac	19005.5	0.0	9502.75	0.0
load	N_1200100440	constant_power_B_reac	19005.5	0.0	9502.75	0.0
load	N_1200100440	constant_power_C_reac	19005.5	0.0	9502.75	0.0
load	N_1200090224	constant_power_A	6159.17	3817.11	3079.585	1908.555
load	N_1200090224	constant_power_B	6159.17	3817.11	3079.585	1908.555
load	N_1200090224	constant_power_C	6159.17	3817.11	3079.585	1908.555
load	N_1200090224	constant_power_A_real	6159.17	0.0	3079.585	0.0
load	N_1200090224	constant_power_B_real	6159.17	0.0	3079.585	0.0
load	N_1200090224	constant_power_C_real	6159.17	0.0	3079.585	0.0
load	N_1200090224	constant_power_A_reac	3817.11	0.0	1908.555	0.0
load	N_1200090224	constant_power_B_reac	3817.11	0.0	1908.555	0.0
load	N_1200090224	constant_power_C_reac	3817.11	0.0	1908.555	0.0
load	N_1200156849	constant_power_A	5591.38	2141.56	2795.69	1070.78
load	N_1200156849	constant_power_B	5591.38	2141.56	2795.69	1070.78
load	N_1200156849	constant_power_C	5591.38	2141.56	2795.69	1070.78
load	N_1200156849	constant_power_A_real	5591.38	0.0	2795.69	0.0
load	N_1200156849	constant_power_B_real	5591.38	0.0	2795.69	0.0
load	N_1200156849	constant_power_C_real	5591.38	0.0	2795.69	0.0
load	N_1200156849	constant_power_A_reac	2141.56	0.0	1070.78	0.0
load	N_1200156849	constant_power_B_reac	2141.56	0.0	1070.78	0.0
load	N_1200156849	constant_power_C_reac	2141.56	0.0	1070.78	0.0
load	N_1200090223	constant_power_A	2411.76	1494.67	1205.88	747.335
load	N_1200090223	constant_power_B	2411.76	1494.67	1205.88	747.335
load	N_1200090223	constant_power_C	2411.76	1494.67	1205.88	747.335
load	N_1200090223	constant_power_A_real	2411.76	0.0	1205.88	0.0
load	N_1200090223	constant_power_B_real	2411.76	0.0	1205.88	0.0
load	N_1200090223	constant_power_C_real	2411.76	0.0	1205.88	0.0
load	N_1200090223	constant_power_A_reac	1494.67	0.0	747.335	0.0
load	N_1200090223	constant_power_B_reac	1494.67	0.0	747.335	0.0
load	N_1200090223	constant_power_C_reac	1494.67	0.0	747.335	0.0
load	N_1200156844	constant_power_A	4174.61	1543.68	2087.305	771.84
load	N_1200156844	constant_power_B	4174.61	1543.68	2087.305	771.84
load	N_1200156844	constant_power_C	4174.61	1543.68	2087.305	771.84
load	N_1200156844	constant_power_A_real	4174.61	0.0	2087.305	0.0
load	N_1200156844	constant_power_B_real	4174.61	0.0	2087.305	0.0
load	N_1200156844	constant_power_C_real	4174.61	0.0	2087.305	0.0
load	N_1200156844	constant_power_A_reac	1543.68	0.0	771.84	0.0
load	N_1200156844	constant_power_B_reac	1543.68	0.0	771.84	0.0
load	N_1200156844	constant_power_C_reac	1543.68	0.0	771.84	0.0
load	N_1200156845	constant_power_A	1092.32	676.959	546.16	338.4795
load	N_1200156845	constant_power_B	1092.32	676.959	546.16	338.4795
load	N_1200156845	constant_power_C	1092.32	676.959	546.16	338.4795
load	N_1200156845	constant_power_A_real	1092.32	0.0	546.16	0.0
load	N_1200156845	constant_power_B_real	1092.32	0.0	546.16	0.0
load	N_1200156845	constant_power_C_real	1092.32	0.0	546.16	0.0
load	N_1200156845	constant_power_A_reac	676.959	0.0	338.4795	0.0
load	N_1200156845	constant_power_B_reac	676.959	0.0	338.4795	0.0
load	N_1200156845	constant_power_C_reac	676.959	0.0	338.4795	0.0
load	N_1200156846	constant_power_A	1833.15	1136.09	916.575	568.045
load	N_1200156846	constant_power_B	1833.15	1136.09	916.575	568.045
load	N_1200156846	constant_power_C	1833.15	1136.09	916.575	568.045
load	N_1200156846	constant_power_A_real	1833.15	0.0	916.575	0.0
load	N_1200156846	constant_power_B_real	1833.15	0.0	916.575	0.0
load	N_1200156846	constant_power_C_real	1833.15	0.0	916.575	0.0
load	N_1200156846	constant_power_A_reac	1136.09	0.0	568.045	0.0
load	N_1200156846	constant_power_B_reac	1136.09	0.0	568.045	0.0
load	N_1200156846	constant_power_C_reac	1136.09	0.0	568.045	0.0
load	N_1200156847	constant_power_A	4212.46	1384.57	2106.23	692.285
load	N_1200156847	constant_power_B	4212.46	1384.57	2106.23	692.285
load	N_1200156847	constant_power_C	4212.46	1384.57	2106.23	692.285
load	N_1200156847	constant_power_A_real	4212.46	0.0	2106.23	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156847	constant_power_B_real	4212.46	0.0	2106.23	0.0
load	N_1200156847	constant_power_C_real	4212.46	0.0	2106.23	0.0
load	N_1200156847	constant_power_A_reac	1384.57	0.0	692.285	0.0
load	N_1200156847	constant_power_B_reac	1384.57	0.0	692.285	0.0
load	N_1200156847	constant_power_C_reac	1384.57	0.0	692.285	0.0
load	N_1200156842	constant_power_A	3433.78	2128.06	1716.89	1064.03
load	N_1200156842	constant_power_B	3433.78	2128.06	1716.89	1064.03
load	N_1200156842	constant_power_C	3433.78	2128.06	1716.89	1064.03
load	N_1200156842	constant_power_A_real	3433.78	0.0	1716.89	0.0
load	N_1200156842	constant_power_B_real	3433.78	0.0	1716.89	0.0
load	N_1200156842	constant_power_C_real	3433.78	0.0	1716.89	0.0
load	N_1200156842	constant_power_A_reac	2128.06	0.0	1064.03	0.0
load	N_1200156842	constant_power_B_reac	2128.06	0.0	1064.03	0.0
load	N_1200156842	constant_power_C_reac	2128.06	0.0	1064.03	0.0
load	N_1200103474	constant_power_A	60015.4	19726.1	30007.7	9863.05
load	N_1200103474	constant_power_C	60015.4	19726.1	30007.7	9863.05
load	N_1200103474	constant_power_A_real	60015.4	0.0	30007.7	0.0
load	N_1200103474	constant_power_C_real	60015.4	0.0	30007.7	0.0
load	N_1200103474	constant_power_A_reac	19726.1	0.0	9863.05	0.0
load	N_1200103474	constant_power_C_reac	19726.1	0.0	9863.05	0.0
load	N_1200091292	constant_power_A	2974.14	977.552	1487.07	488.776
load	N_1200091292	constant_power_B	2974.14	977.552	1487.07	488.776
load	N_1200091292	constant_power_C	2974.14	977.552	1487.07	488.776
load	N_1200091292	constant_power_A_real	2974.14	0.0	1487.07	0.0
load	N_1200091292	constant_power_B_real	2974.14	0.0	1487.07	0.0
load	N_1200091292	constant_power_C_real	2974.14	0.0	1487.07	0.0
load	N_1200091292	constant_power_A_reac	977.552	0.0	488.776	0.0
load	N_1200091292	constant_power_B_reac	977.552	0.0	488.776	0.0
load	N_1200091292	constant_power_C_reac	977.552	0.0	488.776	0.0
load	N_1200157124	constant_power_A	1816.93	597.196	908.465	298.598
load	N_1200157124	constant_power_B	1816.93	597.196	908.465	298.598
load	N_1200157124	constant_power_C	1816.93	597.196	908.465	298.598
load	N_1200157124	constant_power_A_real	1816.93	0.0	908.465	0.0
load	N_1200157124	constant_power_B_real	1816.93	0.0	908.465	0.0
load	N_1200157124	constant_power_C_real	1816.93	0.0	908.465	0.0
load	N_1200157124	constant_power_A_reac	597.196	0.0	298.598	0.0
load	N_1200157124	constant_power_B_reac	597.196	0.0	298.598	0.0
load	N_1200157124	constant_power_C_reac	597.196	0.0	298.598	0.0
load	N_1200157125	constant_power_A	1600.63	526.101	800.315	263.0505
load	N_1200157125	constant_power_B	1600.63	526.101	800.315	263.0505
load	N_1200157125	constant_power_C	1600.63	526.101	800.315	263.0505
load	N_1200157125	constant_power_A_real	1600.63	0.0	800.315	0.0
load	N_1200157125	constant_power_B_real	1600.63	0.0	800.315	0.0
load	N_1200157125	constant_power_C_real	1600.63	0.0	800.315	0.0
load	N_1200157125	constant_power_A_reac	526.101	0.0	263.0505	0.0
load	N_1200157125	constant_power_B_reac	526.101	0.0	263.0505	0.0
load	N_1200157125	constant_power_C_reac	526.101	0.0	263.0505	0.0
load	N_1200157126	constant_power_A	7094.67	4396.88	3547.335	2198.44
load	N_1200157126	constant_power_B	7094.67	4396.88	3547.335	2198.44
load	N_1200157126	constant_power_C	7094.67	4396.88	3547.335	2198.44
load	N_1200157126	constant_power_A_real	7094.67	0.0	3547.335	0.0
load	N_1200157126	constant_power_B_real	7094.67	0.0	3547.335	0.0
load	N_1200157126	constant_power_C_real	7094.67	0.0	3547.335	0.0
load	N_1200157126	constant_power_A_reac	4396.88	0.0	2198.44	0.0
load	N_1200157126	constant_power_B_reac	4396.88	0.0	2198.44	0.0
load	N_1200157126	constant_power_C_reac	4396.88	0.0	2198.44	0.0
load	N_1200157127	constant_power_A	1216.69	754.039	608.345	377.0195
load	N_1200157127	constant_power_B	1216.69	754.039	608.345	377.0195
load	N_1200157127	constant_power_C	1216.69	754.039	608.345	377.0195
load	N_1200157127	constant_power_A_real	1216.69	0.0	608.345	0.0
load	N_1200157127	constant_power_B_real	1216.69	0.0	608.345	0.0
load	N_1200157127	constant_power_C_real	1216.69	0.0	608.345	0.0
load	N_1200157127	constant_power_A_reac	754.039	0.0	377.0195	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157127	constant_power_B_reac	754.039	0.0	377.0195	0.0
load	N_1200157127	constant_power_C_reac	754.039	0.0	377.0195	0.0
load	N_1200157122	constant_power_A	1460.03	479.889	730.015	239.9445
load	N_1200157122	constant_power_B	1460.03	479.889	730.015	239.9445
load	N_1200157122	constant_power_C	1460.03	479.889	730.015	239.9445
load	N_1200157122	constant_power_A_real	1460.03	0.0	730.015	0.0
load	N_1200157122	constant_power_B_real	1460.03	0.0	730.015	0.0
load	N_1200157122	constant_power_C_real	1460.03	0.0	730.015	0.0
load	N_1200157122	constant_power_A_reac	479.889	0.0	239.9445	0.0
load	N_1200157122	constant_power_B_reac	479.889	0.0	239.9445	0.0
load	N_1200157122	constant_power_C_reac	479.889	0.0	239.9445	0.0
load	N_1200105423	constant_power_A	8451.96	5238.06	4225.98	2619.03
load	N_1200105423	constant_power_B	8451.96	5238.06	4225.98	2619.03
load	N_1200105423	constant_power_C	8451.96	5238.06	4225.98	2619.03
load	N_1200105423	constant_power_A_real	8451.96	0.0	4225.98	0.0
load	N_1200105423	constant_power_B_real	8451.96	0.0	4225.98	0.0
load	N_1200105423	constant_power_C_real	8451.96	0.0	4225.98	0.0
load	N_1200105423	constant_power_A_reac	5238.06	0.0	2619.03	0.0
load	N_1200105423	constant_power_B_reac	5238.06	0.0	2619.03	0.0
load	N_1200105423	constant_power_C_reac	5238.06	0.0	2619.03	0.0
load	N_1200057364	constant_power_A	8543.89	4078.39	4271.945	2039.195
load	N_1200057364	constant_power_B	8543.89	4078.39	4271.945	2039.195
load	N_1200057364	constant_power_C	8543.89	4078.39	4271.945	2039.195
load	N_1200057364	constant_power_A_real	8543.89	0.0	4271.945	0.0
load	N_1200057364	constant_power_B_real	8543.89	0.0	4271.945	0.0
load	N_1200057364	constant_power_C_real	8543.89	0.0	4271.945	0.0
load	N_1200057364	constant_power_A_reac	4078.39	0.0	2039.195	0.0
load	N_1200057364	constant_power_B_reac	4078.39	0.0	2039.195	0.0
load	N_1200057364	constant_power_C_reac	4078.39	0.0	2039.195	0.0
load	N_1200057367	constant_power_A	237.931	78.2041	118.9655	39.10205
load	N_1200057367	constant_power_B	237.931	78.2041	118.9655	39.10205
load	N_1200057367	constant_power_C	237.931	78.2041	118.9655	39.10205
load	N_1200057367	constant_power_A_real	237.931	0.0	118.9655	0.0
load	N_1200057367	constant_power_B_real	237.931	0.0	118.9655	0.0
load	N_1200057367	constant_power_C_real	237.931	0.0	118.9655	0.0
load	N_1200057367	constant_power_A_reac	78.2041	0.0	39.10205	0.0
load	N_1200057367	constant_power_B_reac	78.2041	0.0	39.10205	0.0
load	N_1200057367	constant_power_C_reac	78.2041	0.0	39.10205	0.0
load	N_1200057405	constant_power_A	10674.5	6615.43	5337.25	3307.715
load	N_1200057405	constant_power_B	10674.5	6615.43	5337.25	3307.715
load	N_1200057405	constant_power_C	10674.5	6615.43	5337.25	3307.715
load	N_1200057405	constant_power_A_real	10674.5	0.0	5337.25	0.0
load	N_1200057405	constant_power_B_real	10674.5	0.0	5337.25	0.0
load	N_1200057405	constant_power_C_real	10674.5	0.0	5337.25	0.0
load	N_1200057405	constant_power_A_reac	6615.43	0.0	3307.715	0.0
load	N_1200057405	constant_power_B_reac	6615.43	0.0	3307.715	0.0
load	N_1200057405	constant_power_C_reac	6615.43	0.0	3307.715	0.0
load	N_1200157308	constant_power_A	1557.37	965.17	778.685	482.585
load	N_1200157308	constant_power_B	1557.37	965.17	778.685	482.585
load	N_1200157308	constant_power_C	1557.37	965.17	778.685	482.585
load	N_1200157308	constant_power_A_real	1557.37	0.0	778.685	0.0
load	N_1200157308	constant_power_B_real	1557.37	0.0	778.685	0.0
load	N_1200157308	constant_power_C_real	1557.37	0.0	778.685	0.0
load	N_1200157308	constant_power_A_reac	965.17	0.0	482.585	0.0
load	N_1200157308	constant_power_B_reac	965.17	0.0	482.585	0.0
load	N_1200157308	constant_power_C_reac	965.17	0.0	482.585	0.0
load	N_1200057221	constant_power_A	15141.1	9035.76	7570.55	4517.88
load	N_1200057221	constant_power_B	15141.1	9035.76	7570.55	4517.88
load	N_1200057221	constant_power_C	15141.1	9035.76	7570.55	4517.88
load	N_1200057221	constant_power_A_real	15141.1	0.0	7570.55	0.0
load	N_1200057221	constant_power_B_real	15141.1	0.0	7570.55	0.0
load	N_1200057221	constant_power_C_real	15141.1	0.0	7570.55	0.0
load	N_1200057221	constant_power_A_reac	9035.76	0.0	4517.88	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200057221	constant_power_B_reac	9035.76	0.0	4517.88	0.0
load	N_1200057221	constant_power_C_reac	9035.76	0.0	4517.88	0.0
load	N_1200157463	constant_power_A	2400.94	1487.97	1200.47	743.985
load	N_1200157463	constant_power_B	2400.94	1487.97	1200.47	743.985
load	N_1200157463	constant_power_C	2400.94	1487.97	1200.47	743.985
load	N_1200157463	constant_power_A_real	2400.94	0.0	1200.47	0.0
load	N_1200157463	constant_power_B_real	2400.94	0.0	1200.47	0.0
load	N_1200157463	constant_power_C_real	2400.94	0.0	1200.47	0.0
load	N_1200157463	constant_power_A_reac	1487.97	0.0	743.985	0.0
load	N_1200157463	constant_power_B_reac	1487.97	0.0	743.985	0.0
load	N_1200157463	constant_power_C_reac	1487.97	0.0	743.985	0.0
load	N_1200157465	constant_power_A	54.0753	33.5129	27.03765	16.75645
load	N_1200157465	constant_power_B	54.0753	33.5129	27.03765	16.75645
load	N_1200157465	constant_power_C	54.0753	33.5129	27.03765	16.75645
load	N_1200157465	constant_power_A_real	54.0753	0.0	27.03765	0.0
load	N_1200157465	constant_power_B_real	54.0753	0.0	27.03765	0.0
load	N_1200157465	constant_power_C_real	54.0753	0.0	27.03765	0.0
load	N_1200157465	constant_power_A_reac	33.5129	0.0	16.75645	0.0
load	N_1200157465	constant_power_B_reac	33.5129	0.0	16.75645	0.0
load	N_1200157465	constant_power_C_reac	33.5129	0.0	16.75645	0.0
load	N_1200157466	constant_power_A	6326.81	2095.26	3163.405	1047.63
load	N_1200157466	constant_power_B	6326.81	2095.26	3163.405	1047.63
load	N_1200157466	constant_power_C	6326.81	2095.26	3163.405	1047.63
load	N_1200157466	constant_power_A_real	6326.81	0.0	3163.405	0.0
load	N_1200157466	constant_power_B_real	6326.81	0.0	3163.405	0.0
load	N_1200157466	constant_power_C_real	6326.81	0.0	3163.405	0.0
load	N_1200157466	constant_power_A_reac	2095.26	0.0	1047.63	0.0
load	N_1200157466	constant_power_B_reac	2095.26	0.0	1047.63	0.0
load	N_1200157466	constant_power_C_reac	2095.26	0.0	1047.63	0.0
load	N_1200157469	constant_power_A	6010.47	1975.54	3005.235	987.77
load	N_1200157469	constant_power_B	6010.47	1975.54	3005.235	987.77
load	N_1200157469	constant_power_A_real	6010.47	0.0	3005.235	0.0
load	N_1200157469	constant_power_B_real	6010.47	0.0	3005.235	0.0
load	N_1200157469	constant_power_A_reac	1975.54	0.0	987.77	0.0
load	N_1200157469	constant_power_B_reac	1975.54	0.0	987.77	0.0
load	N_1200157468	constant_power_A	3114.74	1023.76	1557.37	511.88
load	N_1200157468	constant_power_B	3114.74	1023.76	1557.37	511.88
load	N_1200157468	constant_power_A_real	3114.74	0.0	1557.37	0.0
load	N_1200157468	constant_power_B_real	3114.74	0.0	1557.37	0.0
load	N_1200157468	constant_power_A_reac	1023.76	0.0	511.88	0.0
load	N_1200157468	constant_power_B_reac	1023.76	0.0	511.88	0.0
load	N_1200093679	constant_power_A	30249.7	9942.6	15124.85	4971.3
load	N_1200093679	constant_power_B	30249.7	9942.6	15124.85	4971.3
load	N_1200093679	constant_power_C	30249.7	9942.6	15124.85	4971.3
load	N_1200093679	constant_power_A_real	30249.7	0.0	15124.85	0.0
load	N_1200093679	constant_power_B_real	30249.7	0.0	15124.85	0.0
load	N_1200093679	constant_power_C_real	30249.7	0.0	15124.85	0.0
load	N_1200093679	constant_power_A_reac	9942.6	0.0	4971.3	0.0
load	N_1200093679	constant_power_B_reac	9942.6	0.0	4971.3	0.0
load	N_1200093679	constant_power_C_reac	9942.6	0.0	4971.3	0.0
load	N_1200157309	constant_power_A	1568.18	515.437	784.09	257.7185
load	N_1200157309	constant_power_B	1568.18	515.437	784.09	257.7185
load	N_1200157309	constant_power_C	1568.18	515.437	784.09	257.7185
load	N_1200157309	constant_power_A_real	1568.18	0.0	784.09	0.0
load	N_1200157309	constant_power_B_real	1568.18	0.0	784.09	0.0
load	N_1200157309	constant_power_C_real	1568.18	0.0	784.09	0.0
load	N_1200157309	constant_power_A_reac	515.437	0.0	257.7185	0.0
load	N_1200157309	constant_power_B_reac	515.437	0.0	257.7185	0.0
load	N_1200157309	constant_power_C_reac	515.437	0.0	257.7185	0.0
load	N_1200097966	constant_power_A	32000.0	19831.8	16000.0	9915.9
load	N_1200097966	constant_power_B	32000.0	19831.8	16000.0	9915.9
load	N_1200097966	constant_power_C	32000.0	19831.8	16000.0	9915.9
load	N_1200097966	constant_power_A_real	32000.0	0.0	16000.0	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200097966	constant_power_B_real	32000.0	0.0	16000.0	0.0
load	N_1200097966	constant_power_C_real	32000.0	0.0	16000.0	0.0
load	N_1200097966	constant_power_A_reac	19831.8	0.0	9915.9	0.0
load	N_1200097966	constant_power_B_reac	19831.8	0.0	9915.9	0.0
load	N_1200097966	constant_power_C_reac	19831.8	0.0	9915.9	0.0
load	N_1200157263	constant_power_A	16401.0	10164.4	8200.5	5082.2
load	N_1200157263	constant_power_B	16401.0	10164.4	8200.5	5082.2
load	N_1200157263	constant_power_A_real	16401.0	0.0	8200.5	0.0
load	N_1200157263	constant_power_B_real	16401.0	0.0	8200.5	0.0
load	N_1200157263	constant_power_A_reac	10164.4	0.0	5082.2	0.0
load	N_1200157263	constant_power_B_reac	10164.4	0.0	5082.2	0.0
load	N_1200157261	constant_power_A	4444.99	1734.86	2222.495	867.43
load	N_1200157261	constant_power_B	4444.99	1734.86	2222.495	867.43
load	N_1200157261	constant_power_A_real	4444.99	0.0	2222.495	0.0
load	N_1200157261	constant_power_B_real	4444.99	0.0	2222.495	0.0
load	N_1200157261	constant_power_A_reac	1734.86	0.0	867.43	0.0
load	N_1200157261	constant_power_B_reac	1734.86	0.0	867.43	0.0
load	N_1200157269	constant_power_A	3341.85	1120.45	1670.925	560.225
load	N_1200157269	constant_power_B	3341.85	1120.45	1670.925	560.225
load	N_1200157269	constant_power_C	3341.85	1120.45	1670.925	560.225
load	N_1200157269	constant_power_A_real	3341.85	0.0	1670.925	0.0
load	N_1200157269	constant_power_B_real	3341.85	0.0	1670.925	0.0
load	N_1200157269	constant_power_C_real	3341.85	0.0	1670.925	0.0
load	N_1200157269	constant_power_A_reac	1120.45	0.0	560.225	0.0
load	N_1200157269	constant_power_B_reac	1120.45	0.0	560.225	0.0
load	N_1200157269	constant_power_C_reac	1120.45	0.0	560.225	0.0
load	N_1200157268	constant_power_A	2471.24	1531.54	1235.62	765.77
load	N_1200157268	constant_power_B	2471.24	1531.54	1235.62	765.77
load	N_1200157268	constant_power_C	2471.24	1531.54	1235.62	765.77
load	N_1200157268	constant_power_A_real	2471.24	0.0	1235.62	0.0
load	N_1200157268	constant_power_B_real	2471.24	0.0	1235.62	0.0
load	N_1200157268	constant_power_C_real	2471.24	0.0	1235.62	0.0
load	N_1200157268	constant_power_A_reac	1531.54	0.0	765.77	0.0
load	N_1200157268	constant_power_B_reac	1531.54	0.0	765.77	0.0
load	N_1200157268	constant_power_C_reac	1531.54	0.0	765.77	0.0
load	N_1200030606	constant_power_A	21381.4	7027.71	10690.7	3513.855
load	N_1200030606	constant_power_B	21381.4	7027.71	10690.7	3513.855
load	N_1200030606	constant_power_A_real	21381.4	0.0	10690.7	0.0
load	N_1200030606	constant_power_B_real	21381.4	0.0	10690.7	0.0
load	N_1200030606	constant_power_A_reac	7027.71	0.0	3513.855	0.0
load	N_1200030606	constant_power_B_reac	7027.71	0.0	3513.855	0.0
load	N_1200087307	constant_power_A	30530.9	18921.3	15265.45	9460.65
load	N_1200087307	constant_power_B	30530.9	18921.3	15265.45	9460.65
load	N_1200087307	constant_power_C	30530.9	18921.3	15265.45	9460.65
load	N_1200087307	constant_power_A_real	30530.9	0.0	15265.45	0.0
load	N_1200087307	constant_power_B_real	30530.9	0.0	15265.45	0.0
load	N_1200087307	constant_power_C_real	30530.9	0.0	15265.45	0.0
load	N_1200087307	constant_power_A_reac	18921.3	0.0	9460.65	0.0
load	N_1200087307	constant_power_B_reac	18921.3	0.0	9460.65	0.0
load	N_1200087307	constant_power_C_reac	18921.3	0.0	9460.65	0.0
load	N_1200101085	constant_power_B	15906.2	5228.13	7953.1	2614.065
load	N_1200101085	constant_power_C	15906.2	5228.13	7953.1	2614.065
load	N_1200101085	constant_power_B_real	15906.2	0.0	7953.1	0.0
load	N_1200101085	constant_power_C_real	15906.2	0.0	7953.1	0.0
load	N_1200101085	constant_power_B_reac	5228.13	0.0	2614.065	0.0
load	N_1200101085	constant_power_C_reac	5228.13	0.0	2614.065	0.0
load	N_1200101086	constant_power_B	24536.6	8064.81	12268.3	4032.405
load	N_1200101086	constant_power_C	24536.6	8064.81	12268.3	4032.405
load	N_1200101086	constant_power_B_real	24536.6	0.0	12268.3	0.0
load	N_1200101086	constant_power_C_real	24536.6	0.0	12268.3	0.0
load	N_1200101086	constant_power_B_reac	8064.81	0.0	4032.405	0.0
load	N_1200101086	constant_power_C_reac	8064.81	0.0	4032.405	0.0
load	N_1200156861	constant_power_A	3363.48	1646.95	1681.74	823.475

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156861	constant_power_B	3363.48	1646.95	1681.74	823.475
load	N_1200156861	constant_power_C	3363.48	1646.95	1681.74	823.475
load	N_1200156861	constant_power_A_real	3363.48	0.0	1681.74	0.0
load	N_1200156861	constant_power_B_real	3363.48	0.0	1681.74	0.0
load	N_1200156861	constant_power_C_real	3363.48	0.0	1681.74	0.0
load	N_1200156861	constant_power_A_reac	1646.95	0.0	823.475	0.0
load	N_1200156861	constant_power_B_reac	1646.95	0.0	823.475	0.0
load	N_1200156861	constant_power_C_reac	1646.95	0.0	823.475	0.0
load	N_1200058625	constant_power_A	5423.75	2557.07	2711.875	1278.535
load	N_1200058625	constant_power_B	5423.75	2557.07	2711.875	1278.535
load	N_1200058625	constant_power_C	5423.75	2557.07	2711.875	1278.535
load	N_1200058625	constant_power_A_real	5423.75	0.0	2711.875	0.0
load	N_1200058625	constant_power_B_real	5423.75	0.0	2711.875	0.0
load	N_1200058625	constant_power_C_real	5423.75	0.0	2711.875	0.0
load	N_1200058625	constant_power_A_reac	2557.07	0.0	1278.535	0.0
load	N_1200058625	constant_power_B_reac	2557.07	0.0	1278.535	0.0
load	N_1200058625	constant_power_C_reac	2557.07	0.0	1278.535	0.0
load	N_1200157051	constant_power_A	4931.66	1620.96	2465.83	810.48
load	N_1200157051	constant_power_B	4931.66	1620.96	2465.83	810.48
load	N_1200157051	constant_power_C	4931.66	1620.96	2465.83	810.48
load	N_1200157051	constant_power_A_real	4931.66	0.0	2465.83	0.0
load	N_1200157051	constant_power_B_real	4931.66	0.0	2465.83	0.0
load	N_1200157051	constant_power_C_real	4931.66	0.0	2465.83	0.0
load	N_1200157051	constant_power_A_reac	1620.96	0.0	810.48	0.0
load	N_1200157051	constant_power_B_reac	1620.96	0.0	810.48	0.0
load	N_1200157051	constant_power_C_reac	1620.96	0.0	810.48	0.0
load	N_1200065383	constant_power_A	1503.29	931.657	751.645	465.8285
load	N_1200065383	constant_power_B	1503.29	931.657	751.645	465.8285
load	N_1200065383	constant_power_C	1503.29	931.657	751.645	465.8285
load	N_1200065383	constant_power_A_real	1503.29	0.0	751.645	0.0
load	N_1200065383	constant_power_B_real	1503.29	0.0	751.645	0.0
load	N_1200065383	constant_power_C_real	1503.29	0.0	751.645	0.0
load	N_1200065383	constant_power_A_reac	931.657	0.0	465.8285	0.0
load	N_1200065383	constant_power_B_reac	931.657	0.0	465.8285	0.0
load	N_1200065383	constant_power_C_reac	931.657	0.0	465.8285	0.0
load	N_1200065386	constant_power_A	5199.34	1708.94	2599.67	854.47
load	N_1200065386	constant_power_B	5199.34	1708.94	2599.67	854.47
load	N_1200065386	constant_power_A_real	5199.34	0.0	2599.67	0.0
load	N_1200065386	constant_power_B_real	5199.34	0.0	2599.67	0.0
load	N_1200065386	constant_power_A_reac	1708.94	0.0	854.47	0.0
load	N_1200065386	constant_power_B_reac	1708.94	0.0	854.47	0.0
load	N_1200109370	constant_power_A	23063.1	14293.2	11531.55	7146.6
load	N_1200109370	constant_power_B	23063.1	14293.2	11531.55	7146.6
load	N_1200109370	constant_power_C	23063.1	14293.2	11531.55	7146.6
load	N_1200109370	constant_power_A_real	23063.1	0.0	11531.55	0.0
load	N_1200109370	constant_power_B_real	23063.1	0.0	11531.55	0.0
load	N_1200109370	constant_power_C_real	23063.1	0.0	11531.55	0.0
load	N_1200109370	constant_power_A_reac	14293.2	0.0	7146.6	0.0
load	N_1200109370	constant_power_B_reac	14293.2	0.0	7146.6	0.0
load	N_1200109370	constant_power_C_reac	14293.2	0.0	7146.6	0.0
load	N_1200150521	constant_power_A	4947.89	1626.29	2473.945	813.145
load	N_1200150521	constant_power_B	4947.89	1626.29	2473.945	813.145
load	N_1200150521	constant_power_A_real	4947.89	0.0	2473.945	0.0
load	N_1200150521	constant_power_B_real	4947.89	0.0	2473.945	0.0
load	N_1200150521	constant_power_A_reac	1626.29	0.0	813.145	0.0
load	N_1200150521	constant_power_B_reac	1626.29	0.0	813.145	0.0
load	N_1200111288	constant_power_A	1092.32	532.159	546.16	266.0795
load	N_1200111288	constant_power_B	1092.32	532.159	546.16	266.0795
load	N_1200111288	constant_power_C	1092.32	532.159	546.16	266.0795
load	N_1200111288	constant_power_A_real	1092.32	0.0	546.16	0.0
load	N_1200111288	constant_power_B_real	1092.32	0.0	546.16	0.0
load	N_1200111288	constant_power_C_real	1092.32	0.0	546.16	0.0
load	N_1200111288	constant_power_A_reac	532.159	0.0	266.0795	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200111288	constant_power_B_reac	532.159	0.0	266.0795	0.0
load	N_1200111288	constant_power_C_reac	532.159	0.0	266.0795	0.0
load	N_1200156656	constant_power_A	1573.59	532.953	786.795	266.4765
load	N_1200156656	constant_power_B	1573.59	532.953	786.795	266.4765
load	N_1200156656	constant_power_C	1573.59	532.953	786.795	266.4765
load	N_1200156656	constant_power_A_real	1573.59	0.0	786.795	0.0
load	N_1200156656	constant_power_B_real	1573.59	0.0	786.795	0.0
load	N_1200156656	constant_power_C_real	1573.59	0.0	786.795	0.0
load	N_1200156656	constant_power_A_reac	532.953	0.0	266.4765	0.0
load	N_1200156656	constant_power_B_reac	532.953	0.0	266.4765	0.0
load	N_1200156656	constant_power_C_reac	532.953	0.0	266.4765	0.0
load	N_1200157392	constant_power_A	1762.85	579.422	881.425	289.711
load	N_1200157392	constant_power_B	1762.85	579.422	881.425	289.711
load	N_1200157392	constant_power_C	1762.85	579.422	881.425	289.711
load	N_1200157392	constant_power_A_real	1762.85	0.0	881.425	0.0
load	N_1200157392	constant_power_B_real	1762.85	0.0	881.425	0.0
load	N_1200157392	constant_power_C_real	1762.85	0.0	881.425	0.0
load	N_1200157392	constant_power_A_reac	579.422	0.0	289.711	0.0
load	N_1200157392	constant_power_B_reac	579.422	0.0	289.711	0.0
load	N_1200157392	constant_power_C_reac	579.422	0.0	289.711	0.0
load	N_1200157396	constant_power_A	1654.7	543.875	827.35	271.9375
load	N_1200157396	constant_power_B	1654.7	543.875	827.35	271.9375
load	N_1200157396	constant_power_C	1654.7	543.875	827.35	271.9375
load	N_1200157396	constant_power_A_real	1654.7	0.0	827.35	0.0
load	N_1200157396	constant_power_B_real	1654.7	0.0	827.35	0.0
load	N_1200157396	constant_power_C_real	1654.7	0.0	827.35	0.0
load	N_1200157396	constant_power_A_reac	543.875	0.0	271.9375	0.0
load	N_1200157396	constant_power_B_reac	543.875	0.0	271.9375	0.0
load	N_1200157396	constant_power_C_reac	543.875	0.0	271.9375	0.0
load	N_1200157395	constant_power_A	2065.67	678.954	1032.835	339.477
load	N_1200157395	constant_power_B	2065.67	678.954	1032.835	339.477
load	N_1200157395	constant_power_C	2065.67	678.954	1032.835	339.477
load	N_1200157395	constant_power_A_real	2065.67	0.0	1032.835	0.0
load	N_1200157395	constant_power_B_real	2065.67	0.0	1032.835	0.0
load	N_1200157395	constant_power_C_real	2065.67	0.0	1032.835	0.0
load	N_1200157395	constant_power_A_reac	678.954	0.0	339.477	0.0
load	N_1200157395	constant_power_B_reac	678.954	0.0	339.477	0.0
load	N_1200157395	constant_power_C_reac	678.954	0.0	339.477	0.0
load	N_1200157394	constant_power_A	9100.87	3872.7	4550.435	1936.35
load	N_1200157394	constant_power_B	9100.87	3872.7	4550.435	1936.35
load	N_1200157394	constant_power_C	9100.87	3872.7	4550.435	1936.35
load	N_1200157394	constant_power_A_real	9100.87	0.0	4550.435	0.0
load	N_1200157394	constant_power_B_real	9100.87	0.0	4550.435	0.0
load	N_1200157394	constant_power_C_real	9100.87	0.0	4550.435	0.0
load	N_1200157394	constant_power_A_reac	3872.7	0.0	1936.35	0.0
load	N_1200157394	constant_power_B_reac	3872.7	0.0	1936.35	0.0
load	N_1200157394	constant_power_C_reac	3872.7	0.0	1936.35	0.0
load	N_1200157398	constant_power_A	27178.2	16843.6	13589.1	8421.8
load	N_1200157398	constant_power_B	27178.2	16843.6	13589.1	8421.8
load	N_1200157398	constant_power_C	27178.2	16843.6	13589.1	8421.8
load	N_1200157398	constant_power_A_real	27178.2	0.0	13589.1	0.0
load	N_1200157398	constant_power_B_real	27178.2	0.0	13589.1	0.0
load	N_1200157398	constant_power_C_real	27178.2	0.0	13589.1	0.0
load	N_1200157398	constant_power_A_reac	16843.6	0.0	8421.8	0.0
load	N_1200157398	constant_power_B_reac	16843.6	0.0	8421.8	0.0
load	N_1200157398	constant_power_C_reac	16843.6	0.0	8421.8	0.0
load	N_1200157064	constant_power_A	816.536	268.383	408.268	134.1915
load	N_1200157064	constant_power_B	816.536	268.383	408.268	134.1915
load	N_1200157064	constant_power_C	816.536	268.383	408.268	134.1915
load	N_1200157064	constant_power_A_real	816.536	0.0	408.268	0.0
load	N_1200157064	constant_power_B_real	816.536	0.0	408.268	0.0
load	N_1200157064	constant_power_C_real	816.536	0.0	408.268	0.0
load	N_1200157064	constant_power_A_reac	268.383	0.0	134.1915	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157064	constant_power_B_reac	268.383	0.0	134.1915	0.0
load	N_1200157064	constant_power_C_reac	268.383	0.0	134.1915	0.0
load	N_1200157196	constant_power_A	3885.31	1310.09	1942.655	655.045
load	N_1200157196	constant_power_B	3885.31	1310.09	1942.655	655.045
load	N_1200157196	constant_power_A_real	3885.31	0.0	1942.655	0.0
load	N_1200157196	constant_power_B_real	3885.31	0.0	1942.655	0.0
load	N_1200157196	constant_power_A_reac	1310.09	0.0	655.045	0.0
load	N_1200157196	constant_power_B_reac	1310.09	0.0	655.045	0.0
load	N_1200157193	constant_power_A	4956.0	1662.01	2478.0	831.005
load	N_1200157193	constant_power_B	4956.0	1662.01	2478.0	831.005
load	N_1200157193	constant_power_A_real	4956.0	0.0	2478.0	0.0
load	N_1200157193	constant_power_B_real	4956.0	0.0	2478.0	0.0
load	N_1200157193	constant_power_A_reac	1662.01	0.0	831.005	0.0
load	N_1200157193	constant_power_B_reac	1662.01	0.0	831.005	0.0
load	N_1200157192	constant_power_A	3358.07	2081.15	1679.035	1040.575
load	N_1200157192	constant_power_B	3358.07	2081.15	1679.035	1040.575
load	N_1200157192	constant_power_C	3358.07	2081.15	1679.035	1040.575
load	N_1200157192	constant_power_A_real	3358.07	0.0	1679.035	0.0
load	N_1200157192	constant_power_B_real	3358.07	0.0	1679.035	0.0
load	N_1200157192	constant_power_C_real	3358.07	0.0	1679.035	0.0
load	N_1200157192	constant_power_A_reac	2081.15	0.0	1040.575	0.0
load	N_1200157192	constant_power_B_reac	2081.15	0.0	1040.575	0.0
load	N_1200157192	constant_power_C_reac	2081.15	0.0	1040.575	0.0
load	N_1200156732	constant_power_A	210.894	130.7	105.447	65.35
load	N_1200156732	constant_power_B	210.894	130.7	105.447	65.35
load	N_1200156732	constant_power_C	210.894	130.7	105.447	65.35
load	N_1200156732	constant_power_A_real	210.894	0.0	105.447	0.0
load	N_1200156732	constant_power_B_real	210.894	0.0	105.447	0.0
load	N_1200156732	constant_power_C_real	210.894	0.0	105.447	0.0
load	N_1200156732	constant_power_A_reac	130.7	0.0	65.35	0.0
load	N_1200156732	constant_power_B_reac	130.7	0.0	65.35	0.0
load	N_1200156732	constant_power_C_reac	130.7	0.0	65.35	0.0
load	N_1200156730	constant_power_A	2941.69	1823.1	1470.845	911.55
load	N_1200156730	constant_power_B	2941.69	1823.1	1470.845	911.55
load	N_1200156730	constant_power_C	2941.69	1823.1	1470.845	911.55
load	N_1200156730	constant_power_A_real	2941.69	0.0	1470.845	0.0
load	N_1200156730	constant_power_B_real	2941.69	0.0	1470.845	0.0
load	N_1200156730	constant_power_C_real	2941.69	0.0	1470.845	0.0
load	N_1200156730	constant_power_A_reac	1823.1	0.0	911.55	0.0
load	N_1200156730	constant_power_B_reac	1823.1	0.0	911.55	0.0
load	N_1200156730	constant_power_C_reac	1823.1	0.0	911.55	0.0
load	N_1200156731	constant_power_A	3769.05	1238.83	1884.525	619.415
load	N_1200156731	constant_power_B	3769.05	1238.83	1884.525	619.415
load	N_1200156731	constant_power_C	3769.05	1238.83	1884.525	619.415
load	N_1200156731	constant_power_A_real	3769.05	0.0	1884.525	0.0
load	N_1200156731	constant_power_B_real	3769.05	0.0	1884.525	0.0
load	N_1200156731	constant_power_C_real	3769.05	0.0	1884.525	0.0
load	N_1200156731	constant_power_A_reac	1238.83	0.0	619.415	0.0
load	N_1200156731	constant_power_B_reac	1238.83	0.0	619.415	0.0
load	N_1200156731	constant_power_C_reac	1238.83	0.0	619.415	0.0
load	N_1200156736	constant_power_A	3076.88	1011.32	1538.44	505.66
load	N_1200156736	constant_power_B	3076.88	1011.32	1538.44	505.66
load	N_1200156736	constant_power_C	3076.88	1011.32	1538.44	505.66
load	N_1200156736	constant_power_A_real	3076.88	0.0	1538.44	0.0
load	N_1200156736	constant_power_B_real	3076.88	0.0	1538.44	0.0
load	N_1200156736	constant_power_C_real	3076.88	0.0	1538.44	0.0
load	N_1200156736	constant_power_A_reac	1011.32	0.0	505.66	0.0
load	N_1200156736	constant_power_B_reac	1011.32	0.0	505.66	0.0
load	N_1200156736	constant_power_C_reac	1011.32	0.0	505.66	0.0
load	N_1200156735	constant_power_A	1946.71	1206.46	973.355	603.23
load	N_1200156735	constant_power_B	1946.71	1206.46	973.355	603.23
load	N_1200156735	constant_power_C	1946.71	1206.46	973.355	603.23
load	N_1200156735	constant_power_A_real	1946.71	0.0	973.355	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156735	constant_power_B_real	1946.71	0.0	973.355	0.0
load	N_1200156735	constant_power_C_real	1946.71	0.0	973.355	0.0
load	N_1200156735	constant_power_A_reac	1206.46	0.0	603.23	0.0
load	N_1200156735	constant_power_B_reac	1206.46	0.0	603.23	0.0
load	N_1200156735	constant_power_C_reac	1206.46	0.0	603.23	0.0
load	N_1200156738	constant_power_A	2409.05	791.817	1204.525	395.9085
load	N_1200156738	constant_power_B	2409.05	791.817	1204.525	395.9085
load	N_1200156738	constant_power_A_real	2409.05	0.0	1204.525	0.0
load	N_1200156738	constant_power_B_real	2409.05	0.0	1204.525	0.0
load	N_1200156738	constant_power_A_reac	791.817	0.0	395.9085	0.0
load	N_1200156738	constant_power_B_reac	791.817	0.0	395.9085	0.0
load	N_1200157062	constant_power_A	4818.11	1846.48	2409.055	923.24
load	N_1200157062	constant_power_B	4818.11	1846.48	2409.055	923.24
load	N_1200157062	constant_power_C	4818.11	1846.48	2409.055	923.24
load	N_1200157062	constant_power_A_real	4818.11	0.0	2409.055	0.0
load	N_1200157062	constant_power_B_real	4818.11	0.0	2409.055	0.0
load	N_1200157062	constant_power_C_real	4818.11	0.0	2409.055	0.0
load	N_1200157062	constant_power_A_reac	1846.48	0.0	923.24	0.0
load	N_1200157062	constant_power_B_reac	1846.48	0.0	923.24	0.0
load	N_1200157062	constant_power_C_reac	1846.48	0.0	923.24	0.0
load	N_1200156981	constant_power_A	1043.65	343.032	521.825	171.516
load	N_1200156981	constant_power_B	1043.65	343.032	521.825	171.516
load	N_1200156981	constant_power_C	1043.65	343.032	521.825	171.516
load	N_1200156981	constant_power_A_real	1043.65	0.0	521.825	0.0
load	N_1200156981	constant_power_B_real	1043.65	0.0	521.825	0.0
load	N_1200156981	constant_power_C_real	1043.65	0.0	521.825	0.0
load	N_1200156981	constant_power_A_reac	343.032	0.0	171.516	0.0
load	N_1200156981	constant_power_B_reac	343.032	0.0	171.516	0.0
load	N_1200156981	constant_power_C_reac	343.032	0.0	171.516	0.0
load	N_1200156980	constant_power_A	3888.01	1277.93	1944.005	638.965
load	N_1200156980	constant_power_B	3888.01	1277.93	1944.005	638.965
load	N_1200156980	constant_power_C	3888.01	1277.93	1944.005	638.965
load	N_1200156980	constant_power_A_real	3888.01	0.0	1944.005	0.0
load	N_1200156980	constant_power_B_real	3888.01	0.0	1944.005	0.0
load	N_1200156980	constant_power_C_real	3888.01	0.0	1944.005	0.0
load	N_1200156980	constant_power_A_reac	1277.93	0.0	638.965	0.0
load	N_1200156980	constant_power_B_reac	1277.93	0.0	638.965	0.0
load	N_1200156980	constant_power_C_reac	1277.93	0.0	638.965	0.0
load	N_1200156985	constant_power_A	108.151	35.5474	54.0755	17.7737
load	N_1200156985	constant_power_B	108.151	35.5474	54.0755	17.7737
load	N_1200156985	constant_power_C	108.151	35.5474	54.0755	17.7737
load	N_1200156985	constant_power_A_real	108.151	0.0	54.0755	0.0
load	N_1200156985	constant_power_B_real	108.151	0.0	54.0755	0.0
load	N_1200156985	constant_power_C_real	108.151	0.0	54.0755	0.0
load	N_1200156985	constant_power_A_reac	35.5474	0.0	17.7737	0.0
load	N_1200156985	constant_power_B_reac	35.5474	0.0	17.7737	0.0
load	N_1200156985	constant_power_C_reac	35.5474	0.0	17.7737	0.0
load	N_1200156989	constant_power_A	3514.89	2178.33	1757.445	1089.165
load	N_1200156989	constant_power_B	3514.89	2178.33	1757.445	1089.165
load	N_1200156989	constant_power_C	3514.89	2178.33	1757.445	1089.165
load	N_1200156989	constant_power_A_real	3514.89	0.0	1757.445	0.0
load	N_1200156989	constant_power_B_real	3514.89	0.0	1757.445	0.0
load	N_1200156989	constant_power_C_real	3514.89	0.0	1757.445	0.0
load	N_1200156989	constant_power_A_reac	2178.33	0.0	1089.165	0.0
load	N_1200156989	constant_power_B_reac	2178.33	0.0	1089.165	0.0
load	N_1200156989	constant_power_C_reac	2178.33	0.0	1089.165	0.0
load	N_1200156988	constant_power_A	3817.71	1868.65	1908.855	934.325
load	N_1200156988	constant_power_B	3817.71	1868.65	1908.855	934.325
load	N_1200156988	constant_power_C	3817.71	1868.65	1908.855	934.325
load	N_1200156988	constant_power_A_real	3817.71	0.0	1908.855	0.0
load	N_1200156988	constant_power_B_real	3817.71	0.0	1908.855	0.0
load	N_1200156988	constant_power_C_real	3817.71	0.0	1908.855	0.0
load	N_1200156988	constant_power_A_reac	1868.65	0.0	934.325	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156988	constant_power_B_reac	1868.65	0.0	934.325	0.0
load	N_1200156988	constant_power_C_reac	1868.65	0.0	934.325	0.0
load	N_1200157484	constant_power_A	12112.9	7506.87	6056.45	3753.435
load	N_1200157484	constant_power_B	12112.9	7506.87	6056.45	3753.435
load	N_1200157484	constant_power_C	12112.9	7506.87	6056.45	3753.435
load	N_1200157484	constant_power_A_real	12112.9	0.0	6056.45	0.0
load	N_1200157484	constant_power_B_real	12112.9	0.0	6056.45	0.0
load	N_1200157484	constant_power_C_real	12112.9	0.0	6056.45	0.0
load	N_1200157484	constant_power_A_reac	7506.87	0.0	3753.435	0.0
load	N_1200157484	constant_power_B_reac	7506.87	0.0	3753.435	0.0
load	N_1200157484	constant_power_C_reac	7506.87	0.0	3753.435	0.0
load	N_1200157482	constant_power_A	1833.15	1136.09	916.575	568.045
load	N_1200157482	constant_power_B	1833.15	1136.09	916.575	568.045
load	N_1200157482	constant_power_C	1833.15	1136.09	916.575	568.045
load	N_1200157482	constant_power_A_real	1833.15	0.0	916.575	0.0
load	N_1200157482	constant_power_B_real	1833.15	0.0	916.575	0.0
load	N_1200157482	constant_power_C_real	1833.15	0.0	916.575	0.0
load	N_1200157482	constant_power_A_reac	1136.09	0.0	568.045	0.0
load	N_1200157482	constant_power_B_reac	1136.09	0.0	568.045	0.0
load	N_1200157482	constant_power_C_reac	1136.09	0.0	568.045	0.0
load	N_1200157481	constant_power_A	4796.48	2972.59	2398.24	1486.295
load	N_1200157481	constant_power_B	4796.48	2972.59	2398.24	1486.295
load	N_1200157481	constant_power_C	4796.48	2972.59	2398.24	1486.295
load	N_1200157481	constant_power_A_real	4796.48	0.0	2398.24	0.0
load	N_1200157481	constant_power_B_real	4796.48	0.0	2398.24	0.0
load	N_1200157481	constant_power_C_real	4796.48	0.0	2398.24	0.0
load	N_1200157481	constant_power_A_reac	2972.59	0.0	1486.295	0.0
load	N_1200157481	constant_power_B_reac	2972.59	0.0	1486.295	0.0
load	N_1200157481	constant_power_C_reac	2972.59	0.0	1486.295	0.0
load	N_1200099726	constant_power_A	216.301	134.051	108.1505	67.0255
load	N_1200099726	constant_power_B	216.301	134.051	108.1505	67.0255
load	N_1200099726	constant_power_C	216.301	134.051	108.1505	67.0255
load	N_1200099726	constant_power_A_real	216.301	0.0	108.1505	0.0
load	N_1200099726	constant_power_B_real	216.301	0.0	108.1505	0.0
load	N_1200099726	constant_power_C_real	216.301	0.0	108.1505	0.0
load	N_1200099726	constant_power_A_reac	134.051	0.0	67.0255	0.0
load	N_1200099726	constant_power_B_reac	134.051	0.0	67.0255	0.0
load	N_1200099726	constant_power_C_reac	134.051	0.0	67.0255	0.0
load	N_1200031601	constant_power_A	5061.44	3136.8	2530.72	1568.4
load	N_1200031601	constant_power_B	5061.44	3136.8	2530.72	1568.4
load	N_1200031601	constant_power_C	5061.44	3136.8	2530.72	1568.4
load	N_1200031601	constant_power_A_real	5061.44	0.0	2530.72	0.0
load	N_1200031601	constant_power_B_real	5061.44	0.0	2530.72	0.0
load	N_1200031601	constant_power_C_real	5061.44	0.0	2530.72	0.0
load	N_1200031601	constant_power_A_reac	3136.8	0.0	1568.4	0.0
load	N_1200031601	constant_power_B_reac	3136.8	0.0	1568.4	0.0
load	N_1200031601	constant_power_C_reac	3136.8	0.0	1568.4	0.0
load	N_1200004531	constant_power_A	3898.83	1281.48	1949.415	640.74
load	N_1200004531	constant_power_B	3898.83	1281.48	1949.415	640.74
load	N_1200004531	constant_power_C	3898.83	1281.48	1949.415	640.74
load	N_1200004531	constant_power_A_real	3898.83	0.0	1949.415	0.0
load	N_1200004531	constant_power_B_real	3898.83	0.0	1949.415	0.0
load	N_1200004531	constant_power_C_real	3898.83	0.0	1949.415	0.0
load	N_1200004531	constant_power_A_reac	1281.48	0.0	640.74	0.0
load	N_1200004531	constant_power_B_reac	1281.48	0.0	640.74	0.0
load	N_1200004531	constant_power_C_reac	1281.48	0.0	640.74	0.0
load	N_1200156803	constant_power_A	4488.25	1755.37	2244.125	877.685
load	N_1200156803	constant_power_B	4488.25	1755.37	2244.125	877.685
load	N_1200156803	constant_power_C	4488.25	1755.37	2244.125	877.685
load	N_1200156803	constant_power_A_real	4488.25	0.0	2244.125	0.0
load	N_1200156803	constant_power_B_real	4488.25	0.0	2244.125	0.0
load	N_1200156803	constant_power_C_real	4488.25	0.0	2244.125	0.0
load	N_1200156803	constant_power_A_reac	1755.37	0.0	877.685	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156803	constant_power_B_reac	1755.37	0.0	877.685	0.0
load	N_1200156803	constant_power_C_reac	1755.37	0.0	877.685	0.0
load	N_1200156804	constant_power_A	1157.21	717.175	578.605	358.5875
load	N_1200156804	constant_power_B	1157.21	717.175	578.605	358.5875
load	N_1200156804	constant_power_C	1157.21	717.175	578.605	358.5875
load	N_1200156804	constant_power_A_real	1157.21	0.0	578.605	0.0
load	N_1200156804	constant_power_B_real	1157.21	0.0	578.605	0.0
load	N_1200156804	constant_power_C_real	1157.21	0.0	578.605	0.0
load	N_1200156804	constant_power_A_reac	717.175	0.0	358.5875	0.0
load	N_1200156804	constant_power_B_reac	717.175	0.0	358.5875	0.0
load	N_1200156804	constant_power_C_reac	717.175	0.0	358.5875	0.0
load	N_1200157359	constant_power_A	6548.51	2152.39	3274.255	1076.195
load	N_1200157359	constant_power_B	6548.51	2152.39	3274.255	1076.195
load	N_1200157359	constant_power_C	6548.51	2152.39	3274.255	1076.195
load	N_1200157359	constant_power_A_real	6548.51	0.0	3274.255	0.0
load	N_1200157359	constant_power_B_real	6548.51	0.0	3274.255	0.0
load	N_1200157359	constant_power_C_real	6548.51	0.0	3274.255	0.0
load	N_1200157359	constant_power_A_reac	2152.39	0.0	1076.195	0.0
load	N_1200157359	constant_power_B_reac	2152.39	0.0	1076.195	0.0
load	N_1200157359	constant_power_C_reac	2152.39	0.0	1076.195	0.0
load	N_1200156967	constant_power_A	2692.95	915.033	1346.475	457.5165
load	N_1200156967	constant_power_B	2692.95	915.033	1346.475	457.5165
load	N_1200156967	constant_power_C	2692.95	915.033	1346.475	457.5165
load	N_1200156967	constant_power_A_real	2692.95	0.0	1346.475	0.0
load	N_1200156967	constant_power_B_real	2692.95	0.0	1346.475	0.0
load	N_1200156967	constant_power_C_real	2692.95	0.0	1346.475	0.0
load	N_1200156967	constant_power_A_reac	915.033	0.0	457.5165	0.0
load	N_1200156967	constant_power_B_reac	915.033	0.0	457.5165	0.0
load	N_1200156967	constant_power_C_reac	915.033	0.0	457.5165	0.0
load	N_1200156809	constant_power_A	3536.52	1162.4	1768.26	581.2
load	N_1200156809	constant_power_B	3536.52	1162.4	1768.26	581.2
load	N_1200156809	constant_power_A_real	3536.52	0.0	1768.26	0.0
load	N_1200156809	constant_power_B_real	3536.52	0.0	1768.26	0.0
load	N_1200156809	constant_power_A_reac	1162.4	0.0	581.2	0.0
load	N_1200156809	constant_power_B_reac	1162.4	0.0	581.2	0.0
load	N_1200059105	constant_power_A	30912.1	10160.3	15456.05	5080.15
load	N_1200059105	constant_power_B	30912.1	10160.3	15456.05	5080.15
load	N_1200059105	constant_power_A_real	30912.1	0.0	15456.05	0.0
load	N_1200059105	constant_power_B_real	30912.1	0.0	15456.05	0.0
load	N_1200059105	constant_power_A_reac	10160.3	0.0	5080.15	0.0
load	N_1200059105	constant_power_B_reac	10160.3	0.0	5080.15	0.0
load	N_1200157291	constant_power_A	4582.88	1506.32	2291.44	753.16
load	N_1200157291	constant_power_B	4582.88	1506.32	2291.44	753.16
load	N_1200157291	constant_power_A_real	4582.88	0.0	2291.44	0.0
load	N_1200157291	constant_power_B_real	4582.88	0.0	2291.44	0.0
load	N_1200157291	constant_power_A_reac	1506.32	0.0	753.16	0.0
load	N_1200157291	constant_power_B_reac	1506.32	0.0	753.16	0.0
load	N_1200059103	constant_power_A	25623.6	8422.06	12811.8	4211.03
load	N_1200059103	constant_power_B	25623.6	8422.06	12811.8	4211.03
load	N_1200059103	constant_power_A_real	25623.6	0.0	12811.8	0.0
load	N_1200059103	constant_power_B_real	25623.6	0.0	12811.8	0.0
load	N_1200059103	constant_power_A_reac	8422.06	0.0	4211.03	0.0
load	N_1200059103	constant_power_B_reac	8422.06	0.0	4211.03	0.0
load	N_1200059102	constant_power_A	20221.4	6646.47	10110.7	3323.235
load	N_1200059102	constant_power_B	20221.4	6646.47	10110.7	3323.235
load	N_1200059102	constant_power_A_real	20221.4	0.0	10110.7	0.0
load	N_1200059102	constant_power_B_real	20221.4	0.0	10110.7	0.0
load	N_1200059102	constant_power_A_reac	6646.47	0.0	3323.235	0.0
load	N_1200059102	constant_power_B_reac	6646.47	0.0	3323.235	0.0
load	N_1200101941	constant_power_B	39047.7	12834.4	19523.85	6417.2
load	N_1200101941	constant_power_C	39047.7	12834.4	19523.85	6417.2
load	N_1200101941	constant_power_B_real	39047.7	0.0	19523.85	0.0
load	N_1200101941	constant_power_C_real	39047.7	0.0	19523.85	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200101941	constant_power_B_reac	12834.4	0.0	6417.2	0.0
load	N_1200101941	constant_power_C_reac	12834.4	0.0	6417.2	0.0
load	N_1200101940	constant_power_B	55959.8	18393.1	27979.9	9196.55
load	N_1200101940	constant_power_C	55959.8	18393.1	27979.9	9196.55
load	N_1200101940	constant_power_B_real	55959.8	0.0	27979.9	0.0
load	N_1200101940	constant_power_C_real	55959.8	0.0	27979.9	0.0
load	N_1200101940	constant_power_B_reac	18393.1	0.0	9196.55	0.0
load	N_1200101940	constant_power_C_reac	18393.1	0.0	9196.55	0.0
load	N_1200157049	constant_power_A	356.897	117.306	178.4485	58.653
load	N_1200157049	constant_power_B	356.897	117.306	178.4485	58.653
load	N_1200157049	constant_power_C	356.897	117.306	178.4485	58.653
load	N_1200157049	constant_power_A_real	356.897	0.0	178.4485	0.0
load	N_1200157049	constant_power_B_real	356.897	0.0	178.4485	0.0
load	N_1200157049	constant_power_C_real	356.897	0.0	178.4485	0.0
load	N_1200157049	constant_power_A_reac	117.306	0.0	58.653	0.0
load	N_1200157049	constant_power_B_reac	117.306	0.0	58.653	0.0
load	N_1200157049	constant_power_C_reac	117.306	0.0	58.653	0.0
load	N_1200157167	constant_power_A	6010.47	1975.54	3005.235	987.77
load	N_1200157167	constant_power_B	6010.47	1975.54	3005.235	987.77
load	N_1200157167	constant_power_A_real	6010.47	0.0	3005.235	0.0
load	N_1200157167	constant_power_B_real	6010.47	0.0	3005.235	0.0
load	N_1200157167	constant_power_A_reac	1975.54	0.0	987.77	0.0
load	N_1200157167	constant_power_B_reac	1975.54	0.0	987.77	0.0
load	N_1200157169	constant_power_A	6305.18	2072.41	3152.59	1036.205
load	N_1200157169	constant_power_B	6305.18	2072.41	3152.59	1036.205
load	N_1200157169	constant_power_C	6305.18	2072.41	3152.59	1036.205
load	N_1200157169	constant_power_A_real	6305.18	0.0	3152.59	0.0
load	N_1200157169	constant_power_B_real	6305.18	0.0	3152.59	0.0
load	N_1200157169	constant_power_C_real	6305.18	0.0	3152.59	0.0
load	N_1200157169	constant_power_A_reac	2072.41	0.0	1036.205	0.0
load	N_1200157169	constant_power_B_reac	2072.41	0.0	1036.205	0.0
load	N_1200157169	constant_power_C_reac	2072.41	0.0	1036.205	0.0
load	N_1200017245	constant_power_A	12421.1	4082.61	6210.55	2041.305
load	N_1200017245	constant_power_B	12421.1	4082.61	6210.55	2041.305
load	N_1200017245	constant_power_C	12421.1	4082.61	6210.55	2041.305
load	N_1200017245	constant_power_A_real	12421.1	0.0	6210.55	0.0
load	N_1200017245	constant_power_B_real	12421.1	0.0	6210.55	0.0
load	N_1200017245	constant_power_C_real	12421.1	0.0	6210.55	0.0
load	N_1200017245	constant_power_A_reac	4082.61	0.0	2041.305	0.0
load	N_1200017245	constant_power_B_reac	4082.61	0.0	2041.305	0.0
load	N_1200017245	constant_power_C_reac	4082.61	0.0	2041.305	0.0
load	N_1200017242	constant_power_A	4223.28	1684.02	2111.64	842.01
load	N_1200017242	constant_power_B	4223.28	1684.02	2111.64	842.01
load	N_1200017242	constant_power_C	4223.28	1684.02	2111.64	842.01
load	N_1200017242	constant_power_A_real	4223.28	0.0	2111.64	0.0
load	N_1200017242	constant_power_B_real	4223.28	0.0	2111.64	0.0
load	N_1200017242	constant_power_C_real	4223.28	0.0	2111.64	0.0
load	N_1200017242	constant_power_A_reac	1684.02	0.0	842.01	0.0
load	N_1200017242	constant_power_B_reac	1684.02	0.0	842.01	0.0
load	N_1200017242	constant_power_C_reac	1684.02	0.0	842.01	0.0
load	N_1200457786	constant_power_A	275.784	90.6457	137.892	45.32285
load	N_1200457786	constant_power_B	275.784	90.6457	137.892	45.32285
load	N_1200457786	constant_power_C	275.784	90.6457	137.892	45.32285
load	N_1200457786	constant_power_A_real	275.784	0.0	137.892	0.0
load	N_1200457786	constant_power_B_real	275.784	0.0	137.892	0.0
load	N_1200457786	constant_power_C_real	275.784	0.0	137.892	0.0
load	N_1200457786	constant_power_A_reac	90.6457	0.0	45.32285	0.0
load	N_1200457786	constant_power_B_reac	90.6457	0.0	45.32285	0.0
load	N_1200457786	constant_power_C_reac	90.6457	0.0	45.32285	0.0
load	N_1200156555	constant_power_A	1687.15	708.783	843.575	354.3915
load	N_1200156555	constant_power_B	1687.15	708.783	843.575	354.3915
load	N_1200156555	constant_power_C	1687.15	708.783	843.575	354.3915
load	N_1200156555	constant_power_A_real	1687.15	0.0	843.575	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156555	constant_power_B_real	1687.15	0.0	843.575	0.0
load	N_1200156555	constant_power_C_real	1687.15	0.0	843.575	0.0
load	N_1200156555	constant_power_A_reac	708.783	0.0	354.3915	0.0
load	N_1200156555	constant_power_B_reac	708.783	0.0	354.3915	0.0
load	N_1200156555	constant_power_C_reac	708.783	0.0	354.3915	0.0
load	N_1200004545	constant_power_A	648.903	402.154	324.4515	201.077
load	N_1200004545	constant_power_B	648.903	402.154	324.4515	201.077
load	N_1200004545	constant_power_C	648.903	402.154	324.4515	201.077
load	N_1200004545	constant_power_A_real	648.903	0.0	324.4515	0.0
load	N_1200004545	constant_power_B_real	648.903	0.0	324.4515	0.0
load	N_1200004545	constant_power_C_real	648.903	0.0	324.4515	0.0
load	N_1200004545	constant_power_A_reac	402.154	0.0	201.077	0.0
load	N_1200004545	constant_power_B_reac	402.154	0.0	201.077	0.0
load	N_1200004545	constant_power_C_reac	402.154	0.0	201.077	0.0
load	N_1200004546	constant_power_A	3763.64	1237.05	1881.82	618.525
load	N_1200004546	constant_power_B	3763.64	1237.05	1881.82	618.525
load	N_1200004546	constant_power_C	3763.64	1237.05	1881.82	618.525
load	N_1200004546	constant_power_A_real	3763.64	0.0	1881.82	0.0
load	N_1200004546	constant_power_B_real	3763.64	0.0	1881.82	0.0
load	N_1200004546	constant_power_C_real	3763.64	0.0	1881.82	0.0
load	N_1200004546	constant_power_A_reac	1237.05	0.0	618.525	0.0
load	N_1200004546	constant_power_B_reac	1237.05	0.0	618.525	0.0
load	N_1200004546	constant_power_C_reac	1237.05	0.0	618.525	0.0
load	N_1200157266	constant_power_A	2000.78	657.626	1000.39	328.813
load	N_1200157266	constant_power_B	2000.78	657.626	1000.39	328.813
load	N_1200157266	constant_power_C	2000.78	657.626	1000.39	328.813
load	N_1200157266	constant_power_A_real	2000.78	0.0	1000.39	0.0
load	N_1200157266	constant_power_B_real	2000.78	0.0	1000.39	0.0
load	N_1200157266	constant_power_C_real	2000.78	0.0	1000.39	0.0
load	N_1200157266	constant_power_A_reac	657.626	0.0	328.813	0.0
load	N_1200157266	constant_power_B_reac	657.626	0.0	328.813	0.0
load	N_1200157266	constant_power_C_reac	657.626	0.0	328.813	0.0
load	N_1200157228	constant_power_A	124.373	77.0795	62.1865	38.53975
load	N_1200157228	constant_power_B	124.373	77.0795	62.1865	38.53975
load	N_1200157228	constant_power_C	124.373	77.0795	62.1865	38.53975
load	N_1200157228	constant_power_A_real	124.373	0.0	62.1865	0.0
load	N_1200157228	constant_power_B_real	124.373	0.0	62.1865	0.0
load	N_1200157228	constant_power_C_real	124.373	0.0	62.1865	0.0
load	N_1200157228	constant_power_A_reac	77.0795	0.0	38.53975	0.0
load	N_1200157228	constant_power_B_reac	77.0795	0.0	38.53975	0.0
load	N_1200157228	constant_power_C_reac	77.0795	0.0	38.53975	0.0
load	N_1200019251	constant_power_A	4158.39	1366.8	2079.195	683.4
load	N_1200019251	constant_power_B	4158.39	1366.8	2079.195	683.4
load	N_1200019251	constant_power_C	4158.39	1366.8	2079.195	683.4
load	N_1200019251	constant_power_A_real	4158.39	0.0	2079.195	0.0
load	N_1200019251	constant_power_B_real	4158.39	0.0	2079.195	0.0
load	N_1200019251	constant_power_C_real	4158.39	0.0	2079.195	0.0
load	N_1200019251	constant_power_A_reac	1366.8	0.0	683.4	0.0
load	N_1200019251	constant_power_B_reac	1366.8	0.0	683.4	0.0
load	N_1200019251	constant_power_C_reac	1366.8	0.0	683.4	0.0
load	N_1200100087	constant_power_A	13475.6	4429.2	6737.8	2214.6
load	N_1200100087	constant_power_B	13475.6	4429.2	6737.8	2214.6
load	N_1200100087	constant_power_C	13475.6	4429.2	6737.8	2214.6
load	N_1200100087	constant_power_A_real	13475.6	0.0	6737.8	0.0
load	N_1200100087	constant_power_B_real	13475.6	0.0	6737.8	0.0
load	N_1200100087	constant_power_C_real	13475.6	0.0	6737.8	0.0
load	N_1200100087	constant_power_A_reac	4429.2	0.0	2214.6	0.0
load	N_1200100087	constant_power_B_reac	4429.2	0.0	2214.6	0.0
load	N_1200100087	constant_power_C_reac	4429.2	0.0	2214.6	0.0
load	N_1200157222	constant_power_A	7024.38	2308.8	3512.19	1154.4
load	N_1200157222	constant_power_B	7024.38	2308.8	3512.19	1154.4
load	N_1200157222	constant_power_C	7024.38	2308.8	3512.19	1154.4
load	N_1200157222	constant_power_A_real	7024.38	0.0	3512.19	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157222	constant_power_B_real	7024.38	0.0	3512.19	0.0
load	N_1200157222	constant_power_C_real	7024.38	0.0	3512.19	0.0
load	N_1200157222	constant_power_A_reac	2308.8	0.0	1154.4	0.0
load	N_1200157222	constant_power_B_reac	2308.8	0.0	1154.4	0.0
load	N_1200157222	constant_power_C_reac	2308.8	0.0	1154.4	0.0
load	N_1200157221	constant_power_A	1865.6	613.192	932.8	306.596
load	N_1200157221	constant_power_B	1865.6	613.192	932.8	306.596
load	N_1200157221	constant_power_C	1865.6	613.192	932.8	306.596
load	N_1200157221	constant_power_A_real	1865.6	0.0	932.8	0.0
load	N_1200157221	constant_power_B_real	1865.6	0.0	932.8	0.0
load	N_1200157221	constant_power_C_real	1865.6	0.0	932.8	0.0
load	N_1200157221	constant_power_A_reac	613.192	0.0	306.596	0.0
load	N_1200157221	constant_power_B_reac	613.192	0.0	306.596	0.0
load	N_1200157221	constant_power_C_reac	613.192	0.0	306.596	0.0
load	N_1200157220	constant_power_A	7159.56	4437.1	3579.78	2218.55
load	N_1200157220	constant_power_B	7159.56	4437.1	3579.78	2218.55
load	N_1200157220	constant_power_C	7159.56	4437.1	3579.78	2218.55
load	N_1200157220	constant_power_A_real	7159.56	0.0	3579.78	0.0
load	N_1200157220	constant_power_B_real	7159.56	0.0	3579.78	0.0
load	N_1200157220	constant_power_C_real	7159.56	0.0	3579.78	0.0
load	N_1200157220	constant_power_A_reac	4437.1	0.0	2218.55	0.0
load	N_1200157220	constant_power_B_reac	4437.1	0.0	2218.55	0.0
load	N_1200157220	constant_power_C_reac	4437.1	0.0	2218.55	0.0
load	N_1200058622	constant_power_A	819.24	269.271	409.62	134.6355
load	N_1200058622	constant_power_B	819.24	269.271	409.62	134.6355
load	N_1200058622	constant_power_A_real	819.24	0.0	409.62	0.0
load	N_1200058622	constant_power_B_real	819.24	0.0	409.62	0.0
load	N_1200058622	constant_power_A_reac	269.271	0.0	134.6355	0.0
load	N_1200058622	constant_power_B_reac	269.271	0.0	134.6355	0.0
load	N_1200101936	constant_power_A	2611.84	858.469	1305.92	429.2345
load	N_1200101936	constant_power_B	2611.84	858.469	1305.92	429.2345
load	N_1200101936	constant_power_A_real	2611.84	0.0	1305.92	0.0
load	N_1200101936	constant_power_B_real	2611.84	0.0	1305.92	0.0
load	N_1200101936	constant_power_A_reac	858.469	0.0	429.2345	0.0
load	N_1200101936	constant_power_B_reac	858.469	0.0	429.2345	0.0
load	N_1200101937	constant_power_A	1519.51	499.44	759.755	249.72
load	N_1200101937	constant_power_B	1519.51	499.44	759.755	249.72
load	N_1200101937	constant_power_C	1519.51	499.44	759.755	249.72
load	N_1200101937	constant_power_A_real	1519.51	0.0	759.755	0.0
load	N_1200101937	constant_power_B_real	1519.51	0.0	759.755	0.0
load	N_1200101937	constant_power_C_real	1519.51	0.0	759.755	0.0
load	N_1200101937	constant_power_A_reac	499.44	0.0	249.72	0.0
load	N_1200101937	constant_power_B_reac	499.44	0.0	249.72	0.0
load	N_1200101937	constant_power_C_reac	499.44	0.0	249.72	0.0
load	N_1200058359	constant_power_A	1173.43	727.228	586.715	363.614
load	N_1200058359	constant_power_B	1173.43	727.228	586.715	363.614
load	N_1200058359	constant_power_C	1173.43	727.228	586.715	363.614
load	N_1200058359	constant_power_A_real	1173.43	0.0	586.715	0.0
load	N_1200058359	constant_power_B_real	1173.43	0.0	586.715	0.0
load	N_1200058359	constant_power_C_real	1173.43	0.0	586.715	0.0
load	N_1200058359	constant_power_A_reac	727.228	0.0	363.614	0.0
load	N_1200058359	constant_power_B_reac	727.228	0.0	363.614	0.0
load	N_1200058359	constant_power_C_reac	727.228	0.0	363.614	0.0
load	N_1200057351	constant_power_A	3136.36	1430.65	1568.18	715.325
load	N_1200057351	constant_power_B	3136.36	1430.65	1568.18	715.325
load	N_1200057351	constant_power_C	3136.36	1430.65	1568.18	715.325
load	N_1200057351	constant_power_A_real	3136.36	0.0	1568.18	0.0
load	N_1200057351	constant_power_B_real	3136.36	0.0	1568.18	0.0
load	N_1200057351	constant_power_C_real	3136.36	0.0	1568.18	0.0
load	N_1200057351	constant_power_A_reac	1430.65	0.0	715.325	0.0
load	N_1200057351	constant_power_B_reac	1430.65	0.0	715.325	0.0
load	N_1200057351	constant_power_C_reac	1430.65	0.0	715.325	0.0
load	N_1200156511	constant_power_A	5937.46	1951.55	2968.73	975.775

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156511	constant_power_B	5937.46	1951.55	2968.73	975.775
load	N_1200156511	constant_power_C	5937.46	1951.55	2968.73	975.775
load	N_1200156511	constant_power_A_real	5937.46	0.0	2968.73	0.0
load	N_1200156511	constant_power_B_real	5937.46	0.0	2968.73	0.0
load	N_1200156511	constant_power_C_real	5937.46	0.0	2968.73	0.0
load	N_1200156511	constant_power_A_reac	1951.55	0.0	975.775	0.0
load	N_1200156511	constant_power_B_reac	1951.55	0.0	975.775	0.0
load	N_1200156511	constant_power_C_reac	1951.55	0.0	975.775	0.0
load	N_1200057354	constant_power_A	1784.48	586.531	892.24	293.2655
load	N_1200057354	constant_power_B	1784.48	586.531	892.24	293.2655
load	N_1200057354	constant_power_C	1784.48	586.531	892.24	293.2655
load	N_1200057354	constant_power_A_real	1784.48	0.0	892.24	0.0
load	N_1200057354	constant_power_B_real	1784.48	0.0	892.24	0.0
load	N_1200057354	constant_power_C_real	1784.48	0.0	892.24	0.0
load	N_1200057354	constant_power_A_reac	586.531	0.0	293.2655	0.0
load	N_1200057354	constant_power_B_reac	586.531	0.0	293.2655	0.0
load	N_1200057354	constant_power_C_reac	586.531	0.0	293.2655	0.0
load	N_1200156683	constant_power_A	3996.16	1313.47	1998.08	656.735
load	N_1200156683	constant_power_B	3996.16	1313.47	1998.08	656.735
load	N_1200156683	constant_power_C	3996.16	1313.47	1998.08	656.735
load	N_1200156683	constant_power_A_real	3996.16	0.0	1998.08	0.0
load	N_1200156683	constant_power_B_real	3996.16	0.0	1998.08	0.0
load	N_1200156683	constant_power_C_real	3996.16	0.0	1998.08	0.0
load	N_1200156683	constant_power_A_reac	1313.47	0.0	656.735	0.0
load	N_1200156683	constant_power_B_reac	1313.47	0.0	656.735	0.0
load	N_1200156683	constant_power_C_reac	1313.47	0.0	656.735	0.0
load	N_1200136419	constant_power_A	7040.6	4363.37	3520.3	2181.685
load	N_1200136419	constant_power_B	7040.6	4363.37	3520.3	2181.685
load	N_1200136419	constant_power_C	7040.6	4363.37	3520.3	2181.685
load	N_1200136419	constant_power_A_real	7040.6	0.0	3520.3	0.0
load	N_1200136419	constant_power_B_real	7040.6	0.0	3520.3	0.0
load	N_1200136419	constant_power_C_real	7040.6	0.0	3520.3	0.0
load	N_1200136419	constant_power_A_reac	4363.37	0.0	2181.685	0.0
load	N_1200136419	constant_power_B_reac	4363.37	0.0	2181.685	0.0
load	N_1200136419	constant_power_C_reac	4363.37	0.0	2181.685	0.0
load	N_1200019242	constant_power_A	2114.34	970.386	1057.17	485.193
load	N_1200019242	constant_power_B	2114.34	970.386	1057.17	485.193
load	N_1200019242	constant_power_C	2114.34	970.386	1057.17	485.193
load	N_1200019242	constant_power_A_real	2114.34	0.0	1057.17	0.0
load	N_1200019242	constant_power_B_real	2114.34	0.0	1057.17	0.0
load	N_1200019242	constant_power_C_real	2114.34	0.0	1057.17	0.0
load	N_1200019242	constant_power_A_reac	970.386	0.0	485.193	0.0
load	N_1200019242	constant_power_B_reac	970.386	0.0	485.193	0.0
load	N_1200019242	constant_power_C_reac	970.386	0.0	485.193	0.0
load	N_1200157450	constant_power_A	12134.5	4012.02	6067.25	2006.01
load	N_1200157450	constant_power_B	12134.5	4012.02	6067.25	2006.01
load	N_1200157450	constant_power_A_real	12134.5	0.0	6067.25	0.0
load	N_1200157450	constant_power_B_real	12134.5	0.0	6067.25	0.0
load	N_1200157450	constant_power_A_reac	4012.02	0.0	2006.01	0.0
load	N_1200157450	constant_power_B_reac	4012.02	0.0	2006.01	0.0
load	N_1200157451	constant_power_A	12296.7	4041.73	6148.35	2020.865
load	N_1200157451	constant_power_B	12296.7	4041.73	6148.35	2020.865
load	N_1200157451	constant_power_A_real	12296.7	0.0	6148.35	0.0
load	N_1200157451	constant_power_B_real	12296.7	0.0	6148.35	0.0
load	N_1200157451	constant_power_A_reac	4041.73	0.0	2020.865	0.0
load	N_1200157451	constant_power_B_reac	4041.73	0.0	2020.865	0.0
load	N_1200157452	constant_power_A	1303.21	428.346	651.605	214.173
load	N_1200157452	constant_power_B	1303.21	428.346	651.605	214.173
load	N_1200157452	constant_power_C	1303.21	428.346	651.605	214.173
load	N_1200157452	constant_power_A_real	1303.21	0.0	651.605	0.0
load	N_1200157452	constant_power_B_real	1303.21	0.0	651.605	0.0
load	N_1200157452	constant_power_C_real	1303.21	0.0	651.605	0.0
load	N_1200157452	constant_power_A_reac	428.346	0.0	214.173	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157452	constant_power_B_reac	428.346	0.0	214.173	0.0
load	N_1200157452	constant_power_C_reac	428.346	0.0	214.173	0.0
load	N_1200157453	constant_power_A	1719.59	565.203	859.795	282.6015
load	N_1200157453	constant_power_B	1719.59	565.203	859.795	282.6015
load	N_1200157453	constant_power_C	1719.59	565.203	859.795	282.6015
load	N_1200157453	constant_power_A_real	1719.59	0.0	859.795	0.0
load	N_1200157453	constant_power_B_real	1719.59	0.0	859.795	0.0
load	N_1200157453	constant_power_C_real	1719.59	0.0	859.795	0.0
load	N_1200157453	constant_power_A_reac	565.203	0.0	282.6015	0.0
load	N_1200157453	constant_power_B_reac	565.203	0.0	282.6015	0.0
load	N_1200157453	constant_power_C_reac	565.203	0.0	282.6015	0.0
load	N_1200157454	constant_power_A	31536.7	11487.0	15768.35	5743.5
load	N_1200157454	constant_power_B	31536.7	11487.0	15768.35	5743.5
load	N_1200157454	constant_power_A_real	31536.7	0.0	15768.35	0.0
load	N_1200157454	constant_power_B_real	31536.7	0.0	15768.35	0.0
load	N_1200157454	constant_power_A_reac	11487.0	0.0	5743.5	0.0
load	N_1200157454	constant_power_B_reac	11487.0	0.0	5743.5	0.0
load	N_1200157455	constant_power_A	34189.1	11237.4	17094.55	5618.7
load	N_1200157455	constant_power_B	34189.1	11237.4	17094.55	5618.7
load	N_1200157455	constant_power_A_real	34189.1	0.0	17094.55	0.0
load	N_1200157455	constant_power_B_real	34189.1	0.0	17094.55	0.0
load	N_1200157455	constant_power_A_reac	11237.4	0.0	5618.7	0.0
load	N_1200157455	constant_power_B_reac	11237.4	0.0	5618.7	0.0
load	N_1200157456	constant_power_A	16.223	10.0541	8.1115	5.02705
load	N_1200157456	constant_power_B	16.223	10.0541	8.1115	5.02705
load	N_1200157456	constant_power_A_real	16.223	0.0	8.1115	0.0
load	N_1200157456	constant_power_B_real	16.223	0.0	8.1115	0.0
load	N_1200157456	constant_power_A_reac	10.0541	0.0	5.02705	0.0
load	N_1200157456	constant_power_B_reac	10.0541	0.0	5.02705	0.0
load	N_1200157357	constant_power_A	1487.07	488.776	743.535	244.388
load	N_1200157357	constant_power_B	1487.07	488.776	743.535	244.388
load	N_1200157357	constant_power_C	1487.07	488.776	743.535	244.388
load	N_1200157357	constant_power_A_real	1487.07	0.0	743.535	0.0
load	N_1200157357	constant_power_B_real	1487.07	0.0	743.535	0.0
load	N_1200157357	constant_power_C_real	1487.07	0.0	743.535	0.0
load	N_1200157357	constant_power_A_reac	488.776	0.0	244.388	0.0
load	N_1200157357	constant_power_B_reac	488.776	0.0	244.388	0.0
load	N_1200157357	constant_power_C_reac	488.776	0.0	244.388	0.0
load	N_1200157356	constant_power_A	16388.48	543.264	819.24	271.632
load	N_1200157356	constant_power_B	16388.48	543.264	819.24	271.632
load	N_1200157356	constant_power_C	16388.48	543.264	819.24	271.632
load	N_1200157356	constant_power_A_real	16388.48	0.0	819.24	0.0
load	N_1200157356	constant_power_B_real	16388.48	0.0	819.24	0.0
load	N_1200157356	constant_power_C_real	16388.48	0.0	819.24	0.0
load	N_1200157356	constant_power_A_reac	543.264	0.0	271.632	0.0
load	N_1200157356	constant_power_B_reac	543.264	0.0	271.632	0.0
load	N_1200157356	constant_power_C_reac	543.264	0.0	271.632	0.0
load	N_1200157355	constant_power_A	3244.52	1066.42	1622.26	533.21
load	N_1200157355	constant_power_B	3244.52	1066.42	1622.26	533.21
load	N_1200157355	constant_power_C	3244.52	1066.42	1622.26	533.21
load	N_1200157355	constant_power_A_real	3244.52	0.0	1622.26	0.0
load	N_1200157355	constant_power_B_real	3244.52	0.0	1622.26	0.0
load	N_1200157355	constant_power_C_real	3244.52	0.0	1622.26	0.0
load	N_1200157355	constant_power_A_reac	1066.42	0.0	533.21	0.0
load	N_1200157355	constant_power_B_reac	1066.42	0.0	533.21	0.0
load	N_1200157355	constant_power_C_reac	1066.42	0.0	533.21	0.0
load	N_1200157354	constant_power_A	4125.94	1356.13	2062.97	678.065
load	N_1200157354	constant_power_B	4125.94	1356.13	2062.97	678.065
load	N_1200157354	constant_power_C	4125.94	1356.13	2062.97	678.065
load	N_1200157354	constant_power_A_real	4125.94	0.0	2062.97	0.0
load	N_1200157354	constant_power_B_real	4125.94	0.0	2062.97	0.0
load	N_1200157354	constant_power_C_real	4125.94	0.0	2062.97	0.0
load	N_1200157354	constant_power_A_reac	1356.13	0.0	678.065	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157354	constant_power_B_reac	1356.13	0.0	678.065	0.0
load	N_1200157354	constant_power_C_reac	1356.13	0.0	678.065	0.0
load	N_1200091107	constant_power_A	2319.83	855.352	1159.915	427.676
load	N_1200091107	constant_power_B	2319.83	855.352	1159.915	427.676
load	N_1200091107	constant_power_C	2319.83	855.352	1159.915	427.676
load	N_1200091107	constant_power_A_real	2319.83	0.0	1159.915	0.0
load	N_1200091107	constant_power_B_real	2319.83	0.0	1159.915	0.0
load	N_1200091107	constant_power_C_real	2319.83	0.0	1159.915	0.0
load	N_1200091107	constant_power_A_reac	855.352	0.0	427.676	0.0
load	N_1200091107	constant_power_B_reac	855.352	0.0	427.676	0.0
load	N_1200091107	constant_power_C_reac	855.352	0.0	427.676	0.0
load	N_1200091106	constant_power_A	438.01	271.454	219.005	135.727
load	N_1200091106	constant_power_B	438.01	271.454	219.005	135.727
load	N_1200091106	constant_power_C	438.01	271.454	219.005	135.727
load	N_1200091106	constant_power_A_real	438.01	0.0	219.005	0.0
load	N_1200091106	constant_power_B_real	438.01	0.0	219.005	0.0
load	N_1200091106	constant_power_C_real	438.01	0.0	219.005	0.0
load	N_1200091106	constant_power_A_reac	271.454	0.0	135.727	0.0
load	N_1200091106	constant_power_B_reac	271.454	0.0	135.727	0.0
load	N_1200091106	constant_power_C_reac	271.454	0.0	135.727	0.0
load	N_1200091105	constant_power_A	2006.19	659.403	1003.095	329.7015
load	N_1200091105	constant_power_B	2006.19	659.403	1003.095	329.7015
load	N_1200091105	constant_power_C	2006.19	659.403	1003.095	329.7015
load	N_1200091105	constant_power_A_real	2006.19	0.0	1003.095	0.0
load	N_1200091105	constant_power_B_real	2006.19	0.0	1003.095	0.0
load	N_1200091105	constant_power_C_real	2006.19	0.0	1003.095	0.0
load	N_1200091105	constant_power_A_reac	659.403	0.0	329.7015	0.0
load	N_1200091105	constant_power_B_reac	659.403	0.0	329.7015	0.0
load	N_1200091105	constant_power_C_reac	659.403	0.0	329.7015	0.0
load	N_1200157294	constant_power_B	4485.54	1474.33	2242.77	737.165
load	N_1200157294	constant_power_C	4485.54	1474.33	2242.77	737.165
load	N_1200157294	constant_power_B_real	4485.54	0.0	2242.77	0.0
load	N_1200157294	constant_power_C_real	4485.54	0.0	2242.77	0.0
load	N_1200157294	constant_power_B_reac	1474.33	0.0	737.165	0.0
load	N_1200157294	constant_power_C_reac	1474.33	0.0	737.165	0.0
load	N_1200100109	constant_power_A	18412.6	6051.94	9206.3	3025.97
load	N_1200100109	constant_power_B	18412.6	6051.94	9206.3	3025.97
load	N_1200100109	constant_power_C	18412.6	6051.94	9206.3	3025.97
load	N_1200100109	constant_power_A_real	18412.6	0.0	9206.3	0.0
load	N_1200100109	constant_power_B_real	18412.6	0.0	9206.3	0.0
load	N_1200100109	constant_power_C_real	18412.6	0.0	9206.3	0.0
load	N_1200100109	constant_power_A_reac	6051.94	0.0	3025.97	0.0
load	N_1200100109	constant_power_B_reac	6051.94	0.0	3025.97	0.0
load	N_1200100109	constant_power_C_reac	6051.94	0.0	3025.97	0.0
load	N_1200157290	constant_power_A	2214.38	727.832	1107.19	363.916
load	N_1200157290	constant_power_B	2214.38	727.832	1107.19	363.916
load	N_1200157290	constant_power_A_real	2214.38	0.0	1107.19	0.0
load	N_1200157290	constant_power_B_real	2214.38	0.0	1107.19	0.0
load	N_1200157290	constant_power_A_reac	727.832	0.0	363.916	0.0
load	N_1200157290	constant_power_B_reac	727.832	0.0	363.916	0.0
load	N_1200157358	constant_power_A	5488.64	1804.03	2744.32	902.015
load	N_1200157358	constant_power_B	5488.64	1804.03	2744.32	902.015
load	N_1200157358	constant_power_C	5488.64	1804.03	2744.32	902.015
load	N_1200157358	constant_power_A_real	5488.64	0.0	2744.32	0.0
load	N_1200157358	constant_power_B_real	5488.64	0.0	2744.32	0.0
load	N_1200157358	constant_power_C_real	5488.64	0.0	2744.32	0.0
load	N_1200157358	constant_power_A_reac	1804.03	0.0	902.015	0.0
load	N_1200157358	constant_power_B_reac	1804.03	0.0	902.015	0.0
load	N_1200157358	constant_power_C_reac	1804.03	0.0	902.015	0.0
load	N_1200065379	constant_power_A	2390.13	785.597	1195.065	392.7985
load	N_1200065379	constant_power_B	2390.13	785.597	1195.065	392.7985
load	N_1200065379	constant_power_C	2390.13	785.597	1195.065	392.7985
load	N_1200065379	constant_power_A_real	2390.13	0.0	1195.065	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200065379	constant_power_B_real	2390.13	0.0	1195.065	0.0
load	N_1200065379	constant_power_C_real	2390.13	0.0	1195.065	0.0
load	N_1200065379	constant_power_A_reac	785.597	0.0	392.7985	0.0
load	N_1200065379	constant_power_B_reac	785.597	0.0	392.7985	0.0
load	N_1200065379	constant_power_C_reac	785.597	0.0	392.7985	0.0
load	N_1200507322	constant_power_A	186.56	115.62	93.28	57.81
load	N_1200507322	constant_power_B	186.56	115.62	93.28	57.81
load	N_1200507322	constant_power_A_real	186.56	0.0	93.28	0.0
load	N_1200507322	constant_power_B_real	186.56	0.0	93.28	0.0
load	N_1200507322	constant_power_A_reac	115.62	0.0	57.81	0.0
load	N_1200507322	constant_power_B_reac	115.62	0.0	57.81	0.0
load	N_1200507321	constant_power_A	113.558	70.3769	56.779	35.18845
load	N_1200507321	constant_power_B	113.558	70.3769	56.779	35.18845
load	N_1200507321	constant_power_A_real	113.558	0.0	56.779	0.0
load	N_1200507321	constant_power_B_real	113.558	0.0	56.779	0.0
load	N_1200507321	constant_power_A_reac	70.3769	0.0	35.18845	0.0
load	N_1200507321	constant_power_B_reac	70.3769	0.0	35.18845	0.0
load	N_1200109080	constant_power_A	3674.41	1207.72	1837.205	603.86
load	N_1200109080	constant_power_B	3674.41	1207.72	1837.205	603.86
load	N_1200109080	constant_power_A_real	3674.41	0.0	1837.205	0.0
load	N_1200109080	constant_power_B_real	3674.41	0.0	1837.205	0.0
load	N_1200109080	constant_power_A_reac	1207.72	0.0	603.86	0.0
load	N_1200109080	constant_power_B_reac	1207.72	0.0	603.86	0.0
load	N_1200093570	constant_power_A	605.643	375.344	302.8215	187.672
load	N_1200093570	constant_power_B	605.643	375.344	302.8215	187.672
load	N_1200093570	constant_power_C	605.643	375.344	302.8215	187.672
load	N_1200093570	constant_power_A_real	605.643	0.0	302.8215	0.0
load	N_1200093570	constant_power_B_real	605.643	0.0	302.8215	0.0
load	N_1200093570	constant_power_C_real	605.643	0.0	302.8215	0.0
load	N_1200093570	constant_power_A_reac	375.344	0.0	187.672	0.0
load	N_1200093570	constant_power_B_reac	375.344	0.0	187.672	0.0
load	N_1200093570	constant_power_C_reac	375.344	0.0	187.672	0.0
load	N_1200156776	constant_power_A	2698.36	886.907	1349.18	443.4535
load	N_1200156776	constant_power_B	2698.36	886.907	1349.18	443.4535
load	N_1200156776	constant_power_C	2698.36	886.907	1349.18	443.4535
load	N_1200156776	constant_power_A_real	2698.36	0.0	1349.18	0.0
load	N_1200156776	constant_power_B_real	2698.36	0.0	1349.18	0.0
load	N_1200156776	constant_power_C_real	2698.36	0.0	1349.18	0.0
load	N_1200156776	constant_power_A_reac	886.907	0.0	443.4535	0.0
load	N_1200156776	constant_power_B_reac	886.907	0.0	443.4535	0.0
load	N_1200156776	constant_power_C_reac	886.907	0.0	443.4535	0.0
load	N_1200156777	constant_power_A	4726.18	1553.42	2363.09	776.71
load	N_1200156777	constant_power_B	4726.18	1553.42	2363.09	776.71
load	N_1200156777	constant_power_C	4726.18	1553.42	2363.09	776.71
load	N_1200156777	constant_power_A_real	4726.18	0.0	2363.09	0.0
load	N_1200156777	constant_power_B_real	4726.18	0.0	2363.09	0.0
load	N_1200156777	constant_power_C_real	4726.18	0.0	2363.09	0.0
load	N_1200156777	constant_power_A_reac	1553.42	0.0	776.71	0.0
load	N_1200156777	constant_power_B_reac	1553.42	0.0	776.71	0.0
load	N_1200156777	constant_power_C_reac	1553.42	0.0	776.71	0.0
load	N_1200156774	constant_power_A	2979.55	979.33	1489.775	489.665
load	N_1200156774	constant_power_B	2979.55	979.33	1489.775	489.665
load	N_1200156774	constant_power_C	2979.55	979.33	1489.775	489.665
load	N_1200156774	constant_power_A_real	2979.55	0.0	1489.775	0.0
load	N_1200156774	constant_power_B_real	2979.55	0.0	1489.775	0.0
load	N_1200156774	constant_power_C_real	2979.55	0.0	1489.775	0.0
load	N_1200156774	constant_power_A_reac	979.33	0.0	489.665	0.0
load	N_1200156774	constant_power_B_reac	979.33	0.0	489.665	0.0
load	N_1200156774	constant_power_C_reac	979.33	0.0	489.665	0.0
load	N_1200156775	constant_power_A	43.2603	26.8103	21.63015	13.40515
load	N_1200156775	constant_power_B	43.2603	26.8103	21.63015	13.40515
load	N_1200156775	constant_power_C	43.2603	26.8103	21.63015	13.40515
load	N_1200156775	constant_power_A_real	43.2603	0.0	21.63015	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156775	constant_power_B_real	43.2603	0.0	21.63015	0.0
load	N_1200156775	constant_power_C_real	43.2603	0.0	21.63015	0.0
load	N_1200156775	constant_power_A_reac	26.8103	0.0	13.40515	0.0
load	N_1200156775	constant_power_B_reac	26.8103	0.0	13.40515	0.0
load	N_1200156775	constant_power_C_reac	26.8103	0.0	13.40515	0.0
load	N_1200156778	constant_power_A	2460.42	808.702	1230.21	404.351
load	N_1200156778	constant_power_B	2460.42	808.702	1230.21	404.351
load	N_1200156778	constant_power_C	2460.42	808.702	1230.21	404.351
load	N_1200156778	constant_power_A_real	2460.42	0.0	1230.21	0.0
load	N_1200156778	constant_power_B_real	2460.42	0.0	1230.21	0.0
load	N_1200156778	constant_power_C_real	2460.42	0.0	1230.21	0.0
load	N_1200156778	constant_power_A_reac	808.702	0.0	404.351	0.0
load	N_1200156778	constant_power_B_reac	808.702	0.0	404.351	0.0
load	N_1200156778	constant_power_C_reac	808.702	0.0	404.351	0.0
load	N_1200156779	constant_power_A	10090.4	3316.57	5045.2	1658.285
load	N_1200156779	constant_power_B	10090.4	3316.57	5045.2	1658.285
load	N_1200156779	constant_power_A_real	10090.4	0.0	5045.2	0.0
load	N_1200156779	constant_power_B_real	10090.4	0.0	5045.2	0.0
load	N_1200156779	constant_power_A_reac	3316.57	0.0	1658.285	0.0
load	N_1200156779	constant_power_B_reac	3316.57	0.0	1658.285	0.0
load	N_1200110312	constant_power_A	2514.5	826.476	1257.25	413.238
load	N_1200110312	constant_power_B	2514.5	826.476	1257.25	413.238
load	N_1200110312	constant_power_C	2514.5	826.476	1257.25	413.238
load	N_1200110312	constant_power_A_real	2514.5	0.0	1257.25	0.0
load	N_1200110312	constant_power_B_real	2514.5	0.0	1257.25	0.0
load	N_1200110312	constant_power_C_real	2514.5	0.0	1257.25	0.0
load	N_1200110312	constant_power_A_reac	826.476	0.0	413.238	0.0
load	N_1200110312	constant_power_B_reac	826.476	0.0	413.238	0.0
load	N_1200110312	constant_power_C_reac	826.476	0.0	413.238	0.0
load	N_1200110313	constant_power_A	2325.24	770.564	1162.62	385.282
load	N_1200110313	constant_power_B	2325.24	770.564	1162.62	385.282
load	N_1200110313	constant_power_C	2325.24	770.564	1162.62	385.282
load	N_1200110313	constant_power_A_real	2325.24	0.0	1162.62	0.0
load	N_1200110313	constant_power_B_real	2325.24	0.0	1162.62	0.0
load	N_1200110313	constant_power_C_real	2325.24	0.0	1162.62	0.0
load	N_1200110313	constant_power_A_reac	770.564	0.0	385.282	0.0
load	N_1200110313	constant_power_B_reac	770.564	0.0	385.282	0.0
load	N_1200110313	constant_power_C_reac	770.564	0.0	385.282	0.0
load	N_1200110310	constant_power_A	1389.73	456.783	694.865	228.3915
load	N_1200110310	constant_power_B	1389.73	456.783	694.865	228.3915
load	N_1200110310	constant_power_C	1389.73	456.783	694.865	228.3915
load	N_1200110310	constant_power_A_real	1389.73	0.0	694.865	0.0
load	N_1200110310	constant_power_B_real	1389.73	0.0	694.865	0.0
load	N_1200110310	constant_power_C_real	1389.73	0.0	694.865	0.0
load	N_1200110310	constant_power_A_reac	456.783	0.0	228.3915	0.0
load	N_1200110310	constant_power_B_reac	456.783	0.0	228.3915	0.0
load	N_1200110310	constant_power_C_reac	456.783	0.0	228.3915	0.0
load	N_1200110315	constant_power_A	9052.2	3738.66	4526.1	1869.33
load	N_1200110315	constant_power_B	9052.2	3738.66	4526.1	1869.33
load	N_1200110315	constant_power_C	9052.2	3738.66	4526.1	1869.33
load	N_1200110315	constant_power_A_real	9052.2	0.0	4526.1	0.0
load	N_1200110315	constant_power_B_real	9052.2	0.0	4526.1	0.0
load	N_1200110315	constant_power_C_real	9052.2	0.0	4526.1	0.0
load	N_1200110315	constant_power_A_reac	3738.66	0.0	1869.33	0.0
load	N_1200110315	constant_power_B_reac	3738.66	0.0	1869.33	0.0
load	N_1200110315	constant_power_C_reac	3738.66	0.0	1869.33	0.0
load	N_1200031384	constant_power_A	1725.0	634.659	862.5	317.3295
load	N_1200031384	constant_power_B	1725.0	634.659	862.5	317.3295
load	N_1200031384	constant_power_C	1725.0	634.659	862.5	317.3295
load	N_1200031384	constant_power_A_real	1725.0	0.0	862.5	0.0
load	N_1200031384	constant_power_B_real	1725.0	0.0	862.5	0.0
load	N_1200031384	constant_power_C_real	1725.0	0.0	862.5	0.0
load	N_1200031384	constant_power_A_reac	634.659	0.0	317.3295	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200031384	constant_power_B_reac	634.659	0.0	317.3295	0.0
load	N_1200031384	constant_power_C_reac	634.659	0.0	317.3295	0.0
load	N_1200058620	constant_power_A	6034.8	1983.54	3017.4	991.77
load	N_1200058620	constant_power_B	6034.8	1983.54	3017.4	991.77
load	N_1200058620	constant_power_A_real	6034.8	0.0	3017.4	0.0
load	N_1200058620	constant_power_B_real	6034.8	0.0	3017.4	0.0
load	N_1200058620	constant_power_A_reac	1983.54	0.0	991.77	0.0
load	N_1200058620	constant_power_B_reac	1983.54	0.0	991.77	0.0
load	N_1200156722	constant_power_A	1903.45	625.633	951.725	312.8165
load	N_1200156722	constant_power_B	1903.45	625.633	951.725	312.8165
load	N_1200156722	constant_power_C	1903.45	625.633	951.725	312.8165
load	N_1200156722	constant_power_A_real	1903.45	0.0	951.725	0.0
load	N_1200156722	constant_power_B_real	1903.45	0.0	951.725	0.0
load	N_1200156722	constant_power_C_real	1903.45	0.0	951.725	0.0
load	N_1200156722	constant_power_A_reac	625.633	0.0	312.8165	0.0
load	N_1200156722	constant_power_B_reac	625.633	0.0	312.8165	0.0
load	N_1200156722	constant_power_C_reac	625.633	0.0	312.8165	0.0
load	N_1200087308	constant_power_A	838.166	275.492	419.083	137.746
load	N_1200087308	constant_power_B	838.166	275.492	419.083	137.746
load	N_1200087308	constant_power_C	838.166	275.492	419.083	137.746
load	N_1200087308	constant_power_A_real	838.166	0.0	419.083	0.0
load	N_1200087308	constant_power_B_real	838.166	0.0	419.083	0.0
load	N_1200087308	constant_power_C_real	838.166	0.0	419.083	0.0
load	N_1200087308	constant_power_A_reac	275.492	0.0	137.746	0.0
load	N_1200087308	constant_power_B_reac	275.492	0.0	137.746	0.0
load	N_1200087308	constant_power_C_reac	275.492	0.0	137.746	0.0
load	N_1200156923	constant_power_A	4277.35	1405.9	2138.675	702.95
load	N_1200156923	constant_power_B	4277.35	1405.9	2138.675	702.95
load	N_1200156923	constant_power_C	4277.35	1405.9	2138.675	702.95
load	N_1200156923	constant_power_A_real	4277.35	0.0	2138.675	0.0
load	N_1200156923	constant_power_B_real	4277.35	0.0	2138.675	0.0
load	N_1200156923	constant_power_C_real	4277.35	0.0	2138.675	0.0
load	N_1200156923	constant_power_A_reac	1405.9	0.0	702.95	0.0
load	N_1200156923	constant_power_B_reac	1405.9	0.0	702.95	0.0
load	N_1200156923	constant_power_C_reac	1405.9	0.0	702.95	0.0
load	N_1200156922	constant_power_A	1514.11	497.663	757.055	248.8315
load	N_1200156922	constant_power_B	1514.11	497.663	757.055	248.8315
load	N_1200156922	constant_power_C	1514.11	497.663	757.055	248.8315
load	N_1200156922	constant_power_A_real	1514.11	0.0	757.055	0.0
load	N_1200156922	constant_power_B_real	1514.11	0.0	757.055	0.0
load	N_1200156922	constant_power_C_real	1514.11	0.0	757.055	0.0
load	N_1200156922	constant_power_A_reac	497.663	0.0	248.8315	0.0
load	N_1200156922	constant_power_B_reac	497.663	0.0	248.8315	0.0
load	N_1200156922	constant_power_C_reac	497.663	0.0	248.8315	0.0
load	N_1200156921	constant_power_A	5277.74	1734.71	2638.87	867.355
load	N_1200156921	constant_power_B	5277.74	1734.71	2638.87	867.355
load	N_1200156921	constant_power_C	5277.74	1734.71	2638.87	867.355
load	N_1200156921	constant_power_A_real	5277.74	0.0	2638.87	0.0
load	N_1200156921	constant_power_B_real	5277.74	0.0	2638.87	0.0
load	N_1200156921	constant_power_C_real	5277.74	0.0	2638.87	0.0
load	N_1200156921	constant_power_A_reac	1734.71	0.0	867.355	0.0
load	N_1200156921	constant_power_B_reac	1734.71	0.0	867.355	0.0
load	N_1200156921	constant_power_C_reac	1734.71	0.0	867.355	0.0
load	N_1200156920	constant_power_A	4780.25	1571.19	2390.125	785.595
load	N_1200156920	constant_power_B	4780.25	1571.19	2390.125	785.595
load	N_1200156920	constant_power_C	4780.25	1571.19	2390.125	785.595
load	N_1200156920	constant_power_A_real	4780.25	0.0	2390.125	0.0
load	N_1200156920	constant_power_B_real	4780.25	0.0	2390.125	0.0
load	N_1200156920	constant_power_C_real	4780.25	0.0	2390.125	0.0
load	N_1200156920	constant_power_A_reac	1571.19	0.0	785.595	0.0
load	N_1200156920	constant_power_B_reac	1571.19	0.0	785.595	0.0
load	N_1200156920	constant_power_C_reac	1571.19	0.0	785.595	0.0
load	N_1200156926	constant_power_A	719.201	236.39	359.6005	118.195

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156926	constant_power_B	719.201	236.39	359.6005	118.195
load	N_1200156926	constant_power_C	719.201	236.39	359.6005	118.195
load	N_1200156926	constant_power_A_real	719.201	0.0	359.6005	0.0
load	N_1200156926	constant_power_B_real	719.201	0.0	359.6005	0.0
load	N_1200156926	constant_power_C_real	719.201	0.0	359.6005	0.0
load	N_1200156926	constant_power_A_reac	236.39	0.0	118.195	0.0
load	N_1200156926	constant_power_B_reac	236.39	0.0	118.195	0.0
load	N_1200156926	constant_power_C_reac	236.39	0.0	118.195	0.0
load	N_1200510930	constant_power_A	967.947	599.88	483.9735	299.94
load	N_1200510930	constant_power_B	967.947	599.88	483.9735	299.94
load	N_1200510930	constant_power_C	967.947	599.88	483.9735	299.94
load	N_1200510930	constant_power_A_real	967.947	0.0	483.9735	0.0
load	N_1200510930	constant_power_B_real	967.947	0.0	483.9735	0.0
load	N_1200510930	constant_power_C_real	967.947	0.0	483.9735	0.0
load	N_1200510930	constant_power_A_reac	599.88	0.0	299.94	0.0
load	N_1200510930	constant_power_B_reac	599.88	0.0	299.94	0.0
load	N_1200510930	constant_power_C_reac	599.88	0.0	299.94	0.0
load	N_1200156929	constant_power_A	3163.4	1039.76	1581.7	519.88
load	N_1200156929	constant_power_B	3163.4	1039.76	1581.7	519.88
load	N_1200156929	constant_power_C	3163.4	1039.76	1581.7	519.88
load	N_1200156929	constant_power_A_real	3163.4	0.0	1581.7	0.0
load	N_1200156929	constant_power_B_real	3163.4	0.0	1581.7	0.0
load	N_1200156929	constant_power_C_real	3163.4	0.0	1581.7	0.0
load	N_1200156929	constant_power_A_reac	1039.76	0.0	519.88	0.0
load	N_1200156929	constant_power_B_reac	1039.76	0.0	519.88	0.0
load	N_1200156929	constant_power_C_reac	1039.76	0.0	519.88	0.0
load	N_1200156928	constant_power_A	1108.54	364.36	554.27	182.18
load	N_1200156928	constant_power_B	1108.54	364.36	554.27	182.18
load	N_1200156928	constant_power_C	1108.54	364.36	554.27	182.18
load	N_1200156928	constant_power_A_real	1108.54	0.0	554.27	0.0
load	N_1200156928	constant_power_B_real	1108.54	0.0	554.27	0.0
load	N_1200156928	constant_power_C_real	1108.54	0.0	554.27	0.0
load	N_1200156928	constant_power_A_reac	364.36	0.0	182.18	0.0
load	N_1200156928	constant_power_B_reac	364.36	0.0	182.18	0.0
load	N_1200156928	constant_power_C_reac	364.36	0.0	182.18	0.0
load	N_1200091810	constant_power_A	2898.43	952.669	1449.215	476.3345
load	N_1200091810	constant_power_B	2898.43	952.669	1449.215	476.3345
load	N_1200091810	constant_power_C	2898.43	952.669	1449.215	476.3345
load	N_1200091810	constant_power_A_real	2898.43	0.0	1449.215	0.0
load	N_1200091810	constant_power_B_real	2898.43	0.0	1449.215	0.0
load	N_1200091810	constant_power_C_real	2898.43	0.0	1449.215	0.0
load	N_1200091810	constant_power_A_reac	952.669	0.0	476.3345	0.0
load	N_1200091810	constant_power_B_reac	952.669	0.0	476.3345	0.0
load	N_1200091810	constant_power_C_reac	952.669	0.0	476.3345	0.0
load	N_1200157007	constant_power_A	892.242	293.266	446.121	146.633
load	N_1200157007	constant_power_B	892.242	293.266	446.121	146.633
load	N_1200157007	constant_power_C	892.242	293.266	446.121	146.633
load	N_1200157007	constant_power_A_real	892.242	0.0	446.121	0.0
load	N_1200157007	constant_power_B_real	892.242	0.0	446.121	0.0
load	N_1200157007	constant_power_C_real	892.242	0.0	446.121	0.0
load	N_1200157007	constant_power_A_reac	293.266	0.0	146.633	0.0
load	N_1200157007	constant_power_B_reac	293.266	0.0	146.633	0.0
load	N_1200157007	constant_power_C_reac	293.266	0.0	146.633	0.0
load	N_1200157009	constant_power_A	9079.24	5626.8	4539.62	2813.4
load	N_1200157009	constant_power_B	9079.24	5626.8	4539.62	2813.4
load	N_1200157009	constant_power_C	9079.24	5626.8	4539.62	2813.4
load	N_1200157009	constant_power_A_real	9079.24	0.0	4539.62	0.0
load	N_1200157009	constant_power_B_real	9079.24	0.0	4539.62	0.0
load	N_1200157009	constant_power_C_real	9079.24	0.0	4539.62	0.0
load	N_1200157009	constant_power_A_reac	5626.8	0.0	2813.4	0.0
load	N_1200157009	constant_power_B_reac	5626.8	0.0	2813.4	0.0
load	N_1200157009	constant_power_C_reac	5626.8	0.0	2813.4	0.0
load	N_1200146579	constant_power_A	1730.41	1072.41	865.205	536.205

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200146579	constant_power_B	1730.41	1072.41	865.205	536.205
load	N_1200146579	constant_power_C	1730.41	1072.41	865.205	536.205
load	N_1200146579	constant_power_A_real	1730.41	0.0	865.205	0.0
load	N_1200146579	constant_power_B_real	1730.41	0.0	865.205	0.0
load	N_1200146579	constant_power_C_real	1730.41	0.0	865.205	0.0
load	N_1200146579	constant_power_A_reac	1072.41	0.0	536.205	0.0
load	N_1200146579	constant_power_B_reac	1072.41	0.0	536.205	0.0
load	N_1200146579	constant_power_C_reac	1072.41	0.0	536.205	0.0
load	N_1200156859	constant_power_A	3195.85	1771.28	1597.925	885.64
load	N_1200156859	constant_power_B	3195.85	1771.28	1597.925	885.64
load	N_1200156859	constant_power_C	3195.85	1771.28	1597.925	885.64
load	N_1200156859	constant_power_A_real	3195.85	0.0	1597.925	0.0
load	N_1200156859	constant_power_B_real	3195.85	0.0	1597.925	0.0
load	N_1200156859	constant_power_C_real	3195.85	0.0	1597.925	0.0
load	N_1200156859	constant_power_A_reac	1771.28	0.0	885.64	0.0
load	N_1200156859	constant_power_B_reac	1771.28	0.0	885.64	0.0
load	N_1200156859	constant_power_C_reac	1771.28	0.0	885.64	0.0
load	N_1200156856	constant_power_A	378.527	234.59	189.2635	117.295
load	N_1200156856	constant_power_B	378.527	234.59	189.2635	117.295
load	N_1200156856	constant_power_C	378.527	234.59	189.2635	117.295
load	N_1200156856	constant_power_A_real	378.527	0.0	189.2635	0.0
load	N_1200156856	constant_power_B_real	378.527	0.0	189.2635	0.0
load	N_1200156856	constant_power_C_real	378.527	0.0	189.2635	0.0
load	N_1200156856	constant_power_A_reac	234.59	0.0	117.295	0.0
load	N_1200156856	constant_power_B_reac	234.59	0.0	117.295	0.0
load	N_1200156856	constant_power_C_reac	234.59	0.0	117.295	0.0
load	N_1200156855	constant_power_A	4915.44	1615.63	2457.72	807.815
load	N_1200156855	constant_power_B	4915.44	1615.63	2457.72	807.815
load	N_1200156855	constant_power_A_real	4915.44	0.0	2457.72	0.0
load	N_1200156855	constant_power_B_real	4915.44	0.0	2457.72	0.0
load	N_1200156855	constant_power_A_reac	1615.63	0.0	807.815	0.0
load	N_1200156855	constant_power_B_reac	1615.63	0.0	807.815	0.0
load	N_1200156852	constant_power_A	2546.94	837.14	1273.47	418.57
load	N_1200156852	constant_power_B	2546.94	837.14	1273.47	418.57
load	N_1200156852	constant_power_C	2546.94	837.14	1273.47	418.57
load	N_1200156852	constant_power_A_real	2546.94	0.0	1273.47	0.0
load	N_1200156852	constant_power_B_real	2546.94	0.0	1273.47	0.0
load	N_1200156852	constant_power_C_real	2546.94	0.0	1273.47	0.0
load	N_1200156852	constant_power_A_reac	837.14	0.0	418.57	0.0
load	N_1200156852	constant_power_B_reac	837.14	0.0	418.57	0.0
load	N_1200156852	constant_power_C_reac	837.14	0.0	418.57	0.0
load	N_1200156851	constant_power_A	389.342	127.971	194.671	63.9855
load	N_1200156851	constant_power_B	389.342	127.971	194.671	63.9855
load	N_1200156851	constant_power_C	389.342	127.971	194.671	63.9855
load	N_1200156851	constant_power_A_real	389.342	0.0	194.671	0.0
load	N_1200156851	constant_power_B_real	389.342	0.0	194.671	0.0
load	N_1200156851	constant_power_C_real	389.342	0.0	194.671	0.0
load	N_1200156851	constant_power_A_reac	127.971	0.0	63.9855	0.0
load	N_1200156851	constant_power_B_reac	127.971	0.0	63.9855	0.0
load	N_1200156851	constant_power_C_reac	127.971	0.0	63.9855	0.0
load	N_1200156850	constant_power_A	556.975	183.069	278.4875	91.5345
load	N_1200156850	constant_power_B	556.975	183.069	278.4875	91.5345
load	N_1200156850	constant_power_C	556.975	183.069	278.4875	91.5345
load	N_1200156850	constant_power_A_real	556.975	0.0	278.4875	0.0
load	N_1200156850	constant_power_B_real	556.975	0.0	278.4875	0.0
load	N_1200156850	constant_power_C_real	556.975	0.0	278.4875	0.0
load	N_1200156850	constant_power_A_reac	183.069	0.0	91.5345	0.0
load	N_1200156850	constant_power_B_reac	183.069	0.0	91.5345	0.0
load	N_1200156850	constant_power_C_reac	183.069	0.0	91.5345	0.0
load	N_1200093675	constant_power_A	59642.3	19603.5	29821.15	9801.75
load	N_1200093675	constant_power_B	59642.3	19603.5	29821.15	9801.75
load	N_1200093675	constant_power_A_real	59642.3	0.0	29821.15	0.0
load	N_1200093675	constant_power_B_real	59642.3	0.0	29821.15	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200093675	constant_power_A_reac	19603.5	0.0	9801.75	0.0
load	N_1200093675	constant_power_B_reac	19603.5	0.0	9801.75	0.0
load	N_1200093674	constant_power_A	38504.3	12655.7	19252.15	6327.85
load	N_1200093674	constant_power_B	38504.3	12655.7	19252.15	6327.85
load	N_1200093674	constant_power_A_real	38504.3	0.0	19252.15	0.0
load	N_1200093674	constant_power_B_real	38504.3	0.0	19252.15	0.0
load	N_1200093674	constant_power_A_reac	12655.7	0.0	6327.85	0.0
load	N_1200093674	constant_power_B_reac	12655.7	0.0	6327.85	0.0
load	N_1200156554	constant_power_A	3060.66	1005.99	1530.33	502.995
load	N_1200156554	constant_power_B	3060.66	1005.99	1530.33	502.995
load	N_1200156554	constant_power_C	3060.66	1005.99	1530.33	502.995
load	N_1200156554	constant_power_A_real	3060.66	0.0	1530.33	0.0
load	N_1200156554	constant_power_B_real	3060.66	0.0	1530.33	0.0
load	N_1200156554	constant_power_C_real	3060.66	0.0	1530.33	0.0
load	N_1200156554	constant_power_A_reac	1005.99	0.0	502.995	0.0
load	N_1200156554	constant_power_B_reac	1005.99	0.0	502.995	0.0
load	N_1200156554	constant_power_C_reac	1005.99	0.0	502.995	0.0
load	N_1200057780	constant_power_A	2925.47	961.556	1462.735	480.778
load	N_1200057780	constant_power_B	2925.47	961.556	1462.735	480.778
load	N_1200057780	constant_power_C	2925.47	961.556	1462.735	480.778
load	N_1200057780	constant_power_A_real	2925.47	0.0	1462.735	0.0
load	N_1200057780	constant_power_B_real	2925.47	0.0	1462.735	0.0
load	N_1200057780	constant_power_C_real	2925.47	0.0	1462.735	0.0
load	N_1200057780	constant_power_A_reac	961.556	0.0	480.778	0.0
load	N_1200057780	constant_power_B_reac	961.556	0.0	480.778	0.0
load	N_1200057780	constant_power_C_reac	961.556	0.0	480.778	0.0
load	N_1200156654	constant_power_A	8500.63	2795.6	4250.315	1397.8
load	N_1200156654	constant_power_B	8500.63	2795.6	4250.315	1397.8
load	N_1200156654	constant_power_C	8500.63	2795.6	4250.315	1397.8
load	N_1200156654	constant_power_A_real	8500.63	0.0	4250.315	0.0
load	N_1200156654	constant_power_B_real	8500.63	0.0	4250.315	0.0
load	N_1200156654	constant_power_C_real	8500.63	0.0	4250.315	0.0
load	N_1200156654	constant_power_A_reac	2795.6	0.0	1397.8	0.0
load	N_1200156654	constant_power_B_reac	2795.6	0.0	1397.8	0.0
load	N_1200156654	constant_power_C_reac	2795.6	0.0	1397.8	0.0
load	N_1200156657	constant_power_A	4709.95	1548.09	2354.975	774.045
load	N_1200156657	constant_power_B	4709.95	1548.09	2354.975	774.045
load	N_1200156657	constant_power_C	4709.95	1548.09	2354.975	774.045
load	N_1200156657	constant_power_A_real	4709.95	0.0	2354.975	0.0
load	N_1200156657	constant_power_B_real	4709.95	0.0	2354.975	0.0
load	N_1200156657	constant_power_C_real	4709.95	0.0	2354.975	0.0
load	N_1200156657	constant_power_A_reac	1548.09	0.0	774.045	0.0
load	N_1200156657	constant_power_B_reac	1548.09	0.0	774.045	0.0
load	N_1200156657	constant_power_C_reac	1548.09	0.0	774.045	0.0
load	N_1200156869	constant_power_A	4077.27	1433.0	2038.635	716.5
load	N_1200156869	constant_power_B	4077.27	1433.0	2038.635	716.5
load	N_1200156869	constant_power_C	4077.27	1433.0	2038.635	716.5
load	N_1200156869	constant_power_A_real	4077.27	0.0	2038.635	0.0
load	N_1200156869	constant_power_B_real	4077.27	0.0	2038.635	0.0
load	N_1200156869	constant_power_C_real	4077.27	0.0	2038.635	0.0
load	N_1200156869	constant_power_A_reac	1433.0	0.0	716.5	0.0
load	N_1200156869	constant_power_B_reac	1433.0	0.0	716.5	0.0
load	N_1200156869	constant_power_C_reac	1433.0	0.0	716.5	0.0
load	N_1200156798	constant_power_A	2536.13	833.586	1268.065	416.793
load	N_1200156798	constant_power_B	2536.13	833.586	1268.065	416.793
load	N_1200156798	constant_power_C	2536.13	833.586	1268.065	416.793
load	N_1200156798	constant_power_A_real	2536.13	0.0	1268.065	0.0
load	N_1200156798	constant_power_B_real	2536.13	0.0	1268.065	0.0
load	N_1200156798	constant_power_C_real	2536.13	0.0	1268.065	0.0
load	N_1200156798	constant_power_A_reac	833.586	0.0	416.793	0.0
load	N_1200156798	constant_power_B_reac	833.586	0.0	416.793	0.0
load	N_1200156798	constant_power_C_reac	833.586	0.0	416.793	0.0
load	N_1200156799	constant_power_A	1330.25	824.416	665.125	412.208

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156799	constant_power_B	1330.25	824.416	665.125	412.208
load	N_1200156799	constant_power_C	1330.25	824.416	665.125	412.208
load	N_1200156799	constant_power_A_real	1330.25	0.0	665.125	0.0
load	N_1200156799	constant_power_B_real	1330.25	0.0	665.125	0.0
load	N_1200156799	constant_power_C_real	1330.25	0.0	665.125	0.0
load	N_1200156799	constant_power_A_reac	824.416	0.0	412.208	0.0
load	N_1200156799	constant_power_B_reac	824.416	0.0	412.208	0.0
load	N_1200156799	constant_power_C_reac	824.416	0.0	412.208	0.0
load	N_1200057413	constant_power_A	4304.39	2667.62	2152.195	1333.81
load	N_1200057413	constant_power_B	4304.39	2667.62	2152.195	1333.81
load	N_1200057413	constant_power_C	4304.39	2667.62	2152.195	1333.81
load	N_1200057413	constant_power_A_real	4304.39	0.0	2152.195	0.0
load	N_1200057413	constant_power_B_real	4304.39	0.0	2152.195	0.0
load	N_1200057413	constant_power_C_real	4304.39	0.0	2152.195	0.0
load	N_1200057413	constant_power_A_reac	2667.62	0.0	1333.81	0.0
load	N_1200057413	constant_power_B_reac	2667.62	0.0	1333.81	0.0
load	N_1200057413	constant_power_C_reac	2667.62	0.0	1333.81	0.0
load	N_1200156796	constant_power_A	2265.75	944.604	1132.875	472.302
load	N_1200156796	constant_power_B	2265.75	944.604	1132.875	472.302
load	N_1200156796	constant_power_C	2265.75	944.604	1132.875	472.302
load	N_1200156796	constant_power_A_real	2265.75	0.0	1132.875	0.0
load	N_1200156796	constant_power_B_real	2265.75	0.0	1132.875	0.0
load	N_1200156796	constant_power_C_real	2265.75	0.0	1132.875	0.0
load	N_1200156796	constant_power_A_reac	944.604	0.0	472.302	0.0
load	N_1200156796	constant_power_B_reac	944.604	0.0	472.302	0.0
load	N_1200156796	constant_power_C_reac	944.604	0.0	472.302	0.0
load	N_1200057410	constant_power_A	1265.36	415.904	632.68	207.952
load	N_1200057410	constant_power_B	1265.36	415.904	632.68	207.952
load	N_1200057410	constant_power_C	1265.36	415.904	632.68	207.952
load	N_1200057410	constant_power_A_real	1265.36	0.0	632.68	0.0
load	N_1200057410	constant_power_B_real	1265.36	0.0	632.68	0.0
load	N_1200057410	constant_power_C_real	1265.36	0.0	632.68	0.0
load	N_1200057410	constant_power_A_reac	415.904	0.0	207.952	0.0
load	N_1200057410	constant_power_B_reac	415.904	0.0	207.952	0.0
load	N_1200057410	constant_power_C_reac	415.904	0.0	207.952	0.0
load	N_1200156659	constant_power_A	1465.44	481.667	732.72	240.8335
load	N_1200156659	constant_power_B	1465.44	481.667	732.72	240.8335
load	N_1200156659	constant_power_C	1465.44	481.667	732.72	240.8335
load	N_1200156659	constant_power_A_real	1465.44	0.0	732.72	0.0
load	N_1200156659	constant_power_B_real	1465.44	0.0	732.72	0.0
load	N_1200156659	constant_power_C_real	1465.44	0.0	732.72	0.0
load	N_1200156659	constant_power_A_reac	481.667	0.0	240.8335	0.0
load	N_1200156659	constant_power_B_reac	481.667	0.0	240.8335	0.0
load	N_1200156659	constant_power_C_reac	481.667	0.0	240.8335	0.0
load	N_1200156791	constant_power_A	7884.17	2591.4	3942.085	1295.7
load	N_1200156791	constant_power_B	7884.17	2591.4	3942.085	1295.7
load	N_1200156791	constant_power_A_real	7884.17	0.0	3942.085	0.0
load	N_1200156791	constant_power_B_real	7884.17	0.0	3942.085	0.0
load	N_1200156791	constant_power_A_reac	2591.4	0.0	1295.7	0.0
load	N_1200156791	constant_power_B_reac	2591.4	0.0	1295.7	0.0
load	N_1200057415	constant_power_A	994.985	616.636	497.4925	308.318
load	N_1200057415	constant_power_B	994.985	616.636	497.4925	308.318
load	N_1200057415	constant_power_C	994.985	616.636	497.4925	308.318
load	N_1200057415	constant_power_A_real	994.985	0.0	497.4925	0.0
load	N_1200057415	constant_power_B_real	994.985	0.0	497.4925	0.0
load	N_1200057415	constant_power_C_real	994.985	0.0	497.4925	0.0
load	N_1200057415	constant_power_A_reac	616.636	0.0	308.318	0.0
load	N_1200057415	constant_power_B_reac	616.636	0.0	308.318	0.0
load	N_1200057415	constant_power_C_reac	616.636	0.0	308.318	0.0
load	N_1200156793	constant_power_A	3698.75	1215.72	1849.375	607.86
load	N_1200156793	constant_power_B	3698.75	1215.72	1849.375	607.86
load	N_1200156793	constant_power_C	3698.75	1215.72	1849.375	607.86
load	N_1200156793	constant_power_A_real	3698.75	0.0	1849.375	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156793	constant_power_B_real	3698.75	0.0	1849.375	0.0
load	N_1200156793	constant_power_C_real	3698.75	0.0	1849.375	0.0
load	N_1200156793	constant_power_A_reac	1215.72	0.0	607.86	0.0
load	N_1200156793	constant_power_B_reac	1215.72	0.0	607.86	0.0
load	N_1200156793	constant_power_C_reac	1215.72	0.0	607.86	0.0
load	N_1200090562	constant_power_A	2184.64	762.126	1092.32	381.063
load	N_1200090562	constant_power_B	2184.64	762.126	1092.32	381.063
load	N_1200090562	constant_power_C	2184.64	762.126	1092.32	381.063
load	N_1200090562	constant_power_A_real	2184.64	0.0	1092.32	0.0
load	N_1200090562	constant_power_B_real	2184.64	0.0	1092.32	0.0
load	N_1200090562	constant_power_C_real	2184.64	0.0	1092.32	0.0
load	N_1200090562	constant_power_A_reac	762.126	0.0	381.063	0.0
load	N_1200090562	constant_power_B_reac	762.126	0.0	381.063	0.0
load	N_1200090562	constant_power_C_reac	762.126	0.0	381.063	0.0
load	N_1200157319	constant_power_A	4201.65	2603.95	2100.825	1301.975
load	N_1200157319	constant_power_B	4201.65	2603.95	2100.825	1301.975
load	N_1200157319	constant_power_C	4201.65	2603.95	2100.825	1301.975
load	N_1200157319	constant_power_A_real	4201.65	0.0	2100.825	0.0
load	N_1200157319	constant_power_B_real	4201.65	0.0	2100.825	0.0
load	N_1200157319	constant_power_C_real	4201.65	0.0	2100.825	0.0
load	N_1200157319	constant_power_A_reac	2603.95	0.0	1301.975	0.0
load	N_1200157319	constant_power_B_reac	2603.95	0.0	1301.975	0.0
load	N_1200157319	constant_power_C_reac	2603.95	0.0	1301.975	0.0
load	N_1200157318	constant_power_A	3363.48	2084.5	1681.74	1042.25
load	N_1200157318	constant_power_B	3363.48	2084.5	1681.74	1042.25
load	N_1200157318	constant_power_C	3363.48	2084.5	1681.74	1042.25
load	N_1200157318	constant_power_A_real	3363.48	0.0	1681.74	0.0
load	N_1200157318	constant_power_B_real	3363.48	0.0	1681.74	0.0
load	N_1200157318	constant_power_C_real	3363.48	0.0	1681.74	0.0
load	N_1200157318	constant_power_A_reac	2084.5	0.0	1042.25	0.0
load	N_1200157318	constant_power_B_reac	2084.5	0.0	1042.25	0.0
load	N_1200157318	constant_power_C_reac	2084.5	0.0	1042.25	0.0
load	N_1200100277	constant_power_A	2974.14	1843.21	1487.07	921.605
load	N_1200100277	constant_power_B	2974.14	1843.21	1487.07	921.605
load	N_1200100277	constant_power_C	2974.14	1843.21	1487.07	921.605
load	N_1200100277	constant_power_A_real	2974.14	0.0	1487.07	0.0
load	N_1200100277	constant_power_B_real	2974.14	0.0	1487.07	0.0
load	N_1200100277	constant_power_C_real	2974.14	0.0	1487.07	0.0
load	N_1200100277	constant_power_A_reac	1843.21	0.0	921.605	0.0
load	N_1200100277	constant_power_B_reac	1843.21	0.0	921.605	0.0
load	N_1200100277	constant_power_C_reac	1843.21	0.0	921.605	0.0
load	N_1200157313	constant_power_A	8392.48	3142.51	4196.24	1571.255
load	N_1200157313	constant_power_B	8392.48	3142.51	4196.24	1571.255
load	N_1200157313	constant_power_C	8392.48	3142.51	4196.24	1571.255
load	N_1200157313	constant_power_A_real	8392.48	0.0	4196.24	0.0
load	N_1200157313	constant_power_B_real	8392.48	0.0	4196.24	0.0
load	N_1200157313	constant_power_C_real	8392.48	0.0	4196.24	0.0
load	N_1200157313	constant_power_A_reac	3142.51	0.0	1571.255	0.0
load	N_1200157313	constant_power_B_reac	3142.51	0.0	1571.255	0.0
load	N_1200157313	constant_power_C_reac	3142.51	0.0	1571.255	0.0
load	N_1200157311	constant_power_A	794.906	492.639	397.453	246.3195
load	N_1200157311	constant_power_B	794.906	492.639	397.453	246.3195
load	N_1200157311	constant_power_C	794.906	492.639	397.453	246.3195
load	N_1200157311	constant_power_A_real	794.906	0.0	397.453	0.0
load	N_1200157311	constant_power_B_real	794.906	0.0	397.453	0.0
load	N_1200157311	constant_power_C_real	794.906	0.0	397.453	0.0
load	N_1200157311	constant_power_A_reac	492.639	0.0	246.3195	0.0
load	N_1200157311	constant_power_B_reac	492.639	0.0	246.3195	0.0
load	N_1200157311	constant_power_C_reac	492.639	0.0	246.3195	0.0
load	N_1200157316	constant_power_A	1811.52	1122.68	905.76	561.34
load	N_1200157316	constant_power_B	1811.52	1122.68	905.76	561.34
load	N_1200157316	constant_power_C	1811.52	1122.68	905.76	561.34
load	N_1200157316	constant_power_A_real	1811.52	0.0	905.76	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157316	constant_power_B_real	1811.52	0.0	905.76	0.0
load	N_1200157316	constant_power_C_real	1811.52	0.0	905.76	0.0
load	N_1200157316	constant_power_A_reac	1122.68	0.0	561.34	0.0
load	N_1200157316	constant_power_B_reac	1122.68	0.0	561.34	0.0
load	N_1200157316	constant_power_C_reac	1122.68	0.0	561.34	0.0
load	N_1200018850	constant_power_A	4044.83	1329.47	2022.415	664.735
load	N_1200018850	constant_power_B	4044.83	1329.47	2022.415	664.735
load	N_1200018850	constant_power_C	4044.83	1329.47	2022.415	664.735
load	N_1200018850	constant_power_A_real	4044.83	0.0	2022.415	0.0
load	N_1200018850	constant_power_B_real	4044.83	0.0	2022.415	0.0
load	N_1200018850	constant_power_C_real	4044.83	0.0	2022.415	0.0
load	N_1200018850	constant_power_A_reac	1329.47	0.0	664.735	0.0
load	N_1200018850	constant_power_B_reac	1329.47	0.0	664.735	0.0
load	N_1200018850	constant_power_C_reac	1329.47	0.0	664.735	0.0
load	N_1200157314	constant_power_A	216.301	134.051	108.1505	67.0255
load	N_1200157314	constant_power_B	216.301	134.051	108.1505	67.0255
load	N_1200157314	constant_power_C	216.301	134.051	108.1505	67.0255
load	N_1200157314	constant_power_A_real	216.301	0.0	108.1505	0.0
load	N_1200157314	constant_power_B_real	216.301	0.0	108.1505	0.0
load	N_1200157314	constant_power_C_real	216.301	0.0	108.1505	0.0
load	N_1200157314	constant_power_A_reac	134.051	0.0	67.0255	0.0
load	N_1200157314	constant_power_B_reac	134.051	0.0	67.0255	0.0
load	N_1200157314	constant_power_C_reac	134.051	0.0	67.0255	0.0
load	N_1200157252	constant_power_A	2352.27	773.155	1176.135	386.5775
load	N_1200157252	constant_power_B	2352.27	773.155	1176.135	386.5775
load	N_1200157252	constant_power_A_real	2352.27	0.0	1176.135	0.0
load	N_1200157252	constant_power_B_real	2352.27	0.0	1176.135	0.0
load	N_1200157252	constant_power_A_reac	773.155	0.0	386.5775	0.0
load	N_1200157252	constant_power_B_reac	773.155	0.0	386.5775	0.0
load	N_1200157253	constant_power_A	7446.16	4614.72	3723.08	2307.36
load	N_1200157253	constant_power_B	7446.16	4614.72	3723.08	2307.36
load	N_1200157253	constant_power_C	7446.16	4614.72	3723.08	2307.36
load	N_1200157253	constant_power_A_real	7446.16	0.0	3723.08	0.0
load	N_1200157253	constant_power_B_real	7446.16	0.0	3723.08	0.0
load	N_1200157253	constant_power_C_real	7446.16	0.0	3723.08	0.0
load	N_1200157253	constant_power_A_reac	4614.72	0.0	2307.36	0.0
load	N_1200157253	constant_power_B_reac	4614.72	0.0	2307.36	0.0
load	N_1200157253	constant_power_C_reac	4614.72	0.0	2307.36	0.0
load	N_1200157250	constant_power_A	3801.49	1249.49	1900.745	624.745
load	N_1200157250	constant_power_B	3801.49	1249.49	1900.745	624.745
load	N_1200157250	constant_power_C	3801.49	1249.49	1900.745	624.745
load	N_1200157250	constant_power_A_real	3801.49	0.0	1900.745	0.0
load	N_1200157250	constant_power_B_real	3801.49	0.0	1900.745	0.0
load	N_1200157250	constant_power_C_real	3801.49	0.0	1900.745	0.0
load	N_1200157250	constant_power_A_reac	1249.49	0.0	624.745	0.0
load	N_1200157250	constant_power_B_reac	1249.49	0.0	624.745	0.0
load	N_1200157250	constant_power_C_reac	1249.49	0.0	624.745	0.0
load	N_1200157251	constant_power_A	3195.85	1050.42	1597.925	525.21
load	N_1200157251	constant_power_B	3195.85	1050.42	1597.925	525.21
load	N_1200157251	constant_power_A_real	3195.85	0.0	1597.925	0.0
load	N_1200157251	constant_power_B_real	3195.85	0.0	1597.925	0.0
load	N_1200157251	constant_power_A_reac	1050.42	0.0	525.21	0.0
load	N_1200157251	constant_power_B_reac	1050.42	0.0	525.21	0.0
load	N_1200157256	constant_power_A	3520.3	1157.07	1760.15	578.535
load	N_1200157256	constant_power_B	3520.3	1157.07	1760.15	578.535
load	N_1200157256	constant_power_A_real	3520.3	0.0	1760.15	0.0
load	N_1200157256	constant_power_B_real	3520.3	0.0	1760.15	0.0
load	N_1200157256	constant_power_A_reac	1157.07	0.0	578.535	0.0
load	N_1200157256	constant_power_B_reac	1157.07	0.0	578.535	0.0
load	N_1200157257	constant_power_A	3157.99	1947.71	1578.995	973.855
load	N_1200157257	constant_power_B	3157.99	1947.71	1578.995	973.855
load	N_1200157257	constant_power_C	3157.99	1947.71	1578.995	973.855
load	N_1200157257	constant_power_A_real	3157.99	0.0	1578.995	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157257	constant_power_B_real	3157.99	0.0	1578.995	0.0
load	N_1200157257	constant_power_C_real	3157.99	0.0	1578.995	0.0
load	N_1200157257	constant_power_A_reac	1947.71	0.0	973.855	0.0
load	N_1200157257	constant_power_B_reac	1947.71	0.0	973.855	0.0
load	N_1200157257	constant_power_C_reac	1947.71	0.0	973.855	0.0
load	N_1200157254	constant_power_A	3244.52	1066.42	1622.26	533.21
load	N_1200157254	constant_power_B	3244.52	1066.42	1622.26	533.21
load	N_1200157254	constant_power_C	3244.52	1066.42	1622.26	533.21
load	N_1200157254	constant_power_A_real	3244.52	0.0	1622.26	0.0
load	N_1200157254	constant_power_B_real	3244.52	0.0	1622.26	0.0
load	N_1200157254	constant_power_C_real	3244.52	0.0	1622.26	0.0
load	N_1200157254	constant_power_A_reac	1066.42	0.0	533.21	0.0
load	N_1200157254	constant_power_B_reac	1066.42	0.0	533.21	0.0
load	N_1200157254	constant_power_C_reac	1066.42	0.0	533.21	0.0
load	N_1200157255	constant_power_A	1792.6	589.197	896.3	294.5985
load	N_1200157255	constant_power_B	1792.6	589.197	896.3	294.5985
load	N_1200157255	constant_power_A_real	1792.6	0.0	896.3	0.0
load	N_1200157255	constant_power_B_real	1792.6	0.0	896.3	0.0
load	N_1200157255	constant_power_A_reac	589.197	0.0	294.5985	0.0
load	N_1200157255	constant_power_B_reac	589.197	0.0	294.5985	0.0
load	N_1200031390	constant_power_A	6213.25	2042.2	3106.625	1021.1
load	N_1200031390	constant_power_B	6213.25	2042.2	3106.625	1021.1
load	N_1200031390	constant_power_C	6213.25	2042.2	3106.625	1021.1
load	N_1200031390	constant_power_A_real	6213.25	0.0	3106.625	0.0
load	N_1200031390	constant_power_B_real	6213.25	0.0	3106.625	0.0
load	N_1200031390	constant_power_C_real	6213.25	0.0	3106.625	0.0
load	N_1200031390	constant_power_A_reac	2042.2	0.0	1021.1	0.0
load	N_1200031390	constant_power_B_reac	2042.2	0.0	1021.1	0.0
load	N_1200031390	constant_power_C_reac	2042.2	0.0	1021.1	0.0
load	N_1200157258	constant_power_A	1752.04	575.867	876.02	287.9335
load	N_1200157258	constant_power_B	1752.04	575.867	876.02	287.9335
load	N_1200157258	constant_power_C	1752.04	575.867	876.02	287.9335
load	N_1200157258	constant_power_A_real	1752.04	0.0	876.02	0.0
load	N_1200157258	constant_power_B_real	1752.04	0.0	876.02	0.0
load	N_1200157258	constant_power_C_real	1752.04	0.0	876.02	0.0
load	N_1200157258	constant_power_A_reac	575.867	0.0	287.9335	0.0
load	N_1200157258	constant_power_B_reac	575.867	0.0	287.9335	0.0
load	N_1200157258	constant_power_C_reac	575.867	0.0	287.9335	0.0
load	N_1200157259	constant_power_A	573.198	188.401	286.599	94.2005
load	N_1200157259	constant_power_B	573.198	188.401	286.599	94.2005
load	N_1200157259	constant_power_C	573.198	188.401	286.599	94.2005
load	N_1200157259	constant_power_A_real	573.198	0.0	286.599	0.0
load	N_1200157259	constant_power_B_real	573.198	0.0	286.599	0.0
load	N_1200157259	constant_power_C_real	573.198	0.0	286.599	0.0
load	N_1200157259	constant_power_A_reac	188.401	0.0	94.2005	0.0
load	N_1200157259	constant_power_B_reac	188.401	0.0	94.2005	0.0
load	N_1200157259	constant_power_C_reac	188.401	0.0	94.2005	0.0
load	N_1200097325	constant_power_A	2757.84	1709.15	1378.92	854.575
load	N_1200097325	constant_power_B	2757.84	1709.15	1378.92	854.575
load	N_1200097325	constant_power_C	2757.84	1709.15	1378.92	854.575
load	N_1200097325	constant_power_A_real	2757.84	0.0	1378.92	0.0
load	N_1200097325	constant_power_B_real	2757.84	0.0	1378.92	0.0
load	N_1200097325	constant_power_C_real	2757.84	0.0	1378.92	0.0
load	N_1200097325	constant_power_A_reac	1709.15	0.0	854.575	0.0
load	N_1200097325	constant_power_B_reac	1709.15	0.0	854.575	0.0
load	N_1200097325	constant_power_C_reac	1709.15	0.0	854.575	0.0
load	N_1200156864	constant_power_A	432.602	268.103	216.301	134.0515
load	N_1200156864	constant_power_B	432.602	268.103	216.301	134.0515
load	N_1200156864	constant_power_C	432.602	268.103	216.301	134.0515
load	N_1200156864	constant_power_A_real	432.602	0.0	216.301	0.0
load	N_1200156864	constant_power_B_real	432.602	0.0	216.301	0.0
load	N_1200156864	constant_power_C_real	432.602	0.0	216.301	0.0
load	N_1200156864	constant_power_A_reac	268.103	0.0	134.0515	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156864	constant_power_B_reac	268.103	0.0	134.0515	0.0
load	N_1200156864	constant_power_C_reac	268.103	0.0	134.0515	0.0
load	N_1200097327	constant_power_A	556.975	345.182	278.4875	172.591
load	N_1200097327	constant_power_B	556.975	345.182	278.4875	172.591
load	N_1200097327	constant_power_C	556.975	345.182	278.4875	172.591
load	N_1200097327	constant_power_A_real	556.975	0.0	278.4875	0.0
load	N_1200097327	constant_power_B_real	556.975	0.0	278.4875	0.0
load	N_1200097327	constant_power_C_real	556.975	0.0	278.4875	0.0
load	N_1200097327	constant_power_A_reac	345.182	0.0	172.591	0.0
load	N_1200097327	constant_power_B_reac	345.182	0.0	172.591	0.0
load	N_1200097327	constant_power_C_reac	345.182	0.0	172.591	0.0
load	N_1200097326	constant_power_A	3612.23	1187.28	1806.115	593.64
load	N_1200097326	constant_power_B	3612.23	1187.28	1806.115	593.64
load	N_1200097326	constant_power_C	3612.23	1187.28	1806.115	593.64
load	N_1200097326	constant_power_A_real	3612.23	0.0	1806.115	0.0
load	N_1200097326	constant_power_B_real	3612.23	0.0	1806.115	0.0
load	N_1200097326	constant_power_C_real	3612.23	0.0	1806.115	0.0
load	N_1200097326	constant_power_A_reac	1187.28	0.0	593.64	0.0
load	N_1200097326	constant_power_B_reac	1187.28	0.0	593.64	0.0
load	N_1200097326	constant_power_C_reac	1187.28	0.0	593.64	0.0
load	N_1200105056	constant_power_A	16.2227	10.0539	8.11135	5.02695
load	N_1200105056	constant_power_B	16.2227	10.0539	8.11135	5.02695
load	N_1200105056	constant_power_C	16.2227	10.0539	8.11135	5.02695
load	N_1200105056	constant_power_A_real	16.2227	0.0	8.11135	0.0
load	N_1200105056	constant_power_B_real	16.2227	0.0	8.11135	0.0
load	N_1200105056	constant_power_C_real	16.2227	0.0	8.11135	0.0
load	N_1200105056	constant_power_A_reac	10.0539	0.0	5.02695	0.0
load	N_1200105056	constant_power_B_reac	10.0539	0.0	5.02695	0.0
load	N_1200105056	constant_power_C_reac	10.0539	0.0	5.02695	0.0
load	N_1200058362	constant_power_A	5883.39	3646.2	2941.695	1823.1
load	N_1200058362	constant_power_B	5883.39	3646.2	2941.695	1823.1
load	N_1200058362	constant_power_C	5883.39	3646.2	2941.695	1823.1
load	N_1200058362	constant_power_A_real	5883.39	0.0	2941.695	0.0
load	N_1200058362	constant_power_B_real	5883.39	0.0	2941.695	0.0
load	N_1200058362	constant_power_C_real	5883.39	0.0	2941.695	0.0
load	N_1200058362	constant_power_A_reac	3646.2	0.0	1823.1	0.0
load	N_1200058362	constant_power_B_reac	3646.2	0.0	1823.1	0.0
load	N_1200058362	constant_power_C_reac	3646.2	0.0	1823.1	0.0
load	N_1200058365	constant_power_A	20819.0	6842.87	10409.5	3421.435
load	N_1200058365	constant_power_B	20819.0	6842.87	10409.5	3421.435
load	N_1200058365	constant_power_C	20819.0	6842.87	10409.5	3421.435
load	N_1200058365	constant_power_A_real	20819.0	0.0	10409.5	0.0
load	N_1200058365	constant_power_B_real	20819.0	0.0	10409.5	0.0
load	N_1200058365	constant_power_C_real	20819.0	0.0	10409.5	0.0
load	N_1200058365	constant_power_A_reac	6842.87	0.0	3421.435	0.0
load	N_1200058365	constant_power_B_reac	6842.87	0.0	3421.435	0.0
load	N_1200058365	constant_power_C_reac	6842.87	0.0	3421.435	0.0
load	N_1200093951	constant_power_A	3752.82	1233.49	1876.41	616.745
load	N_1200093951	constant_power_B	3752.82	1233.49	1876.41	616.745
load	N_1200093951	constant_power_C	3752.82	1233.49	1876.41	616.745
load	N_1200093951	constant_power_A_real	3752.82	0.0	1876.41	0.0
load	N_1200093951	constant_power_B_real	3752.82	0.0	1876.41	0.0
load	N_1200093951	constant_power_C_real	3752.82	0.0	1876.41	0.0
load	N_1200093951	constant_power_A_reac	1233.49	0.0	616.745	0.0
load	N_1200093951	constant_power_B_reac	1233.49	0.0	616.745	0.0
load	N_1200093951	constant_power_C_reac	1233.49	0.0	616.745	0.0
load	N_1200089003	constant_power_A	4358.47	1742.62	2179.235	871.31
load	N_1200089003	constant_power_B	4358.47	1742.62	2179.235	871.31
load	N_1200089003	constant_power_C	4358.47	1742.62	2179.235	871.31
load	N_1200089003	constant_power_A_real	4358.47	0.0	2179.235	0.0
load	N_1200089003	constant_power_B_real	4358.47	0.0	2179.235	0.0
load	N_1200089003	constant_power_C_real	4358.47	0.0	2179.235	0.0
load	N_1200089003	constant_power_A_reac	1742.62	0.0	871.31	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200089003	constant_power_B_reac	1742.62	0.0	871.31	0.0
load	N_1200089003	constant_power_C_reac	1742.62	0.0	871.31	0.0
load	N_1200109368	constant_power_A	275.784	170.915	137.892	85.4575
load	N_1200109368	constant_power_B	275.784	170.915	137.892	85.4575
load	N_1200109368	constant_power_C	275.784	170.915	137.892	85.4575
load	N_1200109368	constant_power_A_real	275.784	0.0	137.892	0.0
load	N_1200109368	constant_power_B_real	275.784	0.0	137.892	0.0
load	N_1200109368	constant_power_C_real	275.784	0.0	137.892	0.0
load	N_1200109368	constant_power_A_reac	170.915	0.0	85.4575	0.0
load	N_1200109368	constant_power_B_reac	170.915	0.0	85.4575	0.0
load	N_1200109368	constant_power_C_reac	170.915	0.0	85.4575	0.0
load	N_1200111287	constant_power_A	2006.19	903.36	1003.095	451.68
load	N_1200111287	constant_power_B	2006.19	903.36	1003.095	451.68
load	N_1200111287	constant_power_C	2006.19	903.36	1003.095	451.68
load	N_1200111287	constant_power_A_real	2006.19	0.0	1003.095	0.0
load	N_1200111287	constant_power_B_real	2006.19	0.0	1003.095	0.0
load	N_1200111287	constant_power_C_real	2006.19	0.0	1003.095	0.0
load	N_1200111287	constant_power_A_reac	903.36	0.0	451.68	0.0
load	N_1200111287	constant_power_B_reac	903.36	0.0	451.68	0.0
load	N_1200111287	constant_power_C_reac	903.36	0.0	451.68	0.0
load	N_1200062178	constant_power_A	48435.2	30017.4	24217.6	15008.7
load	N_1200062178	constant_power_B	48435.2	30017.4	24217.6	15008.7
load	N_1200062178	constant_power_C	48435.2	30017.4	24217.6	15008.7
load	N_1200062178	constant_power_A_real	48435.2	0.0	24217.6	0.0
load	N_1200062178	constant_power_B_real	48435.2	0.0	24217.6	0.0
load	N_1200062178	constant_power_C_real	48435.2	0.0	24217.6	0.0
load	N_1200062178	constant_power_A_reac	30017.4	0.0	15008.7	0.0
load	N_1200062178	constant_power_B_reac	30017.4	0.0	15008.7	0.0
load	N_1200062178	constant_power_C_reac	30017.4	0.0	15008.7	0.0
load	N_1200156509	constant_power_A	5780.65	3582.52	2890.325	1791.26
load	N_1200156509	constant_power_B	5780.65	3582.52	2890.325	1791.26
load	N_1200156509	constant_power_C	5780.65	3582.52	2890.325	1791.26
load	N_1200156509	constant_power_A_real	5780.65	0.0	2890.325	0.0
load	N_1200156509	constant_power_B_real	5780.65	0.0	2890.325	0.0
load	N_1200156509	constant_power_C_real	5780.65	0.0	2890.325	0.0
load	N_1200156509	constant_power_A_reac	3582.52	0.0	1791.26	0.0
load	N_1200156509	constant_power_B_reac	3582.52	0.0	1791.26	0.0
load	N_1200156509	constant_power_C_reac	3582.52	0.0	1791.26	0.0
load	N_1200093580	constant_power_A	5342.64	1756.04	2671.32	878.02
load	N_1200093580	constant_power_B	5342.64	1756.04	2671.32	878.02
load	N_1200093580	constant_power_C	5342.64	1756.04	2671.32	878.02
load	N_1200093580	constant_power_A_real	5342.64	0.0	2671.32	0.0
load	N_1200093580	constant_power_B_real	5342.64	0.0	2671.32	0.0
load	N_1200093580	constant_power_C_real	5342.64	0.0	2671.32	0.0
load	N_1200093580	constant_power_A_reac	1756.04	0.0	878.02	0.0
load	N_1200093580	constant_power_B_reac	1756.04	0.0	878.02	0.0
load	N_1200093580	constant_power_C_reac	1756.04	0.0	878.02	0.0
load	N_1200059104	constant_power_A	23936.4	7867.52	11968.2	3933.76
load	N_1200059104	constant_power_B	23936.4	7867.52	11968.2	3933.76
load	N_1200059104	constant_power_A_real	23936.4	0.0	11968.2	0.0
load	N_1200059104	constant_power_B_real	23936.4	0.0	11968.2	0.0
load	N_1200059104	constant_power_A_reac	7867.52	0.0	3933.76	0.0
load	N_1200059104	constant_power_B_reac	7867.52	0.0	3933.76	0.0
load	N_1200502219	constant_power_A	16011.7	9923.15	8005.85	4961.575
load	N_1200502219	constant_power_B	16011.7	9923.15	8005.85	4961.575
load	N_1200502219	constant_power_C	16011.7	9923.15	8005.85	4961.575
load	N_1200502219	constant_power_A_real	16011.7	0.0	8005.85	0.0
load	N_1200502219	constant_power_B_real	16011.7	0.0	8005.85	0.0
load	N_1200502219	constant_power_C_real	16011.7	0.0	8005.85	0.0
load	N_1200502219	constant_power_A_reac	9923.15	0.0	4961.575	0.0
load	N_1200502219	constant_power_B_reac	9923.15	0.0	4961.575	0.0
load	N_1200502219	constant_power_C_reac	9923.15	0.0	4961.575	0.0
load	N_1200157206	constant_power_A	4985.74	1638.73	2492.87	819.365

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157206	constant_power_B	4985.74	1638.73	2492.87	819.365
load	N_1200157206	constant_power_C	4985.74	1638.73	2492.87	819.365
load	N_1200157206	constant_power_A_real	4985.74	0.0	2492.87	0.0
load	N_1200157206	constant_power_B_real	4985.74	0.0	2492.87	0.0
load	N_1200157206	constant_power_C_real	4985.74	0.0	2492.87	0.0
load	N_1200157206	constant_power_A_reac	1638.73	0.0	819.365	0.0
load	N_1200157206	constant_power_B_reac	1638.73	0.0	819.365	0.0
load	N_1200157206	constant_power_C_reac	1638.73	0.0	819.365	0.0
load	N_1200156816	constant_power_A	5023.59	2576.64	2511.795	1288.32
load	N_1200156816	constant_power_B	5023.59	2576.64	2511.795	1288.32
load	N_1200156816	constant_power_C	5023.59	2576.64	2511.795	1288.32
load	N_1200156816	constant_power_A_real	5023.59	0.0	2511.795	0.0
load	N_1200156816	constant_power_B_real	5023.59	0.0	2511.795	0.0
load	N_1200156816	constant_power_C_real	5023.59	0.0	2511.795	0.0
load	N_1200156816	constant_power_A_reac	2576.64	0.0	1288.32	0.0
load	N_1200156816	constant_power_B_reac	2576.64	0.0	1288.32	0.0
load	N_1200156816	constant_power_C_reac	2576.64	0.0	1288.32	0.0
load	N_1200120289	constant_power_A	2298.2	755.381	1149.1	377.6905
load	N_1200120289	constant_power_B	2298.2	755.381	1149.1	377.6905
load	N_1200120289	constant_power_C	2298.2	755.381	1149.1	377.6905
load	N_1200120289	constant_power_A_real	2298.2	0.0	1149.1	0.0
load	N_1200120289	constant_power_B_real	2298.2	0.0	1149.1	0.0
load	N_1200120289	constant_power_C_real	2298.2	0.0	1149.1	0.0
load	N_1200120289	constant_power_A_reac	755.381	0.0	377.6905	0.0
load	N_1200120289	constant_power_B_reac	755.381	0.0	377.6905	0.0
load	N_1200120289	constant_power_C_reac	755.381	0.0	377.6905	0.0
load	N_1200156686	constant_power_A	1606.04	527.878	803.02	263.939
load	N_1200156686	constant_power_B	1606.04	527.878	803.02	263.939
load	N_1200156686	constant_power_C	1606.04	527.878	803.02	263.939
load	N_1200156686	constant_power_A_real	1606.04	0.0	803.02	0.0
load	N_1200156686	constant_power_B_real	1606.04	0.0	803.02	0.0
load	N_1200156686	constant_power_C_real	1606.04	0.0	803.02	0.0
load	N_1200156686	constant_power_A_reac	527.878	0.0	263.939	0.0
load	N_1200156686	constant_power_B_reac	527.878	0.0	263.939	0.0
load	N_1200156686	constant_power_C_reac	527.878	0.0	263.939	0.0
load	N_1200156685	constant_power_A	2844.36	934.895	1422.18	467.4475
load	N_1200156685	constant_power_B	2844.36	934.895	1422.18	467.4475
load	N_1200156685	constant_power_C	2844.36	934.895	1422.18	467.4475
load	N_1200156685	constant_power_A_real	2844.36	0.0	1422.18	0.0
load	N_1200156685	constant_power_B_real	2844.36	0.0	1422.18	0.0
load	N_1200156685	constant_power_C_real	2844.36	0.0	1422.18	0.0
load	N_1200156685	constant_power_A_reac	934.895	0.0	467.4475	0.0
load	N_1200156685	constant_power_B_reac	934.895	0.0	467.4475	0.0
load	N_1200156685	constant_power_C_reac	934.895	0.0	467.4475	0.0
load	N_1200156728	constant_power_A	4526.1	1487.66	2263.05	743.83
load	N_1200156728	constant_power_B	4526.1	1487.66	2263.05	743.83
load	N_1200156728	constant_power_C	4526.1	1487.66	2263.05	743.83
load	N_1200156728	constant_power_A_real	4526.1	0.0	2263.05	0.0
load	N_1200156728	constant_power_B_real	4526.1	0.0	2263.05	0.0
load	N_1200156728	constant_power_C_real	4526.1	0.0	2263.05	0.0
load	N_1200156728	constant_power_A_reac	1487.66	0.0	743.83	0.0
load	N_1200156728	constant_power_B_reac	1487.66	0.0	743.83	0.0
load	N_1200156728	constant_power_C_reac	1487.66	0.0	743.83	0.0
load	N_1200156725	constant_power_A	762.461	250.609	381.2305	125.3045
load	N_1200156725	constant_power_B	762.461	250.609	381.2305	125.3045
load	N_1200156725	constant_power_C	762.461	250.609	381.2305	125.3045
load	N_1200156725	constant_power_A_real	762.461	0.0	381.2305	0.0
load	N_1200156725	constant_power_B_real	762.461	0.0	381.2305	0.0
load	N_1200156725	constant_power_C_real	762.461	0.0	381.2305	0.0
load	N_1200156725	constant_power_A_reac	250.609	0.0	125.3045	0.0
load	N_1200156725	constant_power_B_reac	250.609	0.0	125.3045	0.0
load	N_1200156725	constant_power_C_reac	250.609	0.0	125.3045	0.0
load	N_1200058617	constant_power_A	7192.01	4457.21	3596.005	2228.605

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200058617	constant_power_B	7192.01	4457.21	3596.005	2228.605
load	N_1200058617	constant_power_C	7192.01	4457.21	3596.005	2228.605
load	N_1200058617	constant_power_A_real	7192.01	0.0	3596.005	0.0
load	N_1200058617	constant_power_B_real	7192.01	0.0	3596.005	0.0
load	N_1200058617	constant_power_C_real	7192.01	0.0	3596.005	0.0
load	N_1200058617	constant_power_A_reac	4457.21	0.0	2228.605	0.0
load	N_1200058617	constant_power_B_reac	4457.21	0.0	2228.605	0.0
load	N_1200058617	constant_power_C_reac	4457.21	0.0	2228.605	0.0
load	N_1200156721	constant_power_A	3525.71	2185.04	1762.855	1092.52
load	N_1200156721	constant_power_B	3525.71	2185.04	1762.855	1092.52
load	N_1200156721	constant_power_C	3525.71	2185.04	1762.855	1092.52
load	N_1200156721	constant_power_A_real	3525.71	0.0	1762.855	0.0
load	N_1200156721	constant_power_B_real	3525.71	0.0	1762.855	0.0
load	N_1200156721	constant_power_C_real	3525.71	0.0	1762.855	0.0
load	N_1200156721	constant_power_A_reac	2185.04	0.0	1092.52	0.0
load	N_1200156721	constant_power_B_reac	2185.04	0.0	1092.52	0.0
load	N_1200156721	constant_power_C_reac	2185.04	0.0	1092.52	0.0
load	N_1200156723	constant_power_A	1676.33	573.019	838.165	286.5095
load	N_1200156723	constant_power_B	1676.33	573.019	838.165	286.5095
load	N_1200156723	constant_power_C	1676.33	573.019	838.165	286.5095
load	N_1200156723	constant_power_A_real	1676.33	0.0	838.165	0.0
load	N_1200156723	constant_power_B_real	1676.33	0.0	838.165	0.0
load	N_1200156723	constant_power_C_real	1676.33	0.0	838.165	0.0
load	N_1200156723	constant_power_A_reac	573.019	0.0	286.5095	0.0
load	N_1200156723	constant_power_B_reac	573.019	0.0	286.5095	0.0
load	N_1200156723	constant_power_C_reac	573.019	0.0	286.5095	0.0
load	N_1200156689	constant_power_A	3893.42	1279.7	1946.71	639.85
load	N_1200156689	constant_power_B	3893.42	1279.7	1946.71	639.85
load	N_1200156689	constant_power_A_real	3893.42	0.0	1946.71	0.0
load	N_1200156689	constant_power_B_real	3893.42	0.0	1946.71	0.0
load	N_1200156689	constant_power_A_reac	1279.7	0.0	639.85	0.0
load	N_1200156689	constant_power_B_reac	1279.7	0.0	639.85	0.0
load	N_1200157393	constant_power_A	3747.42	1231.72	1873.71	615.86
load	N_1200157393	constant_power_B	3747.42	1231.72	1873.71	615.86
load	N_1200157393	constant_power_C	3747.42	1231.72	1873.71	615.86
load	N_1200157393	constant_power_A_real	3747.42	0.0	1873.71	0.0
load	N_1200157393	constant_power_B_real	3747.42	0.0	1873.71	0.0
load	N_1200157393	constant_power_C_real	3747.42	0.0	1873.71	0.0
load	N_1200157393	constant_power_A_reac	1231.72	0.0	615.86	0.0
load	N_1200157393	constant_power_B_reac	1231.72	0.0	615.86	0.0
load	N_1200157393	constant_power_C_reac	1231.72	0.0	615.86	0.0
load	N_1200065496	constant_power_A	16033.3	9936.56	8016.65	4968.28
load	N_1200065496	constant_power_B	16033.3	9936.56	8016.65	4968.28
load	N_1200065496	constant_power_C	16033.3	9936.56	8016.65	4968.28
load	N_1200065496	constant_power_A_real	16033.3	0.0	8016.65	0.0
load	N_1200065496	constant_power_B_real	16033.3	0.0	8016.65	0.0
load	N_1200065496	constant_power_C_real	16033.3	0.0	8016.65	0.0
load	N_1200065496	constant_power_A_reac	9936.56	0.0	4968.28	0.0
load	N_1200065496	constant_power_B_reac	9936.56	0.0	4968.28	0.0
load	N_1200065496	constant_power_C_reac	9936.56	0.0	4968.28	0.0
load	N_1200173637	constant_power_A	2947.1	968.665	1473.55	484.3325
load	N_1200173637	constant_power_B	2947.1	968.665	1473.55	484.3325
load	N_1200173637	constant_power_C	2947.1	968.665	1473.55	484.3325
load	N_1200173637	constant_power_A_real	2947.1	0.0	1473.55	0.0
load	N_1200173637	constant_power_B_real	2947.1	0.0	1473.55	0.0
load	N_1200173637	constant_power_C_real	2947.1	0.0	1473.55	0.0
load	N_1200173637	constant_power_A_reac	968.665	0.0	484.3325	0.0
load	N_1200173637	constant_power_B_reac	968.665	0.0	484.3325	0.0
load	N_1200173637	constant_power_C_reac	968.665	0.0	484.3325	0.0
load	N_1200091820	constant_power_A	778.684	380.28	389.342	190.14
load	N_1200091820	constant_power_B	778.684	380.28	389.342	190.14
load	N_1200091820	constant_power_C	778.684	380.28	389.342	190.14
load	N_1200091820	constant_power_A_real	778.684	0.0	389.342	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200091820	constant_power_B_real	778.684	0.0	389.342	0.0
load	N_1200091820	constant_power_C_real	778.684	0.0	389.342	0.0
load	N_1200091820	constant_power_A_reac	380.28	0.0	190.14	0.0
load	N_1200091820	constant_power_B_reac	380.28	0.0	190.14	0.0
load	N_1200091820	constant_power_C_reac	380.28	0.0	190.14	0.0
load	N_1200091821	constant_power_A	2352.27	773.155	1176.135	386.5775
load	N_1200091821	constant_power_B	2352.27	773.155	1176.135	386.5775
load	N_1200091821	constant_power_C	2352.27	773.155	1176.135	386.5775
load	N_1200091821	constant_power_A_real	2352.27	0.0	1176.135	0.0
load	N_1200091821	constant_power_B_real	2352.27	0.0	1176.135	0.0
load	N_1200091821	constant_power_C_real	2352.27	0.0	1176.135	0.0
load	N_1200091821	constant_power_A_reac	773.155	0.0	386.5775	0.0
load	N_1200091821	constant_power_B_reac	773.155	0.0	386.5775	0.0
load	N_1200091821	constant_power_C_reac	773.155	0.0	386.5775	0.0
load	N_1200091822	constant_power_A	7754.39	4805.74	3877.195	2402.87
load	N_1200091822	constant_power_B	7754.39	4805.74	3877.195	2402.87
load	N_1200091822	constant_power_C	7754.39	4805.74	3877.195	2402.87
load	N_1200091822	constant_power_A_real	7754.39	0.0	3877.195	0.0
load	N_1200091822	constant_power_B_real	7754.39	0.0	3877.195	0.0
load	N_1200091822	constant_power_C_real	7754.39	0.0	3877.195	0.0
load	N_1200091822	constant_power_A_reac	4805.74	0.0	2402.87	0.0
load	N_1200091822	constant_power_B_reac	4805.74	0.0	2402.87	0.0
load	N_1200091822	constant_power_C_reac	4805.74	0.0	2402.87	0.0
load	N_1200156866	constant_power_A	167.633	103.89	83.8165	51.945
load	N_1200156866	constant_power_B	167.633	103.89	83.8165	51.945
load	N_1200156866	constant_power_C	167.633	103.89	83.8165	51.945
load	N_1200156866	constant_power_A_real	167.633	0.0	83.8165	0.0
load	N_1200156866	constant_power_B_real	167.633	0.0	83.8165	0.0
load	N_1200156866	constant_power_C_real	167.633	0.0	83.8165	0.0
load	N_1200156866	constant_power_A_reac	103.89	0.0	51.945	0.0
load	N_1200156866	constant_power_B_reac	103.89	0.0	51.945	0.0
load	N_1200156866	constant_power_C_reac	103.89	0.0	51.945	0.0
load	N_1200157078	constant_power_A	1324.84	435.455	662.42	217.7275
load	N_1200157078	constant_power_B	1324.84	435.455	662.42	217.7275
load	N_1200157078	constant_power_C	1324.84	435.455	662.42	217.7275
load	N_1200157078	constant_power_A_real	1324.84	0.0	662.42	0.0
load	N_1200157078	constant_power_B_real	1324.84	0.0	662.42	0.0
load	N_1200157078	constant_power_C_real	1324.84	0.0	662.42	0.0
load	N_1200157078	constant_power_A_reac	435.455	0.0	217.7275	0.0
load	N_1200157078	constant_power_B_reac	435.455	0.0	217.7275	0.0
load	N_1200157078	constant_power_C_reac	435.455	0.0	217.7275	0.0
load	N_1200156813	constant_power_A	6537.7	2148.84	3268.85	1074.42
load	N_1200156813	constant_power_B	6537.7	2148.84	3268.85	1074.42
load	N_1200156813	constant_power_C	6537.7	2148.84	3268.85	1074.42
load	N_1200156813	constant_power_A_real	6537.7	0.0	3268.85	0.0
load	N_1200156813	constant_power_B_real	6537.7	0.0	3268.85	0.0
load	N_1200156813	constant_power_C_real	6537.7	0.0	3268.85	0.0
load	N_1200156813	constant_power_A_reac	2148.84	0.0	1074.42	0.0
load	N_1200156813	constant_power_B_reac	2148.84	0.0	1074.42	0.0
load	N_1200156813	constant_power_C_reac	2148.84	0.0	1074.42	0.0
load	N_1200156810	constant_power_A	4747.81	1971.32	2373.905	985.66
load	N_1200156810	constant_power_B	4747.81	1971.32	2373.905	985.66
load	N_1200156810	constant_power_C	4747.81	1971.32	2373.905	985.66
load	N_1200156810	constant_power_A_real	4747.81	0.0	2373.905	0.0
load	N_1200156810	constant_power_B_real	4747.81	0.0	2373.905	0.0
load	N_1200156810	constant_power_C_real	4747.81	0.0	2373.905	0.0
load	N_1200156810	constant_power_A_reac	1971.32	0.0	985.66	0.0
load	N_1200156810	constant_power_B_reac	1971.32	0.0	985.66	0.0
load	N_1200156810	constant_power_C_reac	1971.32	0.0	985.66	0.0
load	N_1200156817	constant_power_A	6148.36	2398.61	3074.18	1199.305
load	N_1200156817	constant_power_B	6148.36	2398.61	3074.18	1199.305
load	N_1200156817	constant_power_C	6148.36	2398.61	3074.18	1199.305
load	N_1200156817	constant_power_A_real	6148.36	0.0	3074.18	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156817	constant_power_B_real	6148.36	0.0	3074.18	0.0
load	N_1200156817	constant_power_C_real	6148.36	0.0	3074.18	0.0
load	N_1200156817	constant_power_A_reac	2398.61	0.0	1199.305	0.0
load	N_1200156817	constant_power_B_reac	2398.61	0.0	1199.305	0.0
load	N_1200156817	constant_power_C_reac	2398.61	0.0	1199.305	0.0
load	N_1200156815	constant_power_A	2379.31	1003.96	1189.655	501.98
load	N_1200156815	constant_power_B	2379.31	1003.96	1189.655	501.98
load	N_1200156815	constant_power_C	2379.31	1003.96	1189.655	501.98
load	N_1200156815	constant_power_A_real	2379.31	0.0	1189.655	0.0
load	N_1200156815	constant_power_B_real	2379.31	0.0	1189.655	0.0
load	N_1200156815	constant_power_C_real	2379.31	0.0	1189.655	0.0
load	N_1200156815	constant_power_A_reac	1003.96	0.0	501.98	0.0
load	N_1200156815	constant_power_B_reac	1003.96	0.0	501.98	0.0
load	N_1200156815	constant_power_C_reac	1003.96	0.0	501.98	0.0
load	N_1200156786	constant_power_A	4423.36	1908.75	2211.68	954.375
load	N_1200156786	constant_power_B	4423.36	1908.75	2211.68	954.375
load	N_1200156786	constant_power_C	4423.36	1908.75	2211.68	954.375
load	N_1200156786	constant_power_A_real	4423.36	0.0	2211.68	0.0
load	N_1200156786	constant_power_B_real	4423.36	0.0	2211.68	0.0
load	N_1200156786	constant_power_C_real	4423.36	0.0	2211.68	0.0
load	N_1200156786	constant_power_A_reac	1908.75	0.0	954.375	0.0
load	N_1200156786	constant_power_B_reac	1908.75	0.0	954.375	0.0
load	N_1200156786	constant_power_C_reac	1908.75	0.0	954.375	0.0
load	N_1200156951	constant_power_A	730.016	357.988	365.008	178.994
load	N_1200156951	constant_power_B	730.016	357.988	365.008	178.994
load	N_1200156951	constant_power_C	730.016	357.988	365.008	178.994
load	N_1200156951	constant_power_A_real	730.016	0.0	365.008	0.0
load	N_1200156951	constant_power_B_real	730.016	0.0	365.008	0.0
load	N_1200156951	constant_power_C_real	730.016	0.0	365.008	0.0
load	N_1200156951	constant_power_A_reac	357.988	0.0	178.994	0.0
load	N_1200156951	constant_power_B_reac	357.988	0.0	178.994	0.0
load	N_1200156951	constant_power_C_reac	357.988	0.0	178.994	0.0
load	N_1200174001	constant_power_A	1827.74	600.75	913.87	300.375
load	N_1200174001	constant_power_B	1827.74	600.75	913.87	300.375
load	N_1200174001	constant_power_C	1827.74	600.75	913.87	300.375
load	N_1200174001	constant_power_A_real	1827.74	0.0	913.87	0.0
load	N_1200174001	constant_power_B_real	1827.74	0.0	913.87	0.0
load	N_1200174001	constant_power_C_real	1827.74	0.0	913.87	0.0
load	N_1200174001	constant_power_A_reac	600.75	0.0	300.375	0.0
load	N_1200174001	constant_power_B_reac	600.75	0.0	300.375	0.0
load	N_1200174001	constant_power_C_reac	600.75	0.0	300.375	0.0
load	N_1200157172	constant_power_A	1368.1	449.674	684.05	224.837
load	N_1200157172	constant_power_B	1368.1	449.674	684.05	224.837
load	N_1200157172	constant_power_C	1368.1	449.674	684.05	224.837
load	N_1200157172	constant_power_A_real	1368.1	0.0	684.05	0.0
load	N_1200157172	constant_power_B_real	1368.1	0.0	684.05	0.0
load	N_1200157172	constant_power_C_real	1368.1	0.0	684.05	0.0
load	N_1200157172	constant_power_A_reac	449.674	0.0	224.837	0.0
load	N_1200157172	constant_power_B_reac	449.674	0.0	224.837	0.0
load	N_1200157172	constant_power_C_reac	449.674	0.0	224.837	0.0
load	N_1200471635	constant_power_A	5558.94	3445.12	2779.47	1722.56
load	N_1200471635	constant_power_B	5558.94	3445.12	2779.47	1722.56
load	N_1200471635	constant_power_C	5558.94	3445.12	2779.47	1722.56
load	N_1200471635	constant_power_A_real	5558.94	0.0	2779.47	0.0
load	N_1200471635	constant_power_B_real	5558.94	0.0	2779.47	0.0
load	N_1200471635	constant_power_C_real	5558.94	0.0	2779.47	0.0
load	N_1200471635	constant_power_A_reac	3445.12	0.0	1722.56	0.0
load	N_1200471635	constant_power_B_reac	3445.12	0.0	1722.56	0.0
load	N_1200471635	constant_power_C_reac	3445.12	0.0	1722.56	0.0
load	N_1200157079	constant_power_A	2222.49	730.498	1111.245	365.249
load	N_1200157079	constant_power_B	2222.49	730.498	1111.245	365.249
load	N_1200157079	constant_power_C	2222.49	730.498	1111.245	365.249
load	N_1200157079	constant_power_A_real	2222.49	0.0	1111.245	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157079	constant_power_B_real	2222.49	0.0	1111.245	0.0
load	N_1200157079	constant_power_C_real	2222.49	0.0	1111.245	0.0
load	N_1200157079	constant_power_A_reac	730.498	0.0	365.249	0.0
load	N_1200157079	constant_power_B_reac	730.498	0.0	365.249	0.0
load	N_1200157079	constant_power_C_reac	730.498	0.0	365.249	0.0
load	N_1200157177	constant_power_A	13508.0	7926.09	6754.0	3963.045
load	N_1200157177	constant_power_B	13508.0	7926.09	6754.0	3963.045
load	N_1200157177	constant_power_C	13508.0	7926.09	6754.0	3963.045
load	N_1200157177	constant_power_A_real	13508.0	0.0	6754.0	0.0
load	N_1200157177	constant_power_B_real	13508.0	0.0	6754.0	0.0
load	N_1200157177	constant_power_C_real	13508.0	0.0	6754.0	0.0
load	N_1200157177	constant_power_A_reac	7926.09	0.0	3963.045	0.0
load	N_1200157177	constant_power_B_reac	7926.09	0.0	3963.045	0.0
load	N_1200157177	constant_power_C_reac	7926.09	0.0	3963.045	0.0
load	N_1200157070	constant_power_A	6272.73	2419.03	3136.365	1209.515
load	N_1200157070	constant_power_B	6272.73	2419.03	3136.365	1209.515
load	N_1200157070	constant_power_C	6272.73	2419.03	3136.365	1209.515
load	N_1200157070	constant_power_A_real	6272.73	0.0	3136.365	0.0
load	N_1200157070	constant_power_B_real	6272.73	0.0	3136.365	0.0
load	N_1200157070	constant_power_C_real	6272.73	0.0	3136.365	0.0
load	N_1200157070	constant_power_A_reac	2419.03	0.0	1209.515	0.0
load	N_1200157070	constant_power_B_reac	2419.03	0.0	1209.515	0.0
load	N_1200157070	constant_power_C_reac	2419.03	0.0	1209.515	0.0
load	N_1200157077	constant_power_A	3320.22	2057.69	1660.11	1028.845
load	N_1200157077	constant_power_B	3320.22	2057.69	1660.11	1028.845
load	N_1200157077	constant_power_C	3320.22	2057.69	1660.11	1028.845
load	N_1200157077	constant_power_A_real	3320.22	0.0	1660.11	0.0
load	N_1200157077	constant_power_B_real	3320.22	0.0	1660.11	0.0
load	N_1200157077	constant_power_C_real	3320.22	0.0	1660.11	0.0
load	N_1200157077	constant_power_A_reac	2057.69	0.0	1028.845	0.0
load	N_1200157077	constant_power_B_reac	2057.69	0.0	1028.845	0.0
load	N_1200157077	constant_power_C_reac	2057.69	0.0	1028.845	0.0
load	N_1200157074	constant_power_A	4801.88	2975.94	2400.94	1487.97
load	N_1200157074	constant_power_B	4801.88	2975.94	2400.94	1487.97
load	N_1200157074	constant_power_C	4801.88	2975.94	2400.94	1487.97
load	N_1200157074	constant_power_A_real	4801.88	0.0	2400.94	0.0
load	N_1200157074	constant_power_B_real	4801.88	0.0	2400.94	0.0
load	N_1200157074	constant_power_C_real	4801.88	0.0	2400.94	0.0
load	N_1200157074	constant_power_A_reac	2975.94	0.0	1487.97	0.0
load	N_1200157074	constant_power_B_reac	2975.94	0.0	1487.97	0.0
load	N_1200157074	constant_power_C_reac	2975.94	0.0	1487.97	0.0
load	N_1200017256	constant_power_A	2195.46	721.611	1097.73	360.8055
load	N_1200017256	constant_power_B	2195.46	721.611	1097.73	360.8055
load	N_1200017256	constant_power_C	2195.46	721.611	1097.73	360.8055
load	N_1200017256	constant_power_A_real	2195.46	0.0	1097.73	0.0
load	N_1200017256	constant_power_B_real	2195.46	0.0	1097.73	0.0
load	N_1200017256	constant_power_C_real	2195.46	0.0	1097.73	0.0
load	N_1200017256	constant_power_A_reac	721.611	0.0	360.8055	0.0
load	N_1200017256	constant_power_B_reac	721.611	0.0	360.8055	0.0
load	N_1200017256	constant_power_C_reac	721.611	0.0	360.8055	0.0
load	N_1200156888	constant_power_A	5769.83	3113.09	2884.915	1556.545
load	N_1200156888	constant_power_B	5769.83	3113.09	2884.915	1556.545
load	N_1200156888	constant_power_C	5769.83	3113.09	2884.915	1556.545
load	N_1200156888	constant_power_A_real	5769.83	0.0	2884.915	0.0
load	N_1200156888	constant_power_B_real	5769.83	0.0	2884.915	0.0
load	N_1200156888	constant_power_C_real	5769.83	0.0	2884.915	0.0
load	N_1200156888	constant_power_A_reac	3113.09	0.0	1556.545	0.0
load	N_1200156888	constant_power_B_reac	3113.09	0.0	1556.545	0.0
load	N_1200156888	constant_power_C_reac	3113.09	0.0	1556.545	0.0
load	N_1200090580	constant_power_A	9349.61	3073.07	4674.805	1536.535
load	N_1200090580	constant_power_B	9349.61	3073.07	4674.805	1536.535
load	N_1200090580	constant_power_C	9349.61	3073.07	4674.805	1536.535
load	N_1200090580	constant_power_A_real	9349.61	0.0	4674.805	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200090580	constant_power_B_real	9349.61	0.0	4674.805	0.0
load	N_1200090580	constant_power_C_real	9349.61	0.0	4674.805	0.0
load	N_1200090580	constant_power_A_reac	3073.07	0.0	1536.535	0.0
load	N_1200090580	constant_power_B_reac	3073.07	0.0	1536.535	0.0
load	N_1200090580	constant_power_C_reac	3073.07	0.0	1536.535	0.0
load	N_1200090581	constant_power_A	5964.5	1960.44	2982.25	980.22
load	N_1200090581	constant_power_B	5964.5	1960.44	2982.25	980.22
load	N_1200090581	constant_power_C	5964.5	1960.44	2982.25	980.22
load	N_1200090581	constant_power_A_real	5964.5	0.0	2982.25	0.0
load	N_1200090581	constant_power_B_real	5964.5	0.0	2982.25	0.0
load	N_1200090581	constant_power_C_real	5964.5	0.0	2982.25	0.0
load	N_1200090581	constant_power_A_reac	1960.44	0.0	980.22	0.0
load	N_1200090581	constant_power_B_reac	1960.44	0.0	980.22	0.0
load	N_1200090581	constant_power_C_reac	1960.44	0.0	980.22	0.0
load	N_1200156883	constant_power_A	940.909	309.262	470.4545	154.631
load	N_1200156883	constant_power_B	940.909	309.262	470.4545	154.631
load	N_1200156883	constant_power_A_real	940.909	0.0	470.4545	0.0
load	N_1200156883	constant_power_B_real	940.909	0.0	470.4545	0.0
load	N_1200156883	constant_power_A_reac	309.262	0.0	154.631	0.0
load	N_1200156883	constant_power_B_reac	309.262	0.0	154.631	0.0
load	N_1200156884	constant_power_A	2498.28	821.144	1249.14	410.572
load	N_1200156884	constant_power_B	2498.28	821.144	1249.14	410.572
load	N_1200156884	constant_power_A_real	2498.28	0.0	1249.14	0.0
load	N_1200156884	constant_power_B_real	2498.28	0.0	1249.14	0.0
load	N_1200156884	constant_power_A_reac	821.144	0.0	410.572	0.0
load	N_1200156884	constant_power_B_reac	821.144	0.0	410.572	0.0
load	N_1200156886	constant_power_A	616.458	382.046	308.229	191.023
load	N_1200156886	constant_power_B	616.458	382.046	308.229	191.023
load	N_1200156886	constant_power_C	616.458	382.046	308.229	191.023
load	N_1200156886	constant_power_A_real	616.458	0.0	308.229	0.0
load	N_1200156886	constant_power_B_real	616.458	0.0	308.229	0.0
load	N_1200156886	constant_power_C_real	616.458	0.0	308.229	0.0
load	N_1200156886	constant_power_A_reac	382.046	0.0	191.023	0.0
load	N_1200156886	constant_power_B_reac	382.046	0.0	191.023	0.0
load	N_1200156886	constant_power_C_reac	382.046	0.0	191.023	0.0
load	N_1200156925	constant_power_A	3514.89	2178.33	1757.445	1089.165
load	N_1200156925	constant_power_B	3514.89	2178.33	1757.445	1089.165
load	N_1200156925	constant_power_C	3514.89	2178.33	1757.445	1089.165
load	N_1200156925	constant_power_A_real	3514.89	0.0	1757.445	0.0
load	N_1200156925	constant_power_B_real	3514.89	0.0	1757.445	0.0
load	N_1200156925	constant_power_C_real	3514.89	0.0	1757.445	0.0
load	N_1200156925	constant_power_A_reac	2178.33	0.0	1089.165	0.0
load	N_1200156925	constant_power_B_reac	2178.33	0.0	1089.165	0.0
load	N_1200156925	constant_power_C_reac	2178.33	0.0	1089.165	0.0
load	N_1200100434	constant_power_A	12285.9	4038.18	6142.95	2019.09
load	N_1200100434	constant_power_B	12285.9	4038.18	6142.95	2019.09
load	N_1200100434	constant_power_C	12285.9	4038.18	6142.95	2019.09
load	N_1200100434	constant_power_A_real	12285.9	0.0	6142.95	0.0
load	N_1200100434	constant_power_B_real	12285.9	0.0	6142.95	0.0
load	N_1200100434	constant_power_C_real	12285.9	0.0	6142.95	0.0
load	N_1200100434	constant_power_A_reac	4038.18	0.0	2019.09	0.0
load	N_1200100434	constant_power_B_reac	4038.18	0.0	2019.09	0.0
load	N_1200100434	constant_power_C_reac	4038.18	0.0	2019.09	0.0
load	N_1200157216	constant_power_A	957.132	314.594	478.566	157.297
load	N_1200157216	constant_power_B	957.132	314.594	478.566	157.297
load	N_1200157216	constant_power_C	957.132	314.594	478.566	157.297
load	N_1200157216	constant_power_A_real	957.132	0.0	478.566	0.0
load	N_1200157216	constant_power_B_real	957.132	0.0	478.566	0.0
load	N_1200157216	constant_power_C_real	957.132	0.0	478.566	0.0
load	N_1200157216	constant_power_A_reac	314.594	0.0	157.297	0.0
load	N_1200157216	constant_power_B_reac	314.594	0.0	157.297	0.0
load	N_1200157216	constant_power_C_reac	314.594	0.0	157.297	0.0
load	N_1200157375	constant_power_A	1189.66	391.021	594.83	195.5105

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157375	constant_power_B	1189.66	391.021	594.83	195.5105
load	N_1200157375	constant_power_C	1189.66	391.021	594.83	195.5105
load	N_1200157375	constant_power_A_real	1189.66	0.0	594.83	0.0
load	N_1200157375	constant_power_B_real	1189.66	0.0	594.83	0.0
load	N_1200157375	constant_power_C_real	1189.66	0.0	594.83	0.0
load	N_1200157375	constant_power_A_reac	391.021	0.0	195.5105	0.0
load	N_1200157375	constant_power_B_reac	391.021	0.0	195.5105	0.0
load	N_1200157375	constant_power_C_reac	391.021	0.0	195.5105	0.0
load	N_1200157215	constant_power_A	4834.33	2996.05	2417.165	1498.025
load	N_1200157215	constant_power_B	4834.33	2996.05	2417.165	1498.025
load	N_1200157215	constant_power_C	4834.33	2996.05	2417.165	1498.025
load	N_1200157215	constant_power_A_real	4834.33	0.0	2417.165	0.0
load	N_1200157215	constant_power_B_real	4834.33	0.0	2417.165	0.0
load	N_1200157215	constant_power_C_real	4834.33	0.0	2417.165	0.0
load	N_1200157215	constant_power_A_reac	2996.05	0.0	1498.025	0.0
load	N_1200157215	constant_power_B_reac	2996.05	0.0	1498.025	0.0
load	N_1200157215	constant_power_C_reac	2996.05	0.0	1498.025	0.0
load	N_1200157212	constant_power_A	3114.73	1023.76	1557.365	511.88
load	N_1200157212	constant_power_B	3114.73	1023.76	1557.365	511.88
load	N_1200157212	constant_power_C	3114.73	1023.76	1557.365	511.88
load	N_1200157212	constant_power_A_real	3114.73	0.0	1557.365	0.0
load	N_1200157212	constant_power_B_real	3114.73	0.0	1557.365	0.0
load	N_1200157212	constant_power_C_real	3114.73	0.0	1557.365	0.0
load	N_1200157212	constant_power_A_reac	1023.76	0.0	511.88	0.0
load	N_1200157212	constant_power_B_reac	1023.76	0.0	511.88	0.0
load	N_1200157212	constant_power_C_reac	1023.76	0.0	511.88	0.0
load	N_1200157213	constant_power_A	7867.95	4876.12	3933.975	2438.06
load	N_1200157213	constant_power_B	7867.95	4876.12	3933.975	2438.06
load	N_1200157213	constant_power_C	7867.95	4876.12	3933.975	2438.06
load	N_1200157213	constant_power_A_real	7867.95	0.0	3933.975	0.0
load	N_1200157213	constant_power_B_real	7867.95	0.0	3933.975	0.0
load	N_1200157213	constant_power_C_real	7867.95	0.0	3933.975	0.0
load	N_1200157213	constant_power_A_reac	4876.12	0.0	2438.06	0.0
load	N_1200157213	constant_power_B_reac	4876.12	0.0	2438.06	0.0
load	N_1200157213	constant_power_C_reac	4876.12	0.0	2438.06	0.0
load	N_1200157211	constant_power_A	4883.0	1908.73	2441.5	954.365
load	N_1200157211	constant_power_B	4883.0	1908.73	2441.5	954.365
load	N_1200157211	constant_power_C	4883.0	1908.73	2441.5	954.365
load	N_1200157211	constant_power_A_real	4883.0	0.0	2441.5	0.0
load	N_1200157211	constant_power_B_real	4883.0	0.0	2441.5	0.0
load	N_1200157211	constant_power_C_real	4883.0	0.0	2441.5	0.0
load	N_1200157211	constant_power_A_reac	1908.73	0.0	954.365	0.0
load	N_1200157211	constant_power_B_reac	1908.73	0.0	954.365	0.0
load	N_1200157211	constant_power_C_reac	1908.73	0.0	954.365	0.0
load	N_1200157075	constant_power_A	957.132	314.594	478.566	157.297
load	N_1200157075	constant_power_B	957.132	314.594	478.566	157.297
load	N_1200157075	constant_power_C	957.132	314.594	478.566	157.297
load	N_1200157075	constant_power_A_real	957.132	0.0	478.566	0.0
load	N_1200157075	constant_power_B_real	957.132	0.0	478.566	0.0
load	N_1200157075	constant_power_C_real	957.132	0.0	478.566	0.0
load	N_1200157075	constant_power_A_reac	314.594	0.0	157.297	0.0
load	N_1200157075	constant_power_B_reac	314.594	0.0	157.297	0.0
load	N_1200157075	constant_power_C_reac	314.594	0.0	157.297	0.0
load	N_1200099686	constant_power_A	2644.28	869.133	1322.14	434.5665
load	N_1200099686	constant_power_B	2644.28	869.133	1322.14	434.5665
load	N_1200099686	constant_power_C	2644.28	869.133	1322.14	434.5665
load	N_1200099686	constant_power_A_real	2644.28	0.0	1322.14	0.0
load	N_1200099686	constant_power_B_real	2644.28	0.0	1322.14	0.0
load	N_1200099686	constant_power_C_real	2644.28	0.0	1322.14	0.0
load	N_1200099686	constant_power_A_reac	869.133	0.0	434.5665	0.0
load	N_1200099686	constant_power_B_reac	869.133	0.0	434.5665	0.0
load	N_1200099686	constant_power_C_reac	869.133	0.0	434.5665	0.0
load	N_1200157218	constant_power_A	3514.89	1227.69	1757.445	613.845

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157218	constant_power_B	3514.89	1227.69	1757.445	613.845
load	N_1200157218	constant_power_C	3514.89	1227.69	1757.445	613.845
load	N_1200157218	constant_power_A_real	3514.89	0.0	1757.445	0.0
load	N_1200157218	constant_power_B_real	3514.89	0.0	1757.445	0.0
load	N_1200157218	constant_power_C_real	3514.89	0.0	1757.445	0.0
load	N_1200157218	constant_power_A_reac	1227.69	0.0	613.845	0.0
load	N_1200157218	constant_power_B_reac	1227.69	0.0	613.845	0.0
load	N_1200157218	constant_power_C_reac	1227.69	0.0	613.845	0.0
load	N_1200157219	constant_power_A	2195.46	721.611	1097.73	360.8055
load	N_1200157219	constant_power_B	2195.46	721.611	1097.73	360.8055
load	N_1200157219	constant_power_C	2195.46	721.611	1097.73	360.8055
load	N_1200157219	constant_power_A_real	2195.46	0.0	1097.73	0.0
load	N_1200157219	constant_power_B_real	2195.46	0.0	1097.73	0.0
load	N_1200157219	constant_power_C_real	2195.46	0.0	1097.73	0.0
load	N_1200157219	constant_power_A_reac	721.611	0.0	360.8055	0.0
load	N_1200157219	constant_power_B_reac	721.611	0.0	360.8055	0.0
load	N_1200157219	constant_power_C_reac	721.611	0.0	360.8055	0.0
load	N_1200057781	constant_power_A	3747.41	1231.72	1873.705	615.86
load	N_1200057781	constant_power_B	3747.41	1231.72	1873.705	615.86
load	N_1200057781	constant_power_A_real	3747.41	0.0	1873.705	0.0
load	N_1200057781	constant_power_B_real	3747.41	0.0	1873.705	0.0
load	N_1200057781	constant_power_A_reac	1231.72	0.0	615.86	0.0
load	N_1200057781	constant_power_B_reac	1231.72	0.0	615.86	0.0
load	N_1200156505	constant_power_A	4563.95	2828.48	2281.975	1414.24
load	N_1200156505	constant_power_B	4563.95	2828.48	2281.975	1414.24
load	N_1200156505	constant_power_C	4563.95	2828.48	2281.975	1414.24
load	N_1200156505	constant_power_A_real	4563.95	0.0	2281.975	0.0
load	N_1200156505	constant_power_B_real	4563.95	0.0	2281.975	0.0
load	N_1200156505	constant_power_C_real	4563.95	0.0	2281.975	0.0
load	N_1200156505	constant_power_A_reac	2828.48	0.0	1414.24	0.0
load	N_1200156505	constant_power_B_reac	2828.48	0.0	1414.24	0.0
load	N_1200156505	constant_power_C_reac	2828.48	0.0	1414.24	0.0
load	N_1200156507	constant_power_A	3790.68	2289.44	1895.34	1144.72
load	N_1200156507	constant_power_B	3790.68	2289.44	1895.34	1144.72
load	N_1200156507	constant_power_C	3790.68	2289.44	1895.34	1144.72
load	N_1200156507	constant_power_A_real	3790.68	0.0	1895.34	0.0
load	N_1200156507	constant_power_B_real	3790.68	0.0	1895.34	0.0
load	N_1200156507	constant_power_C_real	3790.68	0.0	1895.34	0.0
load	N_1200156507	constant_power_A_reac	2289.44	0.0	1144.72	0.0
load	N_1200156507	constant_power_B_reac	2289.44	0.0	1144.72	0.0
load	N_1200156507	constant_power_C_reac	2289.44	0.0	1144.72	0.0
load	N_1200156501	constant_power_A	1535.74	504.772	767.87	252.386
load	N_1200156501	constant_power_B	1535.74	504.772	767.87	252.386
load	N_1200156501	constant_power_C	1535.74	504.772	767.87	252.386
load	N_1200156501	constant_power_A_real	1535.74	0.0	767.87	0.0
load	N_1200156501	constant_power_B_real	1535.74	0.0	767.87	0.0
load	N_1200156501	constant_power_C_real	1535.74	0.0	767.87	0.0
load	N_1200156501	constant_power_A_reac	504.772	0.0	252.386	0.0
load	N_1200156501	constant_power_B_reac	504.772	0.0	252.386	0.0
load	N_1200156501	constant_power_C_reac	504.772	0.0	252.386	0.0
load	N_1200156500	constant_power_A	6305.18	2209.34	3152.59	1104.67
load	N_1200156500	constant_power_B	6305.18	2209.34	3152.59	1104.67
load	N_1200156500	constant_power_C	6305.18	2209.34	3152.59	1104.67
load	N_1200156500	constant_power_A_real	6305.18	0.0	3152.59	0.0
load	N_1200156500	constant_power_B_real	6305.18	0.0	3152.59	0.0
load	N_1200156500	constant_power_C_real	6305.18	0.0	3152.59	0.0
load	N_1200156500	constant_power_A_reac	2209.34	0.0	1104.67	0.0
load	N_1200156500	constant_power_B_reac	2209.34	0.0	1104.67	0.0
load	N_1200156500	constant_power_C_reac	2209.34	0.0	1104.67	0.0
load	N_1200100438	constant_power_A	3742.01	1229.94	1871.005	614.97
load	N_1200100438	constant_power_B	3742.01	1229.94	1871.005	614.97
load	N_1200100438	constant_power_C	3742.01	1229.94	1871.005	614.97
load	N_1200100438	constant_power_A_real	3742.01	0.0	1871.005	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200100438	constant_power_B_real	3742.01	0.0	1871.005	0.0
load	N_1200100438	constant_power_C_real	3742.01	0.0	1871.005	0.0
load	N_1200100438	constant_power_A_reac	1229.94	0.0	614.97	0.0
load	N_1200100438	constant_power_B_reac	1229.94	0.0	614.97	0.0
load	N_1200100438	constant_power_C_reac	1229.94	0.0	614.97	0.0
load	N_1200100439	constant_power_A	4883.0	1604.96	2441.5	802.48
load	N_1200100439	constant_power_B	4883.0	1604.96	2441.5	802.48
load	N_1200100439	constant_power_C	4883.0	1604.96	2441.5	802.48
load	N_1200100439	constant_power_A_real	4883.0	0.0	2441.5	0.0
load	N_1200100439	constant_power_B_real	4883.0	0.0	2441.5	0.0
load	N_1200100439	constant_power_C_real	4883.0	0.0	2441.5	0.0
load	N_1200100439	constant_power_A_reac	1604.96	0.0	802.48	0.0
load	N_1200100439	constant_power_B_reac	1604.96	0.0	802.48	0.0
load	N_1200100439	constant_power_C_reac	1604.96	0.0	802.48	0.0
load	N_1200156666	constant_power_A	2698.36	1672.29	1349.18	836.145
load	N_1200156666	constant_power_B	2698.36	1672.29	1349.18	836.145
load	N_1200156666	constant_power_C	2698.36	1672.29	1349.18	836.145
load	N_1200156666	constant_power_A_real	2698.36	0.0	1349.18	0.0
load	N_1200156666	constant_power_B_real	2698.36	0.0	1349.18	0.0
load	N_1200156666	constant_power_C_real	2698.36	0.0	1349.18	0.0
load	N_1200156666	constant_power_A_reac	1672.29	0.0	836.145	0.0
load	N_1200156666	constant_power_B_reac	1672.29	0.0	836.145	0.0
load	N_1200156666	constant_power_C_reac	1672.29	0.0	836.145	0.0
load	N_1200100435	constant_power_A	3736.6	1228.16	1868.3	614.08
load	N_1200100435	constant_power_B	3736.6	1228.16	1868.3	614.08
load	N_1200100435	constant_power_C	3736.6	1228.16	1868.3	614.08
load	N_1200100435	constant_power_A_real	3736.6	0.0	1868.3	0.0
load	N_1200100435	constant_power_B_real	3736.6	0.0	1868.3	0.0
load	N_1200100435	constant_power_C_real	3736.6	0.0	1868.3	0.0
load	N_1200100435	constant_power_A_reac	1228.16	0.0	614.08	0.0
load	N_1200100435	constant_power_B_reac	1228.16	0.0	614.08	0.0
load	N_1200100435	constant_power_C_reac	1228.16	0.0	614.08	0.0
load	N_1200157374	constant_power_A	108.151	67.0258	54.0755	33.5129
load	N_1200157374	constant_power_B	108.151	67.0258	54.0755	33.5129
load	N_1200157374	constant_power_C	108.151	67.0258	54.0755	33.5129
load	N_1200157374	constant_power_A_real	108.151	0.0	54.0755	0.0
load	N_1200157374	constant_power_B_real	108.151	0.0	54.0755	0.0
load	N_1200157374	constant_power_C_real	108.151	0.0	54.0755	0.0
load	N_1200157374	constant_power_A_reac	67.0258	0.0	33.5129	0.0
load	N_1200157374	constant_power_B_reac	67.0258	0.0	33.5129	0.0
load	N_1200157374	constant_power_C_reac	67.0258	0.0	33.5129	0.0
load	N_1200156508	constant_power_A	3130.96	1029.1	1565.48	514.55
load	N_1200156508	constant_power_B	3130.96	1029.1	1565.48	514.55
load	N_1200156508	constant_power_C	3130.96	1029.1	1565.48	514.55
load	N_1200156508	constant_power_A_real	3130.96	0.0	1565.48	0.0
load	N_1200156508	constant_power_B_real	3130.96	0.0	1565.48	0.0
load	N_1200156508	constant_power_C_real	3130.96	0.0	1565.48	0.0
load	N_1200156508	constant_power_A_reac	1029.1	0.0	514.55	0.0
load	N_1200156508	constant_power_B_reac	1029.1	0.0	514.55	0.0
load	N_1200156508	constant_power_C_reac	1029.1	0.0	514.55	0.0
load	N_1200156663	constant_power_A	1524.92	945.062	762.46	472.531
load	N_1200156663	constant_power_B	1524.92	945.062	762.46	472.531
load	N_1200156663	constant_power_C	1524.92	945.062	762.46	472.531
load	N_1200156663	constant_power_A_real	1524.92	0.0	762.46	0.0
load	N_1200156663	constant_power_B_real	1524.92	0.0	762.46	0.0
load	N_1200156663	constant_power_C_real	1524.92	0.0	762.46	0.0
load	N_1200156663	constant_power_A_reac	945.062	0.0	472.531	0.0
load	N_1200156663	constant_power_B_reac	945.062	0.0	472.531	0.0
load	N_1200156663	constant_power_C_reac	945.062	0.0	472.531	0.0
load	N_1200101192	constant_power_A	1773.67	582.977	886.835	291.4885
load	N_1200101192	constant_power_B	1773.67	582.977	886.835	291.4885
load	N_1200101192	constant_power_C	1773.67	582.977	886.835	291.4885
load	N_1200101192	constant_power_A_real	1773.67	0.0	886.835	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200101192	constant_power_B_real	1773.67	0.0	886.835	0.0
load	N_1200101192	constant_power_C_real	1773.67	0.0	886.835	0.0
load	N_1200101192	constant_power_A_reac	582.977	0.0	291.4885	0.0
load	N_1200101192	constant_power_B_reac	582.977	0.0	291.4885	0.0
load	N_1200101192	constant_power_C_reac	582.977	0.0	291.4885	0.0
load	N_1200101191	constant_power_A	2628.06	863.801	1314.03	431.9005
load	N_1200101191	constant_power_B	2628.06	863.801	1314.03	431.9005
load	N_1200101191	constant_power_C	2628.06	863.801	1314.03	431.9005
load	N_1200101191	constant_power_A_real	2628.06	0.0	1314.03	0.0
load	N_1200101191	constant_power_B_real	2628.06	0.0	1314.03	0.0
load	N_1200101191	constant_power_C_real	2628.06	0.0	1314.03	0.0
load	N_1200101191	constant_power_A_reac	863.801	0.0	431.9005	0.0
load	N_1200101191	constant_power_B_reac	863.801	0.0	431.9005	0.0
load	N_1200101191	constant_power_C_reac	863.801	0.0	431.9005	0.0
load	N_1200510109	constant_power_A	48.6677	30.1615	24.33385	15.08075
load	N_1200510109	constant_power_B	48.6677	30.1615	24.33385	15.08075
load	N_1200510109	constant_power_C	48.6677	30.1615	24.33385	15.08075
load	N_1200510109	constant_power_A_real	48.6677	0.0	24.33385	0.0
load	N_1200510109	constant_power_B_real	48.6677	0.0	24.33385	0.0
load	N_1200510109	constant_power_C_real	48.6677	0.0	24.33385	0.0
load	N_1200510109	constant_power_A_reac	30.1615	0.0	15.08075	0.0
load	N_1200510109	constant_power_B_reac	30.1615	0.0	15.08075	0.0
load	N_1200510109	constant_power_C_reac	30.1615	0.0	15.08075	0.0
load	N_1200157449	constant_power_A	4274.65	1405.01	2137.325	702.505
load	N_1200157449	constant_power_B	4274.65	1405.01	2137.325	702.505
load	N_1200157449	constant_power_A_real	4274.65	0.0	2137.325	0.0
load	N_1200157449	constant_power_B_real	4274.65	0.0	2137.325	0.0
load	N_1200157449	constant_power_A_reac	1405.01	0.0	702.505	0.0
load	N_1200157449	constant_power_B_reac	1405.01	0.0	702.505	0.0
load	N_1200157441	constant_power_A	3774.45	2339.2	1887.225	1169.6
load	N_1200157441	constant_power_B	3774.45	2339.2	1887.225	1169.6
load	N_1200157441	constant_power_C	3774.45	2339.2	1887.225	1169.6
load	N_1200157441	constant_power_A_real	3774.45	0.0	1887.225	0.0
load	N_1200157441	constant_power_B_real	3774.45	0.0	1887.225	0.0
load	N_1200157441	constant_power_C_real	3774.45	0.0	1887.225	0.0
load	N_1200157441	constant_power_A_reac	2339.2	0.0	1169.6	0.0
load	N_1200157441	constant_power_B_reac	2339.2	0.0	1169.6	0.0
load	N_1200157441	constant_power_C_reac	2339.2	0.0	1169.6	0.0
load	N_1200157440	constant_power_A	2974.14	977.552	1487.07	488.776
load	N_1200157440	constant_power_B	2974.14	977.552	1487.07	488.776
load	N_1200157440	constant_power_C	2974.14	977.552	1487.07	488.776
load	N_1200157440	constant_power_A_real	2974.14	0.0	1487.07	0.0
load	N_1200157440	constant_power_B_real	2974.14	0.0	1487.07	0.0
load	N_1200157440	constant_power_C_real	2974.14	0.0	1487.07	0.0
load	N_1200157440	constant_power_A_reac	977.552	0.0	488.776	0.0
load	N_1200157440	constant_power_B_reac	977.552	0.0	488.776	0.0
load	N_1200157440	constant_power_C_reac	977.552	0.0	488.776	0.0
load	N_1200157445	constant_power_A	3109.33	1587.02	1554.665	793.51
load	N_1200157445	constant_power_B	3109.33	1587.02	1554.665	793.51
load	N_1200157445	constant_power_C	3109.33	1587.02	1554.665	793.51
load	N_1200157445	constant_power_A_real	3109.33	0.0	1554.665	0.0
load	N_1200157445	constant_power_B_real	3109.33	0.0	1554.665	0.0
load	N_1200157445	constant_power_C_real	3109.33	0.0	1554.665	0.0
load	N_1200157445	constant_power_A_reac	1587.02	0.0	793.51	0.0
load	N_1200157445	constant_power_B_reac	1587.02	0.0	793.51	0.0
load	N_1200157445	constant_power_C_reac	1587.02	0.0	793.51	0.0
load	N_1200157271	constant_power_A	1822.34	1129.38	911.17	564.69
load	N_1200157271	constant_power_B	1822.34	1129.38	911.17	564.69
load	N_1200157271	constant_power_C	1822.34	1129.38	911.17	564.69
load	N_1200157271	constant_power_A_real	1822.34	0.0	911.17	0.0
load	N_1200157271	constant_power_B_real	1822.34	0.0	911.17	0.0
load	N_1200157271	constant_power_C_real	1822.34	0.0	911.17	0.0
load	N_1200157271	constant_power_A_reac	1129.38	0.0	564.69	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157271	constant_power_B_reac	1129.38	0.0	564.69	0.0
load	N_1200157271	constant_power_C_reac	1129.38	0.0	564.69	0.0
load	N_1200157362	constant_power_A	10.815	6.70254	5.4075	3.35127
load	N_1200157362	constant_power_B	10.815	6.70254	5.4075	3.35127
load	N_1200157362	constant_power_C	10.815	6.70254	5.4075	3.35127
load	N_1200157362	constant_power_A_real	10.815	0.0	5.4075	0.0
load	N_1200157362	constant_power_B_real	10.815	0.0	5.4075	0.0
load	N_1200157362	constant_power_C_real	10.815	0.0	5.4075	0.0
load	N_1200157362	constant_power_A_reac	6.70254	0.0	3.35127	0.0
load	N_1200157362	constant_power_B_reac	6.70254	0.0	3.35127	0.0
load	N_1200157362	constant_power_C_reac	6.70254	0.0	3.35127	0.0
load	N_1200157363	constant_power_A	1562.78	513.659	781.39	256.8295
load	N_1200157363	constant_power_B	1562.78	513.659	781.39	256.8295
load	N_1200157363	constant_power_C	1562.78	513.659	781.39	256.8295
load	N_1200157363	constant_power_A_real	1562.78	0.0	781.39	0.0
load	N_1200157363	constant_power_B_real	1562.78	0.0	781.39	0.0
load	N_1200157363	constant_power_C_real	1562.78	0.0	781.39	0.0
load	N_1200157363	constant_power_A_reac	513.659	0.0	256.8295	0.0
load	N_1200157363	constant_power_B_reac	513.659	0.0	256.8295	0.0
load	N_1200157363	constant_power_C_reac	513.659	0.0	256.8295	0.0
load	N_1200157360	constant_power_A	6299.77	2346.07	3149.885	1173.035
load	N_1200157360	constant_power_B	6299.77	2346.07	3149.885	1173.035
load	N_1200157360	constant_power_C	6299.77	2346.07	3149.885	1173.035
load	N_1200157360	constant_power_A_real	6299.77	0.0	3149.885	0.0
load	N_1200157360	constant_power_B_real	6299.77	0.0	3149.885	0.0
load	N_1200157360	constant_power_C_real	6299.77	0.0	3149.885	0.0
load	N_1200157360	constant_power_A_reac	2346.07	0.0	1173.035	0.0
load	N_1200157360	constant_power_B_reac	2346.07	0.0	1173.035	0.0
load	N_1200157360	constant_power_C_reac	2346.07	0.0	1173.035	0.0
load	N_1200157361	constant_power_A	2298.2	755.381	1149.1	377.6905
load	N_1200157361	constant_power_B	2298.2	755.381	1149.1	377.6905
load	N_1200157361	constant_power_C	2298.2	755.381	1149.1	377.6905
load	N_1200157361	constant_power_A_real	2298.2	0.0	1149.1	0.0
load	N_1200157361	constant_power_B_real	2298.2	0.0	1149.1	0.0
load	N_1200157361	constant_power_C_real	2298.2	0.0	1149.1	0.0
load	N_1200157361	constant_power_A_reac	755.381	0.0	377.6905	0.0
load	N_1200157361	constant_power_B_reac	755.381	0.0	377.6905	0.0
load	N_1200157361	constant_power_C_reac	755.381	0.0	377.6905	0.0
load	N_1200157366	constant_power_A	1330.25	824.416	665.125	412.208
load	N_1200157366	constant_power_B	1330.25	824.416	665.125	412.208
load	N_1200157366	constant_power_C	1330.25	824.416	665.125	412.208
load	N_1200157366	constant_power_A_real	1330.25	0.0	665.125	0.0
load	N_1200157366	constant_power_B_real	1330.25	0.0	665.125	0.0
load	N_1200157366	constant_power_C_real	1330.25	0.0	665.125	0.0
load	N_1200157366	constant_power_A_reac	824.416	0.0	412.208	0.0
load	N_1200157366	constant_power_B_reac	824.416	0.0	412.208	0.0
load	N_1200157366	constant_power_C_reac	824.416	0.0	412.208	0.0
load	N_1200157367	constant_power_A	8311.37	5150.92	4155.685	2575.46
load	N_1200157367	constant_power_B	8311.37	5150.92	4155.685	2575.46
load	N_1200157367	constant_power_C	8311.37	5150.92	4155.685	2575.46
load	N_1200157367	constant_power_A_real	8311.37	0.0	4155.685	0.0
load	N_1200157367	constant_power_B_real	8311.37	0.0	4155.685	0.0
load	N_1200157367	constant_power_C_real	8311.37	0.0	4155.685	0.0
load	N_1200157367	constant_power_A_reac	5150.92	0.0	2575.46	0.0
load	N_1200157367	constant_power_B_reac	5150.92	0.0	2575.46	0.0
load	N_1200157367	constant_power_C_reac	5150.92	0.0	2575.46	0.0
load	N_1200157364	constant_power_A	4623.43	1519.65	2311.715	759.825
load	N_1200157364	constant_power_B	4623.43	1519.65	2311.715	759.825
load	N_1200157364	constant_power_C	4623.43	1519.65	2311.715	759.825
load	N_1200157364	constant_power_A_real	4623.43	0.0	2311.715	0.0
load	N_1200157364	constant_power_B_real	4623.43	0.0	2311.715	0.0
load	N_1200157364	constant_power_C_real	4623.43	0.0	2311.715	0.0
load	N_1200157364	constant_power_A_reac	1519.65	0.0	759.825	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200157364	constant_power_B_reac	1519.65	0.0	759.825	0.0
load	N_1200157364	constant_power_C_reac	1519.65	0.0	759.825	0.0
load	N_1200157365	constant_power_A	4780.25	1571.19	2390.125	785.595
load	N_1200157365	constant_power_B	4780.25	1571.19	2390.125	785.595
load	N_1200157365	constant_power_C	4780.25	1571.19	2390.125	785.595
load	N_1200157365	constant_power_A_real	4780.25	0.0	2390.125	0.0
load	N_1200157365	constant_power_B_real	4780.25	0.0	2390.125	0.0
load	N_1200157365	constant_power_C_real	4780.25	0.0	2390.125	0.0
load	N_1200157365	constant_power_A_reac	1571.19	0.0	785.595	0.0
load	N_1200157365	constant_power_B_reac	1571.19	0.0	785.595	0.0
load	N_1200157365	constant_power_C_reac	1571.19	0.0	785.595	0.0
load	N_1200157280	constant_power_A	2563.17	842.472	1281.585	421.236
load	N_1200157280	constant_power_B	2563.17	842.472	1281.585	421.236
load	N_1200157280	constant_power_C	2563.17	842.472	1281.585	421.236
load	N_1200157280	constant_power_A_real	2563.17	0.0	1281.585	0.0
load	N_1200157280	constant_power_B_real	2563.17	0.0	1281.585	0.0
load	N_1200157280	constant_power_C_real	2563.17	0.0	1281.585	0.0
load	N_1200157280	constant_power_A_reac	842.472	0.0	421.236	0.0
load	N_1200157280	constant_power_B_reac	842.472	0.0	421.236	0.0
load	N_1200157280	constant_power_C_reac	842.472	0.0	421.236	0.0
load	N_1200157368	constant_power_A	1549.26	509.216	774.63	254.608
load	N_1200157368	constant_power_B	1549.26	509.216	774.63	254.608
load	N_1200157368	constant_power_A_real	1549.26	0.0	774.63	0.0
load	N_1200157368	constant_power_B_real	1549.26	0.0	774.63	0.0
load	N_1200157368	constant_power_A_reac	509.216	0.0	254.608	0.0
load	N_1200157368	constant_power_B_reac	509.216	0.0	254.608	0.0
load	N_1200157369	constant_power_A	292.006	95.9777	146.003	47.98885
load	N_1200157369	constant_power_B	292.006	95.9777	146.003	47.98885
load	N_1200157369	constant_power_A_real	292.006	0.0	146.003	0.0
load	N_1200157369	constant_power_B_real	292.006	0.0	146.003	0.0
load	N_1200157369	constant_power_A_reac	95.9777	0.0	47.98885	0.0
load	N_1200157369	constant_power_B_reac	95.9777	0.0	47.98885	0.0
load	N_1200157284	constant_power_A	697.571	251.315	348.7855	125.6575
load	N_1200157284	constant_power_B	697.571	251.315	348.7855	125.6575
load	N_1200157284	constant_power_C	697.571	251.315	348.7855	125.6575
load	N_1200157284	constant_power_A_real	697.571	0.0	348.7855	0.0
load	N_1200157284	constant_power_B_real	697.571	0.0	348.7855	0.0
load	N_1200157284	constant_power_C_real	697.571	0.0	348.7855	0.0
load	N_1200157284	constant_power_A_reac	251.315	0.0	125.6575	0.0
load	N_1200157284	constant_power_B_reac	251.315	0.0	125.6575	0.0
load	N_1200157284	constant_power_C_reac	251.315	0.0	125.6575	0.0
load	N_1200507314	constant_power_A	2830.84	1754.4	1415.42	877.2
load	N_1200507314	constant_power_B	2830.84	1754.4	1415.42	877.2
load	N_1200507314	constant_power_A_real	2830.84	0.0	1415.42	0.0
load	N_1200507314	constant_power_B_real	2830.84	0.0	1415.42	0.0
load	N_1200507314	constant_power_A_reac	1754.4	0.0	877.2	0.0
load	N_1200507314	constant_power_B_reac	1754.4	0.0	877.2	0.0
load	N_1200157322	constant_power_A	2163.01	739.277	1081.505	369.6385
load	N_1200157322	constant_power_B	2163.01	739.277	1081.505	369.6385
load	N_1200157322	constant_power_C	2163.01	739.277	1081.505	369.6385
load	N_1200157322	constant_power_A_real	2163.01	0.0	1081.505	0.0
load	N_1200157322	constant_power_B_real	2163.01	0.0	1081.505	0.0
load	N_1200157322	constant_power_C_real	2163.01	0.0	1081.505	0.0
load	N_1200157322	constant_power_A_reac	739.277	0.0	369.6385	0.0
load	N_1200157322	constant_power_B_reac	739.277	0.0	369.6385	0.0
load	N_1200157322	constant_power_C_reac	739.277	0.0	369.6385	0.0
load	N_1200156887	constant_power_A	43.2603	26.8103	21.63015	13.40515
load	N_1200156887	constant_power_B	43.2603	26.8103	21.63015	13.40515
load	N_1200156887	constant_power_C	43.2603	26.8103	21.63015	13.40515
load	N_1200156887	constant_power_A_real	43.2603	0.0	21.63015	0.0
load	N_1200156887	constant_power_B_real	43.2603	0.0	21.63015	0.0
load	N_1200156887	constant_power_C_real	43.2603	0.0	21.63015	0.0
load	N_1200156887	constant_power_A_reac	26.8103	0.0	13.40515	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156887	constant_power_B_reac	26.8103	0.0	13.40515	0.0
load	N_1200156887	constant_power_C_reac	26.8103	0.0	13.40515	0.0
load	N_1200030626	constant_power_A	19426.5	6385.19	9713.25	3192.595
load	N_1200030626	constant_power_B	19426.5	6385.19	9713.25	3192.595
load	N_1200030626	constant_power_A_real	19426.5	0.0	9713.25	0.0
load	N_1200030626	constant_power_B_real	19426.5	0.0	9713.25	0.0
load	N_1200030626	constant_power_A_reac	6385.19	0.0	3192.595	0.0
load	N_1200030626	constant_power_B_reac	6385.19	0.0	3192.595	0.0
load	N_1200157081	constant_power_A	4699.14	1742.85	2349.57	871.425
load	N_1200157081	constant_power_B	4699.14	1742.85	2349.57	871.425
load	N_1200157081	constant_power_C	4699.14	1742.85	2349.57	871.425
load	N_1200157081	constant_power_A_real	4699.14	0.0	2349.57	0.0
load	N_1200157081	constant_power_B_real	4699.14	0.0	2349.57	0.0
load	N_1200157081	constant_power_C_real	4699.14	0.0	2349.57	0.0
load	N_1200157081	constant_power_A_reac	1742.85	0.0	871.425	0.0
load	N_1200157081	constant_power_B_reac	1742.85	0.0	871.425	0.0
load	N_1200157081	constant_power_C_reac	1742.85	0.0	871.425	0.0
load	N_1200157084	constant_power_A	4731.59	2932.37	2365.795	1466.185
load	N_1200157084	constant_power_B	4731.59	2932.37	2365.795	1466.185
load	N_1200157084	constant_power_C	4731.59	2932.37	2365.795	1466.185
load	N_1200157084	constant_power_A_real	4731.59	0.0	2365.795	0.0
load	N_1200157084	constant_power_B_real	4731.59	0.0	2365.795	0.0
load	N_1200157084	constant_power_C_real	4731.59	0.0	2365.795	0.0
load	N_1200157084	constant_power_A_reac	2932.37	0.0	1466.185	0.0
load	N_1200157084	constant_power_B_reac	2932.37	0.0	1466.185	0.0
load	N_1200157084	constant_power_C_reac	2932.37	0.0	1466.185	0.0
load	N_1200156760	constant_power_A	10.815	3.55472	5.4075	1.77736
load	N_1200156760	constant_power_B	10.815	3.55472	5.4075	1.77736
load	N_1200156760	constant_power_C	10.815	3.55472	5.4075	1.77736
load	N_1200156760	constant_power_A_real	10.815	0.0	5.4075	0.0
load	N_1200156760	constant_power_B_real	10.815	0.0	5.4075	0.0
load	N_1200156760	constant_power_C_real	10.815	0.0	5.4075	0.0
load	N_1200156760	constant_power_A_reac	3.55472	0.0	1.77736	0.0
load	N_1200156760	constant_power_B_reac	3.55472	0.0	1.77736	0.0
load	N_1200156760	constant_power_C_reac	3.55472	0.0	1.77736	0.0
load	N_1200156763	constant_power_A	6672.89	2193.27	3336.445	1096.635
load	N_1200156763	constant_power_B	6672.89	2193.27	3336.445	1096.635
load	N_1200156763	constant_power_C	6672.89	2193.27	3336.445	1096.635
load	N_1200156763	constant_power_A_real	6672.89	0.0	3336.445	0.0
load	N_1200156763	constant_power_B_real	6672.89	0.0	3336.445	0.0
load	N_1200156763	constant_power_C_real	6672.89	0.0	3336.445	0.0
load	N_1200156763	constant_power_A_reac	2193.27	0.0	1096.635	0.0
load	N_1200156763	constant_power_B_reac	2193.27	0.0	1096.635	0.0
load	N_1200156763	constant_power_C_reac	2193.27	0.0	1096.635	0.0
load	N_1200156762	constant_power_A	3285.07	1084.47	1642.535	542.235
load	N_1200156762	constant_power_B	3285.07	1084.47	1642.535	542.235
load	N_1200156762	constant_power_A_real	3285.07	0.0	1642.535	0.0
load	N_1200156762	constant_power_B_real	3285.07	0.0	1642.535	0.0
load	N_1200156762	constant_power_A_reac	1084.47	0.0	542.235	0.0
load	N_1200156762	constant_power_B_reac	1084.47	0.0	542.235	0.0
load	N_1200156765	constant_power_A	2806.51	922.454	1403.255	461.227
load	N_1200156765	constant_power_B	2806.51	922.454	1403.255	461.227
load	N_1200156765	constant_power_C	2806.51	922.454	1403.255	461.227
load	N_1200156765	constant_power_A_real	2806.51	0.0	1403.255	0.0
load	N_1200156765	constant_power_B_real	2806.51	0.0	1403.255	0.0
load	N_1200156765	constant_power_C_real	2806.51	0.0	1403.255	0.0
load	N_1200156765	constant_power_A_reac	922.454	0.0	461.227	0.0
load	N_1200156765	constant_power_B_reac	922.454	0.0	461.227	0.0
load	N_1200156765	constant_power_C_reac	922.454	0.0	461.227	0.0
load	N_1200156764	constant_power_A	2103.53	691.396	1051.765	345.698
load	N_1200156764	constant_power_B	2103.53	691.396	1051.765	345.698
load	N_1200156764	constant_power_C	2103.53	691.396	1051.765	345.698
load	N_1200156764	constant_power_A_real	2103.53	0.0	1051.765	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156764	constant_power_B_real	2103.53	0.0	1051.765	0.0
load	N_1200156764	constant_power_C_real	2103.53	0.0	1051.765	0.0
load	N_1200156764	constant_power_A_reac	691.396	0.0	345.698	0.0
load	N_1200156764	constant_power_B_reac	691.396	0.0	345.698	0.0
load	N_1200156764	constant_power_C_reac	691.396	0.0	345.698	0.0
load	N_1200156768	constant_power_A	9003.53	3710.08	4501.765	1855.04
load	N_1200156768	constant_power_B	9003.53	3710.08	4501.765	1855.04
load	N_1200156768	constant_power_C	9003.53	3710.08	4501.765	1855.04
load	N_1200156768	constant_power_A_real	9003.53	0.0	4501.765	0.0
load	N_1200156768	constant_power_B_real	9003.53	0.0	4501.765	0.0
load	N_1200156768	constant_power_C_real	9003.53	0.0	4501.765	0.0
load	N_1200156768	constant_power_A_reac	3710.08	0.0	1855.04	0.0
load	N_1200156768	constant_power_B_reac	3710.08	0.0	1855.04	0.0
load	N_1200156768	constant_power_C_reac	3710.08	0.0	1855.04	0.0
load	N_1200088323	constant_power_A	50046.7	16449.5	25023.35	8224.75
load	N_1200088323	constant_power_B	50046.7	16449.5	25023.35	8224.75
load	N_1200088323	constant_power_A_real	50046.7	0.0	25023.35	0.0
load	N_1200088323	constant_power_B_real	50046.7	0.0	25023.35	0.0
load	N_1200088323	constant_power_A_reac	16449.5	0.0	8224.75	0.0
load	N_1200088323	constant_power_B_reac	16449.5	0.0	8224.75	0.0
load	N_1200517461	constant_power_A	2665.91	1630.15	1332.955	815.075
load	N_1200517461	constant_power_B	2665.91	1630.15	1332.955	815.075
load	N_1200517461	constant_power_C	2665.91	1630.15	1332.955	815.075
load	N_1200517461	constant_power_A_real	2665.91	0.0	1332.955	0.0
load	N_1200517461	constant_power_B_real	2665.91	0.0	1332.955	0.0
load	N_1200517461	constant_power_C_real	2665.91	0.0	1332.955	0.0
load	N_1200517461	constant_power_A_reac	1630.15	0.0	815.075	0.0
load	N_1200517461	constant_power_B_reac	1630.15	0.0	815.075	0.0
load	N_1200517461	constant_power_C_reac	1630.15	0.0	815.075	0.0
load	N_1200031599	constant_power_A	10744.8	6659.0	5372.4	3329.5
load	N_1200031599	constant_power_B	10744.8	6659.0	5372.4	3329.5
load	N_1200031599	constant_power_C	10744.8	6659.0	5372.4	3329.5
load	N_1200031599	constant_power_A_real	10744.8	0.0	5372.4	0.0
load	N_1200031599	constant_power_B_real	10744.8	0.0	5372.4	0.0
load	N_1200031599	constant_power_C_real	10744.8	0.0	5372.4	0.0
load	N_1200031599	constant_power_A_reac	6659.0	0.0	3329.5	0.0
load	N_1200031599	constant_power_B_reac	6659.0	0.0	3329.5	0.0
load	N_1200031599	constant_power_C_reac	6659.0	0.0	3329.5	0.0
load	N_1200156918	constant_power_A	2525.31	1029.92	1262.655	514.96
load	N_1200156918	constant_power_B	2525.31	1029.92	1262.655	514.96
load	N_1200156918	constant_power_C	2525.31	1029.92	1262.655	514.96
load	N_1200156918	constant_power_A_real	2525.31	0.0	1262.655	0.0
load	N_1200156918	constant_power_B_real	2525.31	0.0	1262.655	0.0
load	N_1200156918	constant_power_C_real	2525.31	0.0	1262.655	0.0
load	N_1200156918	constant_power_A_reac	1029.92	0.0	514.96	0.0
load	N_1200156918	constant_power_B_reac	1029.92	0.0	514.96	0.0
load	N_1200156918	constant_power_C_reac	1029.92	0.0	514.96	0.0
load	N_1200156916	constant_power_A	3752.82	2325.79	1876.41	1162.895
load	N_1200156916	constant_power_B	3752.82	2325.79	1876.41	1162.895
load	N_1200156916	constant_power_C	3752.82	2325.79	1876.41	1162.895
load	N_1200156916	constant_power_A_real	3752.82	0.0	1876.41	0.0
load	N_1200156916	constant_power_B_real	3752.82	0.0	1876.41	0.0
load	N_1200156916	constant_power_C_real	3752.82	0.0	1876.41	0.0
load	N_1200156916	constant_power_A_reac	2325.79	0.0	1162.895	0.0
load	N_1200156916	constant_power_B_reac	2325.79	0.0	1162.895	0.0
load	N_1200156916	constant_power_C_reac	2325.79	0.0	1162.895	0.0
load	N_1200156917	constant_power_A	1346.47	442.565	673.235	221.2825
load	N_1200156917	constant_power_B	1346.47	442.565	673.235	221.2825
load	N_1200156917	constant_power_C	1346.47	442.565	673.235	221.2825
load	N_1200156917	constant_power_A_real	1346.47	0.0	673.235	0.0
load	N_1200156917	constant_power_B_real	1346.47	0.0	673.235	0.0
load	N_1200156917	constant_power_C_real	1346.47	0.0	673.235	0.0
load	N_1200156917	constant_power_A_reac	442.565	0.0	221.2825	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156917	constant_power_B_reac	442.565	0.0	221.2825	0.0
load	N_1200156917	constant_power_C_reac	442.565	0.0	221.2825	0.0
load	N_1200156915	constant_power_A	4336.84	2687.73	2168.42	1343.865
load	N_1200156915	constant_power_B	4336.84	2687.73	2168.42	1343.865
load	N_1200156915	constant_power_C	4336.84	2687.73	2168.42	1343.865
load	N_1200156915	constant_power_A_real	4336.84	0.0	2168.42	0.0
load	N_1200156915	constant_power_B_real	4336.84	0.0	2168.42	0.0
load	N_1200156915	constant_power_C_real	4336.84	0.0	2168.42	0.0
load	N_1200156915	constant_power_A_reac	2687.73	0.0	1343.865	0.0
load	N_1200156915	constant_power_B_reac	2687.73	0.0	1343.865	0.0
load	N_1200156915	constant_power_C_reac	2687.73	0.0	1343.865	0.0
load	N_1200156913	constant_power_A	7224.45	3570.74	3612.225	1785.37
load	N_1200156913	constant_power_B	7224.45	3570.74	3612.225	1785.37
load	N_1200156913	constant_power_C	7224.45	3570.74	3612.225	1785.37
load	N_1200156913	constant_power_A_real	7224.45	0.0	3612.225	0.0
load	N_1200156913	constant_power_B_real	7224.45	0.0	3612.225	0.0
load	N_1200156913	constant_power_C_real	7224.45	0.0	3612.225	0.0
load	N_1200156913	constant_power_A_reac	3570.74	0.0	1785.37	0.0
load	N_1200156913	constant_power_B_reac	3570.74	0.0	1785.37	0.0
load	N_1200156913	constant_power_C_reac	3570.74	0.0	1785.37	0.0
load	N_1200156910	constant_power_A	1827.74	1132.73	913.87	566.365
load	N_1200156910	constant_power_B	1827.74	1132.73	913.87	566.365
load	N_1200156910	constant_power_C	1827.74	1132.73	913.87	566.365
load	N_1200156910	constant_power_A_real	1827.74	0.0	913.87	0.0
load	N_1200156910	constant_power_B_real	1827.74	0.0	913.87	0.0
load	N_1200156910	constant_power_C_real	1827.74	0.0	913.87	0.0
load	N_1200156910	constant_power_A_reac	1132.73	0.0	566.365	0.0
load	N_1200156910	constant_power_B_reac	1132.73	0.0	566.365	0.0
load	N_1200156910	constant_power_C_reac	1132.73	0.0	566.365	0.0
load	N_1200156911	constant_power_A	2130.57	709.726	1065.285	354.863
load	N_1200156911	constant_power_B	2130.57	709.726	1065.285	354.863
load	N_1200156911	constant_power_C	2130.57	709.726	1065.285	354.863
load	N_1200156911	constant_power_A_real	2130.57	0.0	1065.285	0.0
load	N_1200156911	constant_power_B_real	2130.57	0.0	1065.285	0.0
load	N_1200156911	constant_power_C_real	2130.57	0.0	1065.285	0.0
load	N_1200156911	constant_power_A_reac	709.726	0.0	354.863	0.0
load	N_1200156911	constant_power_B_reac	709.726	0.0	354.863	0.0
load	N_1200156911	constant_power_C_reac	709.726	0.0	354.863	0.0
load	N_1200157373	constant_power_A	1752.04	575.867	876.02	287.9335
load	N_1200157373	constant_power_B	1752.04	575.867	876.02	287.9335
load	N_1200157373	constant_power_C	1752.04	575.867	876.02	287.9335
load	N_1200157373	constant_power_A_real	1752.04	0.0	876.02	0.0
load	N_1200157373	constant_power_B_real	1752.04	0.0	876.02	0.0
load	N_1200157373	constant_power_C_real	1752.04	0.0	876.02	0.0
load	N_1200157373	constant_power_A_reac	575.867	0.0	287.9335	0.0
load	N_1200157373	constant_power_B_reac	575.867	0.0	287.9335	0.0
load	N_1200157373	constant_power_C_reac	575.867	0.0	287.9335	0.0
load	N_1200156714	constant_power_A	6921.63	4289.64	3460.815	2144.82
load	N_1200156714	constant_power_B	6921.63	4289.64	3460.815	2144.82
load	N_1200156714	constant_power_C	6921.63	4289.64	3460.815	2144.82
load	N_1200156714	constant_power_A_real	6921.63	0.0	3460.815	0.0
load	N_1200156714	constant_power_B_real	6921.63	0.0	3460.815	0.0
load	N_1200156714	constant_power_C_real	6921.63	0.0	3460.815	0.0
load	N_1200156714	constant_power_A_reac	4289.64	0.0	2144.82	0.0
load	N_1200156714	constant_power_B_reac	4289.64	0.0	2144.82	0.0
load	N_1200156714	constant_power_C_reac	4289.64	0.0	2144.82	0.0
load	N_1200156715	constant_power_A	946.317	311.039	473.1585	155.5195
load	N_1200156715	constant_power_B	946.317	311.039	473.1585	155.5195
load	N_1200156715	constant_power_C	946.317	311.039	473.1585	155.5195
load	N_1200156715	constant_power_A_real	946.317	0.0	473.1585	0.0
load	N_1200156715	constant_power_B_real	946.317	0.0	473.1585	0.0
load	N_1200156715	constant_power_C_real	946.317	0.0	473.1585	0.0
load	N_1200156715	constant_power_A_reac	311.039	0.0	155.5195	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156715	constant_power_B_reac	311.039	0.0	155.5195	0.0
load	N_1200156715	constant_power_C_reac	311.039	0.0	155.5195	0.0
load	N_1200156716	constant_power_A	594.828	368.641	297.414	184.3205
load	N_1200156716	constant_power_B	594.828	368.641	297.414	184.3205
load	N_1200156716	constant_power_C	594.828	368.641	297.414	184.3205
load	N_1200156716	constant_power_A_real	594.828	0.0	297.414	0.0
load	N_1200156716	constant_power_B_real	594.828	0.0	297.414	0.0
load	N_1200156716	constant_power_C_real	594.828	0.0	297.414	0.0
load	N_1200156716	constant_power_A_reac	368.641	0.0	184.3205	0.0
load	N_1200156716	constant_power_B_reac	368.641	0.0	184.3205	0.0
load	N_1200156716	constant_power_C_reac	368.641	0.0	184.3205	0.0
load	N_1200156717	constant_power_A	1935.89	636.298	967.945	318.149
load	N_1200156717	constant_power_B	1935.89	636.298	967.945	318.149
load	N_1200156717	constant_power_C	1935.89	636.298	967.945	318.149
load	N_1200156717	constant_power_A_real	1935.89	0.0	967.945	0.0
load	N_1200156717	constant_power_B_real	1935.89	0.0	967.945	0.0
load	N_1200156717	constant_power_C_real	1935.89	0.0	967.945	0.0
load	N_1200156717	constant_power_A_reac	636.298	0.0	318.149	0.0
load	N_1200156717	constant_power_B_reac	636.298	0.0	318.149	0.0
load	N_1200156717	constant_power_C_reac	636.298	0.0	318.149	0.0
load	N_1200157217	constant_power_A	1341.07	440.787	670.535	220.3935
load	N_1200157217	constant_power_B	1341.07	440.787	670.535	220.3935
load	N_1200157217	constant_power_C	1341.07	440.787	670.535	220.3935
load	N_1200157217	constant_power_A_real	1341.07	0.0	670.535	0.0
load	N_1200157217	constant_power_B_real	1341.07	0.0	670.535	0.0
load	N_1200157217	constant_power_C_real	1341.07	0.0	670.535	0.0
load	N_1200157217	constant_power_A_reac	440.787	0.0	220.3935	0.0
load	N_1200157217	constant_power_B_reac	440.787	0.0	220.3935	0.0
load	N_1200157217	constant_power_C_reac	440.787	0.0	220.3935	0.0
load	N_1200156718	constant_power_A	5548.12	3438.42	2774.06	1719.21
load	N_1200156718	constant_power_B	5548.12	3438.42	2774.06	1719.21
load	N_1200156718	constant_power_C	5548.12	3438.42	2774.06	1719.21
load	N_1200156718	constant_power_A_real	5548.12	0.0	2774.06	0.0
load	N_1200156718	constant_power_B_real	5548.12	0.0	2774.06	0.0
load	N_1200156718	constant_power_C_real	5548.12	0.0	2774.06	0.0
load	N_1200156718	constant_power_A_reac	3438.42	0.0	1719.21	0.0
load	N_1200156718	constant_power_B_reac	3438.42	0.0	1719.21	0.0
load	N_1200156718	constant_power_C_reac	3438.42	0.0	1719.21	0.0
load	N_1200090568	constant_power_A	2579.39	1598.56	1289.695	799.28
load	N_1200090568	constant_power_B	2579.39	1598.56	1289.695	799.28
load	N_1200090568	constant_power_C	2579.39	1598.56	1289.695	799.28
load	N_1200090568	constant_power_A_real	2579.39	0.0	1289.695	0.0
load	N_1200090568	constant_power_B_real	2579.39	0.0	1289.695	0.0
load	N_1200090568	constant_power_C_real	2579.39	0.0	1289.695	0.0
load	N_1200090568	constant_power_A_reac	1598.56	0.0	799.28	0.0
load	N_1200090568	constant_power_B_reac	1598.56	0.0	799.28	0.0
load	N_1200090568	constant_power_C_reac	1598.56	0.0	799.28	0.0
load	N_1200090569	constant_power_A	8684.49	5382.16	4342.245	2691.08
load	N_1200090569	constant_power_B	8684.49	5382.16	4342.245	2691.08
load	N_1200090569	constant_power_C	8684.49	5382.16	4342.245	2691.08
load	N_1200090569	constant_power_A_real	8684.49	0.0	4342.245	0.0
load	N_1200090569	constant_power_B_real	8684.49	0.0	4342.245	0.0
load	N_1200090569	constant_power_C_real	8684.49	0.0	4342.245	0.0
load	N_1200090569	constant_power_A_reac	5382.16	0.0	2691.08	0.0
load	N_1200090569	constant_power_B_reac	5382.16	0.0	2691.08	0.0
load	N_1200090569	constant_power_C_reac	5382.16	0.0	2691.08	0.0
load	N_1200156862	constant_power_A	892.242	293.266	446.121	146.633
load	N_1200156862	constant_power_B	892.242	293.266	446.121	146.633
load	N_1200156862	constant_power_C	892.242	293.266	446.121	146.633
load	N_1200156862	constant_power_A_real	892.242	0.0	446.121	0.0
load	N_1200156862	constant_power_B_real	892.242	0.0	446.121	0.0
load	N_1200156862	constant_power_C_real	892.242	0.0	446.121	0.0
load	N_1200156862	constant_power_A_reac	293.266	0.0	146.633	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156862	constant_power_B_reac	293.266	0.0	146.633	0.0
load	N_1200156862	constant_power_C_reac	293.266	0.0	146.633	0.0
load	N_1200156863	constant_power_A	5.40767	3.35137	2.703835	1.675685
load	N_1200156863	constant_power_B	5.40767	3.35137	2.703835	1.675685
load	N_1200156863	constant_power_C	5.40767	3.35137	2.703835	1.675685
load	N_1200156863	constant_power_A_real	5.40767	0.0	2.703835	0.0
load	N_1200156863	constant_power_B_real	5.40767	0.0	2.703835	0.0
load	N_1200156863	constant_power_C_real	5.40767	0.0	2.703835	0.0
load	N_1200156863	constant_power_A_reac	3.35137	0.0	1.675685	0.0
load	N_1200156863	constant_power_B_reac	3.35137	0.0	1.675685	0.0
load	N_1200156863	constant_power_C_reac	3.35137	0.0	1.675685	0.0
load	N_1200090561	constant_power_A	4742.4	1558.75	2371.2	779.375
load	N_1200090561	constant_power_B	4742.4	1558.75	2371.2	779.375
load	N_1200090561	constant_power_C	4742.4	1558.75	2371.2	779.375
load	N_1200090561	constant_power_A_real	4742.4	0.0	2371.2	0.0
load	N_1200090561	constant_power_B_real	4742.4	0.0	2371.2	0.0
load	N_1200090561	constant_power_C_real	4742.4	0.0	2371.2	0.0
load	N_1200090561	constant_power_A_reac	1558.75	0.0	779.375	0.0
load	N_1200090561	constant_power_B_reac	1558.75	0.0	779.375	0.0
load	N_1200090561	constant_power_C_reac	1558.75	0.0	779.375	0.0
load	N_1200090566	constant_power_A	2611.84	1618.67	1305.92	809.335
load	N_1200090566	constant_power_B	2611.84	1618.67	1305.92	809.335
load	N_1200090566	constant_power_C	2611.84	1618.67	1305.92	809.335
load	N_1200090566	constant_power_A_real	2611.84	0.0	1305.92	0.0
load	N_1200090566	constant_power_B_real	2611.84	0.0	1305.92	0.0
load	N_1200090566	constant_power_C_real	2611.84	0.0	1305.92	0.0
load	N_1200090566	constant_power_A_reac	1618.67	0.0	809.335	0.0
load	N_1200090566	constant_power_B_reac	1618.67	0.0	809.335	0.0
load	N_1200090566	constant_power_C_reac	1618.67	0.0	809.335	0.0
load	N_1200031391	constant_power_A	9419.91	5837.94	4709.955	2918.97
load	N_1200031391	constant_power_B	9419.91	5837.94	4709.955	2918.97
load	N_1200031391	constant_power_C	9419.91	5837.94	4709.955	2918.97
load	N_1200031391	constant_power_A_real	9419.91	0.0	4709.955	0.0
load	N_1200031391	constant_power_B_real	9419.91	0.0	4709.955	0.0
load	N_1200031391	constant_power_C_real	9419.91	0.0	4709.955	0.0
load	N_1200031391	constant_power_A_reac	5837.94	0.0	2918.97	0.0
load	N_1200031391	constant_power_B_reac	5837.94	0.0	2918.97	0.0
load	N_1200031391	constant_power_C_reac	5837.94	0.0	2918.97	0.0
load	N_1200090564	constant_power_A	4309.8	2670.97	2154.9	1335.485
load	N_1200090564	constant_power_B	4309.8	2670.97	2154.9	1335.485
load	N_1200090564	constant_power_C	4309.8	2670.97	2154.9	1335.485
load	N_1200090564	constant_power_A_real	4309.8	0.0	2154.9	0.0
load	N_1200090564	constant_power_B_real	4309.8	0.0	2154.9	0.0
load	N_1200090564	constant_power_C_real	4309.8	0.0	2154.9	0.0
load	N_1200090564	constant_power_A_reac	2670.97	0.0	1335.485	0.0
load	N_1200090564	constant_power_B_reac	2670.97	0.0	1335.485	0.0
load	N_1200090564	constant_power_C_reac	2670.97	0.0	1335.485	0.0
load	N_1200090565	constant_power_A	5.40767	3.35137	2.703835	1.675685
load	N_1200090565	constant_power_B	5.40767	3.35137	2.703835	1.675685
load	N_1200090565	constant_power_C	5.40767	3.35137	2.703835	1.675685
load	N_1200090565	constant_power_A_real	5.40767	0.0	2.703835	0.0
load	N_1200090565	constant_power_B_real	5.40767	0.0	2.703835	0.0
load	N_1200090565	constant_power_C_real	5.40767	0.0	2.703835	0.0
load	N_1200090565	constant_power_A_reac	3.35137	0.0	1.675685	0.0
load	N_1200090565	constant_power_B_reac	3.35137	0.0	1.675685	0.0
load	N_1200090565	constant_power_C_reac	3.35137	0.0	1.675685	0.0
load	N_1200156548	constant_power_A	589.42	193.733	294.71	96.8665
load	N_1200156548	constant_power_B	589.42	193.733	294.71	96.8665
load	N_1200156548	constant_power_C	589.42	193.733	294.71	96.8665
load	N_1200156548	constant_power_A_real	589.42	0.0	294.71	0.0
load	N_1200156548	constant_power_B_real	589.42	0.0	294.71	0.0
load	N_1200156548	constant_power_C_real	589.42	0.0	294.71	0.0
load	N_1200156548	constant_power_A_reac	193.733	0.0	96.8665	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156548	constant_power_B_reac	193.733	0.0	96.8665	0.0
load	N_1200156548	constant_power_C_reac	193.733	0.0	96.8665	0.0
load	N_1200156540	constant_power_A	1432.99	471.002	716.495	235.501
load	N_1200156540	constant_power_B	1432.99	471.002	716.495	235.501
load	N_1200156540	constant_power_C	1432.99	471.002	716.495	235.501
load	N_1200156540	constant_power_A_real	1432.99	0.0	716.495	0.0
load	N_1200156540	constant_power_B_real	1432.99	0.0	716.495	0.0
load	N_1200156540	constant_power_C_real	1432.99	0.0	716.495	0.0
load	N_1200156540	constant_power_A_reac	471.002	0.0	235.501	0.0
load	N_1200156540	constant_power_B_reac	471.002	0.0	235.501	0.0
load	N_1200156540	constant_power_C_reac	471.002	0.0	235.501	0.0
load	N_1200156543	constant_power_A	3039.03	1375.05	1519.515	687.525
load	N_1200156543	constant_power_B	3039.03	1375.05	1519.515	687.525
load	N_1200156543	constant_power_C	3039.03	1375.05	1519.515	687.525
load	N_1200156543	constant_power_A_real	3039.03	0.0	1519.515	0.0
load	N_1200156543	constant_power_B_real	3039.03	0.0	1519.515	0.0
load	N_1200156543	constant_power_C_real	3039.03	0.0	1519.515	0.0
load	N_1200156543	constant_power_A_reac	1375.05	0.0	687.525	0.0
load	N_1200156543	constant_power_B_reac	1375.05	0.0	687.525	0.0
load	N_1200156543	constant_power_C_reac	1375.05	0.0	687.525	0.0
load	N_1200156542	constant_power_A	18580.3	11515.0	9290.15	5757.5
load	N_1200156542	constant_power_B	18580.3	11515.0	9290.15	5757.5
load	N_1200156542	constant_power_C	18580.3	11515.0	9290.15	5757.5
load	N_1200156542	constant_power_A_real	18580.3	0.0	9290.15	0.0
load	N_1200156542	constant_power_B_real	18580.3	0.0	9290.15	0.0
load	N_1200156542	constant_power_C_real	18580.3	0.0	9290.15	0.0
load	N_1200156542	constant_power_A_reac	11515.0	0.0	5757.5	0.0
load	N_1200156542	constant_power_B_reac	11515.0	0.0	5757.5	0.0
load	N_1200156542	constant_power_C_reac	11515.0	0.0	5757.5	0.0
load	N_1200156545	constant_power_A	4098.9	2540.27	2049.45	1270.135
load	N_1200156545	constant_power_B	4098.9	2540.27	2049.45	1270.135
load	N_1200156545	constant_power_C	4098.9	2540.27	2049.45	1270.135
load	N_1200156545	constant_power_A_real	4098.9	0.0	2049.45	0.0
load	N_1200156545	constant_power_B_real	4098.9	0.0	2049.45	0.0
load	N_1200156545	constant_power_C_real	4098.9	0.0	2049.45	0.0
load	N_1200156545	constant_power_A_reac	2540.27	0.0	1270.135	0.0
load	N_1200156545	constant_power_B_reac	2540.27	0.0	1270.135	0.0
load	N_1200156545	constant_power_C_reac	2540.27	0.0	1270.135	0.0
load	N_1200156547	constant_power_A	1962.93	645.184	981.465	322.592
load	N_1200156547	constant_power_B	1962.93	645.184	981.465	322.592
load	N_1200156547	constant_power_C	1962.93	645.184	981.465	322.592
load	N_1200156547	constant_power_A_real	1962.93	0.0	981.465	0.0
load	N_1200156547	constant_power_B_real	1962.93	0.0	981.465	0.0
load	N_1200156547	constant_power_C_real	1962.93	0.0	981.465	0.0
load	N_1200156547	constant_power_A_reac	645.184	0.0	322.592	0.0
load	N_1200156547	constant_power_B_reac	645.184	0.0	322.592	0.0
load	N_1200156547	constant_power_C_reac	645.184	0.0	322.592	0.0
load	N_1200120288	constant_power_A	3536.52	1162.4	1768.26	581.2
load	N_1200120288	constant_power_B	3536.52	1162.4	1768.26	581.2
load	N_1200120288	constant_power_C	3536.52	1162.4	1768.26	581.2
load	N_1200120288	constant_power_A_real	3536.52	0.0	1768.26	0.0
load	N_1200120288	constant_power_B_real	3536.52	0.0	1768.26	0.0
load	N_1200120288	constant_power_C_real	3536.52	0.0	1768.26	0.0
load	N_1200120288	constant_power_A_reac	1162.4	0.0	581.2	0.0
load	N_1200120288	constant_power_B_reac	1162.4	0.0	581.2	0.0
load	N_1200120288	constant_power_C_reac	1162.4	0.0	581.2	0.0
load	N_1200156789	constant_power_A	5102.0	1676.95	2551.0	838.475
load	N_1200156789	constant_power_B	5102.0	1676.95	2551.0	838.475
load	N_1200156789	constant_power_A_real	5102.0	0.0	2551.0	0.0
load	N_1200156789	constant_power_B_real	5102.0	0.0	2551.0	0.0
load	N_1200156789	constant_power_A_reac	1676.95	0.0	838.475	0.0
load	N_1200156789	constant_power_B_reac	1676.95	0.0	838.475	0.0
load	N_1200156787	constant_power_A	4926.26	3053.02	2463.13	1526.51

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200156787	constant_power_B	4926.26	3053.02	2463.13	1526.51
load	N_1200156787	constant_power_C	4926.26	3053.02	2463.13	1526.51
load	N_1200156787	constant_power_A_real	4926.26	0.0	2463.13	0.0
load	N_1200156787	constant_power_B_real	4926.26	0.0	2463.13	0.0
load	N_1200156787	constant_power_C_real	4926.26	0.0	2463.13	0.0
load	N_1200156787	constant_power_A_reac	3053.02	0.0	1526.51	0.0
load	N_1200156787	constant_power_B_reac	3053.02	0.0	1526.51	0.0
load	N_1200156787	constant_power_C_reac	3053.02	0.0	1526.51	0.0
load	N_1200017610	constant_power_A	557651.0	345601.0	278825.5	172800.5
load	N_1200017610	constant_power_B	557651.0	345601.0	278825.5	172800.5
load	N_1200017610	constant_power_C	557651.0	345601.0	278825.5	172800.5
load	N_1200017610	constant_power_A_real	557651.0	0.0	278825.5	0.0
load	N_1200017610	constant_power_B_real	557651.0	0.0	278825.5	0.0
load	N_1200017610	constant_power_C_real	557651.0	0.0	278825.5	0.0
load	N_1200017610	constant_power_A_reac	345601.0	0.0	172800.5	0.0
load	N_1200017610	constant_power_B_reac	345601.0	0.0	172800.5	0.0
load	N_1200017610	constant_power_C_reac	345601.0	0.0	172800.5	0.0
load	N_1200156785	constant_power_A	2963.32	973.997	1481.66	486.9985
load	N_1200156785	constant_power_B	2963.32	973.997	1481.66	486.9985
load	N_1200156785	constant_power_C	2963.32	973.997	1481.66	486.9985
load	N_1200156785	constant_power_A_real	2963.32	0.0	1481.66	0.0
load	N_1200156785	constant_power_B_real	2963.32	0.0	1481.66	0.0
load	N_1200156785	constant_power_C_real	2963.32	0.0	1481.66	0.0
load	N_1200156785	constant_power_A_reac	973.997	0.0	486.9985	0.0
load	N_1200156785	constant_power_B_reac	973.997	0.0	486.9985	0.0
load	N_1200156785	constant_power_C_reac	973.997	0.0	486.9985	0.0
load	N_1200156783	constant_power_A	1465.44	481.667	732.72	240.8335
load	N_1200156783	constant_power_B	1465.44	481.667	732.72	240.8335
load	N_1200156783	constant_power_C	1465.44	481.667	732.72	240.8335
load	N_1200156783	constant_power_A_real	1465.44	0.0	732.72	0.0
load	N_1200156783	constant_power_B_real	1465.44	0.0	732.72	0.0
load	N_1200156783	constant_power_C_real	1465.44	0.0	732.72	0.0
load	N_1200156783	constant_power_A_reac	481.667	0.0	240.8335	0.0
load	N_1200156783	constant_power_B_reac	481.667	0.0	240.8335	0.0
load	N_1200156783	constant_power_C_reac	481.667	0.0	240.8335	0.0
load	N_1200156782	constant_power_A	3236.4	1063.75	1618.2	531.875
load	N_1200156782	constant_power_B	3236.4	1063.75	1618.2	531.875
load	N_1200156782	constant_power_A_real	3236.4	0.0	1618.2	0.0
load	N_1200156782	constant_power_B_real	3236.4	0.0	1618.2	0.0
load	N_1200156782	constant_power_A_reac	1063.75	0.0	531.875	0.0
load	N_1200156782	constant_power_B_reac	1063.75	0.0	531.875	0.0
load	N_1200156781	constant_power_A	438.01	143.967	219.005	71.9835
load	N_1200156781	constant_power_B	438.01	143.967	219.005	71.9835
load	N_1200156781	constant_power_A_real	438.01	0.0	219.005	0.0
load	N_1200156781	constant_power_B_real	438.01	0.0	219.005	0.0
load	N_1200156781	constant_power_A_reac	143.967	0.0	71.9835	0.0
load	N_1200156781	constant_power_B_reac	143.967	0.0	71.9835	0.0
load	N_1200099240	constant_power_A	2033.23	668.29	1016.615	334.145
load	N_1200099240	constant_power_B	2033.23	668.29	1016.615	334.145
load	N_1200099240	constant_power_C	2033.23	668.29	1016.615	334.145
load	N_1200099240	constant_power_A_real	2033.23	0.0	1016.615	0.0
load	N_1200099240	constant_power_B_real	2033.23	0.0	1016.615	0.0
load	N_1200099240	constant_power_C_real	2033.23	0.0	1016.615	0.0
load	N_1200099240	constant_power_A_reac	668.29	0.0	334.145	0.0
load	N_1200099240	constant_power_B_reac	668.29	0.0	334.145	0.0
load	N_1200099240	constant_power_C_reac	668.29	0.0	334.145	0.0
load	N_1200153447	constant_power_A	2730.8	897.571	1365.4	448.7855
load	N_1200153447	constant_power_B	2730.8	897.571	1365.4	448.7855
load	N_1200153447	constant_power_C	2730.8	897.571	1365.4	448.7855
load	N_1200153447	constant_power_A_real	2730.8	0.0	1365.4	0.0
load	N_1200153447	constant_power_B_real	2730.8	0.0	1365.4	0.0
load	N_1200153447	constant_power_C_real	2730.8	0.0	1365.4	0.0
load	N_1200153447	constant_power_A_reac	897.571	0.0	448.7855	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200153447	constant_power_B_reac	897.571	0.0	448.7855	0.0
load	N_1200153447	constant_power_C_reac	897.571	0.0	448.7855	0.0
load	N_1200153446	constant_power_A	1622.26	533.21	811.13	266.605
load	N_1200153446	constant_power_B	1622.26	533.21	811.13	266.605
load	N_1200153446	constant_power_C	1622.26	533.21	811.13	266.605
load	N_1200153446	constant_power_A_real	1622.26	0.0	811.13	0.0
load	N_1200153446	constant_power_B_real	1622.26	0.0	811.13	0.0
load	N_1200153446	constant_power_C_real	1622.26	0.0	811.13	0.0
load	N_1200153446	constant_power_A_reac	533.21	0.0	266.605	0.0
load	N_1200153446	constant_power_B_reac	533.21	0.0	266.605	0.0
load	N_1200153446	constant_power_C_reac	533.21	0.0	266.605	0.0
load	N_1200157324	constant_power_A	7705.72	4775.58	3852.86	2387.79
load	N_1200157324	constant_power_B	7705.72	4775.58	3852.86	2387.79
load	N_1200157324	constant_power_C	7705.72	4775.58	3852.86	2387.79
load	N_1200157324	constant_power_A_real	7705.72	0.0	3852.86	0.0
load	N_1200157324	constant_power_B_real	7705.72	0.0	3852.86	0.0
load	N_1200157324	constant_power_C_real	7705.72	0.0	3852.86	0.0
load	N_1200157324	constant_power_A_reac	4775.58	0.0	2387.79	0.0
load	N_1200157324	constant_power_B_reac	4775.58	0.0	2387.79	0.0
load	N_1200157324	constant_power_C_reac	4775.58	0.0	2387.79	0.0
load	N_1200157325	constant_power_A	3536.52	2191.74	1768.26	1095.87
load	N_1200157325	constant_power_B	3536.52	2191.74	1768.26	1095.87
load	N_1200157325	constant_power_C	3536.52	2191.74	1768.26	1095.87
load	N_1200157325	constant_power_A_real	3536.52	0.0	1768.26	0.0
load	N_1200157325	constant_power_B_real	3536.52	0.0	1768.26	0.0
load	N_1200157325	constant_power_C_real	3536.52	0.0	1768.26	0.0
load	N_1200157325	constant_power_A_reac	2191.74	0.0	1095.87	0.0
load	N_1200157325	constant_power_B_reac	2191.74	0.0	1095.87	0.0
load	N_1200157325	constant_power_C_reac	2191.74	0.0	1095.87	0.0
load	N_1200157245	constant_power_A	5937.46	1951.55	2968.73	975.775
load	N_1200157245	constant_power_B	5937.46	1951.55	2968.73	975.775
load	N_1200157245	constant_power_C	5937.46	1951.55	2968.73	975.775
load	N_1200157245	constant_power_A_real	5937.46	0.0	2968.73	0.0
load	N_1200157245	constant_power_B_real	5937.46	0.0	2968.73	0.0
load	N_1200157245	constant_power_C_real	5937.46	0.0	2968.73	0.0
load	N_1200157245	constant_power_A_reac	1951.55	0.0	975.775	0.0
load	N_1200157245	constant_power_B_reac	1951.55	0.0	975.775	0.0
load	N_1200157245	constant_power_C_reac	1951.55	0.0	975.775	0.0
load	N_1200157247	constant_power_A	2006.19	659.403	1003.095	329.7015
load	N_1200157247	constant_power_B	2006.19	659.403	1003.095	329.7015
load	N_1200157247	constant_power_C	2006.19	659.403	1003.095	329.7015
load	N_1200157247	constant_power_A_real	2006.19	0.0	1003.095	0.0
load	N_1200157247	constant_power_B_real	2006.19	0.0	1003.095	0.0
load	N_1200157247	constant_power_C_real	2006.19	0.0	1003.095	0.0
load	N_1200157247	constant_power_A_reac	659.403	0.0	329.7015	0.0
load	N_1200157247	constant_power_B_reac	659.403	0.0	329.7015	0.0
load	N_1200157247	constant_power_C_reac	659.403	0.0	329.7015	0.0
load	N_1200157246	constant_power_A	64.8903	40.2154	32.44515	20.1077
load	N_1200157246	constant_power_B	64.8903	40.2154	32.44515	20.1077
load	N_1200157246	constant_power_C	64.8903	40.2154	32.44515	20.1077
load	N_1200157246	constant_power_A_real	64.8903	0.0	32.44515	0.0
load	N_1200157246	constant_power_B_real	64.8903	0.0	32.44515	0.0
load	N_1200157246	constant_power_C_real	64.8903	0.0	32.44515	0.0
load	N_1200157246	constant_power_A_reac	40.2154	0.0	20.1077	0.0
load	N_1200157246	constant_power_B_reac	40.2154	0.0	20.1077	0.0
load	N_1200157246	constant_power_C_reac	40.2154	0.0	20.1077	0.0
load	N_1200058371	constant_power_C	38382.6	12615.8	19191.3	6307.9
load	N_1200058371	constant_power_C_real	38382.6	0.0	19191.3	0.0
load	N_1200058371	constant_power_C_reac	12615.8	0.0	6307.9	0.0
load	N_1200018847	constant_power_A	497.492	308.318	248.746	154.159
load	N_1200018847	constant_power_B	497.492	308.318	248.746	154.159
load	N_1200018847	constant_power_C	497.492	308.318	248.746	154.159
load	N_1200018847	constant_power_A_real	497.492	0.0	248.746	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200018847	constant_power_B_real	497.492	0.0	248.746	0.0
load	N_1200018847	constant_power_C_real	497.492	0.0	248.746	0.0
load	N_1200018847	constant_power_A_reac	308.318	0.0	154.159	0.0
load	N_1200018847	constant_power_B_reac	308.318	0.0	154.159	0.0
load	N_1200018847	constant_power_C_reac	308.318	0.0	154.159	0.0
load	N_1200065852	constant_power_A	7976.1	4943.14	3988.05	2471.57
load	N_1200065852	constant_power_B	7976.1	4943.14	3988.05	2471.57
load	N_1200065852	constant_power_C	7976.1	4943.14	3988.05	2471.57
load	N_1200065852	constant_power_A_real	7976.1	0.0	3988.05	0.0
load	N_1200065852	constant_power_B_real	7976.1	0.0	3988.05	0.0
load	N_1200065852	constant_power_C_real	7976.1	0.0	3988.05	0.0
load	N_1200065852	constant_power_A_reac	4943.14	0.0	2471.57	0.0
load	N_1200065852	constant_power_B_reac	4943.14	0.0	2471.57	0.0
load	N_1200065852	constant_power_C_reac	4943.14	0.0	2471.57	0.0
load	N_1200065855	constant_power_A	1124.77	697.067	562.385	348.5335
load	N_1200065855	constant_power_B	1124.77	697.067	562.385	348.5335
load	N_1200065855	constant_power_C	1124.77	697.067	562.385	348.5335
load	N_1200065855	constant_power_A_real	1124.77	0.0	562.385	0.0
load	N_1200065855	constant_power_B_real	1124.77	0.0	562.385	0.0
load	N_1200065855	constant_power_C_real	1124.77	0.0	562.385	0.0
load	N_1200065855	constant_power_A_reac	697.067	0.0	348.5335	0.0
load	N_1200065855	constant_power_B_reac	697.067	0.0	348.5335	0.0
load	N_1200065855	constant_power_C_reac	697.067	0.0	348.5335	0.0
load	N_1200099239	constant_power_A	1616.85	531.433	808.425	265.7165
load	N_1200099239	constant_power_B	1616.85	531.433	808.425	265.7165
load	N_1200099239	constant_power_C	1616.85	531.433	808.425	265.7165
load	N_1200099239	constant_power_A_real	1616.85	0.0	808.425	0.0
load	N_1200099239	constant_power_B_real	1616.85	0.0	808.425	0.0
load	N_1200099239	constant_power_C_real	1616.85	0.0	808.425	0.0
load	N_1200099239	constant_power_A_reac	531.433	0.0	265.7165	0.0
load	N_1200099239	constant_power_B_reac	531.433	0.0	265.7165	0.0
load	N_1200099239	constant_power_C_reac	531.433	0.0	265.7165	0.0
load	N_1200156539	constant_power_A	3844.75	1263.71	1922.375	631.855
load	N_1200156539	constant_power_B	3844.75	1263.71	1922.375	631.855
load	N_1200156539	constant_power_A_real	3844.75	0.0	1922.375	0.0
load	N_1200156539	constant_power_B_real	3844.75	0.0	1922.375	0.0
load	N_1200156539	constant_power_A_reac	1263.71	0.0	631.855	0.0
load	N_1200156539	constant_power_B_reac	1263.71	0.0	631.855	0.0
load	N_1200156536	constant_power_A	854.389	337.485	427.1945	168.7425
load	N_1200156536	constant_power_B	854.389	337.485	427.1945	168.7425
load	N_1200156536	constant_power_C	854.389	337.485	427.1945	168.7425
load	N_1200156536	constant_power_A_real	854.389	0.0	427.1945	0.0
load	N_1200156536	constant_power_B_real	854.389	0.0	427.1945	0.0
load	N_1200156536	constant_power_C_real	854.389	0.0	427.1945	0.0
load	N_1200156536	constant_power_A_reac	337.485	0.0	168.7425	0.0
load	N_1200156536	constant_power_B_reac	337.485	0.0	168.7425	0.0
load	N_1200156536	constant_power_C_reac	337.485	0.0	168.7425	0.0
load	N_1200099235	constant_power_A	2687.54	883.352	1343.77	441.676
load	N_1200099235	constant_power_B	2687.54	883.352	1343.77	441.676
load	N_1200099235	constant_power_C	2687.54	883.352	1343.77	441.676
load	N_1200099235	constant_power_A_real	2687.54	0.0	1343.77	0.0
load	N_1200099235	constant_power_B_real	2687.54	0.0	1343.77	0.0
load	N_1200099235	constant_power_C_real	2687.54	0.0	1343.77	0.0
load	N_1200099235	constant_power_A_reac	883.352	0.0	441.676	0.0
load	N_1200099235	constant_power_B_reac	883.352	0.0	441.676	0.0
load	N_1200099235	constant_power_C_reac	883.352	0.0	441.676	0.0
load	N_1200099234	constant_power_A	3769.05	1566.2	1884.525	783.1
load	N_1200099234	constant_power_B	3769.05	1566.2	1884.525	783.1
load	N_1200099234	constant_power_C	3769.05	1566.2	1884.525	783.1
load	N_1200099234	constant_power_A_real	3769.05	0.0	1884.525	0.0
load	N_1200099234	constant_power_B_real	3769.05	0.0	1884.525	0.0
load	N_1200099234	constant_power_C_real	3769.05	0.0	1884.525	0.0
load	N_1200099234	constant_power_A_reac	1566.2	0.0	783.1	0.0

Table 12: Validation data for loadfactor PG&E MC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200099234	constant_power_B_reac	1566.2	0.0	783.1	0.0
load	N_1200099234	constant_power_C_reac	1566.2	0.0	783.1	0.0
load	N_1200099237	constant_power_A	2860.58	1772.83	1430.29	886.415
load	N_1200099237	constant_power_B	2860.58	1772.83	1430.29	886.415
load	N_1200099237	constant_power_C	2860.58	1772.83	1430.29	886.415
load	N_1200099237	constant_power_A_real	2860.58	0.0	1430.29	0.0
load	N_1200099237	constant_power_B_real	2860.58	0.0	1430.29	0.0
load	N_1200099237	constant_power_C_real	2860.58	0.0	1430.29	0.0
load	N_1200099237	constant_power_A_reac	1772.83	0.0	886.415	0.0
load	N_1200099237	constant_power_B_reac	1772.83	0.0	886.415	0.0
load	N_1200099237	constant_power_C_reac	1772.83	0.0	886.415	0.0
load	N_1200099236	constant_power_A	6770.22	2676.98	3385.11	1338.49
load	N_1200099236	constant_power_B	6770.22	2676.98	3385.11	1338.49
load	N_1200099236	constant_power_C	6770.22	2676.98	3385.11	1338.49
load	N_1200099236	constant_power_A_real	6770.22	0.0	3385.11	0.0
load	N_1200099236	constant_power_B_real	6770.22	0.0	3385.11	0.0
load	N_1200099236	constant_power_C_real	6770.22	0.0	3385.11	0.0
load	N_1200099236	constant_power_A_reac	2676.98	0.0	1338.49	0.0
load	N_1200099236	constant_power_B_reac	2676.98	0.0	1338.49	0.0
load	N_1200099236	constant_power_C_reac	2676.98	0.0	1338.49	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200071901	constant_power_A	6404.48	3969.14	3202.24	1984.57
load	N_1200071901	constant_power_B	6404.48	3969.14	3202.24	1984.57
load	N_1200071901	constant_power_C	6404.48	3969.14	3202.24	1984.57
load	N_1200071901	constant_power_A_real	6404.48	0.0	3202.24	0.0
load	N_1200071901	constant_power_B_real	6404.48	0.0	3202.24	0.0
load	N_1200071901	constant_power_C_real	6404.48	0.0	3202.24	0.0
load	N_1200071901	constant_power_A_reac	3969.14	0.0	1984.57	0.0
load	N_1200071901	constant_power_B_reac	3969.14	0.0	1984.57	0.0
load	N_1200071901	constant_power_C_reac	3969.14	0.0	1984.57	0.0
load	N_1200071900	constant_power_A	1387.69	456.112	693.845	228.056
load	N_1200071900	constant_power_B	1387.69	456.112	693.845	228.056
load	N_1200071900	constant_power_C	1387.69	456.112	693.845	228.056
load	N_1200071900	constant_power_A_real	1387.69	0.0	693.845	0.0
load	N_1200071900	constant_power_B_real	1387.69	0.0	693.845	0.0
load	N_1200071900	constant_power_C_real	1387.69	0.0	693.845	0.0
load	N_1200071900	constant_power_A_reac	456.112	0.0	228.056	0.0
load	N_1200071900	constant_power_B_reac	456.112	0.0	228.056	0.0
load	N_1200071900	constant_power_C_reac	456.112	0.0	228.056	0.0
load	N_12000160276	constant_power_A	2004.8	888.815	1002.4	444.4075
load	N_12000160276	constant_power_B	2004.8	888.815	1002.4	444.4075
load	N_12000160276	constant_power_C	2004.8	888.815	1002.4	444.4075
load	N_12000160276	constant_power_A_real	2004.8	0.0	1002.4	0.0
load	N_12000160276	constant_power_B_real	2004.8	0.0	1002.4	0.0
load	N_12000160276	constant_power_C_real	2004.8	0.0	1002.4	0.0
load	N_12000160276	constant_power_A_reac	888.815	0.0	444.4075	0.0
load	N_12000160276	constant_power_B_reac	888.815	0.0	444.4075	0.0
load	N_12000160276	constant_power_C_reac	888.815	0.0	444.4075	0.0
load	N_12000175328	constant_power_A	16057.6	5277.87	8028.8	2638.935
load	N_12000175328	constant_power_B	16057.6	5277.87	8028.8	2638.935
load	N_12000175328	constant_power_C	16057.6	5277.87	8028.8	2638.935
load	N_12000175328	constant_power_A_real	16057.6	0.0	8028.8	0.0
load	N_12000175328	constant_power_B_real	16057.6	0.0	8028.8	0.0
load	N_12000175328	constant_power_C_real	16057.6	0.0	8028.8	0.0
load	N_12000175328	constant_power_A_reac	5277.87	0.0	2638.935	0.0
load	N_12000175328	constant_power_B_reac	5277.87	0.0	2638.935	0.0
load	N_12000175328	constant_power_C_reac	5277.87	0.0	2638.935	0.0
load	N_1200030909	constant_power_A	639.489	210.19	319.7445	105.095
load	N_1200030909	constant_power_B	639.489	210.19	319.7445	105.095

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200030909	constant_power_C	639.489	210.19	319.7445	105.095
load	N_1200030909	constant_power_A_real	639.489	0.0	319.7445	0.0
load	N_1200030909	constant_power_B_real	639.489	0.0	319.7445	0.0
load	N_1200030909	constant_power_C_real	639.489	0.0	319.7445	0.0
load	N_1200030909	constant_power_A_reac	210.19	0.0	105.095	0.0
load	N_1200030909	constant_power_B_reac	210.19	0.0	105.095	0.0
load	N_1200030909	constant_power_C_reac	210.19	0.0	105.095	0.0
load	N_1200086026	constant_power_A	6167.87	2027.28	3083.935	1013.64
load	N_1200086026	constant_power_B	6167.87	2027.28	3083.935	1013.64
load	N_1200086026	constant_power_C	6167.87	2027.28	3083.935	1013.64
load	N_1200086026	constant_power_A_real	6167.87	0.0	3083.935	0.0
load	N_1200086026	constant_power_B_real	6167.87	0.0	3083.935	0.0
load	N_1200086026	constant_power_C_real	6167.87	0.0	3083.935	0.0
load	N_1200086026	constant_power_A_reac	2027.28	0.0	1013.64	0.0
load	N_1200086026	constant_power_B_reac	2027.28	0.0	1013.64	0.0
load	N_1200086026	constant_power_C_reac	2027.28	0.0	1013.64	0.0
load	N_1200086027	constant_power_A	1685.05	553.85	842.525	276.925
load	N_1200086027	constant_power_B	1685.05	553.85	842.525	276.925
load	N_1200086027	constant_power_C	1685.05	553.85	842.525	276.925
load	N_1200086027	constant_power_A_real	1685.05	0.0	842.525	0.0
load	N_1200086027	constant_power_B_real	1685.05	0.0	842.525	0.0
load	N_1200086027	constant_power_C_real	1685.05	0.0	842.525	0.0
load	N_1200086027	constant_power_A_reac	553.85	0.0	276.925	0.0
load	N_1200086027	constant_power_B_reac	553.85	0.0	276.925	0.0
load	N_1200086027	constant_power_C_reac	553.85	0.0	276.925	0.0
load	N_1200086028	constant_power_A	8207.84	2697.79	4103.92	1348.895
load	N_1200086028	constant_power_B	8207.84	2697.79	4103.92	1348.895
load	N_1200086028	constant_power_C	8207.84	2697.79	4103.92	1348.895
load	N_1200086028	constant_power_A_real	8207.84	0.0	4103.92	0.0
load	N_1200086028	constant_power_B_real	8207.84	0.0	4103.92	0.0
load	N_1200086028	constant_power_C_real	8207.84	0.0	4103.92	0.0
load	N_1200086028	constant_power_A_reac	2697.79	0.0	1348.895	0.0
load	N_1200086028	constant_power_B_reac	2697.79	0.0	1348.895	0.0
load	N_1200086028	constant_power_C_reac	2697.79	0.0	1348.895	0.0
load	N_1200160204	constant_power_A	754.597	248.024	377.2985	124.012
load	N_1200160204	constant_power_B	754.597	248.024	377.2985	124.012
load	N_1200160204	constant_power_C	754.597	248.024	377.2985	124.012
load	N_1200160204	constant_power_A_real	754.597	0.0	377.2985	0.0
load	N_1200160204	constant_power_B_real	754.597	0.0	377.2985	0.0
load	N_1200160204	constant_power_C_real	754.597	0.0	377.2985	0.0
load	N_1200160204	constant_power_A_reac	248.024	0.0	124.012	0.0
load	N_1200160204	constant_power_B_reac	248.024	0.0	124.012	0.0
load	N_1200160204	constant_power_C_reac	248.024	0.0	124.012	0.0
load	N_1200160264	constant_power_A	303.757	99.8402	151.8785	49.9201
load	N_1200160264	constant_power_B	303.757	99.8402	151.8785	49.9201
load	N_1200160264	constant_power_C	303.757	99.8402	151.8785	49.9201
load	N_1200160264	constant_power_A_real	303.757	0.0	151.8785	0.0
load	N_1200160264	constant_power_B_real	303.757	0.0	151.8785	0.0
load	N_1200160264	constant_power_C_real	303.757	0.0	151.8785	0.0
load	N_1200160264	constant_power_A_reac	99.8402	0.0	49.9201	0.0
load	N_1200160264	constant_power_B_reac	99.8402	0.0	49.9201	0.0
load	N_1200160264	constant_power_C_reac	99.8402	0.0	49.9201	0.0
load	N_1200057348	constant_power_A	21443.7	7048.19	10721.85	3524.095
load	N_1200057348	constant_power_B	21443.7	7048.19	10721.85	3524.095
load	N_1200057348	constant_power_A_real	21443.7	0.0	10721.85	0.0
load	N_1200057348	constant_power_B_real	21443.7	0.0	10721.85	0.0
load	N_1200057348	constant_power_A_reac	7048.19	0.0	3524.095	0.0
load	N_1200057348	constant_power_B_reac	7048.19	0.0	3524.095	0.0
load	N_1200460860	constant_power_A	1432.45	887.756	716.225	443.878
load	N_1200460860	constant_power_B	1432.45	887.756	716.225	443.878
load	N_1200460860	constant_power_C	1432.45	887.756	716.225	443.878
load	N_1200460860	constant_power_A_real	1432.45	0.0	716.225	0.0
load	N_1200460860	constant_power_B_real	1432.45	0.0	716.225	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200460860	constant_power_C_real	1432.45	0.0	716.225	0.0
load	N_1200460860	constant_power_A_reac	887.756	0.0	443.878	0.0
load	N_1200460860	constant_power_B_reac	887.756	0.0	443.878	0.0
load	N_1200460860	constant_power_C_reac	887.756	0.0	443.878	0.0
load	N_1200111861	constant_power_A	22460.4	7382.39	11230.2	3691.195
load	N_1200111861	constant_power_B	22460.4	7382.39	11230.2	3691.195
load	N_1200111861	constant_power_A_real	22460.4	0.0	11230.2	0.0
load	N_1200111861	constant_power_B_real	22460.4	0.0	11230.2	0.0
load	N_1200111861	constant_power_A_reac	7382.39	0.0	3691.195	0.0
load	N_1200111861	constant_power_B_reac	7382.39	0.0	3691.195	0.0
load	N_1200111860	constant_power_A	15287.0	5024.59	7643.5	2512.295
load	N_1200111860	constant_power_B	15287.0	5024.59	7643.5	2512.295
load	N_1200111860	constant_power_C	15287.0	5024.59	7643.5	2512.295
load	N_1200111860	constant_power_A_real	15287.0	0.0	7643.5	0.0
load	N_1200111860	constant_power_B_real	15287.0	0.0	7643.5	0.0
load	N_1200111860	constant_power_C_real	15287.0	0.0	7643.5	0.0
load	N_1200111860	constant_power_A_reac	5024.59	0.0	2512.295	0.0
load	N_1200111860	constant_power_B_reac	5024.59	0.0	2512.295	0.0
load	N_1200111860	constant_power_C_reac	5024.59	0.0	2512.295	0.0
load	N_1200160251	constant_power_A	4015.99	2190.15	2007.995	1095.075
load	N_1200160251	constant_power_B	4015.99	2190.15	2007.995	1095.075
load	N_1200160251	constant_power_C	4015.99	2190.15	2007.995	1095.075
load	N_1200160251	constant_power_A_real	4015.99	0.0	2007.995	0.0
load	N_1200160251	constant_power_B_real	4015.99	0.0	2007.995	0.0
load	N_1200160251	constant_power_C_real	4015.99	0.0	2007.995	0.0
load	N_1200160251	constant_power_A_reac	2190.15	0.0	1095.075	0.0
load	N_1200160251	constant_power_B_reac	2190.15	0.0	1095.075	0.0
load	N_1200160251	constant_power_C_reac	2190.15	0.0	1095.075	0.0
load	N_1200160315	constant_power_A	265.388	164.473	132.694	82.2365
load	N_1200160315	constant_power_B	265.388	164.473	132.694	82.2365
load	N_1200160315	constant_power_C	265.388	164.473	132.694	82.2365
load	N_1200160315	constant_power_A_real	265.388	0.0	132.694	0.0
load	N_1200160315	constant_power_B_real	265.388	0.0	132.694	0.0
load	N_1200160315	constant_power_C_real	265.388	0.0	132.694	0.0
load	N_1200160315	constant_power_A_reac	164.473	0.0	82.2365	0.0
load	N_1200160315	constant_power_B_reac	164.473	0.0	82.2365	0.0
load	N_1200160315	constant_power_C_reac	164.473	0.0	82.2365	0.0
load	N_1200111324	constant_power_A	7811.36	2567.47	3905.68	1283.735
load	N_1200111324	constant_power_B	7811.36	2567.47	3905.68	1283.735
load	N_1200111324	constant_power_C	7811.36	2567.47	3905.68	1283.735
load	N_1200111324	constant_power_A_real	7811.36	0.0	3905.68	0.0
load	N_1200111324	constant_power_B_real	7811.36	0.0	3905.68	0.0
load	N_1200111324	constant_power_C_real	7811.36	0.0	3905.68	0.0
load	N_1200111324	constant_power_A_reac	2567.47	0.0	1283.735	0.0
load	N_1200111324	constant_power_B_reac	2567.47	0.0	1283.735	0.0
load	N_1200111324	constant_power_C_reac	2567.47	0.0	1283.735	0.0
load	N_1200130119	constant_power_A	3440.45	1130.82	1720.225	565.41
load	N_1200130119	constant_power_B	3440.45	1130.82	1720.225	565.41
load	N_1200130119	constant_power_C	3440.45	1130.82	1720.225	565.41
load	N_1200130119	constant_power_A_real	3440.45	0.0	1720.225	0.0
load	N_1200130119	constant_power_B_real	3440.45	0.0	1720.225	0.0
load	N_1200130119	constant_power_C_real	3440.45	0.0	1720.225	0.0
load	N_1200130119	constant_power_A_reac	1130.82	0.0	565.41	0.0
load	N_1200130119	constant_power_B_reac	1130.82	0.0	565.41	0.0
load	N_1200130119	constant_power_C_reac	1130.82	0.0	565.41	0.0
load	N_1200109736	constant_power_A	1470.82	483.437	735.41	241.7185
load	N_1200109736	constant_power_B	1470.82	483.437	735.41	241.7185
load	N_1200109736	constant_power_C	1470.82	483.437	735.41	241.7185
load	N_1200109736	constant_power_A_real	1470.82	0.0	735.41	0.0
load	N_1200109736	constant_power_B_real	1470.82	0.0	735.41	0.0
load	N_1200109736	constant_power_C_real	1470.82	0.0	735.41	0.0
load	N_1200109736	constant_power_A_reac	483.437	0.0	241.7185	0.0
load	N_1200109736	constant_power_B_reac	483.437	0.0	241.7185	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200109736	constant_power_C_reac	483.437	0.0	241.7185	0.0
load	N_1200166253	constant_power_A	4681.06	1538.59	2340.53	769.295
load	N_1200166253	constant_power_B	4681.06	1538.59	2340.53	769.295
load	N_1200166253	constant_power_C	4681.06	1538.59	2340.53	769.295
load	N_1200166253	constant_power_A_real	4681.06	0.0	2340.53	0.0
load	N_1200166253	constant_power_B_real	4681.06	0.0	2340.53	0.0
load	N_1200166253	constant_power_C_real	4681.06	0.0	2340.53	0.0
load	N_1200166253	constant_power_A_reac	1538.59	0.0	769.295	0.0
load	N_1200166253	constant_power_B_reac	1538.59	0.0	769.295	0.0
load	N_1200166253	constant_power_C_reac	1538.59	0.0	769.295	0.0
load	N_1200031922	constant_power_A	1985.61	850.868	992.805	425.434
load	N_1200031922	constant_power_B	1985.61	850.868	992.805	425.434
load	N_1200031922	constant_power_C	1985.61	850.868	992.805	425.434
load	N_1200031922	constant_power_A_real	1985.61	0.0	992.805	0.0
load	N_1200031922	constant_power_B_real	1985.61	0.0	992.805	0.0
load	N_1200031922	constant_power_C_real	1985.61	0.0	992.805	0.0
load	N_1200031922	constant_power_A_reac	850.868	0.0	425.434	0.0
load	N_1200031922	constant_power_B_reac	850.868	0.0	425.434	0.0
load	N_1200031922	constant_power_C_reac	850.868	0.0	425.434	0.0
load	N_1200088319	constant_power_A	2343.73	770.346	1171.865	385.173
load	N_1200088319	constant_power_B	2343.73	770.346	1171.865	385.173
load	N_1200088319	constant_power_C	2343.73	770.346	1171.865	385.173
load	N_1200088319	constant_power_A_real	2343.73	0.0	1171.865	0.0
load	N_1200088319	constant_power_B_real	2343.73	0.0	1171.865	0.0
load	N_1200088319	constant_power_C_real	2343.73	0.0	1171.865	0.0
load	N_1200088319	constant_power_A_reac	770.346	0.0	385.173	0.0
load	N_1200088319	constant_power_B_reac	770.346	0.0	385.173	0.0
load	N_1200088319	constant_power_C_reac	770.346	0.0	385.173	0.0
load	N_1200160163	constant_power_A	2797.76	1733.9	1398.88	866.95
load	N_1200160163	constant_power_B	2797.76	1733.9	1398.88	866.95
load	N_1200160163	constant_power_C	2797.76	1733.9	1398.88	866.95
load	N_1200160163	constant_power_A_real	2797.76	0.0	1398.88	0.0
load	N_1200160163	constant_power_B_real	2797.76	0.0	1398.88	0.0
load	N_1200160163	constant_power_C_real	2797.76	0.0	1398.88	0.0
load	N_1200160163	constant_power_A_reac	1733.9	0.0	866.95	0.0
load	N_1200160163	constant_power_B_reac	1733.9	0.0	866.95	0.0
load	N_1200160163	constant_power_C_reac	1733.9	0.0	866.95	0.0
load	N_1200160289	constant_power_A	12.7897	4.20376	6.39485	2.10188
load	N_1200160289	constant_power_B	12.7897	4.20376	6.39485	2.10188
load	N_1200160289	constant_power_C	12.7897	4.20376	6.39485	2.10188
load	N_1200160289	constant_power_A_real	12.7897	0.0	6.39485	0.0
load	N_1200160289	constant_power_B_real	12.7897	0.0	6.39485	0.0
load	N_1200160289	constant_power_C_real	12.7897	0.0	6.39485	0.0
load	N_1200160289	constant_power_A_reac	4.20376	0.0	2.10188	0.0
load	N_1200160289	constant_power_B_reac	4.20376	0.0	2.10188	0.0
load	N_1200160289	constant_power_C_reac	4.20376	0.0	2.10188	0.0
load	N_1200130387	constant_power_A	684.253	424.062	342.1265	212.031
load	N_1200130387	constant_power_B	684.253	424.062	342.1265	212.031
load	N_1200130387	constant_power_C	684.253	424.062	342.1265	212.031
load	N_1200130387	constant_power_A_real	684.253	0.0	342.1265	0.0
load	N_1200130387	constant_power_B_real	684.253	0.0	342.1265	0.0
load	N_1200130387	constant_power_C_real	684.253	0.0	342.1265	0.0
load	N_1200130387	constant_power_A_reac	424.062	0.0	212.031	0.0
load	N_1200130387	constant_power_B_reac	424.062	0.0	212.031	0.0
load	N_1200130387	constant_power_C_reac	424.062	0.0	212.031	0.0
load	N_1200166229	constant_power_A	2113.51	747.724	1056.755	373.862
load	N_1200166229	constant_power_B	2113.51	747.724	1056.755	373.862
load	N_1200166229	constant_power_C	2113.51	747.724	1056.755	373.862
load	N_1200166229	constant_power_A_real	2113.51	0.0	1056.755	0.0
load	N_1200166229	constant_power_B_real	2113.51	0.0	1056.755	0.0
load	N_1200166229	constant_power_C_real	2113.51	0.0	1056.755	0.0
load	N_1200166229	constant_power_A_reac	747.724	0.0	373.862	0.0
load	N_1200166229	constant_power_B_reac	747.724	0.0	373.862	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166229	constant_power_C_reac	747.724	0.0	373.862	0.0
load	N_1200166228	constant_power_A	1995.2	655.792	997.6	327.896
load	N_1200166228	constant_power_B	1995.2	655.792	997.6	327.896
load	N_1200166228	constant_power_C	1995.2	655.792	997.6	327.896
load	N_1200166228	constant_power_A_real	1995.2	0.0	997.6	0.0
load	N_1200166228	constant_power_B_real	1995.2	0.0	997.6	0.0
load	N_1200166228	constant_power_C_real	1995.2	0.0	997.6	0.0
load	N_1200166228	constant_power_A_reac	655.792	0.0	327.896	0.0
load	N_1200166228	constant_power_B_reac	655.792	0.0	327.896	0.0
load	N_1200166228	constant_power_C_reac	655.792	0.0	327.896	0.0
load	N_1200166227	constant_power_A	2123.1	702.483	1061.55	351.2415
load	N_1200166227	constant_power_B	2123.1	702.483	1061.55	351.2415
load	N_1200166227	constant_power_C	2123.1	702.483	1061.55	351.2415
load	N_1200166227	constant_power_A_real	2123.1	0.0	1061.55	0.0
load	N_1200166227	constant_power_B_real	2123.1	0.0	1061.55	0.0
load	N_1200166227	constant_power_C_real	2123.1	0.0	1061.55	0.0
load	N_1200166227	constant_power_A_reac	702.483	0.0	351.2415	0.0
load	N_1200166227	constant_power_B_reac	702.483	0.0	351.2415	0.0
load	N_1200166227	constant_power_C_reac	702.483	0.0	351.2415	0.0
load	N_1200166226	constant_power_A	1176.66	729.228	588.33	364.614
load	N_1200166226	constant_power_B	1176.66	729.228	588.33	364.614
load	N_1200166226	constant_power_C	1176.66	729.228	588.33	364.614
load	N_1200166226	constant_power_A_real	1176.66	0.0	588.33	0.0
load	N_1200166226	constant_power_B_real	1176.66	0.0	588.33	0.0
load	N_1200166226	constant_power_C_real	1176.66	0.0	588.33	0.0
load	N_1200166226	constant_power_A_reac	729.228	0.0	364.614	0.0
load	N_1200166226	constant_power_B_reac	729.228	0.0	364.614	0.0
load	N_1200166226	constant_power_C_reac	729.228	0.0	364.614	0.0
load	N_1200166225	constant_power_A	1579.54	519.169	789.77	259.5845
load	N_1200166225	constant_power_B	1579.54	519.169	789.77	259.5845
load	N_1200166225	constant_power_C	1579.54	519.169	789.77	259.5845
load	N_1200166225	constant_power_A_real	1579.54	0.0	789.77	0.0
load	N_1200166225	constant_power_B_real	1579.54	0.0	789.77	0.0
load	N_1200166225	constant_power_C_real	1579.54	0.0	789.77	0.0
load	N_1200166225	constant_power_A_reac	519.169	0.0	259.5845	0.0
load	N_1200166225	constant_power_B_reac	519.169	0.0	259.5845	0.0
load	N_1200166225	constant_power_C_reac	519.169	0.0	259.5845	0.0
load	N_1200166224	constant_power_A	14599.5	9047.98	7299.75	4523.99
load	N_1200166224	constant_power_B	14599.5	9047.98	7299.75	4523.99
load	N_1200166224	constant_power_C	14599.5	9047.98	7299.75	4523.99
load	N_1200166224	constant_power_A_real	14599.5	0.0	7299.75	0.0
load	N_1200166224	constant_power_B_real	14599.5	0.0	7299.75	0.0
load	N_1200166224	constant_power_C_real	14599.5	0.0	7299.75	0.0
load	N_1200166224	constant_power_A_reac	9047.98	0.0	4523.99	0.0
load	N_1200166224	constant_power_B_reac	9047.98	0.0	4523.99	0.0
load	N_1200166224	constant_power_C_reac	9047.98	0.0	4523.99	0.0
load	N_1200160287	constant_power_A	2909.67	956.364	1454.835	478.182
load	N_1200160287	constant_power_B	2909.67	956.364	1454.835	478.182
load	N_1200160287	constant_power_C	2909.67	956.364	1454.835	478.182
load	N_1200160287	constant_power_A_real	2909.67	0.0	1454.835	0.0
load	N_1200160287	constant_power_B_real	2909.67	0.0	1454.835	0.0
load	N_1200160287	constant_power_C_real	2909.67	0.0	1454.835	0.0
load	N_1200160287	constant_power_A_reac	956.364	0.0	478.182	0.0
load	N_1200160287	constant_power_B_reac	956.364	0.0	478.182	0.0
load	N_1200160287	constant_power_C_reac	956.364	0.0	478.182	0.0
load	N_1200160286	constant_power_A	2868.11	942.701	1434.055	471.3505
load	N_1200160286	constant_power_B	2868.11	942.701	1434.055	471.3505
load	N_1200160286	constant_power_A_real	2868.11	0.0	1434.055	0.0
load	N_1200160286	constant_power_B_real	2868.11	0.0	1434.055	0.0
load	N_1200160286	constant_power_A_reac	942.701	0.0	471.3505	0.0
load	N_1200160286	constant_power_B_reac	942.701	0.0	471.3505	0.0
load	N_1200160285	constant_power_A	3677.06	1208.59	1838.53	604.295
load	N_1200160285	constant_power_B	3677.06	1208.59	1838.53	604.295

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160285	constant_power_C	3677.06	1208.59	1838.53	604.295
load	N_1200160285	constant_power_A_real	3677.06	0.0	1838.53	0.0
load	N_1200160285	constant_power_B_real	3677.06	0.0	1838.53	0.0
load	N_1200160285	constant_power_C_real	3677.06	0.0	1838.53	0.0
load	N_1200160285	constant_power_A_reac	1208.59	0.0	604.295	0.0
load	N_1200160285	constant_power_B_reac	1208.59	0.0	604.295	0.0
load	N_1200160285	constant_power_C_reac	1208.59	0.0	604.295	0.0
load	N_1200160284	constant_power_A	1448.44	555.185	724.22	277.5925
load	N_1200160284	constant_power_B	1448.44	555.185	724.22	277.5925
load	N_1200160284	constant_power_C	1448.44	555.185	724.22	277.5925
load	N_1200160284	constant_power_A_real	1448.44	0.0	724.22	0.0
load	N_1200160284	constant_power_B_real	1448.44	0.0	724.22	0.0
load	N_1200160284	constant_power_C_real	1448.44	0.0	724.22	0.0
load	N_1200160284	constant_power_A_reac	555.185	0.0	277.5925	0.0
load	N_1200160284	constant_power_B_reac	555.185	0.0	277.5925	0.0
load	N_1200160284	constant_power_C_reac	555.185	0.0	277.5925	0.0
load	N_1200129881	constant_power_A	6781.78	3442.63	3390.89	1721.315
load	N_1200129881	constant_power_B	6781.78	3442.63	3390.89	1721.315
load	N_1200129881	constant_power_C	6781.78	3442.63	3390.89	1721.315
load	N_1200129881	constant_power_A_real	6781.78	0.0	3390.89	0.0
load	N_1200129881	constant_power_B_real	6781.78	0.0	3390.89	0.0
load	N_1200129881	constant_power_C_real	6781.78	0.0	3390.89	0.0
load	N_1200129881	constant_power_A_reac	3442.63	0.0	1721.315	0.0
load	N_1200129881	constant_power_B_reac	3442.63	0.0	1721.315	0.0
load	N_1200129881	constant_power_C_reac	3442.63	0.0	1721.315	0.0
load	N_1200130239	constant_power_A	4300.56	2665.25	2150.28	1332.625
load	N_1200130239	constant_power_B	4300.56	2665.25	2150.28	1332.625
load	N_1200130239	constant_power_C	4300.56	2665.25	2150.28	1332.625
load	N_1200130239	constant_power_A_real	4300.56	0.0	2150.28	0.0
load	N_1200130239	constant_power_B_real	4300.56	0.0	2150.28	0.0
load	N_1200130239	constant_power_C_real	4300.56	0.0	2150.28	0.0
load	N_1200130239	constant_power_A_reac	2665.25	0.0	1332.625	0.0
load	N_1200130239	constant_power_B_reac	2665.25	0.0	1332.625	0.0
load	N_1200130239	constant_power_C_reac	2665.25	0.0	1332.625	0.0
load	N_1200092400	constant_power_A	8000.0	4957.95	4000.0	2478.975
load	N_1200092400	constant_power_B	8000.0	4957.95	4000.0	2478.975
load	N_1200092400	constant_power_C	8000.0	4957.95	4000.0	2478.975
load	N_1200092400	constant_power_A_real	8000.0	0.0	4000.0	0.0
load	N_1200092400	constant_power_B_real	8000.0	0.0	4000.0	0.0
load	N_1200092400	constant_power_C_real	8000.0	0.0	4000.0	0.0
load	N_1200092400	constant_power_A_reac	4957.95	0.0	2478.975	0.0
load	N_1200092400	constant_power_B_reac	4957.95	0.0	2478.975	0.0
load	N_1200092400	constant_power_C_reac	4957.95	0.0	2478.975	0.0
load	N_1200160275	constant_power_A	559.553	183.916	279.7765	91.958
load	N_1200160275	constant_power_B	559.553	183.916	279.7765	91.958
load	N_1200160275	constant_power_C	559.553	183.916	279.7765	91.958
load	N_1200160275	constant_power_A_real	559.553	0.0	279.7765	0.0
load	N_1200160275	constant_power_B_real	559.553	0.0	279.7765	0.0
load	N_1200160275	constant_power_C_real	559.553	0.0	279.7765	0.0
load	N_1200160275	constant_power_A_reac	183.916	0.0	91.958	0.0
load	N_1200160275	constant_power_B_reac	183.916	0.0	91.958	0.0
load	N_1200160275	constant_power_C_reac	183.916	0.0	91.958	0.0
load	N_1200130233	constant_power_A	1841.73	605.347	920.865	302.6735
load	N_1200130233	constant_power_B	1841.73	605.347	920.865	302.6735
load	N_1200130233	constant_power_C	1841.73	605.347	920.865	302.6735
load	N_1200130233	constant_power_A_real	1841.73	0.0	920.865	0.0
load	N_1200130233	constant_power_B_real	1841.73	0.0	920.865	0.0
load	N_1200130233	constant_power_C_real	1841.73	0.0	920.865	0.0
load	N_1200130233	constant_power_A_reac	605.347	0.0	302.6735	0.0
load	N_1200130233	constant_power_B_reac	605.347	0.0	302.6735	0.0
load	N_1200130233	constant_power_C_reac	605.347	0.0	302.6735	0.0
load	N_1200130232	constant_power_A	486.011	159.744	243.0055	79.872
load	N_1200130232	constant_power_B	486.011	159.744	243.0055	79.872

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130232	constant_power_C	486.011	159.744	243.0055	79.872
load	N_1200130232	constant_power_A_real	486.011	0.0	243.0055	0.0
load	N_1200130232	constant_power_B_real	486.011	0.0	243.0055	0.0
load	N_1200130232	constant_power_C_real	486.011	0.0	243.0055	0.0
load	N_1200130232	constant_power_A_reac	159.744	0.0	79.872	0.0
load	N_1200130232	constant_power_B_reac	159.744	0.0	79.872	0.0
load	N_1200130232	constant_power_C_reac	159.744	0.0	79.872	0.0
load	N_1200130231	constant_power_A	4284.57	2109.98	2142.285	1054.99
load	N_1200130231	constant_power_B	4284.57	2109.98	2142.285	1054.99
load	N_1200130231	constant_power_C	4284.57	2109.98	2142.285	1054.99
load	N_1200130231	constant_power_A_real	4284.57	0.0	2142.285	0.0
load	N_1200130231	constant_power_B_real	4284.57	0.0	2142.285	0.0
load	N_1200130231	constant_power_C_real	4284.57	0.0	2142.285	0.0
load	N_1200130231	constant_power_A_reac	2109.98	0.0	1054.99	0.0
load	N_1200130231	constant_power_B_reac	2109.98	0.0	1054.99	0.0
load	N_1200130231	constant_power_C_reac	2109.98	0.0	1054.99	0.0
load	N_1200130230	constant_power_A	1477.22	485.538	738.61	242.769
load	N_1200130230	constant_power_B	1477.22	485.538	738.61	242.769
load	N_1200130230	constant_power_C	1477.22	485.538	738.61	242.769
load	N_1200130230	constant_power_A_real	1477.22	0.0	738.61	0.0
load	N_1200130230	constant_power_B_real	1477.22	0.0	738.61	0.0
load	N_1200130230	constant_power_C_real	1477.22	0.0	738.61	0.0
load	N_1200130230	constant_power_A_reac	485.538	0.0	242.769	0.0
load	N_1200130230	constant_power_B_reac	485.538	0.0	242.769	0.0
load	N_1200130230	constant_power_C_reac	485.538	0.0	242.769	0.0
load	N_1200130236	constant_power_A	2244.61	1391.08	1122.305	695.54
load	N_1200130236	constant_power_B	2244.61	1391.08	1122.305	695.54
load	N_1200130236	constant_power_C	2244.61	1391.08	1122.305	695.54
load	N_1200130236	constant_power_A_real	2244.61	0.0	1122.305	0.0
load	N_1200130236	constant_power_B_real	2244.61	0.0	1122.305	0.0
load	N_1200130236	constant_power_C_real	2244.61	0.0	1122.305	0.0
load	N_1200130236	constant_power_A_reac	1391.08	0.0	695.54	0.0
load	N_1200130236	constant_power_B_reac	1391.08	0.0	695.54	0.0
load	N_1200130236	constant_power_C_reac	1391.08	0.0	695.54	0.0
load	N_1200166626	constant_power_A	751.399	465.675	375.6995	232.8375
load	N_1200166626	constant_power_B	751.399	465.675	375.6995	232.8375
load	N_1200166626	constant_power_C	751.399	465.675	375.6995	232.8375
load	N_1200166626	constant_power_A_real	751.399	0.0	375.6995	0.0
load	N_1200166626	constant_power_B_real	751.399	0.0	375.6995	0.0
load	N_1200166626	constant_power_C_real	751.399	0.0	375.6995	0.0
load	N_1200166626	constant_power_A_reac	465.675	0.0	232.8375	0.0
load	N_1200166626	constant_power_B_reac	465.675	0.0	232.8375	0.0
load	N_1200166626	constant_power_C_reac	465.675	0.0	232.8375	0.0
load	N_1200031927	constant_power_A	5384.5	2634.37	2692.25	1317.185
load	N_1200031927	constant_power_B	5384.5	2634.37	2692.25	1317.185
load	N_1200031927	constant_power_C	5384.5	2634.37	2692.25	1317.185
load	N_1200031927	constant_power_A_real	5384.5	0.0	2692.25	0.0
load	N_1200031927	constant_power_B_real	5384.5	0.0	2692.25	0.0
load	N_1200031927	constant_power_C_real	5384.5	0.0	2692.25	0.0
load	N_1200031927	constant_power_A_reac	2634.37	0.0	1317.185	0.0
load	N_1200031927	constant_power_B_reac	2634.37	0.0	1317.185	0.0
load	N_1200031927	constant_power_C_reac	2634.37	0.0	1317.185	0.0
load	N_1200173141	constant_power_A	1704.24	560.156	852.12	280.078
load	N_1200173141	constant_power_B	1704.24	560.156	852.12	280.078
load	N_1200173141	constant_power_C	1704.24	560.156	852.12	280.078
load	N_1200173141	constant_power_A_real	1704.24	0.0	852.12	0.0
load	N_1200173141	constant_power_B_real	1704.24	0.0	852.12	0.0
load	N_1200173141	constant_power_C_real	1704.24	0.0	852.12	0.0
load	N_1200173141	constant_power_A_reac	560.156	0.0	280.078	0.0
load	N_1200173141	constant_power_B_reac	560.156	0.0	280.078	0.0
load	N_1200173141	constant_power_C_reac	560.156	0.0	280.078	0.0
load	N_1200109868	constant_power_A	3043.97	1000.5	1521.985	500.25
load	N_1200109868	constant_power_B	3043.97	1000.5	1521.985	500.25

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200109868	constant_power_C	3043.97	1000.5	1521.985	500.25
load	N_1200109868	constant_power_A_real	3043.97	0.0	1521.985	0.0
load	N_1200109868	constant_power_B_real	3043.97	0.0	1521.985	0.0
load	N_1200109868	constant_power_C_real	3043.97	0.0	1521.985	0.0
load	N_1200109868	constant_power_A_reac	1000.5	0.0	500.25	0.0
load	N_1200109868	constant_power_B_reac	1000.5	0.0	500.25	0.0
load	N_1200109868	constant_power_C_reac	1000.5	0.0	500.25	0.0
load	N_1200109862	constant_power_A	3197.44	1981.6	1598.72	990.8
load	N_1200109862	constant_power_B	3197.44	1981.6	1598.72	990.8
load	N_1200109862	constant_power_C	3197.44	1981.6	1598.72	990.8
load	N_1200109862	constant_power_A_real	3197.44	0.0	1598.72	0.0
load	N_1200109862	constant_power_B_real	3197.44	0.0	1598.72	0.0
load	N_1200109862	constant_power_C_real	3197.44	0.0	1598.72	0.0
load	N_1200109862	constant_power_A_reac	1981.6	0.0	990.8	0.0
load	N_1200109862	constant_power_B_reac	1981.6	0.0	990.8	0.0
load	N_1200109862	constant_power_C_reac	1981.6	0.0	990.8	0.0
load	N_1200109863	constant_power_A	521.183	171.305	260.5915	85.6525
load	N_1200109863	constant_power_B	521.183	171.305	260.5915	85.6525
load	N_1200109863	constant_power_C	521.183	171.305	260.5915	85.6525
load	N_1200109863	constant_power_A_real	521.183	0.0	260.5915	0.0
load	N_1200109863	constant_power_B_real	521.183	0.0	260.5915	0.0
load	N_1200109863	constant_power_C_real	521.183	0.0	260.5915	0.0
load	N_1200109863	constant_power_A_reac	171.305	0.0	85.6525	0.0
load	N_1200109863	constant_power_B_reac	171.305	0.0	85.6525	0.0
load	N_1200109863	constant_power_C_reac	171.305	0.0	85.6525	0.0
load	N_1200159379	constant_power_A	876.1	287.96	438.05	143.98
load	N_1200159379	constant_power_B	876.1	287.96	438.05	143.98
load	N_1200159379	constant_power_C	876.1	287.96	438.05	143.98
load	N_1200159379	constant_power_A_real	876.1	0.0	438.05	0.0
load	N_1200159379	constant_power_B_real	876.1	0.0	438.05	0.0
load	N_1200159379	constant_power_C_real	876.1	0.0	438.05	0.0
load	N_1200159379	constant_power_A_reac	287.96	0.0	143.98	0.0
load	N_1200159379	constant_power_B_reac	287.96	0.0	143.98	0.0
load	N_1200159379	constant_power_C_reac	287.96	0.0	143.98	0.0
load	N_1200109861	constant_power_A	4009.59	1317.89	2004.795	658.945
load	N_1200109861	constant_power_B	4009.59	1317.89	2004.795	658.945
load	N_1200109861	constant_power_A_real	4009.59	0.0	2004.795	0.0
load	N_1200109861	constant_power_B_real	4009.59	0.0	2004.795	0.0
load	N_1200109861	constant_power_A_reac	1317.89	0.0	658.945	0.0
load	N_1200109861	constant_power_B_reac	1317.89	0.0	658.945	0.0
load	N_1200104864	constant_power_A	821.743	270.094	410.8715	135.047
load	N_1200104864	constant_power_B	821.743	270.094	410.8715	135.047
load	N_1200104864	constant_power_C	821.743	270.094	410.8715	135.047
load	N_1200104864	constant_power_A_real	821.743	0.0	410.8715	0.0
load	N_1200104864	constant_power_B_real	821.743	0.0	410.8715	0.0
load	N_1200104864	constant_power_C_real	821.743	0.0	410.8715	0.0
load	N_1200104864	constant_power_A_reac	270.094	0.0	135.047	0.0
load	N_1200104864	constant_power_B_reac	270.094	0.0	135.047	0.0
load	N_1200104864	constant_power_C_reac	270.094	0.0	135.047	0.0
load	N_1200130198	constant_power_A	5231.02	2949.67	2615.51	1474.835
load	N_1200130198	constant_power_B	5231.02	2949.67	2615.51	1474.835
load	N_1200130198	constant_power_C	5231.02	2949.67	2615.51	1474.835
load	N_1200130198	constant_power_A_real	5231.02	0.0	2615.51	0.0
load	N_1200130198	constant_power_B_real	5231.02	0.0	2615.51	0.0
load	N_1200130198	constant_power_C_real	5231.02	0.0	2615.51	0.0
load	N_1200130198	constant_power_A_reac	2949.67	0.0	1474.835	0.0
load	N_1200130198	constant_power_B_reac	2949.67	0.0	1474.835	0.0
load	N_1200130198	constant_power_C_reac	2949.67	0.0	1474.835	0.0
load	N_1200130199	constant_power_A	1029.58	338.406	514.79	169.203
load	N_1200130199	constant_power_B	1029.58	338.406	514.79	169.203
load	N_1200130199	constant_power_C	1029.58	338.406	514.79	169.203
load	N_1200130199	constant_power_A_real	1029.58	0.0	514.79	0.0
load	N_1200130199	constant_power_B_real	1029.58	0.0	514.79	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130199	constant_power_C_real	1029.58	0.0	514.79	0.0
load	N_1200130199	constant_power_A_reac	338.406	0.0	169.203	0.0
load	N_1200130199	constant_power_B_reac	338.406	0.0	169.203	0.0
load	N_1200130199	constant_power_C_reac	338.406	0.0	169.203	0.0
load	N_1200109732	constant_power_A	2014.39	662.098	1007.195	331.049
load	N_1200109732	constant_power_B	2014.39	662.098	1007.195	331.049
load	N_1200109732	constant_power_C	2014.39	662.098	1007.195	331.049
load	N_1200109732	constant_power_A_real	2014.39	0.0	1007.195	0.0
load	N_1200109732	constant_power_B_real	2014.39	0.0	1007.195	0.0
load	N_1200109732	constant_power_C_real	2014.39	0.0	1007.195	0.0
load	N_1200109732	constant_power_A_reac	662.098	0.0	331.049	0.0
load	N_1200109732	constant_power_B_reac	662.098	0.0	331.049	0.0
load	N_1200109732	constant_power_C_reac	662.098	0.0	331.049	0.0
load	N_1200109733	constant_power_A	1771.38	745.089	885.69	372.5445
load	N_1200109733	constant_power_B	1771.38	745.089	885.69	372.5445
load	N_1200109733	constant_power_C	1771.38	745.089	885.69	372.5445
load	N_1200109733	constant_power_A_real	1771.38	0.0	885.69	0.0
load	N_1200109733	constant_power_B_real	1771.38	0.0	885.69	0.0
load	N_1200109733	constant_power_C_real	1771.38	0.0	885.69	0.0
load	N_1200109733	constant_power_A_reac	745.089	0.0	372.5445	0.0
load	N_1200109733	constant_power_B_reac	745.089	0.0	372.5445	0.0
load	N_1200109733	constant_power_C_reac	745.089	0.0	372.5445	0.0
load	N_1200129559	constant_power_A	310.152	101.942	155.076	50.971
load	N_1200129559	constant_power_B	310.152	101.942	155.076	50.971
load	N_1200129559	constant_power_C	310.152	101.942	155.076	50.971
load	N_1200129559	constant_power_A_real	310.152	0.0	155.076	0.0
load	N_1200129559	constant_power_B_real	310.152	0.0	155.076	0.0
load	N_1200129559	constant_power_C_real	310.152	0.0	155.076	0.0
load	N_1200129559	constant_power_A_reac	101.942	0.0	50.971	0.0
load	N_1200129559	constant_power_B_reac	101.942	0.0	50.971	0.0
load	N_1200129559	constant_power_C_reac	101.942	0.0	50.971	0.0
load	N_1200104862	constant_power_A	562.75	184.967	281.375	92.4835
load	N_1200104862	constant_power_B	562.75	184.967	281.375	92.4835
load	N_1200104862	constant_power_C	562.75	184.967	281.375	92.4835
load	N_1200104862	constant_power_A_real	562.75	0.0	281.375	0.0
load	N_1200104862	constant_power_B_real	562.75	0.0	281.375	0.0
load	N_1200104862	constant_power_C_real	562.75	0.0	281.375	0.0
load	N_1200104862	constant_power_A_reac	184.967	0.0	92.4835	0.0
load	N_1200104862	constant_power_B_reac	184.967	0.0	92.4835	0.0
load	N_1200104862	constant_power_C_reac	184.967	0.0	92.4835	0.0
load	N_1200130192	constant_power_A	808.953	326.382	404.4765	163.191
load	N_1200130192	constant_power_B	808.953	326.382	404.4765	163.191
load	N_1200130192	constant_power_C	808.953	326.382	404.4765	163.191
load	N_1200130192	constant_power_A_real	808.953	0.0	404.4765	0.0
load	N_1200130192	constant_power_B_real	808.953	0.0	404.4765	0.0
load	N_1200130192	constant_power_C_real	808.953	0.0	404.4765	0.0
load	N_1200130192	constant_power_A_reac	326.382	0.0	163.191	0.0
load	N_1200130192	constant_power_B_reac	326.382	0.0	163.191	0.0
load	N_1200130192	constant_power_C_reac	326.382	0.0	163.191	0.0
load	N_1200130193	constant_power_A	2097.52	716.411	1048.76	358.2055
load	N_1200130193	constant_power_B	2097.52	716.411	1048.76	358.2055
load	N_1200130193	constant_power_C	2097.52	716.411	1048.76	358.2055
load	N_1200130193	constant_power_A_real	2097.52	0.0	1048.76	0.0
load	N_1200130193	constant_power_B_real	2097.52	0.0	1048.76	0.0
load	N_1200130193	constant_power_C_real	2097.52	0.0	1048.76	0.0
load	N_1200130193	constant_power_A_reac	716.411	0.0	358.2055	0.0
load	N_1200130193	constant_power_B_reac	716.411	0.0	358.2055	0.0
load	N_1200130193	constant_power_C_reac	716.411	0.0	358.2055	0.0
load	N_1200467589	constant_power_A	84333.3	52265.1	42166.65	26132.55
load	N_1200467589	constant_power_B	84333.3	52265.1	42166.65	26132.55
load	N_1200467589	constant_power_C	84333.3	52265.1	42166.65	26132.55
load	N_1200467589	constant_power_A_real	84333.3	0.0	42166.65	0.0
load	N_1200467589	constant_power_B_real	84333.3	0.0	42166.65	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200467589	constant_power_C_real	84333.3	0.0	42166.65	0.0
load	N_1200467589	constant_power_A_reac	52265.1	0.0	26132.55	0.0
load	N_1200467589	constant_power_B_reac	52265.1	0.0	26132.55	0.0
load	N_1200467589	constant_power_C_reac	52265.1	0.0	26132.55	0.0
load	N_1200130196	constant_power_A	44.7643	27.7424	22.38215	13.8712
load	N_1200130196	constant_power_B	44.7643	27.7424	22.38215	13.8712
load	N_1200130196	constant_power_C	44.7643	27.7424	22.38215	13.8712
load	N_1200130196	constant_power_A_real	44.7643	0.0	22.38215	0.0
load	N_1200130196	constant_power_B_real	44.7643	0.0	22.38215	0.0
load	N_1200130196	constant_power_C_real	44.7643	0.0	22.38215	0.0
load	N_1200130196	constant_power_A_reac	27.7424	0.0	13.8712	0.0
load	N_1200130196	constant_power_B_reac	27.7424	0.0	13.8712	0.0
load	N_1200130196	constant_power_C_reac	27.7424	0.0	13.8712	0.0
load	N_1200130187	constant_power_A	1227.82	403.564	613.91	201.782
load	N_1200130187	constant_power_B	1227.82	403.564	613.91	201.782
load	N_1200130187	constant_power_A_real	1227.82	0.0	613.91	0.0
load	N_1200130187	constant_power_B_real	1227.82	0.0	613.91	0.0
load	N_1200130187	constant_power_A_reac	403.564	0.0	201.782	0.0
load	N_1200130187	constant_power_B_reac	403.564	0.0	201.782	0.0
load	N_1200109738	constant_power_A	3232.62	2003.4	1616.31	1001.7
load	N_1200109738	constant_power_B	3232.62	2003.4	1616.31	1001.7
load	N_1200109738	constant_power_C	3232.62	2003.4	1616.31	1001.7
load	N_1200109738	constant_power_A_real	3232.62	0.0	1616.31	0.0
load	N_1200109738	constant_power_B_real	3232.62	0.0	1616.31	0.0
load	N_1200109738	constant_power_C_real	3232.62	0.0	1616.31	0.0
load	N_1200109738	constant_power_A_reac	2003.4	0.0	1001.7	0.0
load	N_1200109738	constant_power_B_reac	2003.4	0.0	1001.7	0.0
load	N_1200109738	constant_power_C_reac	2003.4	0.0	1001.7	0.0
load	N_1200130195	constant_power_A	3744.21	1230.66	1872.105	615.33
load	N_1200130195	constant_power_B	3744.21	1230.66	1872.105	615.33
load	N_1200130195	constant_power_C	3744.21	1230.66	1872.105	615.33
load	N_1200130195	constant_power_A_real	3744.21	0.0	1872.105	0.0
load	N_1200130195	constant_power_B_real	3744.21	0.0	1872.105	0.0
load	N_1200130195	constant_power_C_real	3744.21	0.0	1872.105	0.0
load	N_1200130195	constant_power_A_reac	1230.66	0.0	615.33	0.0
load	N_1200130195	constant_power_B_reac	1230.66	0.0	615.33	0.0
load	N_1200130195	constant_power_C_reac	1230.66	0.0	615.33	0.0
load	N_1200030342	constant_power_A	888.889	292.164	444.4445	146.082
load	N_1200030342	constant_power_B	888.889	292.164	444.4445	146.082
load	N_1200030342	constant_power_C	888.889	292.164	444.4445	146.082
load	N_1200030342	constant_power_A_real	888.889	0.0	444.4445	0.0
load	N_1200030342	constant_power_B_real	888.889	0.0	444.4445	0.0
load	N_1200030342	constant_power_C_real	888.889	0.0	444.4445	0.0
load	N_1200030342	constant_power_A_reac	292.164	0.0	146.082	0.0
load	N_1200030342	constant_power_B_reac	292.164	0.0	146.082	0.0
load	N_1200030342	constant_power_C_reac	292.164	0.0	146.082	0.0
load	N_1200167264	constant_power_A	2596.32	983.661	1298.16	491.8305
load	N_1200167264	constant_power_B	2596.32	983.661	1298.16	491.8305
load	N_1200167264	constant_power_C	2596.32	983.661	1298.16	491.8305
load	N_1200167264	constant_power_A_real	2596.32	0.0	1298.16	0.0
load	N_1200167264	constant_power_B_real	2596.32	0.0	1298.16	0.0
load	N_1200167264	constant_power_C_real	2596.32	0.0	1298.16	0.0
load	N_1200167264	constant_power_A_reac	983.661	0.0	491.8305	0.0
load	N_1200167264	constant_power_B_reac	983.661	0.0	491.8305	0.0
load	N_1200167264	constant_power_C_reac	983.661	0.0	491.8305	0.0
load	N_1200130181	constant_power_A	802.558	263.788	401.279	131.894
load	N_1200130181	constant_power_B	802.558	263.788	401.279	131.894
load	N_1200130181	constant_power_C	802.558	263.788	401.279	131.894
load	N_1200130181	constant_power_A_real	802.558	0.0	401.279	0.0
load	N_1200130181	constant_power_B_real	802.558	0.0	401.279	0.0
load	N_1200130181	constant_power_C_real	802.558	0.0	401.279	0.0
load	N_1200130181	constant_power_A_reac	263.788	0.0	131.894	0.0
load	N_1200130181	constant_power_B_reac	263.788	0.0	131.894	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130181	constant_power_C_reac	263.788	0.0	131.894	0.0
load	N_1200160229	constant_power_A	2375.7	802.26	1187.85	401.13
load	N_1200160229	constant_power_B	2375.7	802.26	1187.85	401.13
load	N_1200160229	constant_power_C	2375.7	802.26	1187.85	401.13
load	N_1200160229	constant_power_A_real	2375.7	0.0	1187.85	0.0
load	N_1200160229	constant_power_B_real	2375.7	0.0	1187.85	0.0
load	N_1200160229	constant_power_C_real	2375.7	0.0	1187.85	0.0
load	N_1200160229	constant_power_A_reac	802.26	0.0	401.13	0.0
load	N_1200160229	constant_power_B_reac	802.26	0.0	401.13	0.0
load	N_1200160229	constant_power_C_reac	802.26	0.0	401.13	0.0
load	N_1200016803	constant_power_A	802.558	319.627	401.279	159.8135
load	N_1200016803	constant_power_B	802.558	319.627	401.279	159.8135
load	N_1200016803	constant_power_C	802.558	319.627	401.279	159.8135
load	N_1200016803	constant_power_A_real	802.558	0.0	401.279	0.0
load	N_1200016803	constant_power_B_real	802.558	0.0	401.279	0.0
load	N_1200016803	constant_power_C_real	802.558	0.0	401.279	0.0
load	N_1200016803	constant_power_A_reac	319.627	0.0	159.8135	0.0
load	N_1200016803	constant_power_B_reac	319.627	0.0	159.8135	0.0
load	N_1200016803	constant_power_C_reac	319.627	0.0	159.8135	0.0
load	N_1200159294	constant_power_A	2604.32	855.998	1302.16	427.999
load	N_1200159294	constant_power_B	2604.32	855.998	1302.16	427.999
load	N_1200159294	constant_power_A_real	2604.32	0.0	1302.16	0.0
load	N_1200159294	constant_power_B_real	2604.32	0.0	1302.16	0.0
load	N_1200159294	constant_power_A_reac	855.998	0.0	427.999	0.0
load	N_1200159294	constant_power_B_reac	855.998	0.0	427.999	0.0
load	N_1200105123	constant_power_A	4124.7	2556.26	2062.35	1278.13
load	N_1200105123	constant_power_B	4124.7	2556.26	2062.35	1278.13
load	N_1200105123	constant_power_C	4124.7	2556.26	2062.35	1278.13
load	N_1200105123	constant_power_A_real	4124.7	0.0	2062.35	0.0
load	N_1200105123	constant_power_B_real	4124.7	0.0	2062.35	0.0
load	N_1200105123	constant_power_C_real	4124.7	0.0	2062.35	0.0
load	N_1200105123	constant_power_A_reac	2556.26	0.0	1278.13	0.0
load	N_1200105123	constant_power_B_reac	2556.26	0.0	1278.13	0.0
load	N_1200105123	constant_power_C_reac	2556.26	0.0	1278.13	0.0
load	N_1200159296	constant_power_A	3362.11	1105.07	1681.055	552.535
load	N_1200159296	constant_power_B	3362.11	1105.07	1681.055	552.535
load	N_1200159296	constant_power_A_real	3362.11	0.0	1681.055	0.0
load	N_1200159296	constant_power_B_real	3362.11	0.0	1681.055	0.0
load	N_1200159296	constant_power_A_reac	1105.07	0.0	552.535	0.0
load	N_1200159296	constant_power_B_reac	1105.07	0.0	552.535	0.0
load	N_1200159290	constant_power_A	89.5283	55.4847	44.76415	27.74235
load	N_1200159290	constant_power_B	89.5283	55.4847	44.76415	27.74235
load	N_1200159290	constant_power_C	89.5283	55.4847	44.76415	27.74235
load	N_1200159290	constant_power_A_real	89.5283	0.0	44.76415	0.0
load	N_1200159290	constant_power_B_real	89.5283	0.0	44.76415	0.0
load	N_1200159290	constant_power_C_real	89.5283	0.0	44.76415	0.0
load	N_1200159290	constant_power_A_reac	55.4847	0.0	27.74235	0.0
load	N_1200159290	constant_power_B_reac	55.4847	0.0	27.74235	0.0
load	N_1200159290	constant_power_C_reac	55.4847	0.0	27.74235	0.0
load	N_1200109727	constant_power_A	255.796	84.076	127.898	42.038
load	N_1200109727	constant_power_B	255.796	84.076	127.898	42.038
load	N_1200109727	constant_power_C	255.796	84.076	127.898	42.038
load	N_1200109727	constant_power_A_real	255.796	0.0	127.898	0.0
load	N_1200109727	constant_power_B_real	255.796	0.0	127.898	0.0
load	N_1200109727	constant_power_C_real	255.796	0.0	127.898	0.0
load	N_1200109727	constant_power_A_reac	84.076	0.0	42.038	0.0
load	N_1200109727	constant_power_B_reac	84.076	0.0	42.038	0.0
load	N_1200109727	constant_power_C_reac	84.076	0.0	42.038	0.0
load	N_1200159292	constant_power_A	153.477	95.1167	76.7385	47.55835
load	N_1200159292	constant_power_B	153.477	95.1167	76.7385	47.55835
load	N_1200159292	constant_power_C	153.477	95.1167	76.7385	47.55835
load	N_1200159292	constant_power_A_real	153.477	0.0	76.7385	0.0
load	N_1200159292	constant_power_B_real	153.477	0.0	76.7385	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159292	constant_power_C_real	153.477	0.0	76.7385	0.0
load	N_1200159292	constant_power_A_reac	95.1167	0.0	47.55835	0.0
load	N_1200159292	constant_power_B_reac	95.1167	0.0	47.55835	0.0
load	N_1200159292	constant_power_C_reac	95.1167	0.0	47.55835	0.0
load	N_1200130041	constant_power_A	2123.1	704.345	1061.55	352.1725
load	N_1200130041	constant_power_B	2123.1	704.345	1061.55	352.1725
load	N_1200130041	constant_power_C	2123.1	704.345	1061.55	352.1725
load	N_1200130041	constant_power_A_real	2123.1	0.0	1061.55	0.0
load	N_1200130041	constant_power_B_real	2123.1	0.0	1061.55	0.0
load	N_1200130041	constant_power_C_real	2123.1	0.0	1061.55	0.0
load	N_1200130041	constant_power_A_reac	704.345	0.0	352.1725	0.0
load	N_1200130041	constant_power_B_reac	704.345	0.0	352.1725	0.0
load	N_1200130041	constant_power_C_reac	704.345	0.0	352.1725	0.0
load	N_1200166574	constant_power_A	2362.91	776.651	1181.455	388.3255
load	N_1200166574	constant_power_B	2362.91	776.651	1181.455	388.3255
load	N_1200166574	constant_power_C	2362.91	776.651	1181.455	388.3255
load	N_1200166574	constant_power_A_real	2362.91	0.0	1181.455	0.0
load	N_1200166574	constant_power_B_real	2362.91	0.0	1181.455	0.0
load	N_1200166574	constant_power_C_real	2362.91	0.0	1181.455	0.0
load	N_1200166574	constant_power_A_reac	776.651	0.0	388.3255	0.0
load	N_1200166574	constant_power_B_reac	776.651	0.0	388.3255	0.0
load	N_1200166574	constant_power_C_reac	776.651	0.0	388.3255	0.0
load	N_1200159298	constant_power_A	1055.16	424.057	527.58	212.0285
load	N_1200159298	constant_power_B	1055.16	424.057	527.58	212.0285
load	N_1200159298	constant_power_C	1055.16	424.057	527.58	212.0285
load	N_1200159298	constant_power_A_real	1055.16	0.0	527.58	0.0
load	N_1200159298	constant_power_B_real	1055.16	0.0	527.58	0.0
load	N_1200159298	constant_power_C_real	1055.16	0.0	527.58	0.0
load	N_1200159298	constant_power_A_reac	424.057	0.0	212.0285	0.0
load	N_1200159298	constant_power_B_reac	424.057	0.0	212.0285	0.0
load	N_1200159298	constant_power_C_reac	424.057	0.0	212.0285	0.0
load	N_1200160230	constant_power_A	1135.09	373.087	567.545	186.5435
load	N_1200160230	constant_power_B	1135.09	373.087	567.545	186.5435
load	N_1200160230	constant_power_C	1135.09	373.087	567.545	186.5435
load	N_1200160230	constant_power_A_real	1135.09	0.0	567.545	0.0
load	N_1200160230	constant_power_B_real	1135.09	0.0	567.545	0.0
load	N_1200160230	constant_power_C_real	1135.09	0.0	567.545	0.0
load	N_1200160230	constant_power_A_reac	373.087	0.0	186.5435	0.0
load	N_1200160230	constant_power_B_reac	373.087	0.0	186.5435	0.0
load	N_1200160230	constant_power_C_reac	373.087	0.0	186.5435	0.0
load	N_1200130401	constant_power_A	1077.54	381.159	538.77	190.5795
load	N_1200130401	constant_power_B	1077.54	381.159	538.77	190.5795
load	N_1200130401	constant_power_C	1077.54	381.159	538.77	190.5795
load	N_1200130401	constant_power_A_real	1077.54	0.0	538.77	0.0
load	N_1200130401	constant_power_B_real	1077.54	0.0	538.77	0.0
load	N_1200130401	constant_power_C_real	1077.54	0.0	538.77	0.0
load	N_1200130401	constant_power_A_reac	381.159	0.0	190.5795	0.0
load	N_1200130401	constant_power_B_reac	381.159	0.0	190.5795	0.0
load	N_1200130401	constant_power_C_reac	381.159	0.0	190.5795	0.0
load	N_1200159513	constant_power_A	4182.26	1374.64	2091.13	687.32
load	N_1200159513	constant_power_B	4182.26	1374.64	2091.13	687.32
load	N_1200159513	constant_power_C	4182.26	1374.64	2091.13	687.32
load	N_1200159513	constant_power_A_real	4182.26	0.0	2091.13	0.0
load	N_1200159513	constant_power_B_real	4182.26	0.0	2091.13	0.0
load	N_1200159513	constant_power_C_real	4182.26	0.0	2091.13	0.0
load	N_1200159513	constant_power_A_reac	1374.64	0.0	687.32	0.0
load	N_1200159513	constant_power_B_reac	1374.64	0.0	687.32	0.0
load	N_1200159513	constant_power_C_reac	1374.64	0.0	687.32	0.0
load	N_1200159512	constant_power_A	2721.02	894.358	1360.51	447.179
load	N_1200159512	constant_power_B	2721.02	894.358	1360.51	447.179
load	N_1200159512	constant_power_C	2721.02	894.358	1360.51	447.179
load	N_1200159512	constant_power_A_real	2721.02	0.0	1360.51	0.0
load	N_1200159512	constant_power_B_real	2721.02	0.0	1360.51	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159512	constant_power_C_real	2721.02	0.0	1360.51	0.0
load	N_1200159512	constant_power_A_reac	894.358	0.0	447.179	0.0
load	N_1200159512	constant_power_B_reac	894.358	0.0	447.179	0.0
load	N_1200159512	constant_power_C_reac	894.358	0.0	447.179	0.0
load	N_1200105640	constant_power_A	1729.82	568.563	864.91	284.2815
load	N_1200105640	constant_power_B	1729.82	568.563	864.91	284.2815
load	N_1200105640	constant_power_C	1729.82	568.563	864.91	284.2815
load	N_1200105640	constant_power_A_real	1729.82	0.0	864.91	0.0
load	N_1200105640	constant_power_B_real	1729.82	0.0	864.91	0.0
load	N_1200105640	constant_power_C_real	1729.82	0.0	864.91	0.0
load	N_1200105640	constant_power_A_reac	568.563	0.0	284.2815	0.0
load	N_1200105640	constant_power_B_reac	568.563	0.0	284.2815	0.0
load	N_1200105640	constant_power_C_reac	568.563	0.0	284.2815	0.0
load	N_12001059517	constant_power_A	5342.93	2258.69	2671.465	1129.345
load	N_12001059517	constant_power_B	5342.93	2258.69	2671.465	1129.345
load	N_12001059517	constant_power_C	5342.93	2258.69	2671.465	1129.345
load	N_12001059517	constant_power_A_real	5342.93	0.0	2671.465	0.0
load	N_12001059517	constant_power_B_real	5342.93	0.0	2671.465	0.0
load	N_12001059517	constant_power_C_real	5342.93	0.0	2671.465	0.0
load	N_12001059517	constant_power_A_reac	2258.69	0.0	1129.345	0.0
load	N_12001059517	constant_power_B_reac	2258.69	0.0	1129.345	0.0
load	N_12001059517	constant_power_C_reac	2258.69	0.0	1129.345	0.0
load	N_1200130122	constant_power_A	2273.38	893.337	1136.69	446.6685
load	N_1200130122	constant_power_B	2273.38	893.337	1136.69	446.6685
load	N_1200130122	constant_power_C	2273.38	893.337	1136.69	446.6685
load	N_1200130122	constant_power_A_real	2273.38	0.0	1136.69	0.0
load	N_1200130122	constant_power_B_real	2273.38	0.0	1136.69	0.0
load	N_1200130122	constant_power_C_real	2273.38	0.0	1136.69	0.0
load	N_1200130122	constant_power_A_reac	893.337	0.0	446.6685	0.0
load	N_1200130122	constant_power_B_reac	893.337	0.0	446.6685	0.0
load	N_1200130122	constant_power_C_reac	893.337	0.0	446.6685	0.0
load	N_1200159514	constant_power_A	3609.91	1272.14	1804.955	636.07
load	N_1200159514	constant_power_B	3609.91	1272.14	1804.955	636.07
load	N_1200159514	constant_power_C	3609.91	1272.14	1804.955	636.07
load	N_1200159514	constant_power_A_real	3609.91	0.0	1804.955	0.0
load	N_1200159514	constant_power_B_real	3609.91	0.0	1804.955	0.0
load	N_1200159514	constant_power_C_real	3609.91	0.0	1804.955	0.0
load	N_1200159514	constant_power_A_reac	1272.14	0.0	636.07	0.0
load	N_1200159514	constant_power_B_reac	1272.14	0.0	636.07	0.0
load	N_1200159514	constant_power_C_reac	1272.14	0.0	636.07	0.0
load	N_1200159518	constant_power_A	562.75	348.761	281.375	174.3805
load	N_1200159518	constant_power_B	562.75	348.761	281.375	174.3805
load	N_1200159518	constant_power_C	562.75	348.761	281.375	174.3805
load	N_1200159518	constant_power_A_real	562.75	0.0	281.375	0.0
load	N_1200159518	constant_power_B_real	562.75	0.0	281.375	0.0
load	N_1200159518	constant_power_C_real	562.75	0.0	281.375	0.0
load	N_1200159518	constant_power_A_reac	348.761	0.0	174.3805	0.0
load	N_1200159518	constant_power_B_reac	348.761	0.0	174.3805	0.0
load	N_1200159518	constant_power_C_reac	348.761	0.0	174.3805	0.0
load	N_1200130129	constant_power_A	930.456	576.645	465.228	288.3225
load	N_1200130129	constant_power_B	930.456	576.645	465.228	288.3225
load	N_1200130129	constant_power_C	930.456	576.645	465.228	288.3225
load	N_1200130129	constant_power_A_real	930.456	0.0	465.228	0.0
load	N_1200130129	constant_power_B_real	930.456	0.0	465.228	0.0
load	N_1200130129	constant_power_C_real	930.456	0.0	465.228	0.0
load	N_1200130129	constant_power_A_reac	576.645	0.0	288.3225	0.0
load	N_1200130129	constant_power_B_reac	576.645	0.0	288.3225	0.0
load	N_1200130129	constant_power_C_reac	576.645	0.0	288.3225	0.0
load	N_1200067089	constant_power_A	17666.7	10948.8	8833.35	5474.4
load	N_1200067089	constant_power_B	17666.7	10948.8	8833.35	5474.4
load	N_1200067089	constant_power_C	17666.7	10948.8	8833.35	5474.4
load	N_1200067089	constant_power_A_real	17666.7	0.0	8833.35	0.0
load	N_1200067089	constant_power_B_real	17666.7	0.0	8833.35	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200067089	constant_power_C_real	17666.7	0.0	8833.35	0.0
load	N_1200067089	constant_power_A_reac	10948.8	0.0	5474.4	0.0
load	N_1200067089	constant_power_B_reac	10948.8	0.0	5474.4	0.0
load	N_1200067089	constant_power_C_reac	10948.8	0.0	5474.4	0.0
load	N_1200130407	constant_power_A	601.119	251.556	300.5595	125.778
load	N_1200130407	constant_power_B	601.119	251.556	300.5595	125.778
load	N_1200130407	constant_power_C	601.119	251.556	300.5595	125.778
load	N_1200130407	constant_power_A_real	601.119	0.0	300.5595	0.0
load	N_1200130407	constant_power_B_real	601.119	0.0	300.5595	0.0
load	N_1200130407	constant_power_C_real	601.119	0.0	300.5595	0.0
load	N_1200130407	constant_power_A_reac	251.556	0.0	125.778	0.0
load	N_1200130407	constant_power_B_reac	251.556	0.0	125.778	0.0
load	N_1200130407	constant_power_C_reac	251.556	0.0	125.778	0.0
load	N_1200182063	constant_power_A	25333.3	15700.2	12666.65	7850.1
load	N_1200182063	constant_power_B	25333.3	15700.2	12666.65	7850.1
load	N_1200182063	constant_power_C	25333.3	15700.2	12666.65	7850.1
load	N_1200182063	constant_power_A_real	25333.3	0.0	12666.65	0.0
load	N_1200182063	constant_power_B_real	25333.3	0.0	12666.65	0.0
load	N_1200182063	constant_power_C_real	25333.3	0.0	12666.65	0.0
load	N_1200182063	constant_power_A_reac	15700.2	0.0	7850.1	0.0
load	N_1200182063	constant_power_B_reac	15700.2	0.0	7850.1	0.0
load	N_1200182063	constant_power_C_reac	15700.2	0.0	7850.1	0.0
load	N_1200130408	constant_power_A	6593.13	3869.21	3296.565	1934.605
load	N_1200130408	constant_power_B	6593.13	3869.21	3296.565	1934.605
load	N_1200130408	constant_power_C	6593.13	3869.21	3296.565	1934.605
load	N_1200130408	constant_power_A_real	6593.13	0.0	3296.565	0.0
load	N_1200130408	constant_power_B_real	6593.13	0.0	3296.565	0.0
load	N_1200130408	constant_power_C_real	6593.13	0.0	3296.565	0.0
load	N_1200130408	constant_power_A_reac	3869.21	0.0	1934.605	0.0
load	N_1200130408	constant_power_B_reac	3869.21	0.0	1934.605	0.0
load	N_1200130408	constant_power_C_reac	3869.21	0.0	1934.605	0.0
load	N_1200084818	constant_power_A	1051.96	651.946	525.98	325.973
load	N_1200084818	constant_power_B	1051.96	651.946	525.98	325.973
load	N_1200084818	constant_power_C	1051.96	651.946	525.98	325.973
load	N_1200084818	constant_power_A_real	1051.96	0.0	525.98	0.0
load	N_1200084818	constant_power_B_real	1051.96	0.0	525.98	0.0
load	N_1200084818	constant_power_C_real	1051.96	0.0	525.98	0.0
load	N_1200084818	constant_power_A_reac	651.946	0.0	325.973	0.0
load	N_1200084818	constant_power_B_reac	651.946	0.0	325.973	0.0
load	N_1200084818	constant_power_C_reac	651.946	0.0	325.973	0.0
load	N_1200159545	constant_power_A	1000.8	408.983	500.4	204.4915
load	N_1200159545	constant_power_B	1000.8	408.983	500.4	204.4915
load	N_1200159545	constant_power_C	1000.8	408.983	500.4	204.4915
load	N_1200159545	constant_power_A_real	1000.8	0.0	500.4	0.0
load	N_1200159545	constant_power_B_real	1000.8	0.0	500.4	0.0
load	N_1200159545	constant_power_C_real	1000.8	0.0	500.4	0.0
load	N_1200159545	constant_power_A_reac	408.983	0.0	204.4915	0.0
load	N_1200159545	constant_power_B_reac	408.983	0.0	204.4915	0.0
load	N_1200159545	constant_power_C_reac	408.983	0.0	204.4915	0.0
load	N_1200159408	constant_power_A	748.202	463.694	374.101	231.847
load	N_1200159408	constant_power_B	748.202	463.694	374.101	231.847
load	N_1200159408	constant_power_C	748.202	463.694	374.101	231.847
load	N_1200159408	constant_power_A_real	748.202	0.0	374.101	0.0
load	N_1200159408	constant_power_B_real	748.202	0.0	374.101	0.0
load	N_1200159408	constant_power_C_real	748.202	0.0	374.101	0.0
load	N_1200159408	constant_power_A_reac	463.694	0.0	231.847	0.0
load	N_1200159408	constant_power_B_reac	463.694	0.0	231.847	0.0
load	N_1200159408	constant_power_C_reac	463.694	0.0	231.847	0.0
load	N_1200108735	constant_power_A	2273.38	747.225	1136.69	373.6125
load	N_1200108735	constant_power_B	2273.38	747.225	1136.69	373.6125
load	N_1200108735	constant_power_C	2273.38	747.225	1136.69	373.6125
load	N_1200108735	constant_power_A_real	2273.38	0.0	1136.69	0.0
load	N_1200108735	constant_power_B_real	2273.38	0.0	1136.69	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200108735	constant_power_C_real	2273.38	0.0	1136.69	0.0
load	N_1200108735	constant_power_A_reac	747.225	0.0	373.6125	0.0
load	N_1200108735	constant_power_B_reac	747.225	0.0	373.6125	0.0
load	N_1200108735	constant_power_C_reac	747.225	0.0	373.6125	0.0
load	N_1200108737	constant_power_A	2327.74	765.091	1163.87	382.5455
load	N_1200108737	constant_power_B	2327.74	765.091	1163.87	382.5455
load	N_1200108737	constant_power_C	2327.74	765.091	1163.87	382.5455
load	N_1200108737	constant_power_A_real	2327.74	0.0	1163.87	0.0
load	N_1200108737	constant_power_B_real	2327.74	0.0	1163.87	0.0
load	N_1200108737	constant_power_C_real	2327.74	0.0	1163.87	0.0
load	N_1200108737	constant_power_A_reac	765.091	0.0	382.5455	0.0
load	N_1200108737	constant_power_B_reac	765.091	0.0	382.5455	0.0
load	N_1200108737	constant_power_C_reac	765.091	0.0	382.5455	0.0
load	N_1200116487	constant_power_A	2391.69	1038.32	1195.845	519.16
load	N_1200116487	constant_power_B	2391.69	1038.32	1195.845	519.16
load	N_1200116487	constant_power_C	2391.69	1038.32	1195.845	519.16
load	N_1200116487	constant_power_A_real	2391.69	0.0	1195.845	0.0
load	N_1200116487	constant_power_B_real	2391.69	0.0	1195.845	0.0
load	N_1200116487	constant_power_C_real	2391.69	0.0	1195.845	0.0
load	N_1200116487	constant_power_A_reac	1038.32	0.0	519.16	0.0
load	N_1200116487	constant_power_B_reac	1038.32	0.0	519.16	0.0
load	N_1200116487	constant_power_C_reac	1038.32	0.0	519.16	0.0
load	N_1200109859	constant_power_A	2848.92	1765.6	1424.46	882.8
load	N_1200109859	constant_power_B	2848.92	1765.6	1424.46	882.8
load	N_1200109859	constant_power_C	2848.92	1765.6	1424.46	882.8
load	N_1200109859	constant_power_A_real	2848.92	0.0	1424.46	0.0
load	N_1200109859	constant_power_B_real	2848.92	0.0	1424.46	0.0
load	N_1200109859	constant_power_C_real	2848.92	0.0	1424.46	0.0
load	N_1200109859	constant_power_A_reac	1765.6	0.0	882.8	0.0
load	N_1200109859	constant_power_B_reac	1765.6	0.0	882.8	0.0
load	N_1200109859	constant_power_C_reac	1765.6	0.0	882.8	0.0
load	N_1200159244	constant_power_A	143.885	47.2927	71.9425	23.64635
load	N_1200159244	constant_power_B	143.885	47.2927	71.9425	23.64635
load	N_1200159244	constant_power_C	143.885	47.2927	71.9425	23.64635
load	N_1200159244	constant_power_A_real	143.885	0.0	71.9425	0.0
load	N_1200159244	constant_power_B_real	143.885	0.0	71.9425	0.0
load	N_1200159244	constant_power_C_real	143.885	0.0	71.9425	0.0
load	N_1200159244	constant_power_A_reac	47.2927	0.0	23.64635	0.0
load	N_1200159244	constant_power_B_reac	47.2927	0.0	23.64635	0.0
load	N_1200159244	constant_power_C_reac	47.2927	0.0	23.64635	0.0
load	N_1200020067	constant_power_A	38.3693	23.7792	19.18465	11.8896
load	N_1200020067	constant_power_B	38.3693	23.7792	19.18465	11.8896
load	N_1200020067	constant_power_C	38.3693	23.7792	19.18465	11.8896
load	N_1200020067	constant_power_A_real	38.3693	0.0	19.18465	0.0
load	N_1200020067	constant_power_B_real	38.3693	0.0	19.18465	0.0
load	N_1200020067	constant_power_C_real	38.3693	0.0	19.18465	0.0
load	N_1200020067	constant_power_A_reac	23.7792	0.0	11.8896	0.0
load	N_1200020067	constant_power_B_reac	23.7792	0.0	11.8896	0.0
load	N_1200020067	constant_power_C_reac	23.7792	0.0	11.8896	0.0
load	N_1200159295	constant_power_A	2081.54	684.168	1040.77	342.084
load	N_1200159295	constant_power_B	2081.54	684.168	1040.77	342.084
load	N_1200159295	constant_power_A_real	2081.54	0.0	1040.77	0.0
load	N_1200159295	constant_power_B_real	2081.54	0.0	1040.77	0.0
load	N_1200159295	constant_power_A_reac	684.168	0.0	342.084	0.0
load	N_1200159295	constant_power_B_reac	684.168	0.0	342.084	0.0
load	N_1200166614	constant_power_A	2868.11	942.701	1434.055	471.3505
load	N_1200166614	constant_power_B	2868.11	942.701	1434.055	471.3505
load	N_1200166614	constant_power_A_real	2868.11	0.0	1434.055	0.0
load	N_1200166614	constant_power_B_real	2868.11	0.0	1434.055	0.0
load	N_1200166614	constant_power_A_reac	942.701	0.0	471.3505	0.0
load	N_1200166614	constant_power_B_reac	942.701	0.0	471.3505	0.0
load	N_1200142990	constant_power_A	44.7643	27.7424	22.38215	13.8712
load	N_1200142990	constant_power_B	44.7643	27.7424	22.38215	13.8712

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200142990	constant_power_C	44.7643	27.7424	22.38215	13.8712
load	N_1200142990	constant_power_A_real	44.7643	0.0	22.38215	0.0
load	N_1200142990	constant_power_B_real	44.7643	0.0	22.38215	0.0
load	N_1200142990	constant_power_C_real	44.7643	0.0	22.38215	0.0
load	N_1200142990	constant_power_A_reac	27.7424	0.0	13.8712	0.0
load	N_1200142990	constant_power_B_reac	27.7424	0.0	13.8712	0.0
load	N_1200142990	constant_power_C_reac	27.7424	0.0	13.8712	0.0
load	N_1200130347	constant_power_A	76.7387	47.5584	38.36935	23.7792
load	N_1200130347	constant_power_B	76.7387	47.5584	38.36935	23.7792
load	N_1200130347	constant_power_C	76.7387	47.5584	38.36935	23.7792
load	N_1200130347	constant_power_A_real	76.7387	0.0	38.36935	0.0
load	N_1200130347	constant_power_B_real	76.7387	0.0	38.36935	0.0
load	N_1200130347	constant_power_C_real	76.7387	0.0	38.36935	0.0
load	N_1200130347	constant_power_A_reac	47.5584	0.0	23.7792	0.0
load	N_1200130347	constant_power_B_reac	47.5584	0.0	23.7792	0.0
load	N_1200130347	constant_power_C_reac	47.5584	0.0	23.7792	0.0
load	N_1200130346	constant_power_A	1892.89	622.162	946.445	311.081
load	N_1200130346	constant_power_B	1892.89	622.162	946.445	311.081
load	N_1200130346	constant_power_C	1892.89	622.162	946.445	311.081
load	N_1200130346	constant_power_A_real	1892.89	0.0	946.445	0.0
load	N_1200130346	constant_power_B_real	1892.89	0.0	946.445	0.0
load	N_1200130346	constant_power_C_real	1892.89	0.0	946.445	0.0
load	N_1200130346	constant_power_A_reac	622.162	0.0	311.081	0.0
load	N_1200130346	constant_power_B_reac	622.162	0.0	311.081	0.0
load	N_1200130346	constant_power_C_reac	622.162	0.0	311.081	0.0
load	N_1200130345	constant_power_A	1953.64	642.13	976.82	321.065
load	N_1200130345	constant_power_B	1953.64	642.13	976.82	321.065
load	N_1200130345	constant_power_C	1953.64	642.13	976.82	321.065
load	N_1200130345	constant_power_A_real	1953.64	0.0	976.82	0.0
load	N_1200130345	constant_power_B_real	1953.64	0.0	976.82	0.0
load	N_1200130345	constant_power_C_real	1953.64	0.0	976.82	0.0
load	N_1200130345	constant_power_A_reac	642.13	0.0	321.065	0.0
load	N_1200130345	constant_power_B_reac	642.13	0.0	321.065	0.0
load	N_1200130345	constant_power_C_reac	642.13	0.0	321.065	0.0
load	N_1200130348	constant_power_A	831.336	322.571	415.668	161.2855
load	N_1200130348	constant_power_B	831.336	322.571	415.668	161.2855
load	N_1200130348	constant_power_C	831.336	322.571	415.668	161.2855
load	N_1200130348	constant_power_A_real	831.336	0.0	415.668	0.0
load	N_1200130348	constant_power_B_real	831.336	0.0	415.668	0.0
load	N_1200130348	constant_power_C_real	831.336	0.0	415.668	0.0
load	N_1200130348	constant_power_A_reac	322.571	0.0	161.2855	0.0
load	N_1200130348	constant_power_B_reac	322.571	0.0	161.2855	0.0
load	N_1200130348	constant_power_C_reac	322.571	0.0	161.2855	0.0
load	N_1200160306	constant_power_A	2161.47	1339.56	1080.735	669.78
load	N_1200160306	constant_power_B	2161.47	1339.56	1080.735	669.78
load	N_1200160306	constant_power_C	2161.47	1339.56	1080.735	669.78
load	N_1200160306	constant_power_A_real	2161.47	0.0	1080.735	0.0
load	N_1200160306	constant_power_B_real	2161.47	0.0	1080.735	0.0
load	N_1200160306	constant_power_C_real	2161.47	0.0	1080.735	0.0
load	N_1200160306	constant_power_A_reac	1339.56	0.0	669.78	0.0
load	N_1200160306	constant_power_B_reac	1339.56	0.0	669.78	0.0
load	N_1200160306	constant_power_C_reac	1339.56	0.0	669.78	0.0
load	N_1200159274	constant_power_A	1227.82	403.564	613.91	201.782
load	N_1200159274	constant_power_B	1227.82	403.564	613.91	201.782
load	N_1200159274	constant_power_C	1227.82	403.564	613.91	201.782
load	N_1200159274	constant_power_A_real	1227.82	0.0	613.91	0.0
load	N_1200159274	constant_power_B_real	1227.82	0.0	613.91	0.0
load	N_1200159274	constant_power_C_real	1227.82	0.0	613.91	0.0
load	N_1200159274	constant_power_A_reac	403.564	0.0	201.782	0.0
load	N_1200159274	constant_power_B_reac	403.564	0.0	201.782	0.0
load	N_1200159274	constant_power_C_reac	403.564	0.0	201.782	0.0
load	N_1200160304	constant_power_A	2027.18	1256.33	1013.59	628.165
load	N_1200160304	constant_power_B	2027.18	1256.33	1013.59	628.165

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160304	constant_power_C	2027.18	1256.33	1013.59	628.165
load	N_1200160304	constant_power_A_real	2027.18	0.0	1013.59	0.0
load	N_1200160304	constant_power_B_real	2027.18	0.0	1013.59	0.0
load	N_1200160304	constant_power_C_real	2027.18	0.0	1013.59	0.0
load	N_1200160304	constant_power_A_reac	1256.33	0.0	628.165	0.0
load	N_1200160304	constant_power_B_reac	1256.33	0.0	628.165	0.0
load	N_1200160304	constant_power_C_reac	1256.33	0.0	628.165	0.0
load	N_1200166619	constant_power_A	1630.7	1010.61	815.35	505.305
load	N_1200166619	constant_power_B	1630.7	1010.61	815.35	505.305
load	N_1200166619	constant_power_C	1630.7	1010.61	815.35	505.305
load	N_1200166619	constant_power_A_real	1630.7	0.0	815.35	0.0
load	N_1200166619	constant_power_B_real	1630.7	0.0	815.35	0.0
load	N_1200166619	constant_power_C_real	1630.7	0.0	815.35	0.0
load	N_1200166619	constant_power_A_reac	1010.61	0.0	505.305	0.0
load	N_1200166619	constant_power_B_reac	1010.61	0.0	505.305	0.0
load	N_1200166619	constant_power_C_reac	1010.61	0.0	505.305	0.0
load	N_1200175534	constant_power_A	13007.2	4291.08	6503.6	2145.54
load	N_1200175534	constant_power_B	13007.2	4291.08	6503.6	2145.54
load	N_1200175534	constant_power_C	13007.2	4291.08	6503.6	2145.54
load	N_1200175534	constant_power_A_real	13007.2	0.0	6503.6	0.0
load	N_1200175534	constant_power_B_real	13007.2	0.0	6503.6	0.0
load	N_1200175534	constant_power_C_real	13007.2	0.0	6503.6	0.0
load	N_1200175534	constant_power_A_reac	4291.08	0.0	2145.54	0.0
load	N_1200175534	constant_power_B_reac	4291.08	0.0	2145.54	0.0
load	N_1200175534	constant_power_C_reac	4291.08	0.0	2145.54	0.0
load	N_1200083952	constant_power_A	1112.71	365.73	556.355	182.865
load	N_1200083952	constant_power_B	1112.71	365.73	556.355	182.865
load	N_1200083952	constant_power_C	1112.71	365.73	556.355	182.865
load	N_1200083952	constant_power_A_real	1112.71	0.0	556.355	0.0
load	N_1200083952	constant_power_B_real	1112.71	0.0	556.355	0.0
load	N_1200083952	constant_power_C_real	1112.71	0.0	556.355	0.0
load	N_1200083952	constant_power_A_reac	365.73	0.0	182.865	0.0
load	N_1200083952	constant_power_B_reac	365.73	0.0	182.865	0.0
load	N_1200083952	constant_power_C_reac	365.73	0.0	182.865	0.0
load	N_1200159273	constant_power_A	1301.36	427.736	650.68	213.868
load	N_1200159273	constant_power_B	1301.36	427.736	650.68	213.868
load	N_1200159273	constant_power_C	1301.36	427.736	650.68	213.868
load	N_1200159273	constant_power_A_real	1301.36	0.0	650.68	0.0
load	N_1200159273	constant_power_B_real	1301.36	0.0	650.68	0.0
load	N_1200159273	constant_power_C_real	1301.36	0.0	650.68	0.0
load	N_1200159273	constant_power_A_reac	427.736	0.0	213.868	0.0
load	N_1200159273	constant_power_B_reac	427.736	0.0	213.868	0.0
load	N_1200159273	constant_power_C_reac	427.736	0.0	213.868	0.0
load	N_1200166624	constant_power_A	243.006	150.601	121.503	75.3005
load	N_1200166624	constant_power_B	243.006	150.601	121.503	75.3005
load	N_1200166624	constant_power_C	243.006	150.601	121.503	75.3005
load	N_1200166624	constant_power_A_real	243.006	0.0	121.503	0.0
load	N_1200166624	constant_power_B_real	243.006	0.0	121.503	0.0
load	N_1200166624	constant_power_C_real	243.006	0.0	121.503	0.0
load	N_1200166624	constant_power_A_reac	150.601	0.0	75.3005	0.0
load	N_1200166624	constant_power_B_reac	150.601	0.0	75.3005	0.0
load	N_1200166624	constant_power_C_reac	150.601	0.0	75.3005	0.0
load	N_1200160283	constant_power_A	2305.36	757.734	1152.68	378.867
load	N_1200160283	constant_power_B	2305.36	757.734	1152.68	378.867
load	N_1200160283	constant_power_C	2305.36	757.734	1152.68	378.867
load	N_1200160283	constant_power_A_real	2305.36	0.0	1152.68	0.0
load	N_1200160283	constant_power_B_real	2305.36	0.0	1152.68	0.0
load	N_1200160283	constant_power_C_real	2305.36	0.0	1152.68	0.0
load	N_1200160283	constant_power_A_reac	757.734	0.0	378.867	0.0
load	N_1200160283	constant_power_B_reac	757.734	0.0	378.867	0.0
load	N_1200160283	constant_power_C_reac	757.734	0.0	378.867	0.0
load	N_1200130436	constant_power_A	41.5667	13.6623	20.78335	6.83115
load	N_1200130436	constant_power_B	41.5667	13.6623	20.78335	6.83115

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130436	constant_power_C	41.5667	13.6623	20.78335	6.83115
load	N_1200130436	constant_power_A_real	41.5667	0.0	20.78335	0.0
load	N_1200130436	constant_power_B_real	41.5667	0.0	20.78335	0.0
load	N_1200130436	constant_power_C_real	41.5667	0.0	20.78335	0.0
load	N_1200130436	constant_power_A_reac	13.6623	0.0	6.83115	0.0
load	N_1200130436	constant_power_B_reac	13.6623	0.0	6.83115	0.0
load	N_1200130436	constant_power_C_reac	13.6623	0.0	6.83115	0.0
load	N_1200052054	constant_power_A	147153.0	91197.1	73576.5	45598.55
load	N_1200052054	constant_power_B	147153.0	91197.1	73576.5	45598.55
load	N_1200052054	constant_power_C	147153.0	91197.1	73576.5	45598.55
load	N_1200052054	constant_power_A_real	147153.0	0.0	73576.5	0.0
load	N_1200052054	constant_power_B_real	147153.0	0.0	73576.5	0.0
load	N_1200052054	constant_power_C_real	147153.0	0.0	73576.5	0.0
load	N_1200052054	constant_power_A_reac	91197.1	0.0	45598.55	0.0
load	N_1200052054	constant_power_B_reac	91197.1	0.0	45598.55	0.0
load	N_1200052054	constant_power_C_reac	91197.1	0.0	45598.55	0.0
load	N_1200130297	constant_power_A	185.452	114.933	92.726	57.4665
load	N_1200130297	constant_power_B	185.452	114.933	92.726	57.4665
load	N_1200130297	constant_power_C	185.452	114.933	92.726	57.4665
load	N_1200130297	constant_power_A_real	185.452	0.0	92.726	0.0
load	N_1200130297	constant_power_B_real	185.452	0.0	92.726	0.0
load	N_1200130297	constant_power_C_real	185.452	0.0	92.726	0.0
load	N_1200130297	constant_power_A_reac	114.933	0.0	57.4665	0.0
load	N_1200130297	constant_power_B_reac	114.933	0.0	57.4665	0.0
load	N_1200130297	constant_power_C_reac	114.933	0.0	57.4665	0.0
load	N_1200109696	constant_power_A	99.1207	61.4295	49.56035	30.71475
load	N_1200109696	constant_power_B	99.1207	61.4295	49.56035	30.71475
load	N_1200109696	constant_power_C	99.1207	61.4295	49.56035	30.71475
load	N_1200109696	constant_power_A_real	99.1207	0.0	49.56035	0.0
load	N_1200109696	constant_power_B_real	99.1207	0.0	49.56035	0.0
load	N_1200109696	constant_power_C_real	99.1207	0.0	49.56035	0.0
load	N_1200109696	constant_power_A_reac	61.4295	0.0	30.71475	0.0
load	N_1200109696	constant_power_B_reac	61.4295	0.0	30.71475	0.0
load	N_1200109696	constant_power_C_reac	61.4295	0.0	30.71475	0.0
load	N_1200129969	constant_power_A	5378.1	1767.7	2689.05	883.85
load	N_1200129969	constant_power_B	5378.1	1767.7	2689.05	883.85
load	N_1200129969	constant_power_C	5378.1	1767.7	2689.05	883.85
load	N_1200129969	constant_power_A_real	5378.1	0.0	2689.05	0.0
load	N_1200129969	constant_power_B_real	5378.1	0.0	2689.05	0.0
load	N_1200129969	constant_power_C_real	5378.1	0.0	2689.05	0.0
load	N_1200129969	constant_power_A_reac	1767.7	0.0	883.85	0.0
load	N_1200129969	constant_power_B_reac	1767.7	0.0	883.85	0.0
load	N_1200129969	constant_power_C_reac	1767.7	0.0	883.85	0.0
load	N_1200110203	constant_power_A	2100.72	1301.91	1050.36	650.955
load	N_1200110203	constant_power_B	2100.72	1301.91	1050.36	650.955
load	N_1200110203	constant_power_C	2100.72	1301.91	1050.36	650.955
load	N_1200110203	constant_power_A_real	2100.72	0.0	1050.36	0.0
load	N_1200110203	constant_power_B_real	2100.72	0.0	1050.36	0.0
load	N_1200110203	constant_power_C_real	2100.72	0.0	1050.36	0.0
load	N_1200110203	constant_power_A_reac	1301.91	0.0	650.955	0.0
load	N_1200110203	constant_power_B_reac	1301.91	0.0	650.955	0.0
load	N_1200110203	constant_power_C_reac	1301.91	0.0	650.955	0.0
load	N_1200129840	constant_power_A	748.202	245.922	374.101	122.961
load	N_1200129840	constant_power_B	748.202	245.922	374.101	122.961
load	N_1200129840	constant_power_C	748.202	245.922	374.101	122.961
load	N_1200129840	constant_power_A_real	748.202	0.0	374.101	0.0
load	N_1200129840	constant_power_B_real	748.202	0.0	374.101	0.0
load	N_1200129840	constant_power_C_real	748.202	0.0	374.101	0.0
load	N_1200129840	constant_power_A_reac	245.922	0.0	122.961	0.0
load	N_1200129840	constant_power_B_reac	245.922	0.0	122.961	0.0
load	N_1200129840	constant_power_C_reac	245.922	0.0	122.961	0.0
load	N_1200129964	constant_power_A	322.942	200.141	161.471	100.0705
load	N_1200129964	constant_power_B	322.942	200.141	161.471	100.0705

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129964	constant_power_C	322.942	200.141	161.471	100.0705
load	N_1200129964	constant_power_A_real	322.942	0.0	161.471	0.0
load	N_1200129964	constant_power_B_real	322.942	0.0	161.471	0.0
load	N_1200129964	constant_power_C_real	322.942	0.0	161.471	0.0
load	N_1200129964	constant_power_A_reac	200.141	0.0	100.0705	0.0
load	N_1200129964	constant_power_B_reac	200.141	0.0	100.0705	0.0
load	N_1200129964	constant_power_C_reac	200.141	0.0	100.0705	0.0
load	N_1200129967	constant_power_A	1071.14	352.068	535.57	176.034
load	N_1200129967	constant_power_B	1071.14	352.068	535.57	176.034
load	N_1200129967	constant_power_C	1071.14	352.068	535.57	176.034
load	N_1200129967	constant_power_A_real	1071.14	0.0	535.57	0.0
load	N_1200129967	constant_power_B_real	1071.14	0.0	535.57	0.0
load	N_1200129967	constant_power_C_real	1071.14	0.0	535.57	0.0
load	N_1200129967	constant_power_A_reac	352.068	0.0	176.034	0.0
load	N_1200129967	constant_power_B_reac	352.068	0.0	176.034	0.0
load	N_1200129967	constant_power_C_reac	352.068	0.0	176.034	0.0
load	N_1200129966	constant_power_A	1016.79	334.202	508.395	167.101
load	N_1200129966	constant_power_B	1016.79	334.202	508.395	167.101
load	N_1200129966	constant_power_C	1016.79	334.202	508.395	167.101
load	N_1200129966	constant_power_A_real	1016.79	0.0	508.395	0.0
load	N_1200129966	constant_power_B_real	1016.79	0.0	508.395	0.0
load	N_1200129966	constant_power_C_real	1016.79	0.0	508.395	0.0
load	N_1200129966	constant_power_A_reac	334.202	0.0	167.101	0.0
load	N_1200129966	constant_power_B_reac	334.202	0.0	167.101	0.0
load	N_1200129966	constant_power_C_reac	334.202	0.0	167.101	0.0
load	N_1200108740	constant_power_A	236.611	77.7703	118.3055	38.88515
load	N_1200108740	constant_power_B	236.611	77.7703	118.3055	38.88515
load	N_1200108740	constant_power_C	236.611	77.7703	118.3055	38.88515
load	N_1200108740	constant_power_A_real	236.611	0.0	118.3055	0.0
load	N_1200108740	constant_power_B_real	236.611	0.0	118.3055	0.0
load	N_1200108740	constant_power_C_real	236.611	0.0	118.3055	0.0
load	N_1200108740	constant_power_A_reac	77.7703	0.0	38.88515	0.0
load	N_1200108740	constant_power_B_reac	77.7703	0.0	38.88515	0.0
load	N_1200108740	constant_power_C_reac	77.7703	0.0	38.88515	0.0
load	N_1200130020	constant_power_A	1355.72	578.685	677.86	289.3425
load	N_1200130020	constant_power_B	1355.72	578.685	677.86	289.3425
load	N_1200130020	constant_power_C	1355.72	578.685	677.86	289.3425
load	N_1200130020	constant_power_A_real	1355.72	0.0	677.86	0.0
load	N_1200130020	constant_power_B_real	1355.72	0.0	677.86	0.0
load	N_1200130020	constant_power_C_real	1355.72	0.0	677.86	0.0
load	N_1200130020	constant_power_A_reac	578.685	0.0	289.3425	0.0
load	N_1200130020	constant_power_B_reac	578.685	0.0	289.3425	0.0
load	N_1200130020	constant_power_C_reac	578.685	0.0	289.3425	0.0
load	N_1200129963	constant_power_A	1710.63	562.258	855.315	281.129
load	N_1200129963	constant_power_B	1710.63	562.258	855.315	281.129
load	N_1200129963	constant_power_C	1710.63	562.258	855.315	281.129
load	N_1200129963	constant_power_A_real	1710.63	0.0	855.315	0.0
load	N_1200129963	constant_power_B_real	1710.63	0.0	855.315	0.0
load	N_1200129963	constant_power_C_real	1710.63	0.0	855.315	0.0
load	N_1200129963	constant_power_A_reac	562.258	0.0	281.129	0.0
load	N_1200129963	constant_power_B_reac	562.258	0.0	281.129	0.0
load	N_1200129963	constant_power_C_reac	562.258	0.0	281.129	0.0
load	N_1200129962	constant_power_A	402.878	132.42	201.439	66.21
load	N_1200129962	constant_power_B	402.878	132.42	201.439	66.21
load	N_1200129962	constant_power_C	402.878	132.42	201.439	66.21
load	N_1200129962	constant_power_A_real	402.878	0.0	201.439	0.0
load	N_1200129962	constant_power_B_real	402.878	0.0	201.439	0.0
load	N_1200129962	constant_power_C_real	402.878	0.0	201.439	0.0
load	N_1200129962	constant_power_A_reac	132.42	0.0	66.21	0.0
load	N_1200129962	constant_power_B_reac	132.42	0.0	66.21	0.0
load	N_1200129962	constant_power_C_reac	132.42	0.0	66.21	0.0
load	N_1200030616	constant_power_A	64291.0	39844.0	32145.5	19922.0
load	N_1200030616	constant_power_B	64291.0	39844.0	32145.5	19922.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200030616	constant_power_C	64291.0	39844.0	32145.5	19922.0
load	N_1200030616	constant_power_A_real	64291.0	0.0	32145.5	0.0
load	N_1200030616	constant_power_B_real	64291.0	0.0	32145.5	0.0
load	N_1200030616	constant_power_C_real	64291.0	0.0	32145.5	0.0
load	N_1200030616	constant_power_A_reac	39844.0	0.0	19922.0	0.0
load	N_1200030616	constant_power_B_reac	39844.0	0.0	19922.0	0.0
load	N_1200030616	constant_power_C_reac	39844.0	0.0	19922.0	0.0
load	N_1200030963	constant_power_A	223.821	73.5664	111.9105	36.7832
load	N_1200030963	constant_power_B	223.821	73.5664	111.9105	36.7832
load	N_1200030963	constant_power_C	223.821	73.5664	111.9105	36.7832
load	N_1200030963	constant_power_A_real	223.821	0.0	111.9105	0.0
load	N_1200030963	constant_power_B_real	223.821	0.0	111.9105	0.0
load	N_1200030963	constant_power_C_real	223.821	0.0	111.9105	0.0
load	N_1200030963	constant_power_A_reac	73.5664	0.0	36.7832	0.0
load	N_1200030963	constant_power_B_reac	73.5664	0.0	36.7832	0.0
load	N_1200030963	constant_power_C_reac	73.5664	0.0	36.7832	0.0
load	N_1200160214	constant_power_A	700.24	433.97	350.12	216.985
load	N_1200160214	constant_power_B	700.24	433.97	350.12	216.985
load	N_1200160214	constant_power_C	700.24	433.97	350.12	216.985
load	N_1200160214	constant_power_A_real	700.24	0.0	350.12	0.0
load	N_1200160214	constant_power_B_real	700.24	0.0	350.12	0.0
load	N_1200160214	constant_power_C_real	700.24	0.0	350.12	0.0
load	N_1200160214	constant_power_A_reac	433.97	0.0	216.985	0.0
load	N_1200160214	constant_power_B_reac	433.97	0.0	216.985	0.0
load	N_1200160214	constant_power_C_reac	433.97	0.0	216.985	0.0
load	N_1200159479	constant_power_A	1563.55	513.914	781.775	256.957
load	N_1200159479	constant_power_B	1563.55	513.914	781.775	256.957
load	N_1200159479	constant_power_C	1563.55	513.914	781.775	256.957
load	N_1200159479	constant_power_A_real	1563.55	0.0	781.775	0.0
load	N_1200159479	constant_power_B_real	1563.55	0.0	781.775	0.0
load	N_1200159479	constant_power_C_real	1563.55	0.0	781.775	0.0
load	N_1200159479	constant_power_A_reac	513.914	0.0	256.957	0.0
load	N_1200159479	constant_power_B_reac	513.914	0.0	256.957	0.0
load	N_1200159479	constant_power_C_reac	513.914	0.0	256.957	0.0
load	N_1200129563	constant_power_A	4780.18	2962.49	2390.09	1481.245
load	N_1200129563	constant_power_B	4780.18	2962.49	2390.09	1481.245
load	N_1200129563	constant_power_C	4780.18	2962.49	2390.09	1481.245
load	N_1200129563	constant_power_A_real	4780.18	0.0	2390.09	0.0
load	N_1200129563	constant_power_B_real	4780.18	0.0	2390.09	0.0
load	N_1200129563	constant_power_C_real	4780.18	0.0	2390.09	0.0
load	N_1200129563	constant_power_A_reac	2962.49	0.0	1481.245	0.0
load	N_1200129563	constant_power_B_reac	2962.49	0.0	1481.245	0.0
load	N_1200129563	constant_power_C_reac	2962.49	0.0	1481.245	0.0
load	N_1200129562	constant_power_A	150.28	49.3946	75.14	24.6973
load	N_1200129562	constant_power_B	150.28	49.3946	75.14	24.6973
load	N_1200129562	constant_power_C	150.28	49.3946	75.14	24.6973
load	N_1200129562	constant_power_A_real	150.28	0.0	75.14	0.0
load	N_1200129562	constant_power_B_real	150.28	0.0	75.14	0.0
load	N_1200129562	constant_power_C_real	150.28	0.0	75.14	0.0
load	N_1200129562	constant_power_A_reac	49.3946	0.0	24.6973	0.0
load	N_1200129562	constant_power_B_reac	49.3946	0.0	24.6973	0.0
load	N_1200129562	constant_power_C_reac	49.3946	0.0	24.6973	0.0
load	N_1200130024	constant_power_A	1256.6	413.023	628.3	206.5115
load	N_1200130024	constant_power_B	1256.6	413.023	628.3	206.5115
load	N_1200130024	constant_power_A_real	1256.6	0.0	628.3	0.0
load	N_1200130024	constant_power_B_real	1256.6	0.0	628.3	0.0
load	N_1200130024	constant_power_A_reac	413.023	0.0	206.5115	0.0
load	N_1200130024	constant_power_B_reac	413.023	0.0	206.5115	0.0
load	N_1200129567	constant_power_A	4070.35	1369.5	2035.175	684.75
load	N_1200129567	constant_power_B	4070.35	1369.5	2035.175	684.75
load	N_1200129567	constant_power_C	4070.35	1369.5	2035.175	684.75
load	N_1200129567	constant_power_A_real	4070.35	0.0	2035.175	0.0
load	N_1200129567	constant_power_B_real	4070.35	0.0	2035.175	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129567	constant_power_C_real	4070.35	0.0	2035.175	0.0
load	N_1200129567	constant_power_A_reac	1369.5	0.0	684.75	0.0
load	N_1200129567	constant_power_B_reac	1369.5	0.0	684.75	0.0
load	N_1200129567	constant_power_C_reac	1369.5	0.0	684.75	0.0
load	N_1200129566	constant_power_A	3645.09	1542.42	1822.545	771.21
load	N_1200129566	constant_power_B	3645.09	1542.42	1822.545	771.21
load	N_1200129566	constant_power_C	3645.09	1542.42	1822.545	771.21
load	N_1200129566	constant_power_A_real	3645.09	0.0	1822.545	0.0
load	N_1200129566	constant_power_B_real	3645.09	0.0	1822.545	0.0
load	N_1200129566	constant_power_C_real	3645.09	0.0	1822.545	0.0
load	N_1200129566	constant_power_A_reac	1542.42	0.0	771.21	0.0
load	N_1200129566	constant_power_B_reac	1542.42	0.0	771.21	0.0
load	N_1200129566	constant_power_C_reac	1542.42	0.0	771.21	0.0
load	N_1200129569	constant_power_A	2235.01	734.613	1117.505	367.3065
load	N_1200129569	constant_power_B	2235.01	734.613	1117.505	367.3065
load	N_1200129569	constant_power_C	2235.01	734.613	1117.505	367.3065
load	N_1200129569	constant_power_A_real	2235.01	0.0	1117.505	0.0
load	N_1200129569	constant_power_B_real	2235.01	0.0	1117.505	0.0
load	N_1200129569	constant_power_C_real	2235.01	0.0	1117.505	0.0
load	N_1200129569	constant_power_A_reac	734.613	0.0	367.3065	0.0
load	N_1200129569	constant_power_B_reac	734.613	0.0	367.3065	0.0
load	N_1200129569	constant_power_C_reac	734.613	0.0	367.3065	0.0
load	N_1200129568	constant_power_A	2596.32	853.371	1298.16	426.6855
load	N_1200129568	constant_power_B	2596.32	853.371	1298.16	426.6855
load	N_1200129568	constant_power_C	2596.32	853.371	1298.16	426.6855
load	N_1200129568	constant_power_A_real	2596.32	0.0	1298.16	0.0
load	N_1200129568	constant_power_B_real	2596.32	0.0	1298.16	0.0
load	N_1200129568	constant_power_C_real	2596.32	0.0	1298.16	0.0
load	N_1200129568	constant_power_A_reac	853.371	0.0	426.6855	0.0
load	N_1200129568	constant_power_B_reac	853.371	0.0	426.6855	0.0
load	N_1200129568	constant_power_C_reac	853.371	0.0	426.6855	0.0
load	N_1200458010	constant_power_A	21666.7	13427.8	10833.35	6713.9
load	N_1200458010	constant_power_B	21666.7	13427.8	10833.35	6713.9
load	N_1200458010	constant_power_C	21666.7	13427.8	10833.35	6713.9
load	N_1200458010	constant_power_A_real	21666.7	0.0	10833.35	0.0
load	N_1200458010	constant_power_B_real	21666.7	0.0	10833.35	0.0
load	N_1200458010	constant_power_C_real	21666.7	0.0	10833.35	0.0
load	N_1200458010	constant_power_A_reac	13427.8	0.0	6713.9	0.0
load	N_1200458010	constant_power_B_reac	13427.8	0.0	6713.9	0.0
load	N_1200458010	constant_power_C_reac	13427.8	0.0	6713.9	0.0
load	N_1200071835	constant_power_A	1889.69	621.111	944.845	310.5555
load	N_1200071835	constant_power_B	1889.69	621.111	944.845	310.5555
load	N_1200071835	constant_power_A_real	1889.69	0.0	944.845	0.0
load	N_1200071835	constant_power_B_real	1889.69	0.0	944.845	0.0
load	N_1200071835	constant_power_A_reac	621.111	0.0	310.5555	0.0
load	N_1200071835	constant_power_B_reac	621.111	0.0	310.5555	0.0
load	N_1200071834	constant_power_A	28.777	17.8344	14.3885	8.9172
load	N_1200071834	constant_power_B	28.777	17.8344	14.3885	8.9172
load	N_1200071834	constant_power_C	28.777	17.8344	14.3885	8.9172
load	N_1200071834	constant_power_A_real	28.777	0.0	14.3885	0.0
load	N_1200071834	constant_power_B_real	28.777	0.0	14.3885	0.0
load	N_1200071834	constant_power_C_real	28.777	0.0	14.3885	0.0
load	N_1200071834	constant_power_A_reac	17.8344	0.0	8.9172	0.0
load	N_1200071834	constant_power_B_reac	17.8344	0.0	8.9172	0.0
load	N_1200071834	constant_power_C_reac	17.8344	0.0	8.9172	0.0
load	N_1200071837	constant_power_A	799.361	264.599	399.6805	132.2995
load	N_1200071837	constant_power_B	799.361	264.599	399.6805	132.2995
load	N_1200071837	constant_power_C	799.361	264.599	399.6805	132.2995
load	N_1200071837	constant_power_A_real	799.361	0.0	399.6805	0.0
load	N_1200071837	constant_power_B_real	799.361	0.0	399.6805	0.0
load	N_1200071837	constant_power_C_real	799.361	0.0	399.6805	0.0
load	N_1200071837	constant_power_A_reac	264.599	0.0	132.2995	0.0
load	N_1200071837	constant_power_B_reac	264.599	0.0	132.2995	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200071837	constant_power_C_reac	264.599	0.0	132.2995	0.0
load	N_1200166263	constant_power_A	79.936	26.2737	39.968	13.13685
load	N_1200166263	constant_power_B	79.936	26.2737	39.968	13.13685
load	N_1200166263	constant_power_C	79.936	26.2737	39.968	13.13685
load	N_1200166263	constant_power_A_real	79.936	0.0	39.968	0.0
load	N_1200166263	constant_power_B_real	79.936	0.0	39.968	0.0
load	N_1200166263	constant_power_C_real	79.936	0.0	39.968	0.0
load	N_1200166263	constant_power_A_reac	26.2737	0.0	13.13685	0.0
load	N_1200166263	constant_power_B_reac	26.2737	0.0	13.13685	0.0
load	N_1200166263	constant_power_C_reac	26.2737	0.0	13.13685	0.0
load	N_1200076473	constant_power_A	19678.7	6468.07	9839.35	3234.035
load	N_1200076473	constant_power_B	19678.7	6468.07	9839.35	3234.035
load	N_1200076473	constant_power_A_real	19678.7	0.0	9839.35	0.0
load	N_1200076473	constant_power_B_real	19678.7	0.0	9839.35	0.0
load	N_1200076473	constant_power_A_reac	6468.07	0.0	3234.035	0.0
load	N_1200076473	constant_power_B_reac	6468.07	0.0	3234.035	0.0
load	N_1200166267	constant_power_A	1272.58	418.278	636.29	209.139
load	N_1200166267	constant_power_B	1272.58	418.278	636.29	209.139
load	N_1200166267	constant_power_C	1272.58	418.278	636.29	209.139
load	N_1200166267	constant_power_A_real	1272.58	0.0	636.29	0.0
load	N_1200166267	constant_power_B_real	1272.58	0.0	636.29	0.0
load	N_1200166267	constant_power_C_real	1272.58	0.0	636.29	0.0
load	N_1200166267	constant_power_A_reac	418.278	0.0	209.139	0.0
load	N_1200166267	constant_power_B_reac	418.278	0.0	209.139	0.0
load	N_1200166267	constant_power_C_reac	418.278	0.0	209.139	0.0
load	N_1200175330	constant_power_A	15565.2	5116.02	7782.6	2558.01
load	N_1200175330	constant_power_B	15565.2	5116.02	7782.6	2558.01
load	N_1200175330	constant_power_C	15565.2	5116.02	7782.6	2558.01
load	N_1200175330	constant_power_A_real	15565.2	0.0	7782.6	0.0
load	N_1200175330	constant_power_B_real	15565.2	0.0	7782.6	0.0
load	N_1200175330	constant_power_C_real	15565.2	0.0	7782.6	0.0
load	N_1200175330	constant_power_A_reac	5116.02	0.0	2558.01	0.0
load	N_1200175330	constant_power_B_reac	5116.02	0.0	2558.01	0.0
load	N_1200175330	constant_power_C_reac	5116.02	0.0	2558.01	0.0
load	N_1200166265	constant_power_A	994.405	616.277	497.2025	308.1385
load	N_1200166265	constant_power_B	994.405	616.277	497.2025	308.1385
load	N_1200166265	constant_power_C	994.405	616.277	497.2025	308.1385
load	N_1200166265	constant_power_A_real	994.405	0.0	497.2025	0.0
load	N_1200166265	constant_power_B_real	994.405	0.0	497.2025	0.0
load	N_1200166265	constant_power_C_real	994.405	0.0	497.2025	0.0
load	N_1200166265	constant_power_A_reac	616.277	0.0	308.1385	0.0
load	N_1200166265	constant_power_B_reac	616.277	0.0	308.1385	0.0
load	N_1200166265	constant_power_C_reac	616.277	0.0	308.1385	0.0
load	N_1200159476	constant_power_A	44.7643	27.7424	22.38215	13.8712
load	N_1200159476	constant_power_B	44.7643	27.7424	22.38215	13.8712
load	N_1200159476	constant_power_C	44.7643	27.7424	22.38215	13.8712
load	N_1200159476	constant_power_A_real	44.7643	0.0	22.38215	0.0
load	N_1200159476	constant_power_B_real	44.7643	0.0	22.38215	0.0
load	N_1200159476	constant_power_C_real	44.7643	0.0	22.38215	0.0
load	N_1200159476	constant_power_A_reac	27.7424	0.0	13.8712	0.0
load	N_1200159476	constant_power_B_reac	27.7424	0.0	13.8712	0.0
load	N_1200159476	constant_power_C_reac	27.7424	0.0	13.8712	0.0
load	N_1200159488	constant_power_A	956.036	314.234	478.018	157.117
load	N_1200159488	constant_power_B	956.036	314.234	478.018	157.117
load	N_1200159488	constant_power_C	956.036	314.234	478.018	157.117
load	N_1200159488	constant_power_A_real	956.036	0.0	478.018	0.0
load	N_1200159488	constant_power_B_real	956.036	0.0	478.018	0.0
load	N_1200159488	constant_power_C_real	956.036	0.0	478.018	0.0
load	N_1200159488	constant_power_A_reac	314.234	0.0	157.117	0.0
load	N_1200159488	constant_power_B_reac	314.234	0.0	157.117	0.0
load	N_1200159488	constant_power_C_reac	314.234	0.0	157.117	0.0
load	N_1200130029	constant_power_A	4105.52	1349.42	2052.76	674.71
load	N_1200130029	constant_power_B	4105.52	1349.42	2052.76	674.71

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130029	constant_power_A_real	4105.52	0.0	2052.76	0.0
load	N_1200130029	constant_power_B_real	4105.52	0.0	2052.76	0.0
load	N_1200130029	constant_power_A_reac	1349.42	0.0	674.71	0.0
load	N_1200130029	constant_power_B_reac	1349.42	0.0	674.71	0.0
load	N_1200159281	constant_power_A	1534.77	504.455	767.385	252.2275
load	N_1200159281	constant_power_B	1534.77	504.455	767.385	252.2275
load	N_1200159281	constant_power_C	1534.77	504.455	767.385	252.2275
load	N_1200159281	constant_power_A_real	1534.77	0.0	767.385	0.0
load	N_1200159281	constant_power_B_real	1534.77	0.0	767.385	0.0
load	N_1200159281	constant_power_C_real	1534.77	0.0	767.385	0.0
load	N_1200159281	constant_power_A_reac	504.455	0.0	252.2275	0.0
load	N_1200159281	constant_power_B_reac	504.455	0.0	252.2275	0.0
load	N_1200159281	constant_power_C_reac	504.455	0.0	252.2275	0.0
load	N_1200159478	constant_power_A	1426.06	468.723	713.03	234.3615
load	N_1200159478	constant_power_B	1426.06	468.723	713.03	234.3615
load	N_1200159478	constant_power_C	1426.06	468.723	713.03	234.3615
load	N_1200159478	constant_power_A_real	1426.06	0.0	713.03	0.0
load	N_1200159478	constant_power_B_real	1426.06	0.0	713.03	0.0
load	N_1200159478	constant_power_C_real	1426.06	0.0	713.03	0.0
load	N_1200159478	constant_power_A_reac	468.723	0.0	234.3615	0.0
load	N_1200159478	constant_power_B_reac	468.723	0.0	234.3615	0.0
load	N_1200159478	constant_power_C_reac	468.723	0.0	234.3615	0.0
load	N_1200130053	constant_power_A	5541.17	2758.46	2770.585	1379.23
load	N_1200130053	constant_power_B	5541.17	2758.46	2770.585	1379.23
load	N_1200130053	constant_power_C	5541.17	2758.46	2770.585	1379.23
load	N_1200130053	constant_power_A_real	5541.17	0.0	2770.585	0.0
load	N_1200130053	constant_power_B_real	5541.17	0.0	2770.585	0.0
load	N_1200130053	constant_power_C_real	5541.17	0.0	2770.585	0.0
load	N_1200130053	constant_power_A_reac	2758.46	0.0	1379.23	0.0
load	N_1200130053	constant_power_B_reac	2758.46	0.0	1379.23	0.0
load	N_1200130053	constant_power_C_reac	2758.46	0.0	1379.23	0.0
load	N_1200160280	constant_power_A	1141.49	707.43	570.745	353.715
load	N_1200160280	constant_power_B	1141.49	707.43	570.745	353.715
load	N_1200160280	constant_power_C	1141.49	707.43	570.745	353.715
load	N_1200160280	constant_power_A_real	1141.49	0.0	570.745	0.0
load	N_1200160280	constant_power_B_real	1141.49	0.0	570.745	0.0
load	N_1200160280	constant_power_C_real	1141.49	0.0	570.745	0.0
load	N_1200160280	constant_power_A_reac	707.43	0.0	353.715	0.0
load	N_1200160280	constant_power_B_reac	707.43	0.0	353.715	0.0
load	N_1200160280	constant_power_C_reac	707.43	0.0	353.715	0.0
load	N_1200129848	constant_power_A	2462.03	1448.59	1231.015	724.295
load	N_1200129848	constant_power_B	2462.03	1448.59	1231.015	724.295
load	N_1200129848	constant_power_C	2462.03	1448.59	1231.015	724.295
load	N_1200129848	constant_power_A_real	2462.03	0.0	1231.015	0.0
load	N_1200129848	constant_power_B_real	2462.03	0.0	1231.015	0.0
load	N_1200129848	constant_power_C_real	2462.03	0.0	1231.015	0.0
load	N_1200129848	constant_power_A_reac	1448.59	0.0	724.295	0.0
load	N_1200129848	constant_power_B_reac	1448.59	0.0	724.295	0.0
load	N_1200129848	constant_power_C_reac	1448.59	0.0	724.295	0.0
load	N_1200130052	constant_power_A	2919.27	959.516	1459.635	479.758
load	N_1200130052	constant_power_B	2919.27	959.516	1459.635	479.758
load	N_1200130052	constant_power_C	2919.27	959.516	1459.635	479.758
load	N_1200130052	constant_power_A_real	2919.27	0.0	1459.635	0.0
load	N_1200130052	constant_power_B_real	2919.27	0.0	1459.635	0.0
load	N_1200130052	constant_power_C_real	2919.27	0.0	1459.635	0.0
load	N_1200130052	constant_power_A_reac	959.516	0.0	479.758	0.0
load	N_1200130052	constant_power_B_reac	959.516	0.0	479.758	0.0
load	N_1200130052	constant_power_C_reac	959.516	0.0	479.758	0.0
load	N_1200088053	constant_power_A	4041.57	1328.4	2020.785	664.2
load	N_1200088053	constant_power_B	4041.57	1328.4	2020.785	664.2
load	N_1200088053	constant_power_C	4041.57	1328.4	2020.785	664.2
load	N_1200088053	constant_power_A_real	4041.57	0.0	2020.785	0.0
load	N_1200088053	constant_power_B_real	4041.57	0.0	2020.785	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200088053	constant_power_C_real	4041.57	0.0	2020.785	0.0
load	N_1200088053	constant_power_A_reac	1328.4	0.0	664.2	0.0
load	N_1200088053	constant_power_B_reac	1328.4	0.0	664.2	0.0
load	N_1200088053	constant_power_C_reac	1328.4	0.0	664.2	0.0
load	N_1200071849	constant_power_A	1029.58	638.075	514.79	319.0375
load	N_1200071849	constant_power_B	1029.58	638.075	514.79	319.0375
load	N_1200071849	constant_power_C	1029.58	638.075	514.79	319.0375
load	N_1200071849	constant_power_A_real	1029.58	0.0	514.79	0.0
load	N_1200071849	constant_power_B_real	1029.58	0.0	514.79	0.0
load	N_1200071849	constant_power_C_real	1029.58	0.0	514.79	0.0
load	N_1200071849	constant_power_A_reac	638.075	0.0	319.0375	0.0
load	N_1200071849	constant_power_B_reac	638.075	0.0	319.0375	0.0
load	N_1200071849	constant_power_C_reac	638.075	0.0	319.0375	0.0
load	N_1200018123	constant_power_A	4000.0	2478.98	2000.0	1239.49
load	N_1200018123	constant_power_B	4000.0	2478.98	2000.0	1239.49
load	N_1200018123	constant_power_C	4000.0	2478.98	2000.0	1239.49
load	N_1200018123	constant_power_A_real	4000.0	0.0	2000.0	0.0
load	N_1200018123	constant_power_B_real	4000.0	0.0	2000.0	0.0
load	N_1200018123	constant_power_C_real	4000.0	0.0	2000.0	0.0
load	N_1200018123	constant_power_A_reac	2478.98	0.0	1239.49	0.0
load	N_1200018123	constant_power_B_reac	2478.98	0.0	1239.49	0.0
load	N_1200018123	constant_power_C_reac	2478.98	0.0	1239.49	0.0
load	N_1200159525	constant_power_A	1793.77	589.582	896.885	294.791
load	N_1200159525	constant_power_B	1793.77	589.582	896.885	294.791
load	N_1200159525	constant_power_C	1793.77	589.582	896.885	294.791
load	N_1200159525	constant_power_A_real	1793.77	0.0	896.885	0.0
load	N_1200159525	constant_power_B_real	1793.77	0.0	896.885	0.0
load	N_1200159525	constant_power_C_real	1793.77	0.0	896.885	0.0
load	N_1200159525	constant_power_A_reac	589.582	0.0	294.791	0.0
load	N_1200159525	constant_power_B_reac	589.582	0.0	294.791	0.0
load	N_1200159525	constant_power_C_reac	589.582	0.0	294.791	0.0
load	N_1200018124	constant_power_A	95.9233	59.4479	47.96165	29.72395
load	N_1200018124	constant_power_B	95.9233	59.4479	47.96165	29.72395
load	N_1200018124	constant_power_C	95.9233	59.4479	47.96165	29.72395
load	N_1200018124	constant_power_A_real	95.9233	0.0	47.96165	0.0
load	N_1200018124	constant_power_B_real	95.9233	0.0	47.96165	0.0
load	N_1200018124	constant_power_C_real	95.9233	0.0	47.96165	0.0
load	N_1200018124	constant_power_A_reac	59.4479	0.0	29.72395	0.0
load	N_1200018124	constant_power_B_reac	59.4479	0.0	29.72395	0.0
load	N_1200018124	constant_power_C_reac	59.4479	0.0	29.72395	0.0
load	N_1200167141	constant_power_A	7466.03	3609.83	3733.015	1804.915
load	N_1200167141	constant_power_B	7466.03	3609.83	3733.015	1804.915
load	N_1200167141	constant_power_C	7466.03	3609.83	3733.015	1804.915
load	N_1200167141	constant_power_A_real	7466.03	0.0	3733.015	0.0
load	N_1200167141	constant_power_B_real	7466.03	0.0	3733.015	0.0
load	N_1200167141	constant_power_C_real	7466.03	0.0	3733.015	0.0
load	N_1200167141	constant_power_A_reac	3609.83	0.0	1804.915	0.0
load	N_1200167141	constant_power_B_reac	3609.83	0.0	1804.915	0.0
load	N_1200167141	constant_power_C_reac	3609.83	0.0	1804.915	0.0
load	N_1200090157	constant_power_A	879.297	289.011	439.6485	144.5055
load	N_1200090157	constant_power_B	879.297	289.011	439.6485	144.5055
load	N_1200090157	constant_power_C	879.297	289.011	439.6485	144.5055
load	N_1200090157	constant_power_A_real	879.297	0.0	439.6485	0.0
load	N_1200090157	constant_power_B_real	879.297	0.0	439.6485	0.0
load	N_1200090157	constant_power_C_real	879.297	0.0	439.6485	0.0
load	N_1200090157	constant_power_A_reac	289.011	0.0	144.5055	0.0
load	N_1200090157	constant_power_B_reac	289.011	0.0	144.5055	0.0
load	N_1200090157	constant_power_C_reac	289.011	0.0	144.5055	0.0
load	N_1200160224	constant_power_A	991.208	370.465	495.604	185.2325
load	N_1200160224	constant_power_B	991.208	370.465	495.604	185.2325
load	N_1200160224	constant_power_C	991.208	370.465	495.604	185.2325
load	N_1200160224	constant_power_A_real	991.208	0.0	495.604	0.0
load	N_1200160224	constant_power_B_real	991.208	0.0	495.604	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160224	constant_power_C_real	991.208	0.0	495.604	0.0
load	N_1200160224	constant_power_A_reac	370.465	0.0	185.2325	0.0
load	N_1200160224	constant_power_B_reac	370.465	0.0	185.2325	0.0
load	N_1200160224	constant_power_C_reac	370.465	0.0	185.2325	0.0
load	N_1200130069	constant_power_A	4786.57	2068.38	2393.285	1034.19
load	N_1200130069	constant_power_B	4786.57	2068.38	2393.285	1034.19
load	N_1200130069	constant_power_C	4786.57	2068.38	2393.285	1034.19
load	N_1200130069	constant_power_A_real	4786.57	0.0	2393.285	0.0
load	N_1200130069	constant_power_B_real	4786.57	0.0	2393.285	0.0
load	N_1200130069	constant_power_C_real	4786.57	0.0	2393.285	0.0
load	N_1200130069	constant_power_A_reac	2068.38	0.0	1034.19	0.0
load	N_1200130069	constant_power_B_reac	2068.38	0.0	1034.19	0.0
load	N_1200130069	constant_power_C_reac	2068.38	0.0	1034.19	0.0
load	N_1200130055	constant_power_A	1349.32	443.5	674.66	221.75
load	N_1200130055	constant_power_B	1349.32	443.5	674.66	221.75
load	N_1200130055	constant_power_C	1349.32	443.5	674.66	221.75
load	N_1200130055	constant_power_A_real	1349.32	0.0	674.66	0.0
load	N_1200130055	constant_power_B_real	1349.32	0.0	674.66	0.0
load	N_1200130055	constant_power_C_real	1349.32	0.0	674.66	0.0
load	N_1200130055	constant_power_A_reac	443.5	0.0	221.75	0.0
load	N_1200130055	constant_power_B_reac	443.5	0.0	221.75	0.0
load	N_1200130055	constant_power_C_reac	443.5	0.0	221.75	0.0
load	N_1200470233	constant_power_A	65000.0	40283.4	32500.0	20141.7
load	N_1200470233	constant_power_B	65000.0	40283.4	32500.0	20141.7
load	N_1200470233	constant_power_C	65000.0	40283.4	32500.0	20141.7
load	N_1200470233	constant_power_A_real	65000.0	0.0	32500.0	0.0
load	N_1200470233	constant_power_B_real	65000.0	0.0	32500.0	0.0
load	N_1200470233	constant_power_C_real	65000.0	0.0	32500.0	0.0
load	N_1200470233	constant_power_A_reac	40283.4	0.0	20141.7	0.0
load	N_1200470233	constant_power_B_reac	40283.4	0.0	20141.7	0.0
load	N_1200470233	constant_power_C_reac	40283.4	0.0	20141.7	0.0
load	N_1200074263	constant_power_A	34695.5	11403.8	17347.75	5701.9
load	N_1200074263	constant_power_B	34695.5	11403.8	17347.75	5701.9
load	N_1200074263	constant_power_A_real	34695.5	0.0	17347.75	0.0
load	N_1200074263	constant_power_B_real	34695.5	0.0	17347.75	0.0
load	N_1200074263	constant_power_A_reac	11403.8	0.0	5701.9	0.0
load	N_1200074263	constant_power_B_reac	11403.8	0.0	5701.9	0.0
load	N_1200071845	constant_power_A	188.649	116.914	94.3245	58.457
load	N_1200071845	constant_power_B	188.649	116.914	94.3245	58.457
load	N_1200071845	constant_power_C	188.649	116.914	94.3245	58.457
load	N_1200071845	constant_power_A_real	188.649	0.0	94.3245	0.0
load	N_1200071845	constant_power_B_real	188.649	0.0	94.3245	0.0
load	N_1200071845	constant_power_C_real	188.649	0.0	94.3245	0.0
load	N_1200071845	constant_power_A_reac	116.914	0.0	58.457	0.0
load	N_1200071845	constant_power_B_reac	116.914	0.0	58.457	0.0
load	N_1200071845	constant_power_C_reac	116.914	0.0	58.457	0.0
load	N_1200071846	constant_power_A	454.037	168.778	227.0185	84.389
load	N_1200071846	constant_power_B	454.037	168.778	227.0185	84.389
load	N_1200071846	constant_power_C	454.037	168.778	227.0185	84.389
load	N_1200071846	constant_power_A_real	454.037	0.0	227.0185	0.0
load	N_1200071846	constant_power_B_real	454.037	0.0	227.0185	0.0
load	N_1200071846	constant_power_C_real	454.037	0.0	227.0185	0.0
load	N_1200071846	constant_power_A_reac	168.778	0.0	84.389	0.0
load	N_1200071846	constant_power_B_reac	168.778	0.0	84.389	0.0
load	N_1200071846	constant_power_C_reac	168.778	0.0	84.389	0.0
load	N_1200130054	constant_power_A	3488.41	1311.31	1744.205	655.655
load	N_1200130054	constant_power_B	3488.41	1311.31	1744.205	655.655
load	N_1200130054	constant_power_C	3488.41	1311.31	1744.205	655.655
load	N_1200130054	constant_power_A_real	3488.41	0.0	1744.205	0.0
load	N_1200130054	constant_power_B_real	3488.41	0.0	1744.205	0.0
load	N_1200130054	constant_power_C_real	3488.41	0.0	1744.205	0.0
load	N_1200130054	constant_power_A_reac	1311.31	0.0	655.655	0.0
load	N_1200130054	constant_power_B_reac	1311.31	0.0	655.655	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130054	constant_power_C_reac	1311.31	0.0	655.655	0.0
load	N_1200071840	constant_power_A	3043.97	1170.81	1521.985	585.405
load	N_1200071840	constant_power_B	3043.97	1170.81	1521.985	585.405
load	N_1200071840	constant_power_C	3043.97	1170.81	1521.985	585.405
load	N_1200071840	constant_power_A_real	3043.97	0.0	1521.985	0.0
load	N_1200071840	constant_power_B_real	3043.97	0.0	1521.985	0.0
load	N_1200071840	constant_power_C_real	3043.97	0.0	1521.985	0.0
load	N_1200071840	constant_power_A_reac	1170.81	0.0	585.405	0.0
load	N_1200071840	constant_power_B_reac	1170.81	0.0	585.405	0.0
load	N_1200071840	constant_power_C_reac	1170.81	0.0	585.405	0.0
load	N_1200071841	constant_power_A	454.037	149.235	227.0185	74.6175
load	N_1200071841	constant_power_B	454.037	149.235	227.0185	74.6175
load	N_1200071841	constant_power_C	454.037	149.235	227.0185	74.6175
load	N_1200071841	constant_power_A_real	454.037	0.0	227.0185	0.0
load	N_1200071841	constant_power_B_real	454.037	0.0	227.0185	0.0
load	N_1200071841	constant_power_C_real	454.037	0.0	227.0185	0.0
load	N_1200071841	constant_power_A_reac	149.235	0.0	74.6175	0.0
load	N_1200071841	constant_power_B_reac	149.235	0.0	74.6175	0.0
load	N_1200071841	constant_power_C_reac	149.235	0.0	74.6175	0.0
load	N_1200091936	constant_power_A	1326.94	436.144	663.47	218.072
load	N_1200091936	constant_power_B	1326.94	436.144	663.47	218.072
load	N_1200091936	constant_power_C	1326.94	436.144	663.47	218.072
load	N_1200091936	constant_power_A_real	1326.94	0.0	663.47	0.0
load	N_1200091936	constant_power_B_real	1326.94	0.0	663.47	0.0
load	N_1200091936	constant_power_C_real	1326.94	0.0	663.47	0.0
load	N_1200091936	constant_power_A_reac	436.144	0.0	218.072	0.0
load	N_1200091936	constant_power_B_reac	436.144	0.0	218.072	0.0
load	N_1200091936	constant_power_C_reac	436.144	0.0	218.072	0.0
load	N_1200110200	constant_power_A	329.337	204.105	164.6685	102.0525
load	N_1200110200	constant_power_B	329.337	204.105	164.6685	102.0525
load	N_1200110200	constant_power_C	329.337	204.105	164.6685	102.0525
load	N_1200110200	constant_power_A_real	329.337	0.0	164.6685	0.0
load	N_1200110200	constant_power_B_real	329.337	0.0	164.6685	0.0
load	N_1200110200	constant_power_C_real	329.337	0.0	164.6685	0.0
load	N_1200110200	constant_power_A_reac	204.105	0.0	102.0525	0.0
load	N_1200110200	constant_power_B_reac	204.105	0.0	102.0525	0.0
load	N_1200110200	constant_power_C_reac	204.105	0.0	102.0525	0.0
load	N_1200174561	constant_power_A	27314.2	9023.8	13657.1	4511.9
load	N_1200174561	constant_power_B	27314.2	9023.8	13657.1	4511.9
load	N_1200174561	constant_power_A_real	27314.2	0.0	13657.1	0.0
load	N_1200174561	constant_power_B_real	27314.2	0.0	13657.1	0.0
load	N_1200174561	constant_power_A_reac	9023.8	0.0	4511.9	0.0
load	N_1200174561	constant_power_B_reac	9023.8	0.0	4511.9	0.0
load	N_1200159418	constant_power_A	2412.47	792.941	1206.235	396.4705
load	N_1200159418	constant_power_B	2412.47	792.941	1206.235	396.4705
load	N_1200159418	constant_power_A_real	2412.47	0.0	1206.235	0.0
load	N_1200159418	constant_power_B_real	2412.47	0.0	1206.235	0.0
load	N_1200159418	constant_power_A_reac	792.941	0.0	396.4705	0.0
load	N_1200159418	constant_power_B_reac	792.941	0.0	396.4705	0.0
load	N_1200159444	constant_power_A	639.489	396.319	319.7445	198.1595
load	N_1200159444	constant_power_B	639.489	396.319	319.7445	198.1595
load	N_1200159444	constant_power_C	639.489	396.319	319.7445	198.1595
load	N_1200159444	constant_power_A_real	639.489	0.0	319.7445	0.0
load	N_1200159444	constant_power_B_real	639.489	0.0	319.7445	0.0
load	N_1200159444	constant_power_C_real	639.489	0.0	319.7445	0.0
load	N_1200159444	constant_power_A_reac	396.319	0.0	198.1595	0.0
load	N_1200159444	constant_power_B_reac	396.319	0.0	198.1595	0.0
load	N_1200159444	constant_power_C_reac	396.319	0.0	198.1595	0.0
load	N_1200159416	constant_power_A	1518.79	499.201	759.395	249.6005
load	N_1200159416	constant_power_B	1518.79	499.201	759.395	249.6005
load	N_1200159416	constant_power_C	1518.79	499.201	759.395	249.6005
load	N_1200159416	constant_power_A_real	1518.79	0.0	759.395	0.0
load	N_1200159416	constant_power_B_real	1518.79	0.0	759.395	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159416	constant_power_C_real	1518.79	0.0	759.395	0.0
load	N_1200159416	constant_power_A_reac	499.201	0.0	249.6005	0.0
load	N_1200159416	constant_power_B_reac	499.201	0.0	249.6005	0.0
load	N_1200159416	constant_power_C_reac	499.201	0.0	249.6005	0.0
load	N_1200111328	constant_power_A	12786.6	4202.74	6393.3	2101.37
load	N_1200111328	constant_power_B	12786.6	4202.74	6393.3	2101.37
load	N_1200111328	constant_power_A_real	12786.6	0.0	6393.3	0.0
load	N_1200111328	constant_power_B_real	12786.6	0.0	6393.3	0.0
load	N_1200111328	constant_power_A_reac	4202.74	0.0	2101.37	0.0
load	N_1200111328	constant_power_B_reac	4202.74	0.0	2101.37	0.0
load	N_1200174560	constant_power_A	14618.7	4915.22	7309.35	2457.61
load	N_1200174560	constant_power_B	14618.7	4915.22	7309.35	2457.61
load	N_1200174560	constant_power_A_real	14618.7	0.0	7309.35	0.0
load	N_1200174560	constant_power_B_real	14618.7	0.0	7309.35	0.0
load	N_1200174560	constant_power_A_reac	4915.22	0.0	2457.61	0.0
load	N_1200174560	constant_power_B_reac	4915.22	0.0	2457.61	0.0
load	N_1200159412	constant_power_A	3622.7	1190.73	1811.35	595.365
load	N_1200159412	constant_power_B	3622.7	1190.73	1811.35	595.365
load	N_1200159412	constant_power_C	3622.7	1190.73	1811.35	595.365
load	N_1200159412	constant_power_A_real	3622.7	0.0	1811.35	0.0
load	N_1200159412	constant_power_B_real	3622.7	0.0	1811.35	0.0
load	N_1200159412	constant_power_C_real	3622.7	0.0	1811.35	0.0
load	N_1200159412	constant_power_A_reac	1190.73	0.0	595.365	0.0
load	N_1200159412	constant_power_B_reac	1190.73	0.0	595.365	0.0
load	N_1200159412	constant_power_C_reac	1190.73	0.0	595.365	0.0
load	N_1200159411	constant_power_A	1886.49	1169.14	943.245	584.57
load	N_1200159411	constant_power_B	1886.49	1169.14	943.245	584.57
load	N_1200159411	constant_power_C	1886.49	1169.14	943.245	584.57
load	N_1200159411	constant_power_A_real	1886.49	0.0	943.245	0.0
load	N_1200159411	constant_power_B_real	1886.49	0.0	943.245	0.0
load	N_1200159411	constant_power_C_real	1886.49	0.0	943.245	0.0
load	N_1200159411	constant_power_A_reac	1169.14	0.0	584.57	0.0
load	N_1200159411	constant_power_B_reac	1169.14	0.0	584.57	0.0
load	N_1200159411	constant_power_C_reac	1169.14	0.0	584.57	0.0
load	N_1200130242	constant_power_A	3622.7	2040.41	1811.35	1020.205
load	N_1200130242	constant_power_B	3622.7	2040.41	1811.35	1020.205
load	N_1200130242	constant_power_C	3622.7	2040.41	1811.35	1020.205
load	N_1200130242	constant_power_A_real	3622.7	0.0	1811.35	0.0
load	N_1200130242	constant_power_B_real	3622.7	0.0	1811.35	0.0
load	N_1200130242	constant_power_C_real	3622.7	0.0	1811.35	0.0
load	N_1200130242	constant_power_A_reac	2040.41	0.0	1020.205	0.0
load	N_1200130242	constant_power_B_reac	2040.41	0.0	1020.205	0.0
load	N_1200130242	constant_power_C_reac	2040.41	0.0	1020.205	0.0
load	N_1200130243	constant_power_A	6941.65	4302.05	3470.825	2151.025
load	N_1200130243	constant_power_B	6941.65	4302.05	3470.825	2151.025
load	N_1200130243	constant_power_C	6941.65	4302.05	3470.825	2151.025
load	N_1200130243	constant_power_A_real	6941.65	0.0	3470.825	0.0
load	N_1200130243	constant_power_B_real	6941.65	0.0	3470.825	0.0
load	N_1200130243	constant_power_C_real	6941.65	0.0	3470.825	0.0
load	N_1200130243	constant_power_A_reac	4302.05	0.0	2151.025	0.0
load	N_1200130243	constant_power_B_reac	4302.05	0.0	2151.025	0.0
load	N_1200130243	constant_power_C_reac	4302.05	0.0	2151.025	0.0
load	N_1200160160	constant_power_A	2043.17	671.556	1021.585	335.778
load	N_1200160160	constant_power_B	2043.17	671.556	1021.585	335.778
load	N_1200160160	constant_power_C	2043.17	671.556	1021.585	335.778
load	N_1200160160	constant_power_A_real	2043.17	0.0	1021.585	0.0
load	N_1200160160	constant_power_B_real	2043.17	0.0	1021.585	0.0
load	N_1200160160	constant_power_C_real	2043.17	0.0	1021.585	0.0
load	N_1200160160	constant_power_A_reac	671.556	0.0	335.778	0.0
load	N_1200160160	constant_power_B_reac	671.556	0.0	335.778	0.0
load	N_1200160160	constant_power_C_reac	671.556	0.0	335.778	0.0
load	N_1200160161	constant_power_A	1000.8	328.947	500.4	164.4735
load	N_1200160161	constant_power_B	1000.8	328.947	500.4	164.4735

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160161	constant_power_C	1000.8	328.947	500.4	164.4735
load	N_1200160161	constant_power_A_real	1000.8	0.0	500.4	0.0
load	N_1200160161	constant_power_B_real	1000.8	0.0	500.4	0.0
load	N_1200160161	constant_power_C_real	1000.8	0.0	500.4	0.0
load	N_1200160161	constant_power_A_reac	328.947	0.0	164.4735	0.0
load	N_1200160161	constant_power_B_reac	328.947	0.0	164.4735	0.0
load	N_1200160161	constant_power_C_reac	328.947	0.0	164.4735	0.0
load	N_1200160166	constant_power_A	940.049	308.979	470.0245	154.4895
load	N_1200160166	constant_power_B	940.049	308.979	470.0245	154.4895
load	N_1200160166	constant_power_C	940.049	308.979	470.0245	154.4895
load	N_1200160166	constant_power_A_real	940.049	0.0	470.0245	0.0
load	N_1200160166	constant_power_B_real	940.049	0.0	470.0245	0.0
load	N_1200160166	constant_power_C_real	940.049	0.0	470.0245	0.0
load	N_1200160166	constant_power_A_reac	308.979	0.0	154.4895	0.0
load	N_1200160166	constant_power_B_reac	308.979	0.0	154.4895	0.0
load	N_1200160166	constant_power_C_reac	308.979	0.0	154.4895	0.0
load	N_1200159355	constant_power_A	2337.33	1448.55	1168.665	724.275
load	N_1200159355	constant_power_B	2337.33	1448.55	1168.665	724.275
load	N_1200159355	constant_power_C	2337.33	1448.55	1168.665	724.275
load	N_1200159355	constant_power_A_real	2337.33	0.0	1168.665	0.0
load	N_1200159355	constant_power_B_real	2337.33	0.0	1168.665	0.0
load	N_1200159355	constant_power_C_real	2337.33	0.0	1168.665	0.0
load	N_1200159355	constant_power_A_reac	1448.55	0.0	724.275	0.0
load	N_1200159355	constant_power_B_reac	1448.55	0.0	724.275	0.0
load	N_1200159355	constant_power_C_reac	1448.55	0.0	724.275	0.0
load	N_1200160164	constant_power_A	1416.47	877.848	708.235	438.924
load	N_1200160164	constant_power_B	1416.47	877.848	708.235	438.924
load	N_1200160164	constant_power_C	1416.47	877.848	708.235	438.924
load	N_1200160164	constant_power_A_real	1416.47	0.0	708.235	0.0
load	N_1200160164	constant_power_B_real	1416.47	0.0	708.235	0.0
load	N_1200160164	constant_power_C_real	1416.47	0.0	708.235	0.0
load	N_1200160164	constant_power_A_reac	877.848	0.0	438.924	0.0
load	N_1200160164	constant_power_B_reac	877.848	0.0	438.924	0.0
load	N_1200160164	constant_power_C_reac	877.848	0.0	438.924	0.0
load	N_1200160165	constant_power_A	2282.97	750.378	1141.485	375.189
load	N_1200160165	constant_power_B	2282.97	750.378	1141.485	375.189
load	N_1200160165	constant_power_C	2282.97	750.378	1141.485	375.189
load	N_1200160165	constant_power_A_real	2282.97	0.0	1141.485	0.0
load	N_1200160165	constant_power_B_real	2282.97	0.0	1141.485	0.0
load	N_1200160165	constant_power_C_real	2282.97	0.0	1141.485	0.0
load	N_1200160165	constant_power_A_reac	750.378	0.0	375.189	0.0
load	N_1200160165	constant_power_B_reac	750.378	0.0	375.189	0.0
load	N_1200160165	constant_power_C_reac	750.378	0.0	375.189	0.0
load	N_1200159387	constant_power_A	1902.48	1179.05	951.24	589.525
load	N_1200159387	constant_power_B	1902.48	1179.05	951.24	589.525
load	N_1200159387	constant_power_C	1902.48	1179.05	951.24	589.525
load	N_1200159387	constant_power_A_real	1902.48	0.0	951.24	0.0
load	N_1200159387	constant_power_B_real	1902.48	0.0	951.24	0.0
load	N_1200159387	constant_power_C_real	1902.48	0.0	951.24	0.0
load	N_1200159387	constant_power_A_reac	1179.05	0.0	589.525	0.0
load	N_1200159387	constant_power_B_reac	1179.05	0.0	589.525	0.0
load	N_1200159387	constant_power_C_reac	1179.05	0.0	589.525	0.0
load	N_1200159384	constant_power_A	4140.69	2566.17	2070.345	1283.085
load	N_1200159384	constant_power_B	4140.69	2566.17	2070.345	1283.085
load	N_1200159384	constant_power_C	4140.69	2566.17	2070.345	1283.085
load	N_1200159384	constant_power_A_real	4140.69	0.0	2070.345	0.0
load	N_1200159384	constant_power_B_real	4140.69	0.0	2070.345	0.0
load	N_1200159384	constant_power_C_real	4140.69	0.0	2070.345	0.0
load	N_1200159384	constant_power_A_reac	2566.17	0.0	1283.085	0.0
load	N_1200159384	constant_power_B_reac	2566.17	0.0	1283.085	0.0
load	N_1200159384	constant_power_C_reac	2566.17	0.0	1283.085	0.0
load	N_1200099734	constant_power_A	21213.4	6972.52	10606.7	3486.26
load	N_1200099734	constant_power_B	21213.4	6972.52	10606.7	3486.26

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200099734	constant_power_A_real	21213.4	0.0	10606.7	0.0
load	N_1200099734	constant_power_B_real	21213.4	0.0	10606.7	0.0
load	N_1200099734	constant_power_A_reac	6972.52	0.0	3486.26	0.0
load	N_1200099734	constant_power_B_reac	6972.52	0.0	3486.26	0.0
load	N_1200099736	constant_power_A	19841.7	6521.66	9920.85	3260.83
load	N_1200099736	constant_power_B	19841.7	6521.66	9920.85	3260.83
load	N_1200099736	constant_power_A_real	19841.7	0.0	9920.85	0.0
load	N_1200099736	constant_power_B_real	19841.7	0.0	9920.85	0.0
load	N_1200099736	constant_power_A_reac	6521.66	0.0	3260.83	0.0
load	N_1200099736	constant_power_B_reac	6521.66	0.0	3260.83	0.0
load	N_1200099737	constant_power_A	25664.3	8435.44	12832.15	4217.72
load	N_1200099737	constant_power_B	25664.3	8435.44	12832.15	4217.72
load	N_1200099737	constant_power_A_real	25664.3	0.0	12832.15	0.0
load	N_1200099737	constant_power_B_real	25664.3	0.0	12832.15	0.0
load	N_1200099737	constant_power_A_reac	8435.44	0.0	4217.72	0.0
load	N_1200099737	constant_power_B_reac	8435.44	0.0	4217.72	0.0
load	N_1200099731	constant_power_A	22297.4	7328.79	11148.7	3664.395
load	N_1200099731	constant_power_B	22297.4	7328.79	11148.7	3664.395
load	N_1200099731	constant_power_A_real	22297.4	0.0	11148.7	0.0
load	N_1200099731	constant_power_B_real	22297.4	0.0	11148.7	0.0
load	N_1200099731	constant_power_A_reac	7328.79	0.0	3664.395	0.0
load	N_1200099731	constant_power_B_reac	7328.79	0.0	3664.395	0.0
load	N_1200471357	constant_power_A	64000.0	39663.6	32000.0	19831.8
load	N_1200471357	constant_power_B	64000.0	39663.6	32000.0	19831.8
load	N_1200471357	constant_power_C	64000.0	39663.6	32000.0	19831.8
load	N_1200471357	constant_power_A_real	64000.0	0.0	32000.0	0.0
load	N_1200471357	constant_power_B_real	64000.0	0.0	32000.0	0.0
load	N_1200471357	constant_power_C_real	64000.0	0.0	32000.0	0.0
load	N_1200471357	constant_power_A_reac	39663.6	0.0	19831.8	0.0
load	N_1200471357	constant_power_B_reac	39663.6	0.0	19831.8	0.0
load	N_1200471357	constant_power_C_reac	39663.6	0.0	19831.8	0.0
load	N_1200099738	constant_power_A	23122.3	7599.94	11561.15	3799.97
load	N_1200099738	constant_power_B	23122.3	7599.94	11561.15	3799.97
load	N_1200099738	constant_power_A_real	23122.3	0.0	11561.15	0.0
load	N_1200099738	constant_power_B_real	23122.3	0.0	11561.15	0.0
load	N_1200099738	constant_power_A_reac	7599.94	0.0	3799.97	0.0
load	N_1200099738	constant_power_B_reac	7599.94	0.0	3799.97	0.0
load	N_1200501492	constant_power_A	1138.29	374.138	569.145	187.069
load	N_1200501492	constant_power_B	1138.29	374.138	569.145	187.069
load	N_1200501492	constant_power_C	1138.29	374.138	569.145	187.069
load	N_1200501492	constant_power_A_real	1138.29	0.0	569.145	0.0
load	N_1200501492	constant_power_B_real	1138.29	0.0	569.145	0.0
load	N_1200501492	constant_power_C_real	1138.29	0.0	569.145	0.0
load	N_1200501492	constant_power_A_reac	374.138	0.0	187.069	0.0
load	N_1200501492	constant_power_B_reac	374.138	0.0	187.069	0.0
load	N_1200501492	constant_power_C_reac	374.138	0.0	187.069	0.0
load	N_1200109762	constant_power_A	2746.6	902.765	1373.3	451.3825
load	N_1200109762	constant_power_B	2746.6	902.765	1373.3	451.3825
load	N_1200109762	constant_power_C	2746.6	902.765	1373.3	451.3825
load	N_1200109762	constant_power_A_real	2746.6	0.0	1373.3	0.0
load	N_1200109762	constant_power_B_real	2746.6	0.0	1373.3	0.0
load	N_1200109762	constant_power_C_real	2746.6	0.0	1373.3	0.0
load	N_1200109762	constant_power_A_reac	902.765	0.0	451.3825	0.0
load	N_1200109762	constant_power_B_reac	902.765	0.0	451.3825	0.0
load	N_1200109762	constant_power_C_reac	902.765	0.0	451.3825	0.0
load	N_1200166576	constant_power_A	2062.35	867.714	1031.175	433.857
load	N_1200166576	constant_power_B	2062.35	867.714	1031.175	433.857
load	N_1200166576	constant_power_C	2062.35	867.714	1031.175	433.857
load	N_1200166576	constant_power_A_real	2062.35	0.0	1031.175	0.0
load	N_1200166576	constant_power_B_real	2062.35	0.0	1031.175	0.0
load	N_1200166576	constant_power_C_real	2062.35	0.0	1031.175	0.0
load	N_1200166576	constant_power_A_reac	867.714	0.0	433.857	0.0
load	N_1200166576	constant_power_B_reac	867.714	0.0	433.857	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166576	constant_power_C_reac	867.714	0.0	433.857	0.0
load	N_1200167138	constant_power_A	7651.48	4741.96	3825.74	2370.98
load	N_1200167138	constant_power_B	7651.48	4741.96	3825.74	2370.98
load	N_1200167138	constant_power_C	7651.48	4741.96	3825.74	2370.98
load	N_1200167138	constant_power_A_real	7651.48	0.0	3825.74	0.0
load	N_1200167138	constant_power_B_real	7651.48	0.0	3825.74	0.0
load	N_1200167138	constant_power_C_real	7651.48	0.0	3825.74	0.0
load	N_1200167138	constant_power_A_reac	4741.96	0.0	2370.98	0.0
load	N_1200167138	constant_power_B_reac	4741.96	0.0	2370.98	0.0
load	N_1200167138	constant_power_C_reac	4741.96	0.0	2370.98	0.0
load	N_1200030199	constant_power_A	770.584	253.279	385.292	126.6395
load	N_1200030199	constant_power_B	770.584	253.279	385.292	126.6395
load	N_1200030199	constant_power_C	770.584	253.279	385.292	126.6395
load	N_1200030199	constant_power_A_real	770.584	0.0	385.292	0.0
load	N_1200030199	constant_power_B_real	770.584	0.0	385.292	0.0
load	N_1200030199	constant_power_C_real	770.584	0.0	385.292	0.0
load	N_1200030199	constant_power_A_reac	253.279	0.0	126.6395	0.0
load	N_1200030199	constant_power_B_reac	253.279	0.0	126.6395	0.0
load	N_1200030199	constant_power_C_reac	253.279	0.0	126.6395	0.0
load	N_1200130293	constant_power_A	1000.8	328.947	500.4	164.4735
load	N_1200130293	constant_power_B	1000.8	328.947	500.4	164.4735
load	N_1200130293	constant_power_C	1000.8	328.947	500.4	164.4735
load	N_1200130293	constant_power_A_real	1000.8	0.0	500.4	0.0
load	N_1200130293	constant_power_B_real	1000.8	0.0	500.4	0.0
load	N_1200130293	constant_power_C_real	1000.8	0.0	500.4	0.0
load	N_1200130293	constant_power_A_reac	328.947	0.0	164.4735	0.0
load	N_1200130293	constant_power_B_reac	328.947	0.0	164.4735	0.0
load	N_1200130293	constant_power_C_reac	328.947	0.0	164.4735	0.0
load	N_1200110201	constant_power_A	549.96	180.763	274.98	90.3815
load	N_1200110201	constant_power_B	549.96	180.763	274.98	90.3815
load	N_1200110201	constant_power_C	549.96	180.763	274.98	90.3815
load	N_1200110201	constant_power_A_real	549.96	0.0	274.98	0.0
load	N_1200110201	constant_power_B_real	549.96	0.0	274.98	0.0
load	N_1200110201	constant_power_C_real	549.96	0.0	274.98	0.0
load	N_1200110201	constant_power_A_reac	180.763	0.0	90.3815	0.0
load	N_1200110201	constant_power_B_reac	180.763	0.0	90.3815	0.0
load	N_1200110201	constant_power_C_reac	180.763	0.0	90.3815	0.0
load	N_1200130084	constant_power_A	470.024	291.295	235.012	145.6475
load	N_1200130084	constant_power_B	470.024	291.295	235.012	145.6475
load	N_1200130084	constant_power_C	470.024	291.295	235.012	145.6475
load	N_1200130084	constant_power_A_real	470.024	0.0	235.012	0.0
load	N_1200130084	constant_power_B_real	470.024	0.0	235.012	0.0
load	N_1200130084	constant_power_C_real	470.024	0.0	235.012	0.0
load	N_1200130084	constant_power_A_reac	291.295	0.0	145.6475	0.0
load	N_1200130084	constant_power_B_reac	291.295	0.0	145.6475	0.0
load	N_1200130084	constant_power_C_reac	291.295	0.0	145.6475	0.0
load	N_1200129917	constant_power_A	3120.71	1025.73	1560.355	512.865
load	N_1200129917	constant_power_B	3120.71	1025.73	1560.355	512.865
load	N_1200129917	constant_power_C	3120.71	1025.73	1560.355	512.865
load	N_1200129917	constant_power_A_real	3120.71	0.0	1560.355	0.0
load	N_1200129917	constant_power_B_real	3120.71	0.0	1560.355	0.0
load	N_1200129917	constant_power_C_real	3120.71	0.0	1560.355	0.0
load	N_1200129917	constant_power_A_reac	1025.73	0.0	512.865	0.0
load	N_1200129917	constant_power_B_reac	1025.73	0.0	512.865	0.0
load	N_1200129917	constant_power_C_reac	1025.73	0.0	512.865	0.0
load	N_1200110202	constant_power_A	965.628	317.387	482.814	158.6935
load	N_1200110202	constant_power_B	965.628	317.387	482.814	158.6935
load	N_1200110202	constant_power_C	965.628	317.387	482.814	158.6935
load	N_1200110202	constant_power_A_real	965.628	0.0	482.814	0.0
load	N_1200110202	constant_power_B_real	965.628	0.0	482.814	0.0
load	N_1200110202	constant_power_C_real	965.628	0.0	482.814	0.0
load	N_1200110202	constant_power_A_reac	317.387	0.0	158.6935	0.0
load	N_1200110202	constant_power_B_reac	317.387	0.0	158.6935	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200110202	constant_power_C_reac	317.387	0.0	158.6935	0.0
load	N_1200160222	constant_power_A	508.394	315.074	254.197	157.537
load	N_1200160222	constant_power_B	508.394	315.074	254.197	157.537
load	N_1200160222	constant_power_C	508.394	315.074	254.197	157.537
load	N_1200160222	constant_power_A_real	508.394	0.0	254.197	0.0
load	N_1200160222	constant_power_B_real	508.394	0.0	254.197	0.0
load	N_1200160222	constant_power_C_real	508.394	0.0	254.197	0.0
load	N_1200160222	constant_power_A_reac	315.074	0.0	157.537	0.0
load	N_1200160222	constant_power_B_reac	315.074	0.0	157.537	0.0
load	N_1200160222	constant_power_C_reac	315.074	0.0	157.537	0.0
load	N_1200160176	constant_power_A	38.3693	12.6114	19.18465	6.3057
load	N_1200160176	constant_power_B	38.3693	12.6114	19.18465	6.3057
load	N_1200160176	constant_power_C	38.3693	12.6114	19.18465	6.3057
load	N_1200160176	constant_power_A_real	38.3693	0.0	19.18465	0.0
load	N_1200160176	constant_power_B_real	38.3693	0.0	19.18465	0.0
load	N_1200160176	constant_power_C_real	38.3693	0.0	19.18465	0.0
load	N_1200160176	constant_power_A_reac	12.6114	0.0	6.3057	0.0
load	N_1200160176	constant_power_B_reac	12.6114	0.0	6.3057	0.0
load	N_1200160176	constant_power_C_reac	12.6114	0.0	6.3057	0.0
load	N_1200130295	constant_power_A	4003.2	1638.72	2001.6	819.36
load	N_1200130295	constant_power_B	4003.2	1638.72	2001.6	819.36
load	N_1200130295	constant_power_C	4003.2	1638.72	2001.6	819.36
load	N_1200130295	constant_power_A_real	4003.2	0.0	2001.6	0.0
load	N_1200130295	constant_power_B_real	4003.2	0.0	2001.6	0.0
load	N_1200130295	constant_power_C_real	4003.2	0.0	2001.6	0.0
load	N_1200130295	constant_power_A_reac	1638.72	0.0	819.36	0.0
load	N_1200130295	constant_power_B_reac	1638.72	0.0	819.36	0.0
load	N_1200130295	constant_power_C_reac	1638.72	0.0	819.36	0.0
load	N_1200130424	constant_power_A	1253.4	411.972	626.7	205.986
load	N_1200130424	constant_power_B	1253.4	411.972	626.7	205.986
load	N_1200130424	constant_power_C	1253.4	411.972	626.7	205.986
load	N_1200130424	constant_power_A_real	1253.4	0.0	626.7	0.0
load	N_1200130424	constant_power_B_real	1253.4	0.0	626.7	0.0
load	N_1200130424	constant_power_C_real	1253.4	0.0	626.7	0.0
load	N_1200130424	constant_power_A_reac	411.972	0.0	205.986	0.0
load	N_1200130424	constant_power_B_reac	411.972	0.0	205.986	0.0
load	N_1200130424	constant_power_C_reac	411.972	0.0	205.986	0.0
load	N_1200159419	constant_power_A	1429.26	885.774	714.63	442.887
load	N_1200159419	constant_power_B	1429.26	885.774	714.63	442.887
load	N_1200159419	constant_power_C	1429.26	885.774	714.63	442.887
load	N_1200159419	constant_power_A_real	1429.26	0.0	714.63	0.0
load	N_1200159419	constant_power_B_real	1429.26	0.0	714.63	0.0
load	N_1200159419	constant_power_C_real	1429.26	0.0	714.63	0.0
load	N_1200159419	constant_power_A_reac	885.774	0.0	442.887	0.0
load	N_1200159419	constant_power_B_reac	885.774	0.0	442.887	0.0
load	N_1200159419	constant_power_C_reac	885.774	0.0	442.887	0.0
load	N_1200083960	constant_power_A	370.903	229.865	185.4515	114.9325
load	N_1200083960	constant_power_B	370.903	229.865	185.4515	114.9325
load	N_1200083960	constant_power_C	370.903	229.865	185.4515	114.9325
load	N_1200083960	constant_power_A_real	370.903	0.0	185.4515	0.0
load	N_1200083960	constant_power_B_real	370.903	0.0	185.4515	0.0
load	N_1200083960	constant_power_C_real	370.903	0.0	185.4515	0.0
load	N_1200083960	constant_power_A_reac	229.865	0.0	114.9325	0.0
load	N_1200083960	constant_power_B_reac	229.865	0.0	114.9325	0.0
load	N_1200083960	constant_power_C_reac	229.865	0.0	114.9325	0.0
load	N_1200083961	constant_power_A	425.26	139.776	212.63	69.888
load	N_1200083961	constant_power_B	425.26	139.776	212.63	69.888
load	N_1200083961	constant_power_C	425.26	139.776	212.63	69.888
load	N_1200083961	constant_power_A_real	425.26	0.0	212.63	0.0
load	N_1200083961	constant_power_B_real	425.26	0.0	212.63	0.0
load	N_1200083961	constant_power_C_real	425.26	0.0	212.63	0.0
load	N_1200083961	constant_power_A_reac	139.776	0.0	69.888	0.0
load	N_1200083961	constant_power_B_reac	139.776	0.0	69.888	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200083961	constant_power_C_reac	139.776	0.0	69.888	0.0
load	N_1200130017	constant_power_A	1301.36	806.51	650.68	403.255
load	N_1200130017	constant_power_B	1301.36	806.51	650.68	403.255
load	N_1200130017	constant_power_C	1301.36	806.51	650.68	403.255
load	N_1200130017	constant_power_A_real	1301.36	0.0	650.68	0.0
load	N_1200130017	constant_power_B_real	1301.36	0.0	650.68	0.0
load	N_1200130017	constant_power_C_real	1301.36	0.0	650.68	0.0
load	N_1200130017	constant_power_A_reac	806.51	0.0	403.255	0.0
load	N_1200130017	constant_power_B_reac	806.51	0.0	403.255	0.0
load	N_1200130017	constant_power_C_reac	806.51	0.0	403.255	0.0
load	N_1200087980	constant_power_A	4514.79	2798.02	2257.395	1399.01
load	N_1200087980	constant_power_B	4514.79	2798.02	2257.395	1399.01
load	N_1200087980	constant_power_C	4514.79	2798.02	2257.395	1399.01
load	N_1200087980	constant_power_A_real	4514.79	0.0	2257.395	0.0
load	N_1200087980	constant_power_B_real	4514.79	0.0	2257.395	0.0
load	N_1200087980	constant_power_C_real	4514.79	0.0	2257.395	0.0
load	N_1200087980	constant_power_A_reac	2798.02	0.0	1399.01	0.0
load	N_1200087980	constant_power_B_reac	2798.02	0.0	1399.01	0.0
load	N_1200087980	constant_power_C_reac	2798.02	0.0	1399.01	0.0
load	N_1200130015	constant_power_A	1793.77	589.582	896.885	294.791
load	N_1200130015	constant_power_B	1793.77	589.582	896.885	294.791
load	N_1200130015	constant_power_A_real	1793.77	0.0	896.885	0.0
load	N_1200130015	constant_power_B_real	1793.77	0.0	896.885	0.0
load	N_1200130015	constant_power_A_reac	589.582	0.0	294.791	0.0
load	N_1200130015	constant_power_B_reac	589.582	0.0	294.791	0.0
load	N_1200160288	constant_power_A	335.732	110.35	167.866	55.175
load	N_1200160288	constant_power_B	335.732	110.35	167.866	55.175
load	N_1200160288	constant_power_C	335.732	110.35	167.866	55.175
load	N_1200160288	constant_power_A_real	335.732	0.0	167.866	0.0
load	N_1200160288	constant_power_B_real	335.732	0.0	167.866	0.0
load	N_1200160288	constant_power_C_real	335.732	0.0	167.866	0.0
load	N_1200160288	constant_power_A_reac	110.35	0.0	55.175	0.0
load	N_1200160288	constant_power_B_reac	110.35	0.0	55.175	0.0
load	N_1200160288	constant_power_C_reac	110.35	0.0	55.175	0.0
load	N_1200105516	constant_power_A	1880.1	748.249	940.05	374.1245
load	N_1200105516	constant_power_B	1880.1	748.249	940.05	374.1245
load	N_1200105516	constant_power_C	1880.1	748.249	940.05	374.1245
load	N_1200105516	constant_power_A_real	1880.1	0.0	940.05	0.0
load	N_1200105516	constant_power_B_real	1880.1	0.0	940.05	0.0
load	N_1200105516	constant_power_C_real	1880.1	0.0	940.05	0.0
load	N_1200105516	constant_power_A_reac	748.249	0.0	374.1245	0.0
load	N_1200105516	constant_power_B_reac	748.249	0.0	374.1245	0.0
load	N_1200105516	constant_power_C_reac	748.249	0.0	374.1245	0.0
load	N_1200159246	constant_power_A	230.216	142.675	115.108	71.3375
load	N_1200159246	constant_power_B	230.216	142.675	115.108	71.3375
load	N_1200159246	constant_power_C	230.216	142.675	115.108	71.3375
load	N_1200159246	constant_power_A_real	230.216	0.0	115.108	0.0
load	N_1200159246	constant_power_B_real	230.216	0.0	115.108	0.0
load	N_1200159246	constant_power_C_real	230.216	0.0	115.108	0.0
load	N_1200159246	constant_power_A_reac	142.675	0.0	71.3375	0.0
load	N_1200159246	constant_power_B_reac	142.675	0.0	71.3375	0.0
load	N_1200159246	constant_power_C_reac	142.675	0.0	71.3375	0.0
load	N_1200130011	constant_power_A	2599.52	1611.04	1299.76	805.52
load	N_1200130011	constant_power_B	2599.52	1611.04	1299.76	805.52
load	N_1200130011	constant_power_C	2599.52	1611.04	1299.76	805.52
load	N_1200130011	constant_power_A_real	2599.52	0.0	1299.76	0.0
load	N_1200130011	constant_power_B_real	2599.52	0.0	1299.76	0.0
load	N_1200130011	constant_power_C_real	2599.52	0.0	1299.76	0.0
load	N_1200130011	constant_power_A_reac	1611.04	0.0	805.52	0.0
load	N_1200130011	constant_power_B_reac	1611.04	0.0	805.52	0.0
load	N_1200130011	constant_power_C_reac	1611.04	0.0	805.52	0.0
load	N_1200130018	constant_power_A	1115.91	691.578	557.955	345.789
load	N_1200130018	constant_power_B	1115.91	691.578	557.955	345.789

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130018	constant_power_C	1115.91	691.578	557.955	345.789
load	N_1200130018	constant_power_A_real	1115.91	0.0	557.955	0.0
load	N_1200130018	constant_power_B_real	1115.91	0.0	557.955	0.0
load	N_1200130018	constant_power_C_real	1115.91	0.0	557.955	0.0
load	N_1200130018	constant_power_A_reac	691.578	0.0	345.789	0.0
load	N_1200130018	constant_power_B_reac	691.578	0.0	345.789	0.0
load	N_1200130018	constant_power_C_reac	691.578	0.0	345.789	0.0
load	N_1200159562	constant_power_A	4383.7	2716.77	2191.85	1358.385
load	N_1200159562	constant_power_B	4383.7	2716.77	2191.85	1358.385
load	N_1200159562	constant_power_C	4383.7	2716.77	2191.85	1358.385
load	N_1200159562	constant_power_A_real	4383.7	0.0	2191.85	0.0
load	N_1200159562	constant_power_B_real	4383.7	0.0	2191.85	0.0
load	N_1200159562	constant_power_C_real	4383.7	0.0	2191.85	0.0
load	N_1200159562	constant_power_A_reac	2716.77	0.0	1358.385	0.0
load	N_1200159562	constant_power_B_reac	2716.77	0.0	1358.385	0.0
load	N_1200159562	constant_power_C_reac	2716.77	0.0	1358.385	0.0
load	N_1200159563	constant_power_A	719.425	445.86	359.7125	222.93
load	N_1200159563	constant_power_B	719.425	445.86	359.7125	222.93
load	N_1200159563	constant_power_C	719.425	445.86	359.7125	222.93
load	N_1200159563	constant_power_A_real	719.425	0.0	359.7125	0.0
load	N_1200159563	constant_power_B_real	719.425	0.0	359.7125	0.0
load	N_1200159563	constant_power_C_real	719.425	0.0	359.7125	0.0
load	N_1200159563	constant_power_A_reac	445.86	0.0	222.93	0.0
load	N_1200159563	constant_power_B_reac	445.86	0.0	222.93	0.0
load	N_1200159563	constant_power_C_reac	445.86	0.0	222.93	0.0
load	N_1200159249	constant_power_A	4051.16	2510.68	2025.58	1255.34
load	N_1200159249	constant_power_B	4051.16	2510.68	2025.58	1255.34
load	N_1200159249	constant_power_C	4051.16	2510.68	2025.58	1255.34
load	N_1200159249	constant_power_A_real	4051.16	0.0	2025.58	0.0
load	N_1200159249	constant_power_B_real	4051.16	0.0	2025.58	0.0
load	N_1200159249	constant_power_C_real	4051.16	0.0	2025.58	0.0
load	N_1200159249	constant_power_A_reac	2510.68	0.0	1255.34	0.0
load	N_1200159249	constant_power_B_reac	2510.68	0.0	1255.34	0.0
load	N_1200159249	constant_power_C_reac	2510.68	0.0	1255.34	0.0
load	N_1200091939	constant_power_A	2039.97	670.505	1019.985	335.2525
load	N_1200091939	constant_power_B	2039.97	670.505	1019.985	335.2525
load	N_1200091939	constant_power_C	2039.97	670.505	1019.985	335.2525
load	N_1200091939	constant_power_A_real	2039.97	0.0	1019.985	0.0
load	N_1200091939	constant_power_B_real	2039.97	0.0	1019.985	0.0
load	N_1200091939	constant_power_C_real	2039.97	0.0	1019.985	0.0
load	N_1200091939	constant_power_A_reac	670.505	0.0	335.2525	0.0
load	N_1200091939	constant_power_B_reac	670.505	0.0	335.2525	0.0
load	N_1200091939	constant_power_C_reac	670.505	0.0	335.2525	0.0
load	N_1200493992	constant_power_A	1585.93	531.508	792.965	265.754
load	N_1200493992	constant_power_B	1585.93	531.508	792.965	265.754
load	N_1200493992	constant_power_C	1585.93	531.508	792.965	265.754
load	N_1200493992	constant_power_A_real	1585.93	0.0	792.965	0.0
load	N_1200493992	constant_power_B_real	1585.93	0.0	792.965	0.0
load	N_1200493992	constant_power_C_real	1585.93	0.0	792.965	0.0
load	N_1200493992	constant_power_A_reac	531.508	0.0	265.754	0.0
load	N_1200493992	constant_power_B_reac	531.508	0.0	265.754	0.0
load	N_1200493992	constant_power_C_reac	531.508	0.0	265.754	0.0
load	N_1200130019	constant_power_A	290.967	180.325	145.4835	90.1625
load	N_1200130019	constant_power_B	290.967	180.325	145.4835	90.1625
load	N_1200130019	constant_power_C	290.967	180.325	145.4835	90.1625
load	N_1200130019	constant_power_A_real	290.967	0.0	145.4835	0.0
load	N_1200130019	constant_power_B_real	290.967	0.0	145.4835	0.0
load	N_1200130019	constant_power_C_real	290.967	0.0	145.4835	0.0
load	N_1200130019	constant_power_A_reac	180.325	0.0	90.1625	0.0
load	N_1200130019	constant_power_B_reac	180.325	0.0	90.1625	0.0
load	N_1200130019	constant_power_C_reac	180.325	0.0	90.1625	0.0
load	N_1200159565	constant_power_A	984.813	323.692	492.4065	161.846
load	N_1200159565	constant_power_B	984.813	323.692	492.4065	161.846

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159565	constant_power_C	984.813	323.692	492.4065	161.846
load	N_1200159565	constant_power_A_real	984.813	0.0	492.4065	0.0
load	N_1200159565	constant_power_B_real	984.813	0.0	492.4065	0.0
load	N_1200159565	constant_power_C_real	984.813	0.0	492.4065	0.0
load	N_1200159565	constant_power_A_reac	323.692	0.0	161.846	0.0
load	N_1200159565	constant_power_B_reac	323.692	0.0	161.846	0.0
load	N_1200159565	constant_power_C_reac	323.692	0.0	161.846	0.0
load	N_1200016799	constant_power_A	1077.54	354.17	538.77	177.085
load	N_1200016799	constant_power_B	1077.54	354.17	538.77	177.085
load	N_1200016799	constant_power_C	1077.54	354.17	538.77	177.085
load	N_1200016799	constant_power_A_real	1077.54	0.0	538.77	0.0
load	N_1200016799	constant_power_B_real	1077.54	0.0	538.77	0.0
load	N_1200016799	constant_power_C_real	1077.54	0.0	538.77	0.0
load	N_1200016799	constant_power_A_reac	354.17	0.0	177.085	0.0
load	N_1200016799	constant_power_B_reac	354.17	0.0	177.085	0.0
load	N_1200016799	constant_power_C_reac	354.17	0.0	177.085	0.0
load	N_1200016807	constant_power_A	741.807	243.82	370.9035	121.91
load	N_1200016807	constant_power_B	741.807	243.82	370.9035	121.91
load	N_1200016807	constant_power_C	741.807	243.82	370.9035	121.91
load	N_1200016807	constant_power_A_real	741.807	0.0	370.9035	0.0
load	N_1200016807	constant_power_B_real	741.807	0.0	370.9035	0.0
load	N_1200016807	constant_power_C_real	741.807	0.0	370.9035	0.0
load	N_1200016807	constant_power_A_reac	243.82	0.0	121.91	0.0
load	N_1200016807	constant_power_B_reac	243.82	0.0	121.91	0.0
load	N_1200016807	constant_power_C_reac	243.82	0.0	121.91	0.0
load	N_1200016804	constant_power_A	73.5413	45.5768	36.77065	22.7884
load	N_1200016804	constant_power_B	73.5413	45.5768	36.77065	22.7884
load	N_1200016804	constant_power_C	73.5413	45.5768	36.77065	22.7884
load	N_1200016804	constant_power_A_real	73.5413	0.0	36.77065	0.0
load	N_1200016804	constant_power_B_real	73.5413	0.0	36.77065	0.0
load	N_1200016804	constant_power_C_real	73.5413	0.0	36.77065	0.0
load	N_1200016804	constant_power_A_reac	45.5768	0.0	22.7884	0.0
load	N_1200016804	constant_power_B_reac	45.5768	0.0	22.7884	0.0
load	N_1200016804	constant_power_C_reac	45.5768	0.0	22.7884	0.0
load	N_1200094372	constant_power_A	514.788	169.203	257.394	84.6015
load	N_1200094372	constant_power_B	514.788	169.203	257.394	84.6015
load	N_1200094372	constant_power_C	514.788	169.203	257.394	84.6015
load	N_1200094372	constant_power_A_real	514.788	0.0	257.394	0.0
load	N_1200094372	constant_power_B_real	514.788	0.0	257.394	0.0
load	N_1200094372	constant_power_C_real	514.788	0.0	257.394	0.0
load	N_1200094372	constant_power_A_reac	169.203	0.0	84.6015	0.0
load	N_1200094372	constant_power_B_reac	169.203	0.0	84.6015	0.0
load	N_1200094372	constant_power_C_reac	169.203	0.0	84.6015	0.0
load	N_1200094371	constant_power_A	1403.68	461.367	701.84	230.6835
load	N_1200094371	constant_power_B	1403.68	461.367	701.84	230.6835
load	N_1200094371	constant_power_C	1403.68	461.367	701.84	230.6835
load	N_1200094371	constant_power_A_real	1403.68	0.0	701.84	0.0
load	N_1200094371	constant_power_B_real	1403.68	0.0	701.84	0.0
load	N_1200094371	constant_power_C_real	1403.68	0.0	701.84	0.0
load	N_1200094371	constant_power_A_reac	461.367	0.0	230.6835	0.0
load	N_1200094371	constant_power_B_reac	461.367	0.0	230.6835	0.0
load	N_1200094371	constant_power_C_reac	461.367	0.0	230.6835	0.0
load	N_1200094370	constant_power_A	2602.72	855.472	1301.36	427.736
load	N_1200094370	constant_power_B	2602.72	855.472	1301.36	427.736
load	N_1200094370	constant_power_C	2602.72	855.472	1301.36	427.736
load	N_1200094370	constant_power_A_real	2602.72	0.0	1301.36	0.0
load	N_1200094370	constant_power_B_real	2602.72	0.0	1301.36	0.0
load	N_1200094370	constant_power_C_real	2602.72	0.0	1301.36	0.0
load	N_1200094370	constant_power_A_reac	855.472	0.0	427.736	0.0
load	N_1200094370	constant_power_B_reac	855.472	0.0	427.736	0.0
load	N_1200094370	constant_power_C_reac	855.472	0.0	427.736	0.0
load	N_1200180283	constant_power_A	4829.74	1587.46	2414.87	793.73
load	N_1200180283	constant_power_B	4829.74	1587.46	2414.87	793.73

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200180283	constant_power_A_real	4829.74	0.0	2414.87	0.0
load	N_1200180283	constant_power_B_real	4829.74	0.0	2414.87	0.0
load	N_1200180283	constant_power_A_reac	1587.46	0.0	793.73	0.0
load	N_1200180283	constant_power_B_reac	1587.46	0.0	793.73	0.0
load	N_1200160282	constant_power_A	760.992	471.62	380.496	235.81
load	N_1200160282	constant_power_B	760.992	471.62	380.496	235.81
load	N_1200160282	constant_power_C	760.992	471.62	380.496	235.81
load	N_1200160282	constant_power_A_real	760.992	0.0	380.496	0.0
load	N_1200160282	constant_power_B_real	760.992	0.0	380.496	0.0
load	N_1200160282	constant_power_C_real	760.992	0.0	380.496	0.0
load	N_1200160282	constant_power_A_reac	471.62	0.0	235.81	0.0
load	N_1200160282	constant_power_B_reac	471.62	0.0	235.81	0.0
load	N_1200160282	constant_power_C_reac	471.62	0.0	235.81	0.0
load	N_1200505310	constant_power_A	1592.33	523.373	796.165	261.6865
load	N_1200505310	constant_power_B	1592.33	523.373	796.165	261.6865
load	N_1200505310	constant_power_C	1592.33	523.373	796.165	261.6865
load	N_1200505310	constant_power_A_real	1592.33	0.0	796.165	0.0
load	N_1200505310	constant_power_B_real	1592.33	0.0	796.165	0.0
load	N_1200505310	constant_power_C_real	1592.33	0.0	796.165	0.0
load	N_1200505310	constant_power_A_reac	523.373	0.0	261.6865	0.0
load	N_1200505310	constant_power_B_reac	523.373	0.0	261.6865	0.0
load	N_1200505310	constant_power_C_reac	523.373	0.0	261.6865	0.0
load	N_1200160281	constant_power_A	1624.3	1006.65	812.15	503.325
load	N_1200160281	constant_power_B	1624.3	1006.65	812.15	503.325
load	N_1200160281	constant_power_C	1624.3	1006.65	812.15	503.325
load	N_1200160281	constant_power_A_real	1624.3	0.0	812.15	0.0
load	N_1200160281	constant_power_B_real	1624.3	0.0	812.15	0.0
load	N_1200160281	constant_power_C_real	1624.3	0.0	812.15	0.0
load	N_1200160281	constant_power_A_reac	1006.65	0.0	503.325	0.0
load	N_1200160281	constant_power_B_reac	1006.65	0.0	503.325	0.0
load	N_1200160281	constant_power_C_reac	1006.65	0.0	503.325	0.0
load	N_1200102079	constant_power_A	1394.09	458.214	697.045	229.107
load	N_1200102079	constant_power_B	1394.09	458.214	697.045	229.107
load	N_1200102079	constant_power_C	1394.09	458.214	697.045	229.107
load	N_1200102079	constant_power_A_real	1394.09	0.0	697.045	0.0
load	N_1200102079	constant_power_B_real	1394.09	0.0	697.045	0.0
load	N_1200102079	constant_power_C_real	1394.09	0.0	697.045	0.0
load	N_1200102079	constant_power_A_reac	458.214	0.0	229.107	0.0
load	N_1200102079	constant_power_B_reac	458.214	0.0	229.107	0.0
load	N_1200102079	constant_power_C_reac	458.214	0.0	229.107	0.0
load	N_1200129922	constant_power_A	1544.37	507.608	772.185	253.804
load	N_1200129922	constant_power_B	1544.37	507.608	772.185	253.804
load	N_1200129922	constant_power_A_real	1544.37	0.0	772.185	0.0
load	N_1200129922	constant_power_B_real	1544.37	0.0	772.185	0.0
load	N_1200129922	constant_power_A_reac	507.608	0.0	253.804	0.0
load	N_1200129922	constant_power_B_reac	507.608	0.0	253.804	0.0
load	N_1200129925	constant_power_A	4262.19	1400.91	2131.095	700.455
load	N_1200129925	constant_power_B	4262.19	1400.91	2131.095	700.455
load	N_1200129925	constant_power_C	4262.19	1400.91	2131.095	700.455
load	N_1200129925	constant_power_A_real	4262.19	0.0	2131.095	0.0
load	N_1200129925	constant_power_B_real	4262.19	0.0	2131.095	0.0
load	N_1200129925	constant_power_C_real	4262.19	0.0	2131.095	0.0
load	N_1200129925	constant_power_A_reac	1400.91	0.0	700.455	0.0
load	N_1200129925	constant_power_B_reac	1400.91	0.0	700.455	0.0
load	N_1200129925	constant_power_C_reac	1400.91	0.0	700.455	0.0
load	N_1200172108	constant_power_A	828.138	513.234	414.069	256.617
load	N_1200172108	constant_power_B	828.138	513.234	414.069	256.617
load	N_1200172108	constant_power_C	828.138	513.234	414.069	256.617
load	N_1200172108	constant_power_A_real	828.138	0.0	414.069	0.0
load	N_1200172108	constant_power_B_real	828.138	0.0	414.069	0.0
load	N_1200172108	constant_power_C_real	828.138	0.0	414.069	0.0
load	N_1200172108	constant_power_A_reac	513.234	0.0	256.617	0.0
load	N_1200172108	constant_power_B_reac	513.234	0.0	256.617	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200172108	constant_power_C_reac	513.234	0.0	256.617	0.0
load	N_1200109797	constant_power_A	760.992	261.294	380.496	130.647
load	N_1200109797	constant_power_B	760.992	261.294	380.496	130.647
load	N_1200109797	constant_power_C	760.992	261.294	380.496	130.647
load	N_1200109797	constant_power_A_real	760.992	0.0	380.496	0.0
load	N_1200109797	constant_power_B_real	760.992	0.0	380.496	0.0
load	N_1200109797	constant_power_C_real	760.992	0.0	380.496	0.0
load	N_1200109797	constant_power_A_reac	261.294	0.0	130.647	0.0
load	N_1200109797	constant_power_B_reac	261.294	0.0	130.647	0.0
load	N_1200109797	constant_power_C_reac	261.294	0.0	130.647	0.0
load	N_1200129571	constant_power_A	620.304	203.884	310.152	101.942
load	N_1200129571	constant_power_B	620.304	203.884	310.152	101.942
load	N_1200129571	constant_power_C	620.304	203.884	310.152	101.942
load	N_1200129571	constant_power_A_real	620.304	0.0	310.152	0.0
load	N_1200129571	constant_power_B_real	620.304	0.0	310.152	0.0
load	N_1200129571	constant_power_C_real	620.304	0.0	310.152	0.0
load	N_1200129571	constant_power_A_reac	203.884	0.0	101.942	0.0
load	N_1200129571	constant_power_B_reac	203.884	0.0	101.942	0.0
load	N_1200129571	constant_power_C_reac	203.884	0.0	101.942	0.0
load	N_1200030926	constant_power_A	2556.36	840.234	1278.18	420.117
load	N_1200030926	constant_power_B	2556.36	840.234	1278.18	420.117
load	N_1200030926	constant_power_A_real	2556.36	0.0	1278.18	0.0
load	N_1200030926	constant_power_B_real	2556.36	0.0	1278.18	0.0
load	N_1200030926	constant_power_A_reac	840.234	0.0	420.117	0.0
load	N_1200030926	constant_power_B_reac	840.234	0.0	420.117	0.0
load	N_1200109822	constant_power_A	1339.73	569.708	669.865	284.854
load	N_1200109822	constant_power_B	1339.73	569.708	669.865	284.854
load	N_1200109822	constant_power_C	1339.73	569.708	669.865	284.854
load	N_1200109822	constant_power_A_real	1339.73	0.0	669.865	0.0
load	N_1200109822	constant_power_B_real	1339.73	0.0	669.865	0.0
load	N_1200109822	constant_power_C_real	1339.73	0.0	669.865	0.0
load	N_1200109822	constant_power_A_reac	569.708	0.0	284.854	0.0
load	N_1200109822	constant_power_B_reac	569.708	0.0	284.854	0.0
load	N_1200109822	constant_power_C_reac	569.708	0.0	284.854	0.0
load	N_1200102034	constant_power_A	633.094	392.356	316.547	196.178
load	N_1200102034	constant_power_B	633.094	392.356	316.547	196.178
load	N_1200102034	constant_power_C	633.094	392.356	316.547	196.178
load	N_1200102034	constant_power_A_real	633.094	0.0	316.547	0.0
load	N_1200102034	constant_power_B_real	633.094	0.0	316.547	0.0
load	N_1200102034	constant_power_C_real	633.094	0.0	316.547	0.0
load	N_1200102034	constant_power_A_reac	392.356	0.0	196.178	0.0
load	N_1200102034	constant_power_B_reac	392.356	0.0	196.178	0.0
load	N_1200102034	constant_power_C_reac	392.356	0.0	196.178	0.0
load	N_1200159356	constant_power_A	2030.38	731.567	1015.19	365.7835
load	N_1200159356	constant_power_B	2030.38	731.567	1015.19	365.7835
load	N_1200159356	constant_power_C	2030.38	731.567	1015.19	365.7835
load	N_1200159356	constant_power_A_real	2030.38	0.0	1015.19	0.0
load	N_1200159356	constant_power_B_real	2030.38	0.0	1015.19	0.0
load	N_1200159356	constant_power_C_real	2030.38	0.0	1015.19	0.0
load	N_1200159356	constant_power_A_reac	731.567	0.0	365.7835	0.0
load	N_1200159356	constant_power_B_reac	731.567	0.0	365.7835	0.0
load	N_1200159356	constant_power_C_reac	731.567	0.0	365.7835	0.0
load	N_1200030946	constant_power_A	1199.04	691.913	599.52	345.9565
load	N_1200030946	constant_power_B	1199.04	691.913	599.52	345.9565
load	N_1200030946	constant_power_C	1199.04	691.913	599.52	345.9565
load	N_1200030946	constant_power_A_real	1199.04	0.0	599.52	0.0
load	N_1200030946	constant_power_B_real	1199.04	0.0	599.52	0.0
load	N_1200030946	constant_power_C_real	1199.04	0.0	599.52	0.0
load	N_1200030946	constant_power_A_reac	691.913	0.0	345.9565	0.0
load	N_1200030946	constant_power_B_reac	691.913	0.0	345.9565	0.0
load	N_1200030946	constant_power_C_reac	691.913	0.0	345.9565	0.0
load	N_1200130330	constant_power_A	3210.23	1055.15	1605.115	527.575
load	N_1200130330	constant_power_B	3210.23	1055.15	1605.115	527.575

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130330	constant_power_C	3210.23	1055.15	1605.115	527.575
load	N_1200130330	constant_power_A_real	3210.23	0.0	1605.115	0.0
load	N_1200130330	constant_power_B_real	3210.23	0.0	1605.115	0.0
load	N_1200130330	constant_power_C_real	3210.23	0.0	1605.115	0.0
load	N_1200130330	constant_power_A_reac	1055.15	0.0	527.575	0.0
load	N_1200130330	constant_power_B_reac	1055.15	0.0	527.575	0.0
load	N_1200130330	constant_power_C_reac	1055.15	0.0	527.575	0.0
load	N_1200130331	constant_power_A	3945.65	1296.87	1972.825	648.435
load	N_1200130331	constant_power_B	3945.65	1296.87	1972.825	648.435
load	N_1200130331	constant_power_C	3945.65	1296.87	1972.825	648.435
load	N_1200130331	constant_power_A_real	3945.65	0.0	1972.825	0.0
load	N_1200130331	constant_power_B_real	3945.65	0.0	1972.825	0.0
load	N_1200130331	constant_power_C_real	3945.65	0.0	1972.825	0.0
load	N_1200130331	constant_power_A_reac	1296.87	0.0	648.435	0.0
load	N_1200130331	constant_power_B_reac	1296.87	0.0	648.435	0.0
load	N_1200130331	constant_power_C_reac	1296.87	0.0	648.435	0.0
load	N_1200130336	constant_power_A	5266.19	2223.23	2633.095	1111.615
load	N_1200130336	constant_power_B	5266.19	2223.23	2633.095	1111.615
load	N_1200130336	constant_power_C	5266.19	2223.23	2633.095	1111.615
load	N_1200130336	constant_power_A_real	5266.19	0.0	2633.095	0.0
load	N_1200130336	constant_power_B_real	5266.19	0.0	2633.095	0.0
load	N_1200130336	constant_power_C_real	5266.19	0.0	2633.095	0.0
load	N_1200130336	constant_power_A_reac	2223.23	0.0	1111.615	0.0
load	N_1200130336	constant_power_B_reac	2223.23	0.0	1111.615	0.0
load	N_1200130336	constant_power_C_reac	2223.23	0.0	1111.615	0.0
load	N_1200130337	constant_power_A	1896.08	1175.09	948.04	587.545
load	N_1200130337	constant_power_B	1896.08	1175.09	948.04	587.545
load	N_1200130337	constant_power_C	1896.08	1175.09	948.04	587.545
load	N_1200130337	constant_power_A_real	1896.08	0.0	948.04	0.0
load	N_1200130337	constant_power_B_real	1896.08	0.0	948.04	0.0
load	N_1200130337	constant_power_C_real	1896.08	0.0	948.04	0.0
load	N_1200130337	constant_power_A_reac	1175.09	0.0	587.545	0.0
load	N_1200130337	constant_power_B_reac	1175.09	0.0	587.545	0.0
load	N_1200130337	constant_power_C_reac	1175.09	0.0	587.545	0.0
load	N_1200130334	constant_power_A	1381.3	454.01	690.65	227.005
load	N_1200130334	constant_power_B	1381.3	454.01	690.65	227.005
load	N_1200130334	constant_power_A_real	1381.3	0.0	690.65	0.0
load	N_1200130334	constant_power_B_real	1381.3	0.0	690.65	0.0
load	N_1200130334	constant_power_A_reac	454.01	0.0	227.005	0.0
load	N_1200130334	constant_power_B_reac	454.01	0.0	227.005	0.0
load	N_1200130319	constant_power_A	2055.96	675.76	1027.98	337.88
load	N_1200130319	constant_power_B	2055.96	675.76	1027.98	337.88
load	N_1200130319	constant_power_C	2055.96	675.76	1027.98	337.88
load	N_1200130319	constant_power_A_real	2055.96	0.0	1027.98	0.0
load	N_1200130319	constant_power_B_real	2055.96	0.0	1027.98	0.0
load	N_1200130319	constant_power_C_real	2055.96	0.0	1027.98	0.0
load	N_1200130319	constant_power_A_reac	675.76	0.0	337.88	0.0
load	N_1200130319	constant_power_B_reac	675.76	0.0	337.88	0.0
load	N_1200130319	constant_power_C_reac	675.76	0.0	337.88	0.0
load	N_1200160227	constant_power_A	5502.8	1808.68	2751.4	904.34
load	N_1200160227	constant_power_B	5502.8	1808.68	2751.4	904.34
load	N_1200160227	constant_power_C	5502.8	1808.68	2751.4	904.34
load	N_1200160227	constant_power_A_real	5502.8	0.0	2751.4	0.0
load	N_1200160227	constant_power_B_real	5502.8	0.0	2751.4	0.0
load	N_1200160227	constant_power_C_real	5502.8	0.0	2751.4	0.0
load	N_1200160227	constant_power_A_reac	1808.68	0.0	904.34	0.0
load	N_1200160227	constant_power_B_reac	1808.68	0.0	904.34	0.0
load	N_1200160227	constant_power_C_reac	1808.68	0.0	904.34	0.0
load	N_1200088026	constant_power_A	3315.75	1089.83	1657.875	544.915
load	N_1200088026	constant_power_B	3315.75	1089.83	1657.875	544.915
load	N_1200088026	constant_power_C	3315.75	1089.83	1657.875	544.915
load	N_1200088026	constant_power_A_real	3315.75	0.0	1657.875	0.0
load	N_1200088026	constant_power_B_real	3315.75	0.0	1657.875	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200088026	constant_power_C_real	3315.75	0.0	1657.875	0.0
load	N_1200088026	constant_power_A_reac	1089.83	0.0	544.915	0.0
load	N_1200088026	constant_power_B_reac	1089.83	0.0	544.915	0.0
load	N_1200088026	constant_power_C_reac	1089.83	0.0	544.915	0.0
load	N_1200088025	constant_power_A	121.503	39.9361	60.7515	19.96805
load	N_1200088025	constant_power_B	121.503	39.9361	60.7515	19.96805
load	N_1200088025	constant_power_C	121.503	39.9361	60.7515	19.96805
load	N_1200088025	constant_power_A_real	121.503	0.0	60.7515	0.0
load	N_1200088025	constant_power_B_real	121.503	0.0	60.7515	0.0
load	N_1200088025	constant_power_C_real	121.503	0.0	60.7515	0.0
load	N_1200088025	constant_power_A_reac	39.9361	0.0	19.96805	0.0
load	N_1200088025	constant_power_B_reac	39.9361	0.0	19.96805	0.0
load	N_1200088025	constant_power_C_reac	39.9361	0.0	19.96805	0.0
load	N_1200129953	constant_power_A	2004.8	802.265	1002.4	401.1325
load	N_1200129953	constant_power_B	2004.8	802.265	1002.4	401.1325
load	N_1200129953	constant_power_C	2004.8	802.265	1002.4	401.1325
load	N_1200129953	constant_power_A_real	2004.8	0.0	1002.4	0.0
load	N_1200129953	constant_power_B_real	2004.8	0.0	1002.4	0.0
load	N_1200129953	constant_power_C_real	2004.8	0.0	1002.4	0.0
load	N_1200129953	constant_power_A_reac	802.265	0.0	401.1325	0.0
load	N_1200129953	constant_power_B_reac	802.265	0.0	401.1325	0.0
load	N_1200129953	constant_power_C_reac	802.265	0.0	401.1325	0.0
load	N_1200159389	constant_power_A	2845.72	1763.62	1422.86	881.81
load	N_1200159389	constant_power_B	2845.72	1763.62	1422.86	881.81
load	N_1200159389	constant_power_C	2845.72	1763.62	1422.86	881.81
load	N_1200159389	constant_power_A_real	2845.72	0.0	1422.86	0.0
load	N_1200159389	constant_power_B_real	2845.72	0.0	1422.86	0.0
load	N_1200159389	constant_power_C_real	2845.72	0.0	1422.86	0.0
load	N_1200159389	constant_power_A_reac	1763.62	0.0	881.81	0.0
load	N_1200159389	constant_power_B_reac	1763.62	0.0	881.81	0.0
load	N_1200159389	constant_power_C_reac	1763.62	0.0	881.81	0.0
load	N_1200130067	constant_power_A	1259.79	414.074	629.895	207.037
load	N_1200130067	constant_power_B	1259.79	414.074	629.895	207.037
load	N_1200130067	constant_power_C	1259.79	414.074	629.895	207.037
load	N_1200130067	constant_power_A_real	1259.79	0.0	629.895	0.0
load	N_1200130067	constant_power_B_real	1259.79	0.0	629.895	0.0
load	N_1200130067	constant_power_C_real	1259.79	0.0	629.895	0.0
load	N_1200130067	constant_power_A_reac	414.074	0.0	207.037	0.0
load	N_1200130067	constant_power_B_reac	414.074	0.0	207.037	0.0
load	N_1200130067	constant_power_C_reac	414.074	0.0	207.037	0.0
load	N_1200071823	constant_power_A	441.247	273.461	220.6235	136.7305
load	N_1200071823	constant_power_B	441.247	273.461	220.6235	136.7305
load	N_1200071823	constant_power_C	441.247	273.461	220.6235	136.7305
load	N_1200071823	constant_power_A_real	441.247	0.0	220.6235	0.0
load	N_1200071823	constant_power_B_real	441.247	0.0	220.6235	0.0
load	N_1200071823	constant_power_C_real	441.247	0.0	220.6235	0.0
load	N_1200071823	constant_power_A_reac	273.461	0.0	136.7305	0.0
load	N_1200071823	constant_power_B_reac	273.461	0.0	136.7305	0.0
load	N_1200071823	constant_power_C_reac	273.461	0.0	136.7305	0.0
load	N_1200082368	constant_power_A	1496.4	491.844	748.2	245.922
load	N_1200082368	constant_power_B	1496.4	491.844	748.2	245.922
load	N_1200082368	constant_power_C	1496.4	491.844	748.2	245.922
load	N_1200082368	constant_power_A_real	1496.4	0.0	748.2	0.0
load	N_1200082368	constant_power_B_real	1496.4	0.0	748.2	0.0
load	N_1200082368	constant_power_C_real	1496.4	0.0	748.2	0.0
load	N_1200082368	constant_power_A_reac	491.844	0.0	245.922	0.0
load	N_1200082368	constant_power_B_reac	491.844	0.0	245.922	0.0
load	N_1200082368	constant_power_C_reac	491.844	0.0	245.922	0.0
load	N_1200115805	constant_power_A	1892.89	635.191	946.445	317.5955
load	N_1200115805	constant_power_B	1892.89	635.191	946.445	317.5955
load	N_1200115805	constant_power_C	1892.89	635.191	946.445	317.5955
load	N_1200115805	constant_power_A_real	1892.89	0.0	946.445	0.0
load	N_1200115805	constant_power_B_real	1892.89	0.0	946.445	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200115805	constant_power_C_real	1892.89	0.0	946.445	0.0
load	N_1200115805	constant_power_A_reac	635.191	0.0	317.5955	0.0
load	N_1200115805	constant_power_B_reac	635.191	0.0	317.5955	0.0
load	N_1200115805	constant_power_C_reac	635.191	0.0	317.5955	0.0
load	N_1200115807	constant_power_A	1886.49	620.06	943.245	310.03
load	N_1200115807	constant_power_B	1886.49	620.06	943.245	310.03
load	N_1200115807	constant_power_C	1886.49	620.06	943.245	310.03
load	N_1200115807	constant_power_A_real	1886.49	0.0	943.245	0.0
load	N_1200115807	constant_power_B_real	1886.49	0.0	943.245	0.0
load	N_1200115807	constant_power_C_real	1886.49	0.0	943.245	0.0
load	N_1200115807	constant_power_A_reac	620.06	0.0	310.03	0.0
load	N_1200115807	constant_power_B_reac	620.06	0.0	310.03	0.0
load	N_1200115807	constant_power_C_reac	620.06	0.0	310.03	0.0
load	N_1200091937	constant_power_A	1480.42	486.589	740.21	243.2945
load	N_1200091937	constant_power_B	1480.42	486.589	740.21	243.2945
load	N_1200091937	constant_power_C	1480.42	486.589	740.21	243.2945
load	N_1200091937	constant_power_A_real	1480.42	0.0	740.21	0.0
load	N_1200091937	constant_power_B_real	1480.42	0.0	740.21	0.0
load	N_1200091937	constant_power_C_real	1480.42	0.0	740.21	0.0
load	N_1200091937	constant_power_A_reac	486.589	0.0	243.2945	0.0
load	N_1200091937	constant_power_B_reac	486.589	0.0	243.2945	0.0
load	N_1200091937	constant_power_C_reac	486.589	0.0	243.2945	0.0
load	N_1200160168	constant_power_A	51.159	31.7055	25.5795	15.85275
load	N_1200160168	constant_power_B	51.159	31.7055	25.5795	15.85275
load	N_1200160168	constant_power_C	51.159	31.7055	25.5795	15.85275
load	N_1200160168	constant_power_A_real	51.159	0.0	25.5795	0.0
load	N_1200160168	constant_power_B_real	51.159	0.0	25.5795	0.0
load	N_1200160168	constant_power_C_real	51.159	0.0	25.5795	0.0
load	N_1200160168	constant_power_A_reac	31.7055	0.0	15.85275	0.0
load	N_1200160168	constant_power_B_reac	31.7055	0.0	15.85275	0.0
load	N_1200160168	constant_power_C_reac	31.7055	0.0	15.85275	0.0
load	N_1200115802	constant_power_A	255.796	158.528	127.898	79.264
load	N_1200115802	constant_power_B	255.796	158.528	127.898	79.264
load	N_1200115802	constant_power_C	255.796	158.528	127.898	79.264
load	N_1200115802	constant_power_A_real	255.796	0.0	127.898	0.0
load	N_1200115802	constant_power_B_real	255.796	0.0	127.898	0.0
load	N_1200115802	constant_power_C_real	255.796	0.0	127.898	0.0
load	N_1200115802	constant_power_A_reac	158.528	0.0	79.264	0.0
load	N_1200115802	constant_power_B_reac	158.528	0.0	79.264	0.0
load	N_1200115802	constant_power_C_reac	158.528	0.0	79.264	0.0
load	N_1200069293	constant_power_A	1653.08	1024.49	826.54	512.245
load	N_1200069293	constant_power_B	1653.08	1024.49	826.54	512.245
load	N_1200069293	constant_power_C	1653.08	1024.49	826.54	512.245
load	N_1200069293	constant_power_A_real	1653.08	0.0	826.54	0.0
load	N_1200069293	constant_power_B_real	1653.08	0.0	826.54	0.0
load	N_1200069293	constant_power_C_real	1653.08	0.0	826.54	0.0
load	N_1200069293	constant_power_A_reac	1024.49	0.0	512.245	0.0
load	N_1200069293	constant_power_B_reac	1024.49	0.0	512.245	0.0
load	N_1200069293	constant_power_C_reac	1024.49	0.0	512.245	0.0
load	N_1200130035	constant_power_A	2618.71	939.832	1309.355	469.916
load	N_1200130035	constant_power_B	2618.71	939.832	1309.355	469.916
load	N_1200130035	constant_power_C	2618.71	939.832	1309.355	469.916
load	N_1200130035	constant_power_A_real	2618.71	0.0	1309.355	0.0
load	N_1200130035	constant_power_B_real	2618.71	0.0	1309.355	0.0
load	N_1200130035	constant_power_C_real	2618.71	0.0	1309.355	0.0
load	N_1200130035	constant_power_A_reac	939.832	0.0	469.916	0.0
load	N_1200130035	constant_power_B_reac	939.832	0.0	469.916	0.0
load	N_1200130035	constant_power_C_reac	939.832	0.0	469.916	0.0
load	N_1200129810	constant_power_A	5896.09	3654.07	2948.045	1827.035
load	N_1200129810	constant_power_B	5896.09	3654.07	2948.045	1827.035
load	N_1200129810	constant_power_C	5896.09	3654.07	2948.045	1827.035
load	N_1200129810	constant_power_A_real	5896.09	0.0	2948.045	0.0
load	N_1200129810	constant_power_B_real	5896.09	0.0	2948.045	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129810	constant_power_C_real	5896.09	0.0	2948.045	0.0
load	N_1200129810	constant_power_A_reac	3654.07	0.0	1827.035	0.0
load	N_1200129810	constant_power_B_reac	3654.07	0.0	1827.035	0.0
load	N_1200129810	constant_power_C_reac	3654.07	0.0	1827.035	0.0
load	N_1200166429	constant_power_A	3542.77	1164.45	1771.385	582.225
load	N_1200166429	constant_power_B	3542.77	1164.45	1771.385	582.225
load	N_1200166429	constant_power_C	3542.77	1164.45	1771.385	582.225
load	N_1200166429	constant_power_A_real	3542.77	0.0	1771.385	0.0
load	N_1200166429	constant_power_B_real	3542.77	0.0	1771.385	0.0
load	N_1200166429	constant_power_C_real	3542.77	0.0	1771.385	0.0
load	N_1200166429	constant_power_A_reac	1164.45	0.0	582.225	0.0
load	N_1200166429	constant_power_B_reac	1164.45	0.0	582.225	0.0
load	N_1200166429	constant_power_C_reac	1164.45	0.0	582.225	0.0
load	N_1200166583	constant_power_A	4313.35	1713.68	2156.675	856.84
load	N_1200166583	constant_power_B	4313.35	1713.68	2156.675	856.84
load	N_1200166583	constant_power_C	4313.35	1713.68	2156.675	856.84
load	N_1200166583	constant_power_A_real	4313.35	0.0	2156.675	0.0
load	N_1200166583	constant_power_B_real	4313.35	0.0	2156.675	0.0
load	N_1200166583	constant_power_C_real	4313.35	0.0	2156.675	0.0
load	N_1200166583	constant_power_A_reac	1713.68	0.0	856.84	0.0
load	N_1200166583	constant_power_B_reac	1713.68	0.0	856.84	0.0
load	N_1200166583	constant_power_C_reac	1713.68	0.0	856.84	0.0
load	N_1200166580	constant_power_A	4994.41	1641.58	2497.205	820.79
load	N_1200166580	constant_power_B	4994.41	1641.58	2497.205	820.79
load	N_1200166580	constant_power_C	4994.41	1641.58	2497.205	820.79
load	N_1200166580	constant_power_A_real	4994.41	0.0	2497.205	0.0
load	N_1200166580	constant_power_B_real	4994.41	0.0	2497.205	0.0
load	N_1200166580	constant_power_C_real	4994.41	0.0	2497.205	0.0
load	N_1200166580	constant_power_A_reac	1641.58	0.0	820.79	0.0
load	N_1200166580	constant_power_B_reac	1641.58	0.0	820.79	0.0
load	N_1200166580	constant_power_C_reac	1641.58	0.0	820.79	0.0
load	N_1200110197	constant_power_A	1055.16	346.813	527.58	173.4065
load	N_1200110197	constant_power_B	1055.16	346.813	527.58	173.4065
load	N_1200110197	constant_power_C	1055.16	346.813	527.58	173.4065
load	N_1200110197	constant_power_A_real	1055.16	0.0	527.58	0.0
load	N_1200110197	constant_power_B_real	1055.16	0.0	527.58	0.0
load	N_1200110197	constant_power_C_real	1055.16	0.0	527.58	0.0
load	N_1200110197	constant_power_A_reac	346.813	0.0	173.4065	0.0
load	N_1200110197	constant_power_B_reac	346.813	0.0	173.4065	0.0
load	N_1200110197	constant_power_C_reac	346.813	0.0	173.4065	0.0
load	N_1200129950	constant_power_A	422.063	138.725	211.0315	69.3625
load	N_1200129950	constant_power_B	422.063	138.725	211.0315	69.3625
load	N_1200129950	constant_power_C	422.063	138.725	211.0315	69.3625
load	N_1200129950	constant_power_A_real	422.063	0.0	211.0315	0.0
load	N_1200129950	constant_power_B_real	422.063	0.0	211.0315	0.0
load	N_1200129950	constant_power_C_real	422.063	0.0	211.0315	0.0
load	N_1200129950	constant_power_A_reac	138.725	0.0	69.3625	0.0
load	N_1200129950	constant_power_B_reac	138.725	0.0	69.3625	0.0
load	N_1200129950	constant_power_C_reac	138.725	0.0	69.3625	0.0
load	N_1200111857	constant_power_A	20863.3	6857.44	10431.65	3428.72
load	N_1200111857	constant_power_B	20863.3	6857.44	10431.65	3428.72
load	N_1200111857	constant_power_A_real	20863.3	0.0	10431.65	0.0
load	N_1200111857	constant_power_B_real	20863.3	0.0	10431.65	0.0
load	N_1200111857	constant_power_A_reac	6857.44	0.0	3428.72	0.0
load	N_1200111857	constant_power_B_reac	6857.44	0.0	3428.72	0.0
load	N_1200129952	constant_power_A	773.781	254.33	386.8905	127.165
load	N_1200129952	constant_power_B	773.781	254.33	386.8905	127.165
load	N_1200129952	constant_power_C	773.781	254.33	386.8905	127.165
load	N_1200129952	constant_power_A_real	773.781	0.0	386.8905	0.0
load	N_1200129952	constant_power_B_real	773.781	0.0	386.8905	0.0
load	N_1200129952	constant_power_C_real	773.781	0.0	386.8905	0.0
load	N_1200129952	constant_power_A_reac	254.33	0.0	127.165	0.0
load	N_1200129952	constant_power_B_reac	254.33	0.0	127.165	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129952	constant_power_C_reac	254.33	0.0	127.165	0.0
load	N_1200017768	constant_power_A	10423.7	6460.01	5211.85	3230.005
load	N_1200017768	constant_power_B	10423.7	6460.01	5211.85	3230.005
load	N_1200017768	constant_power_C	10423.7	6460.01	5211.85	3230.005
load	N_1200017768	constant_power_A_real	10423.7	0.0	5211.85	0.0
load	N_1200017768	constant_power_B_real	10423.7	0.0	5211.85	0.0
load	N_1200017768	constant_power_C_real	10423.7	0.0	5211.85	0.0
load	N_1200017768	constant_power_A_reac	6460.01	0.0	3230.005	0.0
load	N_1200017768	constant_power_B_reac	6460.01	0.0	3230.005	0.0
load	N_1200017768	constant_power_C_reac	6460.01	0.0	3230.005	0.0
load	N_1200166421	constant_power_A	1816.15	782.138	908.075	391.069
load	N_1200166421	constant_power_B	1816.15	782.138	908.075	391.069
load	N_1200166421	constant_power_C	1816.15	782.138	908.075	391.069
load	N_1200166421	constant_power_A_real	1816.15	0.0	908.075	0.0
load	N_1200166421	constant_power_B_real	1816.15	0.0	908.075	0.0
load	N_1200166421	constant_power_C_real	1816.15	0.0	908.075	0.0
load	N_1200166421	constant_power_A_reac	782.138	0.0	391.069	0.0
load	N_1200166421	constant_power_B_reac	782.138	0.0	391.069	0.0
load	N_1200166421	constant_power_C_reac	782.138	0.0	391.069	0.0
load	N_1200166423	constant_power_A	1240.61	768.86	620.305	384.43
load	N_1200166423	constant_power_B	1240.61	768.86	620.305	384.43
load	N_1200166423	constant_power_C	1240.61	768.86	620.305	384.43
load	N_1200166423	constant_power_A_real	1240.61	0.0	620.305	0.0
load	N_1200166423	constant_power_B_real	1240.61	0.0	620.305	0.0
load	N_1200166423	constant_power_C_real	1240.61	0.0	620.305	0.0
load	N_1200166423	constant_power_A_reac	768.86	0.0	384.43	0.0
load	N_1200166423	constant_power_B_reac	768.86	0.0	384.43	0.0
load	N_1200166423	constant_power_C_reac	768.86	0.0	384.43	0.0
load	N_1200111859	constant_power_A	16086.3	5287.32	8043.15	2643.66
load	N_1200111859	constant_power_B	16086.3	5287.32	8043.15	2643.66
load	N_1200111859	constant_power_A_real	16086.3	0.0	8043.15	0.0
load	N_1200111859	constant_power_B_real	16086.3	0.0	8043.15	0.0
load	N_1200111859	constant_power_A_reac	5287.32	0.0	2643.66	0.0
load	N_1200111859	constant_power_B_reac	5287.32	0.0	2643.66	0.0
load	N_1200166426	constant_power_A	1419.66	556.894	709.83	278.447
load	N_1200166426	constant_power_B	1419.66	556.894	709.83	278.447
load	N_1200166426	constant_power_C	1419.66	556.894	709.83	278.447
load	N_1200166426	constant_power_A_real	1419.66	0.0	709.83	0.0
load	N_1200166426	constant_power_B_real	1419.66	0.0	709.83	0.0
load	N_1200166426	constant_power_C_real	1419.66	0.0	709.83	0.0
load	N_1200166426	constant_power_A_reac	556.894	0.0	278.447	0.0
load	N_1200166426	constant_power_B_reac	556.894	0.0	278.447	0.0
load	N_1200166426	constant_power_C_reac	556.894	0.0	278.447	0.0
load	N_1200071831	constant_power_A	1288.57	451.452	644.285	225.726
load	N_1200071831	constant_power_B	1288.57	451.452	644.285	225.726
load	N_1200071831	constant_power_C	1288.57	451.452	644.285	225.726
load	N_1200071831	constant_power_A_real	1288.57	0.0	644.285	0.0
load	N_1200071831	constant_power_B_real	1288.57	0.0	644.285	0.0
load	N_1200071831	constant_power_C_real	1288.57	0.0	644.285	0.0
load	N_1200071831	constant_power_A_reac	451.452	0.0	225.726	0.0
load	N_1200071831	constant_power_B_reac	451.452	0.0	225.726	0.0
load	N_1200071831	constant_power_C_reac	451.452	0.0	225.726	0.0
load	N_1200166249	constant_power_A	2273.38	1138.1	1136.69	569.05
load	N_1200166249	constant_power_B	2273.38	1138.1	1136.69	569.05
load	N_1200166249	constant_power_C	2273.38	1138.1	1136.69	569.05
load	N_1200166249	constant_power_A_real	2273.38	0.0	1136.69	0.0
load	N_1200166249	constant_power_B_real	2273.38	0.0	1136.69	0.0
load	N_1200166249	constant_power_C_real	2273.38	0.0	1136.69	0.0
load	N_1200166249	constant_power_A_reac	1138.1	0.0	569.05	0.0
load	N_1200166249	constant_power_B_reac	1138.1	0.0	569.05	0.0
load	N_1200166249	constant_power_C_reac	1138.1	0.0	569.05	0.0
load	N_1200083958	constant_power_A	1681.86	1042.32	840.93	521.16
load	N_1200083958	constant_power_B	1681.86	1042.32	840.93	521.16

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200083958	constant_power_C	1681.86	1042.32	840.93	521.16
load	N_1200083958	constant_power_A_real	1681.86	0.0	840.93	0.0
load	N_1200083958	constant_power_B_real	1681.86	0.0	840.93	0.0
load	N_1200083958	constant_power_C_real	1681.86	0.0	840.93	0.0
load	N_1200083958	constant_power_A_reac	1042.32	0.0	521.16	0.0
load	N_1200083958	constant_power_B_reac	1042.32	0.0	521.16	0.0
load	N_1200083958	constant_power_C_reac	1042.32	0.0	521.16	0.0
load	N_1200109806	constant_power_A	6028.78	2133.73	3014.39	1066.865
load	N_1200109806	constant_power_B	6028.78	2133.73	3014.39	1066.865
load	N_1200109806	constant_power_A_real	6028.78	0.0	3014.39	0.0
load	N_1200109806	constant_power_B_real	6028.78	0.0	3014.39	0.0
load	N_1200109806	constant_power_A_reac	2133.73	0.0	1066.865	0.0
load	N_1200109806	constant_power_B_reac	2133.73	0.0	1066.865	0.0
load	N_1200129554	constant_power_A	2062.35	677.862	1031.175	338.931
load	N_1200129554	constant_power_B	2062.35	677.862	1031.175	338.931
load	N_1200129554	constant_power_C	2062.35	677.862	1031.175	338.931
load	N_1200129554	constant_power_A_real	2062.35	0.0	1031.175	0.0
load	N_1200129554	constant_power_B_real	2062.35	0.0	1031.175	0.0
load	N_1200129554	constant_power_C_real	2062.35	0.0	1031.175	0.0
load	N_1200129554	constant_power_A_reac	677.862	0.0	338.931	0.0
load	N_1200129554	constant_power_B_reac	677.862	0.0	338.931	0.0
load	N_1200129554	constant_power_C_reac	677.862	0.0	338.931	0.0
load	N_1200129555	constant_power_A	3469.23	1305.94	1734.615	652.97
load	N_1200129555	constant_power_B	3469.23	1305.94	1734.615	652.97
load	N_1200129555	constant_power_C	3469.23	1305.94	1734.615	652.97
load	N_1200129555	constant_power_A_real	3469.23	0.0	1734.615	0.0
load	N_1200129555	constant_power_B_real	3469.23	0.0	1734.615	0.0
load	N_1200129555	constant_power_C_real	3469.23	0.0	1734.615	0.0
load	N_1200129555	constant_power_A_reac	1305.94	0.0	652.97	0.0
load	N_1200129555	constant_power_B_reac	1305.94	0.0	652.97	0.0
load	N_1200129555	constant_power_C_reac	1305.94	0.0	652.97	0.0
load	N_1200109802	constant_power_A	920.864	330.593	460.432	165.2965
load	N_1200109802	constant_power_B	920.864	330.593	460.432	165.2965
load	N_1200109802	constant_power_C	920.864	330.593	460.432	165.2965
load	N_1200109802	constant_power_A_real	920.864	0.0	460.432	0.0
load	N_1200109802	constant_power_B_real	920.864	0.0	460.432	0.0
load	N_1200109802	constant_power_C_real	920.864	0.0	460.432	0.0
load	N_1200109802	constant_power_A_reac	330.593	0.0	165.2965	0.0
load	N_1200109802	constant_power_B_reac	330.593	0.0	165.2965	0.0
load	N_1200109802	constant_power_C_reac	330.593	0.0	165.2965	0.0
load	N_1200129557	constant_power_A	4898.48	2617.02	2449.24	1308.51
load	N_1200129557	constant_power_B	4898.48	2617.02	2449.24	1308.51
load	N_1200129557	constant_power_C	4898.48	2617.02	2449.24	1308.51
load	N_1200129557	constant_power_A_real	4898.48	0.0	2449.24	0.0
load	N_1200129557	constant_power_B_real	4898.48	0.0	2449.24	0.0
load	N_1200129557	constant_power_C_real	4898.48	0.0	2449.24	0.0
load	N_1200129557	constant_power_A_reac	2617.02	0.0	1308.51	0.0
load	N_1200129557	constant_power_B_reac	2617.02	0.0	1308.51	0.0
load	N_1200129557	constant_power_C_reac	2617.02	0.0	1308.51	0.0
load	N_1200071800	constant_power_A	1199.04	394.106	599.52	197.053
load	N_1200071800	constant_power_B	1199.04	394.106	599.52	197.053
load	N_1200071800	constant_power_A_real	1199.04	0.0	599.52	0.0
load	N_1200071800	constant_power_B_real	1199.04	0.0	599.52	0.0
load	N_1200071800	constant_power_A_reac	394.106	0.0	197.053	0.0
load	N_1200071800	constant_power_B_reac	394.106	0.0	197.053	0.0
load	N_1200097012	constant_power_A	3427.66	1126.62	1713.83	563.31
load	N_1200097012	constant_power_B	3427.66	1126.62	1713.83	563.31
load	N_1200097012	constant_power_C	3427.66	1126.62	1713.83	563.31
load	N_1200097012	constant_power_A_real	3427.66	0.0	1713.83	0.0
load	N_1200097012	constant_power_B_real	3427.66	0.0	1713.83	0.0
load	N_1200097012	constant_power_C_real	3427.66	0.0	1713.83	0.0
load	N_1200097012	constant_power_A_reac	1126.62	0.0	563.31	0.0
load	N_1200097012	constant_power_B_reac	1126.62	0.0	563.31	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200097012	constant_power_C_reac	1126.62	0.0	563.31	0.0
load	N_1200082224	constant_power_A	24333.3	15080.4	12166.65	7540.2
load	N_1200082224	constant_power_B	24333.3	15080.4	12166.65	7540.2
load	N_1200082224	constant_power_C	24333.3	15080.4	12166.65	7540.2
load	N_1200082224	constant_power_A_real	24333.3	0.0	12166.65	0.0
load	N_1200082224	constant_power_B_real	24333.3	0.0	12166.65	0.0
load	N_1200082224	constant_power_C_real	24333.3	0.0	12166.65	0.0
load	N_1200082224	constant_power_A_reac	15080.4	0.0	7540.2	0.0
load	N_1200082224	constant_power_B_reac	15080.4	0.0	7540.2	0.0
load	N_1200082224	constant_power_C_reac	15080.4	0.0	7540.2	0.0
load	N_1200071806	constant_power_A	956.036	478.959	478.018	239.4795
load	N_1200071806	constant_power_B	956.036	478.959	478.018	239.4795
load	N_1200071806	constant_power_C	956.036	478.959	478.018	239.4795
load	N_1200071806	constant_power_A_real	956.036	0.0	478.018	0.0
load	N_1200071806	constant_power_B_real	956.036	0.0	478.018	0.0
load	N_1200071806	constant_power_C_real	956.036	0.0	478.018	0.0
load	N_1200071806	constant_power_A_reac	478.959	0.0	239.4795	0.0
load	N_1200071806	constant_power_B_reac	478.959	0.0	239.4795	0.0
load	N_1200071806	constant_power_C_reac	478.959	0.0	239.4795	0.0
load	N_1200110304	constant_power_A	892.087	552.866	446.0435	276.433
load	N_1200110304	constant_power_B	892.087	552.866	446.0435	276.433
load	N_1200110304	constant_power_C	892.087	552.866	446.0435	276.433
load	N_1200110304	constant_power_A_real	892.087	0.0	446.0435	0.0
load	N_1200110304	constant_power_B_real	892.087	0.0	446.0435	0.0
load	N_1200110304	constant_power_C_real	892.087	0.0	446.0435	0.0
load	N_1200110304	constant_power_A_reac	552.866	0.0	276.433	0.0
load	N_1200110304	constant_power_B_reac	552.866	0.0	276.433	0.0
load	N_1200110304	constant_power_C_reac	552.866	0.0	276.433	0.0
load	N_1200104661	constant_power_A	6996.01	2706.17	3498.005	1353.085
load	N_1200104661	constant_power_B	6996.01	2706.17	3498.005	1353.085
load	N_1200104661	constant_power_C	6996.01	2706.17	3498.005	1353.085
load	N_1200104661	constant_power_A_real	6996.01	0.0	3498.005	0.0
load	N_1200104661	constant_power_B_real	6996.01	0.0	3498.005	0.0
load	N_1200104661	constant_power_C_real	6996.01	0.0	3498.005	0.0
load	N_1200104661	constant_power_A_reac	2706.17	0.0	1353.085	0.0
load	N_1200104661	constant_power_B_reac	2706.17	0.0	1353.085	0.0
load	N_1200104661	constant_power_C_reac	2706.17	0.0	1353.085	0.0
load	N_1200130234	constant_power_A	2046.36	841.985	1023.18	420.9925
load	N_1200130234	constant_power_B	2046.36	841.985	1023.18	420.9925
load	N_1200130234	constant_power_C	2046.36	841.985	1023.18	420.9925
load	N_1200130234	constant_power_A_real	2046.36	0.0	1023.18	0.0
load	N_1200130234	constant_power_B_real	2046.36	0.0	1023.18	0.0
load	N_1200130234	constant_power_C_real	2046.36	0.0	1023.18	0.0
load	N_1200130234	constant_power_A_reac	841.985	0.0	420.9925	0.0
load	N_1200130234	constant_power_B_reac	841.985	0.0	420.9925	0.0
load	N_1200130234	constant_power_C_reac	841.985	0.0	420.9925	0.0
load	N_1200020601	constant_power_A	1963.23	645.283	981.615	322.6415
load	N_1200020601	constant_power_B	1963.23	645.283	981.615	322.6415
load	N_1200020601	constant_power_C	1963.23	645.283	981.615	322.6415
load	N_1200020601	constant_power_A_real	1963.23	0.0	981.615	0.0
load	N_1200020601	constant_power_B_real	1963.23	0.0	981.615	0.0
load	N_1200020601	constant_power_C_real	1963.23	0.0	981.615	0.0
load	N_1200020601	constant_power_A_reac	645.283	0.0	322.6415	0.0
load	N_1200020601	constant_power_B_reac	645.283	0.0	322.6415	0.0
load	N_1200020601	constant_power_C_reac	645.283	0.0	322.6415	0.0
load	N_1200020603	constant_power_A	3645.09	1339.54	1822.545	669.77
load	N_1200020603	constant_power_B	3645.09	1339.54	1822.545	669.77
load	N_1200020603	constant_power_C	3645.09	1339.54	1822.545	669.77
load	N_1200020603	constant_power_A_real	3645.09	0.0	1822.545	0.0
load	N_1200020603	constant_power_B_real	3645.09	0.0	1822.545	0.0
load	N_1200020603	constant_power_C_real	3645.09	0.0	1822.545	0.0
load	N_1200020603	constant_power_A_reac	1339.54	0.0	669.77	0.0
load	N_1200020603	constant_power_B_reac	1339.54	0.0	669.77	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200020603	constant_power_C_reac	1339.54	0.0	669.77	0.0
load	N_1200129882	constant_power_A	3581.14	1335.27	1790.57	667.635
load	N_1200129882	constant_power_B	3581.14	1335.27	1790.57	667.635
load	N_1200129882	constant_power_C	3581.14	1335.27	1790.57	667.635
load	N_1200129882	constant_power_A_real	3581.14	0.0	1790.57	0.0
load	N_1200129882	constant_power_B_real	3581.14	0.0	1790.57	0.0
load	N_1200129882	constant_power_C_real	3581.14	0.0	1790.57	0.0
load	N_1200129882	constant_power_A_reac	1335.27	0.0	667.635	0.0
load	N_1200129882	constant_power_B_reac	1335.27	0.0	667.635	0.0
load	N_1200129882	constant_power_C_reac	1335.27	0.0	667.635	0.0
load	N_1200130200	constant_power_A	4009.59	2484.92	2004.795	1242.46
load	N_1200130200	constant_power_B	4009.59	2484.92	2004.795	1242.46
load	N_1200130200	constant_power_C	4009.59	2484.92	2004.795	1242.46
load	N_1200130200	constant_power_A_real	4009.59	0.0	2004.795	0.0
load	N_1200130200	constant_power_B_real	4009.59	0.0	2004.795	0.0
load	N_1200130200	constant_power_C_real	4009.59	0.0	2004.795	0.0
load	N_1200130200	constant_power_A_reac	2484.92	0.0	1242.46	0.0
load	N_1200130200	constant_power_B_reac	2484.92	0.0	1242.46	0.0
load	N_1200130200	constant_power_C_reac	2484.92	0.0	1242.46	0.0
load	N_1200159245	constant_power_A	2318.15	812.193	1159.075	406.0965
load	N_1200159245	constant_power_B	2318.15	812.193	1159.075	406.0965
load	N_1200159245	constant_power_C	2318.15	812.193	1159.075	406.0965
load	N_1200159245	constant_power_A_real	2318.15	0.0	1159.075	0.0
load	N_1200159245	constant_power_B_real	2318.15	0.0	1159.075	0.0
load	N_1200159245	constant_power_C_real	2318.15	0.0	1159.075	0.0
load	N_1200159245	constant_power_A_reac	812.193	0.0	406.0965	0.0
load	N_1200159245	constant_power_B_reac	812.193	0.0	406.0965	0.0
load	N_1200159245	constant_power_C_reac	812.193	0.0	406.0965	0.0
load	N_1200130299	constant_power_A	3011.99	989.994	1505.995	494.997
load	N_1200130299	constant_power_B	3011.99	989.994	1505.995	494.997
load	N_1200130299	constant_power_C	3011.99	989.994	1505.995	494.997
load	N_1200130299	constant_power_A_real	3011.99	0.0	1505.995	0.0
load	N_1200130299	constant_power_B_real	3011.99	0.0	1505.995	0.0
load	N_1200130299	constant_power_C_real	3011.99	0.0	1505.995	0.0
load	N_1200130299	constant_power_A_reac	989.994	0.0	494.997	0.0
load	N_1200130299	constant_power_B_reac	989.994	0.0	494.997	0.0
load	N_1200130299	constant_power_C_reac	989.994	0.0	494.997	0.0
load	N_1200110199	constant_power_A	5304.56	1743.52	2652.28	871.76
load	N_1200110199	constant_power_B	5304.56	1743.52	2652.28	871.76
load	N_1200110199	constant_power_C	5304.56	1743.52	2652.28	871.76
load	N_1200110199	constant_power_A_real	5304.56	0.0	2652.28	0.0
load	N_1200110199	constant_power_B_real	5304.56	0.0	2652.28	0.0
load	N_1200110199	constant_power_C_real	5304.56	0.0	2652.28	0.0
load	N_1200110199	constant_power_A_reac	1743.52	0.0	871.76	0.0
load	N_1200110199	constant_power_B_reac	1743.52	0.0	871.76	0.0
load	N_1200110199	constant_power_C_reac	1743.52	0.0	871.76	0.0
load	N_1200166240	constant_power_A	2049.56	673.658	1024.78	336.829
load	N_1200166240	constant_power_B	2049.56	673.658	1024.78	336.829
load	N_1200166240	constant_power_C	2049.56	673.658	1024.78	336.829
load	N_1200166240	constant_power_A_real	2049.56	0.0	1024.78	0.0
load	N_1200166240	constant_power_B_real	2049.56	0.0	1024.78	0.0
load	N_1200166240	constant_power_C_real	2049.56	0.0	1024.78	0.0
load	N_1200166240	constant_power_A_reac	673.658	0.0	336.829	0.0
load	N_1200166240	constant_power_B_reac	673.658	0.0	336.829	0.0
load	N_1200166240	constant_power_C_reac	673.658	0.0	336.829	0.0
load	N_1200109871	constant_power_A	1541.17	955.13	770.585	477.565
load	N_1200109871	constant_power_B	1541.17	955.13	770.585	477.565
load	N_1200109871	constant_power_C	1541.17	955.13	770.585	477.565
load	N_1200109871	constant_power_A_real	1541.17	0.0	770.585	0.0
load	N_1200109871	constant_power_B_real	1541.17	0.0	770.585	0.0
load	N_1200109871	constant_power_C_real	1541.17	0.0	770.585	0.0
load	N_1200109871	constant_power_A_reac	955.13	0.0	477.565	0.0
load	N_1200109871	constant_power_B_reac	955.13	0.0	477.565	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200109871	constant_power_C_reac	955.13	0.0	477.565	0.0
load	N_1200109872	constant_power_A	6171.07	2502.96	3085.535	1251.48
load	N_1200109872	constant_power_B	6171.07	2502.96	3085.535	1251.48
load	N_1200109872	constant_power_C	6171.07	2502.96	3085.535	1251.48
load	N_1200109872	constant_power_A_real	6171.07	0.0	3085.535	0.0
load	N_1200109872	constant_power_B_real	6171.07	0.0	3085.535	0.0
load	N_1200109872	constant_power_C_real	6171.07	0.0	3085.535	0.0
load	N_1200109872	constant_power_A_reac	2502.96	0.0	1251.48	0.0
load	N_1200109872	constant_power_B_reac	2502.96	0.0	1251.48	0.0
load	N_1200109872	constant_power_C_reac	2502.96	0.0	1251.48	0.0
load	N_1200109874	constant_power_A	1243.81	408.819	621.905	204.4095
load	N_1200109874	constant_power_B	1243.81	408.819	621.905	204.4095
load	N_1200109874	constant_power_C	1243.81	408.819	621.905	204.4095
load	N_1200109874	constant_power_A_real	1243.81	0.0	621.905	0.0
load	N_1200109874	constant_power_B_real	1243.81	0.0	621.905	0.0
load	N_1200109874	constant_power_C_real	1243.81	0.0	621.905	0.0
load	N_1200109874	constant_power_A_reac	408.819	0.0	204.4095	0.0
load	N_1200109874	constant_power_B_reac	408.819	0.0	204.4095	0.0
load	N_1200109874	constant_power_C_reac	408.819	0.0	204.4095	0.0
load	N_1200130185	constant_power_A	4914.47	2493.84	2457.235	1246.92
load	N_1200130185	constant_power_B	4914.47	2493.84	2457.235	1246.92
load	N_1200130185	constant_power_C	4914.47	2493.84	2457.235	1246.92
load	N_1200130185	constant_power_A_real	4914.47	0.0	2457.235	0.0
load	N_1200130185	constant_power_B_real	4914.47	0.0	2457.235	0.0
load	N_1200130185	constant_power_C_real	4914.47	0.0	2457.235	0.0
load	N_1200130185	constant_power_A_reac	2493.84	0.0	1246.92	0.0
load	N_1200130185	constant_power_B_reac	2493.84	0.0	1246.92	0.0
load	N_1200130185	constant_power_C_reac	2493.84	0.0	1246.92	0.0
load	N_1200130184	constant_power_A	7027.98	3451.89	3513.99	1725.945
load	N_1200130184	constant_power_B	7027.98	3451.89	3513.99	1725.945
load	N_1200130184	constant_power_C	7027.98	3451.89	3513.99	1725.945
load	N_1200130184	constant_power_A_real	7027.98	0.0	3513.99	0.0
load	N_1200130184	constant_power_B_real	7027.98	0.0	3513.99	0.0
load	N_1200130184	constant_power_C_real	7027.98	0.0	3513.99	0.0
load	N_1200130184	constant_power_A_reac	3451.89	0.0	1725.945	0.0
load	N_1200130184	constant_power_B_reac	3451.89	0.0	1725.945	0.0
load	N_1200130184	constant_power_C_reac	3451.89	0.0	1725.945	0.0
load	N_1200109723	constant_power_A	1310.95	812.455	655.475	406.2275
load	N_1200109723	constant_power_B	1310.95	812.455	655.475	406.2275
load	N_1200109723	constant_power_C	1310.95	812.455	655.475	406.2275
load	N_1200109723	constant_power_A_real	1310.95	0.0	655.475	0.0
load	N_1200109723	constant_power_B_real	1310.95	0.0	655.475	0.0
load	N_1200109723	constant_power_C_real	1310.95	0.0	655.475	0.0
load	N_1200109723	constant_power_A_reac	812.455	0.0	406.2275	0.0
load	N_1200109723	constant_power_B_reac	812.455	0.0	406.2275	0.0
load	N_1200109723	constant_power_C_reac	812.455	0.0	406.2275	0.0
load	N_1200109722	constant_power_A	904.877	332.783	452.4385	166.3915
load	N_1200109722	constant_power_B	904.877	332.783	452.4385	166.3915
load	N_1200109722	constant_power_C	904.877	332.783	452.4385	166.3915
load	N_1200109722	constant_power_A_real	904.877	0.0	452.4385	0.0
load	N_1200109722	constant_power_B_real	904.877	0.0	452.4385	0.0
load	N_1200109722	constant_power_C_real	904.877	0.0	452.4385	0.0
load	N_1200109722	constant_power_A_reac	332.783	0.0	166.3915	0.0
load	N_1200109722	constant_power_B_reac	332.783	0.0	166.3915	0.0
load	N_1200109722	constant_power_C_reac	332.783	0.0	166.3915	0.0
load	N_1200130180	constant_power_A	700.24	433.97	350.12	216.985
load	N_1200130180	constant_power_B	700.24	433.97	350.12	216.985
load	N_1200130180	constant_power_C	700.24	433.97	350.12	216.985
load	N_1200130180	constant_power_A_real	700.24	0.0	350.12	0.0
load	N_1200130180	constant_power_B_real	700.24	0.0	350.12	0.0
load	N_1200130180	constant_power_C_real	700.24	0.0	350.12	0.0
load	N_1200130180	constant_power_A_reac	433.97	0.0	216.985	0.0
load	N_1200130180	constant_power_B_reac	433.97	0.0	216.985	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130180	constant_power_C_reac	433.97	0.0	216.985	0.0
load	N_1200457745	constant_power_A	4131.1	2560.22	2065.55	1280.11
load	N_1200457745	constant_power_B	4131.1	2560.22	2065.55	1280.11
load	N_1200457745	constant_power_C	4131.1	2560.22	2065.55	1280.11
load	N_1200457745	constant_power_A_real	4131.1	0.0	2065.55	0.0
load	N_1200457745	constant_power_B_real	4131.1	0.0	2065.55	0.0
load	N_1200457745	constant_power_C_real	4131.1	0.0	2065.55	0.0
load	N_1200457745	constant_power_A_reac	2560.22	0.0	1280.11	0.0
load	N_1200457745	constant_power_B_reac	2560.22	0.0	1280.11	0.0
load	N_1200457745	constant_power_C_reac	2560.22	0.0	1280.11	0.0
load	N_1200129785	constant_power_A	2295.76	1422.79	1147.88	711.395
load	N_1200129785	constant_power_B	2295.76	1422.79	1147.88	711.395
load	N_1200129785	constant_power_C	2295.76	1422.79	1147.88	711.395
load	N_1200129785	constant_power_A_real	2295.76	0.0	1147.88	0.0
load	N_1200129785	constant_power_B_real	2295.76	0.0	1147.88	0.0
load	N_1200129785	constant_power_C_real	2295.76	0.0	1147.88	0.0
load	N_1200129785	constant_power_A_reac	1422.79	0.0	711.395	0.0
load	N_1200129785	constant_power_B_reac	1422.79	0.0	711.395	0.0
load	N_1200129785	constant_power_C_reac	1422.79	0.0	711.395	0.0
load	N_1200501493	constant_power_A	930.456	576.645	465.228	288.3225
load	N_1200501493	constant_power_B	930.456	576.645	465.228	288.3225
load	N_1200501493	constant_power_C	930.456	576.645	465.228	288.3225
load	N_1200501493	constant_power_A_real	930.456	0.0	465.228	0.0
load	N_1200501493	constant_power_B_real	930.456	0.0	465.228	0.0
load	N_1200501493	constant_power_C_real	930.456	0.0	465.228	0.0
load	N_1200501493	constant_power_A_reac	576.645	0.0	288.3225	0.0
load	N_1200501493	constant_power_B_reac	576.645	0.0	288.3225	0.0
load	N_1200501493	constant_power_C_reac	576.645	0.0	288.3225	0.0
load	N_1200066150	constant_power_A	847.323	278.501	423.6615	139.2505
load	N_1200066150	constant_power_B	847.323	278.501	423.6615	139.2505
load	N_1200066150	constant_power_C	847.323	278.501	423.6615	139.2505
load	N_1200066150	constant_power_A_real	847.323	0.0	423.6615	0.0
load	N_1200066150	constant_power_B_real	847.323	0.0	423.6615	0.0
load	N_1200066150	constant_power_C_real	847.323	0.0	423.6615	0.0
load	N_1200066150	constant_power_A_reac	278.501	0.0	139.2505	0.0
load	N_1200066150	constant_power_B_reac	278.501	0.0	139.2505	0.0
load	N_1200066150	constant_power_C_reac	278.501	0.0	139.2505	0.0
load	N_1200130269	constant_power_A	2276.58	748.276	1138.29	374.138
load	N_1200130269	constant_power_B	2276.58	748.276	1138.29	374.138
load	N_1200130269	constant_power_C	2276.58	748.276	1138.29	374.138
load	N_1200130269	constant_power_A_real	2276.58	0.0	1138.29	0.0
load	N_1200130269	constant_power_B_real	2276.58	0.0	1138.29	0.0
load	N_1200130269	constant_power_C_real	2276.58	0.0	1138.29	0.0
load	N_1200130269	constant_power_A_reac	748.276	0.0	374.138	0.0
load	N_1200130269	constant_power_B_reac	748.276	0.0	374.138	0.0
load	N_1200130269	constant_power_C_reac	748.276	0.0	374.138	0.0
load	N_1200160325	constant_power_A	5176.66	2343.63	2588.33	1171.815
load	N_1200160325	constant_power_B	5176.66	2343.63	2588.33	1171.815
load	N_1200160325	constant_power_C	5176.66	2343.63	2588.33	1171.815
load	N_1200160325	constant_power_A_real	5176.66	0.0	2588.33	0.0
load	N_1200160325	constant_power_B_real	5176.66	0.0	2588.33	0.0
load	N_1200160325	constant_power_C_real	5176.66	0.0	2588.33	0.0
load	N_1200160325	constant_power_A_reac	2343.63	0.0	1171.815	0.0
load	N_1200160325	constant_power_B_reac	2343.63	0.0	1171.815	0.0
load	N_1200160325	constant_power_C_reac	2343.63	0.0	1171.815	0.0
load	N_1200167246	constant_power_A	2251.0	826.418	1125.5	413.209
load	N_1200167246	constant_power_B	2251.0	826.418	1125.5	413.209
load	N_1200167246	constant_power_C	2251.0	826.418	1125.5	413.209
load	N_1200167246	constant_power_A_real	2251.0	0.0	1125.5	0.0
load	N_1200167246	constant_power_B_real	2251.0	0.0	1125.5	0.0
load	N_1200167246	constant_power_C_real	2251.0	0.0	1125.5	0.0
load	N_1200167246	constant_power_A_reac	826.418	0.0	413.209	0.0
load	N_1200167246	constant_power_B_reac	826.418	0.0	413.209	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200167246	constant_power_C_reac	826.418	0.0	413.209	0.0
load	N_1200030216	constant_power_A	79.936	49.5399	39.968	24.76995
load	N_1200030216	constant_power_B	79.936	49.5399	39.968	24.76995
load	N_1200030216	constant_power_C	79.936	49.5399	39.968	24.76995
load	N_1200030216	constant_power_A_real	79.936	0.0	39.968	0.0
load	N_1200030216	constant_power_B_real	79.936	0.0	39.968	0.0
load	N_1200030216	constant_power_C_real	79.936	0.0	39.968	0.0
load	N_1200030216	constant_power_A_reac	49.5399	0.0	24.76995	0.0
load	N_1200030216	constant_power_B_reac	49.5399	0.0	24.76995	0.0
load	N_1200030216	constant_power_C_reac	49.5399	0.0	24.76995	0.0
load	N_1200130006	constant_power_A	1880.1	617.958	940.05	308.979
load	N_1200130006	constant_power_B	1880.1	617.958	940.05	308.979
load	N_1200130006	constant_power_C	1880.1	617.958	940.05	308.979
load	N_1200130006	constant_power_A_real	1880.1	0.0	940.05	0.0
load	N_1200130006	constant_power_B_real	1880.1	0.0	940.05	0.0
load	N_1200130006	constant_power_C_real	1880.1	0.0	940.05	0.0
load	N_1200130006	constant_power_A_reac	617.958	0.0	308.979	0.0
load	N_1200130006	constant_power_B_reac	617.958	0.0	308.979	0.0
load	N_1200130006	constant_power_C_reac	617.958	0.0	308.979	0.0
load	N_1200159287	constant_power_A	1458.03	525.765	729.015	262.8825
load	N_1200159287	constant_power_B	1458.03	525.765	729.015	262.8825
load	N_1200159287	constant_power_C	1458.03	525.765	729.015	262.8825
load	N_1200159287	constant_power_A_real	1458.03	0.0	729.015	0.0
load	N_1200159287	constant_power_B_real	1458.03	0.0	729.015	0.0
load	N_1200159287	constant_power_C_real	1458.03	0.0	729.015	0.0
load	N_1200159287	constant_power_A_reac	525.765	0.0	262.8825	0.0
load	N_1200159287	constant_power_B_reac	525.765	0.0	262.8825	0.0
load	N_1200159287	constant_power_C_reac	525.765	0.0	262.8825	0.0
load	N_1200160228	constant_power_A	2257.4	741.97	1128.7	370.985
load	N_1200160228	constant_power_B	2257.4	741.97	1128.7	370.985
load	N_1200160228	constant_power_C	2257.4	741.97	1128.7	370.985
load	N_1200160228	constant_power_A_real	2257.4	0.0	1128.7	0.0
load	N_1200160228	constant_power_B_real	2257.4	0.0	1128.7	0.0
load	N_1200160228	constant_power_C_real	2257.4	0.0	1128.7	0.0
load	N_1200160228	constant_power_A_reac	741.97	0.0	370.985	0.0
load	N_1200160228	constant_power_B_reac	741.97	0.0	370.985	0.0
load	N_1200160228	constant_power_C_reac	741.97	0.0	370.985	0.0
load	N_1200130012	constant_power_A	2522.78	1563.48	1261.39	781.74
load	N_1200130012	constant_power_B	2522.78	1563.48	1261.39	781.74
load	N_1200130012	constant_power_C	2522.78	1563.48	1261.39	781.74
load	N_1200130012	constant_power_A_real	2522.78	0.0	1261.39	0.0
load	N_1200130012	constant_power_B_real	2522.78	0.0	1261.39	0.0
load	N_1200130012	constant_power_C_real	2522.78	0.0	1261.39	0.0
load	N_1200130012	constant_power_A_reac	1563.48	0.0	781.74	0.0
load	N_1200130012	constant_power_B_reac	1563.48	0.0	781.74	0.0
load	N_1200130012	constant_power_C_reac	1563.48	0.0	781.74	0.0
load	N_1200159282	constant_power_A	1515.59	498.15	757.795	249.075
load	N_1200159282	constant_power_B	1515.59	498.15	757.795	249.075
load	N_1200159282	constant_power_C	1515.59	498.15	757.795	249.075
load	N_1200159282	constant_power_A_real	1515.59	0.0	757.795	0.0
load	N_1200159282	constant_power_B_real	1515.59	0.0	757.795	0.0
load	N_1200159282	constant_power_C_real	1515.59	0.0	757.795	0.0
load	N_1200159282	constant_power_A_reac	498.15	0.0	249.075	0.0
load	N_1200159282	constant_power_B_reac	498.15	0.0	249.075	0.0
load	N_1200159282	constant_power_C_reac	498.15	0.0	249.075	0.0
load	N_1200159528	constant_power_A	514.788	319.037	257.394	159.5185
load	N_1200159528	constant_power_B	514.788	319.037	257.394	159.5185
load	N_1200159528	constant_power_C	514.788	319.037	257.394	159.5185
load	N_1200159528	constant_power_A_real	514.788	0.0	257.394	0.0
load	N_1200159528	constant_power_B_real	514.788	0.0	257.394	0.0
load	N_1200159528	constant_power_C_real	514.788	0.0	257.394	0.0
load	N_1200159528	constant_power_A_reac	319.037	0.0	159.5185	0.0
load	N_1200159528	constant_power_B_reac	319.037	0.0	159.5185	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159528	constant_power_C_reac	319.037	0.0	159.5185	0.0
load	N_1200159526	constant_power_A	6241.41	3868.08	3120.705	1934.04
load	N_1200159526	constant_power_B	6241.41	3868.08	3120.705	1934.04
load	N_1200159526	constant_power_C	6241.41	3868.08	3120.705	1934.04
load	N_1200159526	constant_power_A_real	6241.41	0.0	3120.705	0.0
load	N_1200159526	constant_power_B_real	6241.41	0.0	3120.705	0.0
load	N_1200159526	constant_power_C_real	6241.41	0.0	3120.705	0.0
load	N_1200159526	constant_power_A_reac	3868.08	0.0	1934.04	0.0
load	N_1200159526	constant_power_B_reac	3868.08	0.0	1934.04	0.0
load	N_1200159526	constant_power_C_reac	3868.08	0.0	1934.04	0.0
load	N_1200159527	constant_power_A	1122.3	461.017	561.15	230.5085
load	N_1200159527	constant_power_B	1122.3	461.017	561.15	230.5085
load	N_1200159527	constant_power_C	1122.3	461.017	561.15	230.5085
load	N_1200159527	constant_power_A_real	1122.3	0.0	561.15	0.0
load	N_1200159527	constant_power_B_real	1122.3	0.0	561.15	0.0
load	N_1200159527	constant_power_C_real	1122.3	0.0	561.15	0.0
load	N_1200159527	constant_power_A_reac	461.017	0.0	230.5085	0.0
load	N_1200159527	constant_power_B_reac	461.017	0.0	230.5085	0.0
load	N_1200159527	constant_power_C_reac	461.017	0.0	230.5085	0.0
load	N_1200160223	constant_power_A	1701.04	1054.21	850.52	527.105
load	N_1200160223	constant_power_B	1701.04	1054.21	850.52	527.105
load	N_1200160223	constant_power_C	1701.04	1054.21	850.52	527.105
load	N_1200160223	constant_power_A_real	1701.04	0.0	850.52	0.0
load	N_1200160223	constant_power_B_real	1701.04	0.0	850.52	0.0
load	N_1200160223	constant_power_C_real	1701.04	0.0	850.52	0.0
load	N_1200160223	constant_power_A_reac	1054.21	0.0	527.105	0.0
load	N_1200160223	constant_power_B_reac	1054.21	0.0	527.105	0.0
load	N_1200160223	constant_power_C_reac	1054.21	0.0	527.105	0.0
load	N_1200160225	constant_power_A	2593.13	852.32	1296.565	426.16
load	N_1200160225	constant_power_B	2593.13	852.32	1296.565	426.16
load	N_1200160225	constant_power_C	2593.13	852.32	1296.565	426.16
load	N_1200160225	constant_power_A_real	2593.13	0.0	1296.565	0.0
load	N_1200160225	constant_power_B_real	2593.13	0.0	1296.565	0.0
load	N_1200160225	constant_power_C_real	2593.13	0.0	1296.565	0.0
load	N_1200160225	constant_power_A_reac	852.32	0.0	426.16	0.0
load	N_1200160225	constant_power_B_reac	852.32	0.0	426.16	0.0
load	N_1200160225	constant_power_C_reac	852.32	0.0	426.16	0.0
load	N_1200130056	constant_power_A	1000.8	620.24	500.4	310.12
load	N_1200130056	constant_power_B	1000.8	620.24	500.4	310.12
load	N_1200130056	constant_power_C	1000.8	620.24	500.4	310.12
load	N_1200130056	constant_power_A_real	1000.8	0.0	500.4	0.0
load	N_1200130056	constant_power_B_real	1000.8	0.0	500.4	0.0
load	N_1200130056	constant_power_C_real	1000.8	0.0	500.4	0.0
load	N_1200130056	constant_power_A_reac	620.24	0.0	310.12	0.0
load	N_1200130056	constant_power_B_reac	620.24	0.0	310.12	0.0
load	N_1200130056	constant_power_C_reac	620.24	0.0	310.12	0.0
load	N_1200159289	constant_power_A	1144.68	397.645	572.34	198.8225
load	N_1200159289	constant_power_B	1144.68	397.645	572.34	198.8225
load	N_1200159289	constant_power_C	1144.68	397.645	572.34	198.8225
load	N_1200159289	constant_power_A_real	1144.68	0.0	572.34	0.0
load	N_1200159289	constant_power_B_real	1144.68	0.0	572.34	0.0
load	N_1200159289	constant_power_C_real	1144.68	0.0	572.34	0.0
load	N_1200159289	constant_power_A_reac	397.645	0.0	198.8225	0.0
load	N_1200159289	constant_power_B_reac	397.645	0.0	198.8225	0.0
load	N_1200159289	constant_power_C_reac	397.645	0.0	198.8225	0.0
load	N_1200160226	constant_power_A	2829.74	930.09	1414.87	465.045
load	N_1200160226	constant_power_B	2829.74	930.09	1414.87	465.045
load	N_1200160226	constant_power_C	2829.74	930.09	1414.87	465.045
load	N_1200160226	constant_power_A_real	2829.74	0.0	1414.87	0.0
load	N_1200160226	constant_power_B_real	2829.74	0.0	1414.87	0.0
load	N_1200160226	constant_power_C_real	2829.74	0.0	1414.87	0.0
load	N_1200160226	constant_power_A_reac	930.09	0.0	465.045	0.0
load	N_1200160226	constant_power_B_reac	930.09	0.0	465.045	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160226	constant_power_C_reac	930.09	0.0	465.045	0.0
load	N_1200016797	constant_power_A	1419.66	501.055	709.83	250.5275
load	N_1200016797	constant_power_B	1419.66	501.055	709.83	250.5275
load	N_1200016797	constant_power_C	1419.66	501.055	709.83	250.5275
load	N_1200016797	constant_power_A_real	1419.66	0.0	709.83	0.0
load	N_1200016797	constant_power_B_real	1419.66	0.0	709.83	0.0
load	N_1200016797	constant_power_C_real	1419.66	0.0	709.83	0.0
load	N_1200016797	constant_power_A_reac	501.055	0.0	250.5275	0.0
load	N_1200016797	constant_power_B_reac	501.055	0.0	250.5275	0.0
load	N_1200016797	constant_power_C_reac	501.055	0.0	250.5275	0.0
load	N_1200130298	constant_power_A	1534.77	642.191	767.385	321.0955
load	N_1200130298	constant_power_B	1534.77	642.191	767.385	321.0955
load	N_1200130298	constant_power_C	1534.77	642.191	767.385	321.0955
load	N_1200130298	constant_power_A_real	1534.77	0.0	767.385	0.0
load	N_1200130298	constant_power_B_real	1534.77	0.0	767.385	0.0
load	N_1200130298	constant_power_C_real	1534.77	0.0	767.385	0.0
load	N_1200130298	constant_power_A_reac	642.191	0.0	321.0955	0.0
load	N_1200130298	constant_power_B_reac	642.191	0.0	321.0955	0.0
load	N_1200130298	constant_power_C_reac	642.191	0.0	321.0955	0.0
load	N_1200159441	constant_power_A	2203.04	724.104	1101.52	362.052
load	N_1200159441	constant_power_B	2203.04	724.104	1101.52	362.052
load	N_1200159441	constant_power_C	2203.04	724.104	1101.52	362.052
load	N_1200159441	constant_power_A_real	2203.04	0.0	1101.52	0.0
load	N_1200159441	constant_power_B_real	2203.04	0.0	1101.52	0.0
load	N_1200159441	constant_power_C_real	2203.04	0.0	1101.52	0.0
load	N_1200159441	constant_power_A_reac	724.104	0.0	362.052	0.0
load	N_1200159441	constant_power_B_reac	724.104	0.0	362.052	0.0
load	N_1200159441	constant_power_C_reac	724.104	0.0	362.052	0.0
load	N_1200159440	constant_power_A	1013.59	628.166	506.795	314.083
load	N_1200159440	constant_power_B	1013.59	628.166	506.795	314.083
load	N_1200159440	constant_power_C	1013.59	628.166	506.795	314.083
load	N_1200159440	constant_power_A_real	1013.59	0.0	506.795	0.0
load	N_1200159440	constant_power_B_real	1013.59	0.0	506.795	0.0
load	N_1200159440	constant_power_C_real	1013.59	0.0	506.795	0.0
load	N_1200159440	constant_power_A_reac	628.166	0.0	314.083	0.0
load	N_1200159440	constant_power_B_reac	628.166	0.0	314.083	0.0
load	N_1200159440	constant_power_C_reac	628.166	0.0	314.083	0.0
load	N_1200159443	constant_power_A	2679.46	908.615	1339.73	454.3075
load	N_1200159443	constant_power_B	2679.46	908.615	1339.73	454.3075
load	N_1200159443	constant_power_C	2679.46	908.615	1339.73	454.3075
load	N_1200159443	constant_power_A_real	2679.46	0.0	1339.73	0.0
load	N_1200159443	constant_power_B_real	2679.46	0.0	1339.73	0.0
load	N_1200159443	constant_power_C_real	2679.46	0.0	1339.73	0.0
load	N_1200159443	constant_power_A_reac	908.615	0.0	454.3075	0.0
load	N_1200159443	constant_power_B_reac	908.615	0.0	454.3075	0.0
load	N_1200159443	constant_power_C_reac	908.615	0.0	454.3075	0.0
load	N_1200159442	constant_power_A	2314.95	760.887	1157.475	380.4435
load	N_1200159442	constant_power_B	2314.95	760.887	1157.475	380.4435
load	N_1200159442	constant_power_C	2314.95	760.887	1157.475	380.4435
load	N_1200159442	constant_power_A_real	2314.95	0.0	1157.475	0.0
load	N_1200159442	constant_power_B_real	2314.95	0.0	1157.475	0.0
load	N_1200159442	constant_power_C_real	2314.95	0.0	1157.475	0.0
load	N_1200159442	constant_power_A_reac	760.887	0.0	380.4435	0.0
load	N_1200159442	constant_power_B_reac	760.887	0.0	380.4435	0.0
load	N_1200159442	constant_power_C_reac	760.887	0.0	380.4435	0.0
load	N_1200130118	constant_power_A	1521.98	742.22	760.99	371.11
load	N_1200130118	constant_power_B	1521.98	742.22	760.99	371.11
load	N_1200130118	constant_power_C	1521.98	742.22	760.99	371.11
load	N_1200130118	constant_power_A_real	1521.98	0.0	760.99	0.0
load	N_1200130118	constant_power_B_real	1521.98	0.0	760.99	0.0
load	N_1200130118	constant_power_C_real	1521.98	0.0	760.99	0.0
load	N_1200130118	constant_power_A_reac	742.22	0.0	371.11	0.0
load	N_1200130118	constant_power_B_reac	742.22	0.0	371.11	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130118	constant_power_C_reac	742.22	0.0	371.11	0.0
load	N_1200130292	constant_power_A	732.215	453.786	366.1075	226.893
load	N_1200130292	constant_power_B	732.215	453.786	366.1075	226.893
load	N_1200130292	constant_power_C	732.215	453.786	366.1075	226.893
load	N_1200130292	constant_power_A_real	732.215	0.0	366.1075	0.0
load	N_1200130292	constant_power_B_real	732.215	0.0	366.1075	0.0
load	N_1200130292	constant_power_C_real	732.215	0.0	366.1075	0.0
load	N_1200130292	constant_power_A_reac	453.786	0.0	226.893	0.0
load	N_1200130292	constant_power_B_reac	453.786	0.0	226.893	0.0
load	N_1200130292	constant_power_C_reac	453.786	0.0	226.893	0.0
load	N_1200104256	constant_power_A	4981.62	3087.33	2490.81	1543.665
load	N_1200104256	constant_power_B	4981.62	3087.33	2490.81	1543.665
load	N_1200104256	constant_power_C	4981.62	3087.33	2490.81	1543.665
load	N_1200104256	constant_power_A_real	4981.62	0.0	2490.81	0.0
load	N_1200104256	constant_power_B_real	4981.62	0.0	2490.81	0.0
load	N_1200104256	constant_power_C_real	4981.62	0.0	2490.81	0.0
load	N_1200104256	constant_power_A_reac	3087.33	0.0	1543.665	0.0
load	N_1200104256	constant_power_B_reac	3087.33	0.0	1543.665	0.0
load	N_1200104256	constant_power_C_reac	3087.33	0.0	1543.665	0.0
load	N_1200130294	constant_power_A	3021.58	993.147	1510.79	496.5735
load	N_1200130294	constant_power_B	3021.58	993.147	1510.79	496.5735
load	N_1200130294	constant_power_C	3021.58	993.147	1510.79	496.5735
load	N_1200130294	constant_power_A_real	3021.58	0.0	1510.79	0.0
load	N_1200130294	constant_power_B_real	3021.58	0.0	1510.79	0.0
load	N_1200130294	constant_power_C_real	3021.58	0.0	1510.79	0.0
load	N_1200130294	constant_power_A_reac	993.147	0.0	496.5735	0.0
load	N_1200130294	constant_power_B_reac	993.147	0.0	496.5735	0.0
load	N_1200130294	constant_power_C_reac	993.147	0.0	496.5735	0.0
load	N_1200176578	constant_power_A	860.112	282.705	430.056	141.3525
load	N_1200176578	constant_power_B	860.112	282.705	430.056	141.3525
load	N_1200176578	constant_power_C	860.112	282.705	430.056	141.3525
load	N_1200176578	constant_power_A_real	860.112	0.0	430.056	0.0
load	N_1200176578	constant_power_B_real	860.112	0.0	430.056	0.0
load	N_1200176578	constant_power_C_real	860.112	0.0	430.056	0.0
load	N_1200176578	constant_power_A_reac	282.705	0.0	141.3525	0.0
load	N_1200176578	constant_power_B_reac	282.705	0.0	141.3525	0.0
load	N_1200176578	constant_power_C_reac	282.705	0.0	141.3525	0.0
load	N_1200130296	constant_power_A	4620.31	1518.62	2310.155	759.31
load	N_1200130296	constant_power_B	4620.31	1518.62	2310.155	759.31
load	N_1200130296	constant_power_C	4620.31	1518.62	2310.155	759.31
load	N_1200130296	constant_power_A_real	4620.31	0.0	2310.155	0.0
load	N_1200130296	constant_power_B_real	4620.31	0.0	2310.155	0.0
load	N_1200130296	constant_power_C_real	4620.31	0.0	2310.155	0.0
load	N_1200130296	constant_power_A_reac	1518.62	0.0	759.31	0.0
load	N_1200130296	constant_power_B_reac	1518.62	0.0	759.31	0.0
load	N_1200130296	constant_power_C_reac	1518.62	0.0	759.31	0.0
load	N_1200096656	constant_power_A	2641.09	1636.8	1320.545	818.4
load	N_1200096656	constant_power_B	2641.09	1636.8	1320.545	818.4
load	N_1200096656	constant_power_C	2641.09	1636.8	1320.545	818.4
load	N_1200096656	constant_power_A_real	2641.09	0.0	1320.545	0.0
load	N_1200096656	constant_power_B_real	2641.09	0.0	1320.545	0.0
load	N_1200096656	constant_power_C_real	2641.09	0.0	1320.545	0.0
load	N_1200096656	constant_power_A_reac	1636.8	0.0	818.4	0.0
load	N_1200096656	constant_power_B_reac	1636.8	0.0	818.4	0.0
load	N_1200096656	constant_power_C_reac	1636.8	0.0	818.4	0.0
load	N_1200096657	constant_power_A	22333.3	13841.0	11166.65	6920.5
load	N_1200096657	constant_power_B	22333.3	13841.0	11166.65	6920.5
load	N_1200096657	constant_power_C	22333.3	13841.0	11166.65	6920.5
load	N_1200096657	constant_power_A_real	22333.3	0.0	11166.65	0.0
load	N_1200096657	constant_power_B_real	22333.3	0.0	11166.65	0.0
load	N_1200096657	constant_power_C_real	22333.3	0.0	11166.65	0.0
load	N_1200096657	constant_power_A_reac	13841.0	0.0	6920.5	0.0
load	N_1200096657	constant_power_B_reac	13841.0	0.0	6920.5	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200096657	constant_power_C_reac	13841.0	0.0	6920.5	0.0
load	N_1200096652	constant_power_A	24333.3	15080.4	12166.65	7540.2
load	N_1200096652	constant_power_B	24333.3	15080.4	12166.65	7540.2
load	N_1200096652	constant_power_C	24333.3	15080.4	12166.65	7540.2
load	N_1200096652	constant_power_A_real	24333.3	0.0	12166.65	0.0
load	N_1200096652	constant_power_B_real	24333.3	0.0	12166.65	0.0
load	N_1200096652	constant_power_C_real	24333.3	0.0	12166.65	0.0
load	N_1200096652	constant_power_A_reac	15080.4	0.0	7540.2	0.0
load	N_1200096652	constant_power_B_reac	15080.4	0.0	7540.2	0.0
load	N_1200096652	constant_power_C_reac	15080.4	0.0	7540.2	0.0
load	N_1200109737	constant_power_A	159.872	52.5475	79.936	26.27375
load	N_1200109737	constant_power_B	159.872	52.5475	79.936	26.27375
load	N_1200109737	constant_power_C	159.872	52.5475	79.936	26.27375
load	N_1200109737	constant_power_A_real	159.872	0.0	79.936	0.0
load	N_1200109737	constant_power_B_real	159.872	0.0	79.936	0.0
load	N_1200109737	constant_power_C_real	159.872	0.0	79.936	0.0
load	N_1200109737	constant_power_A_reac	52.5475	0.0	26.27375	0.0
load	N_1200109737	constant_power_B_reac	52.5475	0.0	26.27375	0.0
load	N_1200109737	constant_power_C_reac	52.5475	0.0	26.27375	0.0
load	N_1200109734	constant_power_A	1768.19	581.175	884.095	290.5875
load	N_1200109734	constant_power_B	1768.19	581.175	884.095	290.5875
load	N_1200109734	constant_power_C	1768.19	581.175	884.095	290.5875
load	N_1200109734	constant_power_A_real	1768.19	0.0	884.095	0.0
load	N_1200109734	constant_power_B_real	1768.19	0.0	884.095	0.0
load	N_1200109734	constant_power_C_real	1768.19	0.0	884.095	0.0
load	N_1200109734	constant_power_A_reac	581.175	0.0	290.5875	0.0
load	N_1200109734	constant_power_B_reac	581.175	0.0	290.5875	0.0
load	N_1200109734	constant_power_C_reac	581.175	0.0	290.5875	0.0
load	N_1200159325	constant_power_A	3860.91	1269.02	1930.455	634.51
load	N_1200159325	constant_power_B	3860.91	1269.02	1930.455	634.51
load	N_1200159325	constant_power_A_real	3860.91	0.0	1930.455	0.0
load	N_1200159325	constant_power_B_real	3860.91	0.0	1930.455	0.0
load	N_1200159325	constant_power_A_reac	1269.02	0.0	634.51	0.0
load	N_1200159325	constant_power_B_reac	1269.02	0.0	634.51	0.0
load	N_1200110194	constant_power_A	460.432	151.337	230.216	75.6685
load	N_1200110194	constant_power_B	460.432	151.337	230.216	75.6685
load	N_1200110194	constant_power_C	460.432	151.337	230.216	75.6685
load	N_1200110194	constant_power_A_real	460.432	0.0	230.216	0.0
load	N_1200110194	constant_power_B_real	460.432	0.0	230.216	0.0
load	N_1200110194	constant_power_C_real	460.432	0.0	230.216	0.0
load	N_1200110194	constant_power_A_reac	151.337	0.0	75.6685	0.0
load	N_1200110194	constant_power_B_reac	151.337	0.0	75.6685	0.0
load	N_1200110194	constant_power_C_reac	151.337	0.0	75.6685	0.0
load	N_1200104866	constant_power_A	1461.23	480.284	730.615	240.142
load	N_1200104866	constant_power_B	1461.23	480.284	730.615	240.142
load	N_1200104866	constant_power_C	1461.23	480.284	730.615	240.142
load	N_1200104866	constant_power_A_real	1461.23	0.0	730.615	0.0
load	N_1200104866	constant_power_B_real	1461.23	0.0	730.615	0.0
load	N_1200104866	constant_power_C_real	1461.23	0.0	730.615	0.0
load	N_1200104866	constant_power_A_reac	480.284	0.0	240.142	0.0
load	N_1200104866	constant_power_B_reac	480.284	0.0	240.142	0.0
load	N_1200104866	constant_power_C_reac	480.284	0.0	240.142	0.0
load	N_1200110190	constant_power_A	3648.28	1402.01	1824.14	701.005
load	N_1200110190	constant_power_B	3648.28	1402.01	1824.14	701.005
load	N_1200110190	constant_power_C	3648.28	1402.01	1824.14	701.005
load	N_1200110190	constant_power_A_real	3648.28	0.0	1824.14	0.0
load	N_1200110190	constant_power_B_real	3648.28	0.0	1824.14	0.0
load	N_1200110190	constant_power_C_real	3648.28	0.0	1824.14	0.0
load	N_1200110190	constant_power_A_reac	1402.01	0.0	701.005	0.0
load	N_1200110190	constant_power_B_reac	1402.01	0.0	701.005	0.0
load	N_1200110190	constant_power_C_reac	1402.01	0.0	701.005	0.0
load	N_1200110192	constant_power_A	1119.11	367.832	559.555	183.916
load	N_1200110192	constant_power_B	1119.11	367.832	559.555	183.916

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200110192	constant_power_C	1119.11	367.832	559.555	183.916
load	N_1200110192	constant_power_A_real	1119.11	0.0	559.555	0.0
load	N_1200110192	constant_power_B_real	1119.11	0.0	559.555	0.0
load	N_1200110192	constant_power_C_real	1119.11	0.0	559.555	0.0
load	N_1200110192	constant_power_A_reac	367.832	0.0	183.916	0.0
load	N_1200110192	constant_power_B_reac	367.832	0.0	183.916	0.0
load	N_1200110192	constant_power_C_reac	367.832	0.0	183.916	0.0
load	N_1200110193	constant_power_A	1426.06	468.723	713.03	234.3615
load	N_1200110193	constant_power_B	1426.06	468.723	713.03	234.3615
load	N_1200110193	constant_power_C	1426.06	468.723	713.03	234.3615
load	N_1200110193	constant_power_A_real	1426.06	0.0	713.03	0.0
load	N_1200110193	constant_power_B_real	1426.06	0.0	713.03	0.0
load	N_1200110193	constant_power_C_real	1426.06	0.0	713.03	0.0
load	N_1200110193	constant_power_A_reac	468.723	0.0	234.3615	0.0
load	N_1200110193	constant_power_B_reac	468.723	0.0	234.3615	0.0
load	N_1200110193	constant_power_C_reac	468.723	0.0	234.3615	0.0
load	N_1200018571	constant_power_A	1723.42	618.578	861.71	309.289
load	N_1200018571	constant_power_B	1723.42	618.578	861.71	309.289
load	N_1200018571	constant_power_C	1723.42	618.578	861.71	309.289
load	N_1200018571	constant_power_A_real	1723.42	0.0	861.71	0.0
load	N_1200018571	constant_power_B_real	1723.42	0.0	861.71	0.0
load	N_1200018571	constant_power_C_real	1723.42	0.0	861.71	0.0
load	N_1200018571	constant_power_A_reac	618.578	0.0	309.289	0.0
load	N_1200018571	constant_power_B_reac	618.578	0.0	309.289	0.0
load	N_1200018571	constant_power_C_reac	618.578	0.0	309.289	0.0
load	N_1200110198	constant_power_A	2023.98	762.038	1011.99	381.019
load	N_1200110198	constant_power_B	2023.98	762.038	1011.99	381.019
load	N_1200110198	constant_power_C	2023.98	762.038	1011.99	381.019
load	N_1200110198	constant_power_A_real	2023.98	0.0	1011.99	0.0
load	N_1200110198	constant_power_B_real	2023.98	0.0	1011.99	0.0
load	N_1200110198	constant_power_C_real	2023.98	0.0	1011.99	0.0
load	N_1200110198	constant_power_A_reac	762.038	0.0	381.019	0.0
load	N_1200110198	constant_power_B_reac	762.038	0.0	381.019	0.0
load	N_1200110198	constant_power_C_reac	762.038	0.0	381.019	0.0
load	N_1200018570	constant_power_A	1378.1	452.959	689.05	226.4795
load	N_1200018570	constant_power_B	1378.1	452.959	689.05	226.4795
load	N_1200018570	constant_power_C	1378.1	452.959	689.05	226.4795
load	N_1200018570	constant_power_A_real	1378.1	0.0	689.05	0.0
load	N_1200018570	constant_power_B_real	1378.1	0.0	689.05	0.0
load	N_1200018570	constant_power_C_real	1378.1	0.0	689.05	0.0
load	N_1200018570	constant_power_A_reac	452.959	0.0	226.4795	0.0
load	N_1200018570	constant_power_B_reac	452.959	0.0	226.4795	0.0
load	N_1200018570	constant_power_C_reac	452.959	0.0	226.4795	0.0
load	N_1200166601	constant_power_A	1848.12	729.363	924.06	364.6815
load	N_1200166601	constant_power_B	1848.12	729.363	924.06	364.6815
load	N_1200166601	constant_power_C	1848.12	729.363	924.06	364.6815
load	N_1200166601	constant_power_A_real	1848.12	0.0	924.06	0.0
load	N_1200166601	constant_power_B_real	1848.12	0.0	924.06	0.0
load	N_1200166601	constant_power_C_real	1848.12	0.0	924.06	0.0
load	N_1200166601	constant_power_A_reac	729.363	0.0	364.6815	0.0
load	N_1200166601	constant_power_B_reac	729.363	0.0	364.6815	0.0
load	N_1200166601	constant_power_C_reac	729.363	0.0	364.6815	0.0
load	N_1200020075	constant_power_A	1039.17	341.558	519.585	170.779
load	N_1200020075	constant_power_B	1039.17	341.558	519.585	170.779
load	N_1200020075	constant_power_C	1039.17	341.558	519.585	170.779
load	N_1200020075	constant_power_A_real	1039.17	0.0	519.585	0.0
load	N_1200020075	constant_power_B_real	1039.17	0.0	519.585	0.0
load	N_1200020075	constant_power_C_real	1039.17	0.0	519.585	0.0
load	N_1200020075	constant_power_A_reac	341.558	0.0	170.779	0.0
load	N_1200020075	constant_power_B_reac	341.558	0.0	170.779	0.0
load	N_1200020075	constant_power_C_reac	341.558	0.0	170.779	0.0
load	N_1200066151	constant_power_A	4409.28	2732.62	2204.64	1366.31
load	N_1200066151	constant_power_B	4409.28	2732.62	2204.64	1366.31

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200066151	constant_power_C	4409.28	2732.62	2204.64	1366.31
load	N_1200066151	constant_power_A_real	4409.28	0.0	2204.64	0.0
load	N_1200066151	constant_power_B_real	4409.28	0.0	2204.64	0.0
load	N_1200066151	constant_power_C_real	4409.28	0.0	2204.64	0.0
load	N_1200066151	constant_power_A_reac	2732.62	0.0	1366.31	0.0
load	N_1200066151	constant_power_B_reac	2732.62	0.0	1366.31	0.0
load	N_1200066151	constant_power_C_reac	2732.62	0.0	1366.31	0.0
load	N_1200104863	constant_power_A	1458.03	479.233	729.015	239.6165
load	N_1200104863	constant_power_B	1458.03	479.233	729.015	239.6165
load	N_1200104863	constant_power_A_real	1458.03	0.0	729.015	0.0
load	N_1200104863	constant_power_B_real	1458.03	0.0	729.015	0.0
load	N_1200104863	constant_power_A_reac	479.233	0.0	239.6165	0.0
load	N_1200104863	constant_power_B_reac	479.233	0.0	239.6165	0.0
load	N_1200130378	constant_power_A	4220.63	1387.25	2110.315	693.625
load	N_1200130378	constant_power_B	4220.63	1387.25	2110.315	693.625
load	N_1200130378	constant_power_A_real	4220.63	0.0	2110.315	0.0
load	N_1200130378	constant_power_B_real	4220.63	0.0	2110.315	0.0
load	N_1200130378	constant_power_A_reac	1387.25	0.0	693.625	0.0
load	N_1200130378	constant_power_B_reac	1387.25	0.0	693.625	0.0
load	N_1200063629	constant_power_A	1090.33	675.725	545.165	337.8625
load	N_1200063629	constant_power_B	1090.33	675.725	545.165	337.8625
load	N_1200063629	constant_power_C	1090.33	675.725	545.165	337.8625
load	N_1200063629	constant_power_A_real	1090.33	0.0	545.165	0.0
load	N_1200063629	constant_power_B_real	1090.33	0.0	545.165	0.0
load	N_1200063629	constant_power_C_real	1090.33	0.0	545.165	0.0
load	N_1200063629	constant_power_A_reac	675.725	0.0	337.8625	0.0
load	N_1200063629	constant_power_B_reac	675.725	0.0	337.8625	0.0
load	N_1200063629	constant_power_C_reac	675.725	0.0	337.8625	0.0
load	N_1200071899	constant_power_A	968.826	318.438	484.413	159.219
load	N_1200071899	constant_power_B	968.826	318.438	484.413	159.219
load	N_1200071899	constant_power_C	968.826	318.438	484.413	159.219
load	N_1200071899	constant_power_A_real	968.826	0.0	484.413	0.0
load	N_1200071899	constant_power_B_real	968.826	0.0	484.413	0.0
load	N_1200071899	constant_power_C_real	968.826	0.0	484.413	0.0
load	N_1200071899	constant_power_A_reac	318.438	0.0	159.219	0.0
load	N_1200071899	constant_power_B_reac	318.438	0.0	159.219	0.0
load	N_1200071899	constant_power_C_reac	318.438	0.0	159.219	0.0
load	N_1200166600	constant_power_A	8227.02	4319.7	4113.51	2159.85
load	N_1200166600	constant_power_B	8227.02	4319.7	4113.51	2159.85
load	N_1200166600	constant_power_C	8227.02	4319.7	4113.51	2159.85
load	N_1200166600	constant_power_A_real	8227.02	0.0	4113.51	0.0
load	N_1200166600	constant_power_B_real	8227.02	0.0	4113.51	0.0
load	N_1200166600	constant_power_C_real	8227.02	0.0	4113.51	0.0
load	N_1200166600	constant_power_A_reac	4319.7	0.0	2159.85	0.0
load	N_1200166600	constant_power_B_reac	4319.7	0.0	2159.85	0.0
load	N_1200166600	constant_power_C_reac	4319.7	0.0	2159.85	0.0
load	N_1200160316	constant_power_A	329.337	204.105	164.6685	102.0525
load	N_1200160316	constant_power_B	329.337	204.105	164.6685	102.0525
load	N_1200160316	constant_power_C	329.337	204.105	164.6685	102.0525
load	N_1200160316	constant_power_A_real	329.337	0.0	164.6685	0.0
load	N_1200160316	constant_power_B_real	329.337	0.0	164.6685	0.0
load	N_1200160316	constant_power_C_real	329.337	0.0	164.6685	0.0
load	N_1200160316	constant_power_A_reac	204.105	0.0	102.0525	0.0
load	N_1200160316	constant_power_B_reac	204.105	0.0	102.0525	0.0
load	N_1200160316	constant_power_C_reac	204.105	0.0	102.0525	0.0
load	N_1200166605	constant_power_A	6500.4	4028.59	3250.2	2014.295
load	N_1200166605	constant_power_B	6500.4	4028.59	3250.2	2014.295
load	N_1200166605	constant_power_C	6500.4	4028.59	3250.2	2014.295
load	N_1200166605	constant_power_A_real	6500.4	0.0	3250.2	0.0
load	N_1200166605	constant_power_B_real	6500.4	0.0	3250.2	0.0
load	N_1200166605	constant_power_C_real	6500.4	0.0	3250.2	0.0
load	N_1200166605	constant_power_A_reac	4028.59	0.0	2014.295	0.0
load	N_1200166605	constant_power_B_reac	4028.59	0.0	2014.295	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166605	constant_power_C_reac	4028.59	0.0	2014.295	0.0
load	N_1200160310	constant_power_A	1884.89	619.534	942.445	309.767
load	N_1200160310	constant_power_B	1884.89	619.534	942.445	309.767
load	N_1200160310	constant_power_A_real	1884.89	0.0	942.445	0.0
load	N_1200160310	constant_power_B_real	1884.89	0.0	942.445	0.0
load	N_1200160310	constant_power_A_reac	619.534	0.0	309.767	0.0
load	N_1200160310	constant_power_B_reac	619.534	0.0	309.767	0.0
load	N_1200166607	constant_power_A	271.783	89.3306	135.8915	44.6653
load	N_1200166607	constant_power_B	271.783	89.3306	135.8915	44.6653
load	N_1200166607	constant_power_C	271.783	89.3306	135.8915	44.6653
load	N_1200166607	constant_power_A_real	271.783	0.0	135.8915	0.0
load	N_1200166607	constant_power_B_real	271.783	0.0	135.8915	0.0
load	N_1200166607	constant_power_C_real	271.783	0.0	135.8915	0.0
load	N_1200166607	constant_power_A_reac	89.3306	0.0	44.6653	0.0
load	N_1200166607	constant_power_B_reac	89.3306	0.0	44.6653	0.0
load	N_1200166607	constant_power_C_reac	89.3306	0.0	44.6653	0.0
load	N_1200160312	constant_power_A	3053.56	1819.84	1526.78	909.92
load	N_1200160312	constant_power_B	3053.56	1819.84	1526.78	909.92
load	N_1200160312	constant_power_C	3053.56	1819.84	1526.78	909.92
load	N_1200160312	constant_power_A_real	3053.56	0.0	1526.78	0.0
load	N_1200160312	constant_power_B_real	3053.56	0.0	1526.78	0.0
load	N_1200160312	constant_power_C_real	3053.56	0.0	1526.78	0.0
load	N_1200160312	constant_power_A_reac	1819.84	0.0	909.92	0.0
load	N_1200160312	constant_power_B_reac	1819.84	0.0	909.92	0.0
load	N_1200160312	constant_power_C_reac	1819.84	0.0	909.92	0.0
load	N_1200160256	constant_power_A	3414.87	1828.78	1707.435	914.39
load	N_1200160256	constant_power_B	3414.87	1828.78	1707.435	914.39
load	N_1200160256	constant_power_C	3414.87	1828.78	1707.435	914.39
load	N_1200160256	constant_power_A_real	3414.87	0.0	1707.435	0.0
load	N_1200160256	constant_power_B_real	3414.87	0.0	1707.435	0.0
load	N_1200160256	constant_power_C_real	3414.87	0.0	1707.435	0.0
load	N_1200160256	constant_power_A_reac	1828.78	0.0	914.39	0.0
load	N_1200160256	constant_power_B_reac	1828.78	0.0	914.39	0.0
load	N_1200160256	constant_power_C_reac	1828.78	0.0	914.39	0.0
load	N_1200159231	constant_power_A	1633.89	537.035	816.945	268.5175
load	N_1200159231	constant_power_B	1633.89	537.035	816.945	268.5175
load	N_1200159231	constant_power_C	1633.89	537.035	816.945	268.5175
load	N_1200159231	constant_power_A_real	1633.89	0.0	816.945	0.0
load	N_1200159231	constant_power_B_real	1633.89	0.0	816.945	0.0
load	N_1200159231	constant_power_C_real	1633.89	0.0	816.945	0.0
load	N_1200159231	constant_power_A_reac	537.035	0.0	268.5175	0.0
load	N_1200159231	constant_power_B_reac	537.035	0.0	268.5175	0.0
load	N_1200159231	constant_power_C_reac	537.035	0.0	268.5175	0.0
load	N_1200159236	constant_power_A	1413.27	464.519	706.635	232.2595
load	N_1200159236	constant_power_B	1413.27	464.519	706.635	232.2595
load	N_1200159236	constant_power_C	1413.27	464.519	706.635	232.2595
load	N_1200159236	constant_power_A_real	1413.27	0.0	706.635	0.0
load	N_1200159236	constant_power_B_real	1413.27	0.0	706.635	0.0
load	N_1200159236	constant_power_C_real	1413.27	0.0	706.635	0.0
load	N_1200159236	constant_power_A_reac	464.519	0.0	232.2595	0.0
load	N_1200159236	constant_power_B_reac	464.519	0.0	232.2595	0.0
load	N_1200159236	constant_power_C_reac	464.519	0.0	232.2595	0.0
load	N_1200160318	constant_power_A	2235.01	734.613	1117.505	367.3065
load	N_1200160318	constant_power_B	2235.01	734.613	1117.505	367.3065
load	N_1200160318	constant_power_C	2235.01	734.613	1117.505	367.3065
load	N_1200160318	constant_power_A_real	2235.01	0.0	1117.505	0.0
load	N_1200160318	constant_power_B_real	2235.01	0.0	1117.505	0.0
load	N_1200160318	constant_power_C_real	2235.01	0.0	1117.505	0.0
load	N_1200160318	constant_power_A_reac	734.613	0.0	367.3065	0.0
load	N_1200160318	constant_power_B_reac	734.613	0.0	367.3065	0.0
load	N_1200160318	constant_power_C_reac	734.613	0.0	367.3065	0.0
load	N_1200160252	constant_power_A	1410.07	463.468	705.035	231.734
load	N_1200160252	constant_power_B	1410.07	463.468	705.035	231.734

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160252	constant_power_C	1410.07	463.468	705.035	231.734
load	N_1200160252	constant_power_A_real	1410.07	0.0	705.035	0.0
load	N_1200160252	constant_power_B_real	1410.07	0.0	705.035	0.0
load	N_1200160252	constant_power_C_real	1410.07	0.0	705.035	0.0
load	N_1200160252	constant_power_A_reac	463.468	0.0	231.734	0.0
load	N_1200160252	constant_power_B_reac	463.468	0.0	231.734	0.0
load	N_1200160252	constant_power_C_reac	463.468	0.0	231.734	0.0
load	N_1200129983	constant_power_A	1976.02	649.486	988.01	324.743
load	N_1200129983	constant_power_B	1976.02	649.486	988.01	324.743
load	N_1200129983	constant_power_A_real	1976.02	0.0	988.01	0.0
load	N_1200129983	constant_power_B_real	1976.02	0.0	988.01	0.0
load	N_1200129983	constant_power_A_reac	649.486	0.0	324.743	0.0
load	N_1200129983	constant_power_B_reac	649.486	0.0	324.743	0.0
load	N_1200129873	constant_power_A	872.902	540.976	436.451	270.488
load	N_1200129873	constant_power_B	872.902	540.976	436.451	270.488
load	N_1200129873	constant_power_C	872.902	540.976	436.451	270.488
load	N_1200129873	constant_power_A_real	872.902	0.0	436.451	0.0
load	N_1200129873	constant_power_B_real	872.902	0.0	436.451	0.0
load	N_1200129873	constant_power_C_real	872.902	0.0	436.451	0.0
load	N_1200129873	constant_power_A_reac	540.976	0.0	270.488	0.0
load	N_1200129873	constant_power_B_reac	540.976	0.0	270.488	0.0
load	N_1200129873	constant_power_C_reac	540.976	0.0	270.488	0.0
load	N_1200129981	constant_power_A	767.387	284.801	383.6935	142.4005
load	N_1200129981	constant_power_B	767.387	284.801	383.6935	142.4005
load	N_1200129981	constant_power_C	767.387	284.801	383.6935	142.4005
load	N_1200129981	constant_power_A_real	767.387	0.0	383.6935	0.0
load	N_1200129981	constant_power_B_real	767.387	0.0	383.6935	0.0
load	N_1200129981	constant_power_C_real	767.387	0.0	383.6935	0.0
load	N_1200129981	constant_power_A_reac	284.801	0.0	142.4005	0.0
load	N_1200129981	constant_power_B_reac	284.801	0.0	142.4005	0.0
load	N_1200129981	constant_power_C_reac	284.801	0.0	142.4005	0.0
load	N_1200166416	constant_power_A	1860.91	611.652	930.455	305.826
load	N_1200166416	constant_power_B	1860.91	611.652	930.455	305.826
load	N_1200166416	constant_power_C	1860.91	611.652	930.455	305.826
load	N_1200166416	constant_power_A_real	1860.91	0.0	930.455	0.0
load	N_1200166416	constant_power_B_real	1860.91	0.0	930.455	0.0
load	N_1200166416	constant_power_C_real	1860.91	0.0	930.455	0.0
load	N_1200166416	constant_power_A_reac	611.652	0.0	305.826	0.0
load	N_1200166416	constant_power_B_reac	611.652	0.0	305.826	0.0
load	N_1200166416	constant_power_C_reac	611.652	0.0	305.826	0.0
load	N_1200129984	constant_power_A	246.203	152.583	123.1015	76.2915
load	N_1200129984	constant_power_B	246.203	152.583	123.1015	76.2915
load	N_1200129984	constant_power_C	246.203	152.583	123.1015	76.2915
load	N_1200129984	constant_power_A_real	246.203	0.0	123.1015	0.0
load	N_1200129984	constant_power_B_real	246.203	0.0	123.1015	0.0
load	N_1200129984	constant_power_C_real	246.203	0.0	123.1015	0.0
load	N_1200129984	constant_power_A_reac	152.583	0.0	76.2915	0.0
load	N_1200129984	constant_power_B_reac	152.583	0.0	76.2915	0.0
load	N_1200129984	constant_power_C_reac	152.583	0.0	76.2915	0.0
load	N_1200166418	constant_power_A	3229.42	1238.28	1614.71	619.14
load	N_1200166418	constant_power_B	3229.42	1238.28	1614.71	619.14
load	N_1200166418	constant_power_C	3229.42	1238.28	1614.71	619.14
load	N_1200166418	constant_power_A_real	3229.42	0.0	1614.71	0.0
load	N_1200166418	constant_power_B_real	3229.42	0.0	1614.71	0.0
load	N_1200166418	constant_power_C_real	3229.42	0.0	1614.71	0.0
load	N_1200166418	constant_power_A_reac	1238.28	0.0	619.14	0.0
load	N_1200166418	constant_power_B_reac	1238.28	0.0	619.14	0.0
load	N_1200166418	constant_power_C_reac	1238.28	0.0	619.14	0.0
load	N_1200030901	constant_power_A	1109.51	364.679	554.755	182.3395
load	N_1200030901	constant_power_B	1109.51	364.679	554.755	182.3395
load	N_1200030901	constant_power_C	1109.51	364.679	554.755	182.3395
load	N_1200030901	constant_power_A_real	1109.51	0.0	554.755	0.0
load	N_1200030901	constant_power_B_real	1109.51	0.0	554.755	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200030901	constant_power_C_real	1109.51	0.0	554.755	0.0
load	N_1200030901	constant_power_A_reac	364.679	0.0	182.3395	0.0
load	N_1200030901	constant_power_B_reac	364.679	0.0	182.3395	0.0
load	N_1200030901	constant_power_C_reac	364.679	0.0	182.3395	0.0
load	N_1200071893	constant_power_A	4009.59	1317.89	2004.795	658.945
load	N_1200071893	constant_power_B	4009.59	1317.89	2004.795	658.945
load	N_1200071893	constant_power_C	4009.59	1317.89	2004.795	658.945
load	N_1200071893	constant_power_A_real	4009.59	0.0	2004.795	0.0
load	N_1200071893	constant_power_B_real	4009.59	0.0	2004.795	0.0
load	N_1200071893	constant_power_C_real	4009.59	0.0	2004.795	0.0
load	N_1200071893	constant_power_A_reac	1317.89	0.0	658.945	0.0
load	N_1200071893	constant_power_B_reac	1317.89	0.0	658.945	0.0
load	N_1200071893	constant_power_C_reac	1317.89	0.0	658.945	0.0
load	N_1200159233	constant_power_A	5032.78	2240.5	2516.39	1120.25
load	N_1200159233	constant_power_B	5032.78	2240.5	2516.39	1120.25
load	N_1200159233	constant_power_C	5032.78	2240.5	2516.39	1120.25
load	N_1200159233	constant_power_A_real	5032.78	0.0	2516.39	0.0
load	N_1200159233	constant_power_B_real	5032.78	0.0	2516.39	0.0
load	N_1200159233	constant_power_C_real	5032.78	0.0	2516.39	0.0
load	N_1200159233	constant_power_A_reac	2240.5	0.0	1120.25	0.0
load	N_1200159233	constant_power_B_reac	2240.5	0.0	1120.25	0.0
load	N_1200159233	constant_power_C_reac	2240.5	0.0	1120.25	0.0
load	N_1200159561	constant_power_A	3544.37	1164.98	1772.185	582.49
load	N_1200159561	constant_power_B	3544.37	1164.98	1772.185	582.49
load	N_1200159561	constant_power_A_real	3544.37	0.0	1772.185	0.0
load	N_1200159561	constant_power_B_real	3544.37	0.0	1772.185	0.0
load	N_1200159561	constant_power_A_reac	1164.98	0.0	582.49	0.0
load	N_1200159561	constant_power_B_reac	1164.98	0.0	582.49	0.0
load	N_1200100160	constant_power_A	2382.1	1476.29	1191.05	738.145
load	N_1200100160	constant_power_B	2382.1	1476.29	1191.05	738.145
load	N_1200100160	constant_power_C	2382.1	1476.29	1191.05	738.145
load	N_1200100160	constant_power_A_real	2382.1	0.0	1191.05	0.0
load	N_1200100160	constant_power_B_real	2382.1	0.0	1191.05	0.0
load	N_1200100160	constant_power_C_real	2382.1	0.0	1191.05	0.0
load	N_1200100160	constant_power_A_reac	1476.29	0.0	738.145	0.0
load	N_1200100160	constant_power_B_reac	1476.29	0.0	738.145	0.0
load	N_1200100160	constant_power_C_reac	1476.29	0.0	738.145	0.0
load	N_1200166287	constant_power_A	1346.12	442.45	673.06	221.225
load	N_1200166287	constant_power_B	1346.12	442.45	673.06	221.225
load	N_1200166287	constant_power_C	1346.12	442.45	673.06	221.225
load	N_1200166287	constant_power_A_real	1346.12	0.0	673.06	0.0
load	N_1200166287	constant_power_B_real	1346.12	0.0	673.06	0.0
load	N_1200166287	constant_power_C_real	1346.12	0.0	673.06	0.0
load	N_1200166287	constant_power_A_reac	442.45	0.0	221.225	0.0
load	N_1200166287	constant_power_B_reac	442.45	0.0	221.225	0.0
load	N_1200166287	constant_power_C_reac	442.45	0.0	221.225	0.0
load	N_1200129851	constant_power_A	1189.45	737.154	594.725	368.577
load	N_1200129851	constant_power_B	1189.45	737.154	594.725	368.577
load	N_1200129851	constant_power_C	1189.45	737.154	594.725	368.577
load	N_1200129851	constant_power_A_real	1189.45	0.0	594.725	0.0
load	N_1200129851	constant_power_B_real	1189.45	0.0	594.725	0.0
load	N_1200129851	constant_power_C_real	1189.45	0.0	594.725	0.0
load	N_1200129851	constant_power_A_reac	737.154	0.0	368.577	0.0
load	N_1200129851	constant_power_B_reac	737.154	0.0	368.577	0.0
load	N_1200129851	constant_power_C_reac	737.154	0.0	368.577	0.0
load	N_1200129919	constant_power_A	3219.83	1188.6	1609.915	594.3
load	N_1200129919	constant_power_B	3219.83	1188.6	1609.915	594.3
load	N_1200129919	constant_power_C	3219.83	1188.6	1609.915	594.3
load	N_1200129919	constant_power_A_real	3219.83	0.0	1609.915	0.0
load	N_1200129919	constant_power_B_real	3219.83	0.0	1609.915	0.0
load	N_1200129919	constant_power_C_real	3219.83	0.0	1609.915	0.0
load	N_1200129919	constant_power_A_reac	1188.6	0.0	594.3	0.0
load	N_1200129919	constant_power_B_reac	1188.6	0.0	594.3	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129919	constant_power_C_reac	1188.6	0.0	594.3	0.0
load	N_1200129853	constant_power_A	123640.0	76625.4	61820.0	38312.7
load	N_1200129853	constant_power_B	123640.0	76625.4	61820.0	38312.7
load	N_1200129853	constant_power_C	123640.0	76625.4	61820.0	38312.7
load	N_1200129853	constant_power_A_real	123640.0	0.0	61820.0	0.0
load	N_1200129853	constant_power_B_real	123640.0	0.0	61820.0	0.0
load	N_1200129853	constant_power_C_real	123640.0	0.0	61820.0	0.0
load	N_1200129853	constant_power_A_reac	76625.4	0.0	38312.7	0.0
load	N_1200129853	constant_power_B_reac	76625.4	0.0	38312.7	0.0
load	N_1200129853	constant_power_C_reac	76625.4	0.0	38312.7	0.0
load	N_1200160257	constant_power_A	7603.52	4125.93	3801.76	2062.965
load	N_1200160257	constant_power_B	7603.52	4125.93	3801.76	2062.965
load	N_1200160257	constant_power_C	7603.52	4125.93	3801.76	2062.965
load	N_1200160257	constant_power_A_real	7603.52	0.0	3801.76	0.0
load	N_1200160257	constant_power_B_real	7603.52	0.0	3801.76	0.0
load	N_1200160257	constant_power_C_real	7603.52	0.0	3801.76	0.0
load	N_1200160257	constant_power_A_reac	4125.93	0.0	2062.965	0.0
load	N_1200160257	constant_power_B_reac	4125.93	0.0	2062.965	0.0
load	N_1200160257	constant_power_C_reac	4125.93	0.0	2062.965	0.0
load	N_1200129854	constant_power_A	1096.72	679.688	548.36	339.844
load	N_1200129854	constant_power_B	1096.72	679.688	548.36	339.844
load	N_1200129854	constant_power_C	1096.72	679.688	548.36	339.844
load	N_1200129854	constant_power_A_real	1096.72	0.0	548.36	0.0
load	N_1200129854	constant_power_B_real	1096.72	0.0	548.36	0.0
load	N_1200129854	constant_power_C_real	1096.72	0.0	548.36	0.0
load	N_1200129854	constant_power_A_reac	679.688	0.0	339.844	0.0
load	N_1200129854	constant_power_B_reac	679.688	0.0	339.844	0.0
load	N_1200129854	constant_power_C_reac	679.688	0.0	339.844	0.0
load	N_1200159511	constant_power_A	1112.71	689.596	556.355	344.798
load	N_1200159511	constant_power_B	1112.71	689.596	556.355	344.798
load	N_1200159511	constant_power_C	1112.71	689.596	556.355	344.798
load	N_1200159511	constant_power_A_real	1112.71	0.0	556.355	0.0
load	N_1200159511	constant_power_B_real	1112.71	0.0	556.355	0.0
load	N_1200159511	constant_power_C_real	1112.71	0.0	556.355	0.0
load	N_1200159511	constant_power_A_reac	689.596	0.0	344.798	0.0
load	N_1200159511	constant_power_B_reac	689.596	0.0	344.798	0.0
load	N_1200159511	constant_power_C_reac	689.596	0.0	344.798	0.0
load	N_1200160250	constant_power_A	182.254	112.951	91.127	56.4755
load	N_1200160250	constant_power_B	182.254	112.951	91.127	56.4755
load	N_1200160250	constant_power_C	182.254	112.951	91.127	56.4755
load	N_1200160250	constant_power_A_real	182.254	0.0	91.127	0.0
load	N_1200160250	constant_power_B_real	182.254	0.0	91.127	0.0
load	N_1200160250	constant_power_C_real	182.254	0.0	91.127	0.0
load	N_1200160250	constant_power_A_reac	112.951	0.0	56.4755	0.0
load	N_1200160250	constant_power_B_reac	112.951	0.0	56.4755	0.0
load	N_1200160250	constant_power_C_reac	112.951	0.0	56.4755	0.0
load	N_1200017207	constant_power_A	6641.09	4115.78	3320.545	2057.89
load	N_1200017207	constant_power_B	6641.09	4115.78	3320.545	2057.89
load	N_1200017207	constant_power_C	6641.09	4115.78	3320.545	2057.89
load	N_1200017207	constant_power_A_real	6641.09	0.0	3320.545	0.0
load	N_1200017207	constant_power_B_real	6641.09	0.0	3320.545	0.0
load	N_1200017207	constant_power_C_real	6641.09	0.0	3320.545	0.0
load	N_1200017207	constant_power_A_reac	4115.78	0.0	2057.89	0.0
load	N_1200017207	constant_power_B_reac	4115.78	0.0	2057.89	0.0
load	N_1200017207	constant_power_C_reac	4115.78	0.0	2057.89	0.0
load	N_1200159234	constant_power_A	3613.11	1187.57	1806.555	593.785
load	N_1200159234	constant_power_B	3613.11	1187.57	1806.555	593.785
load	N_1200159234	constant_power_C	3613.11	1187.57	1806.555	593.785
load	N_1200159234	constant_power_A_real	3613.11	0.0	1806.555	0.0
load	N_1200159234	constant_power_B_real	3613.11	0.0	1806.555	0.0
load	N_1200159234	constant_power_C_real	3613.11	0.0	1806.555	0.0
load	N_1200159234	constant_power_A_reac	1187.57	0.0	593.785	0.0
load	N_1200159234	constant_power_B_reac	1187.57	0.0	593.785	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159234	constant_power_C_reac	1187.57	0.0	593.785	0.0
load	N_1200160311	constant_power_A	1742.61	572.767	871.305	286.3835
load	N_1200160311	constant_power_B	1742.61	572.767	871.305	286.3835
load	N_1200160311	constant_power_C	1742.61	572.767	871.305	286.3835
load	N_1200160311	constant_power_A_real	1742.61	0.0	871.305	0.0
load	N_1200160311	constant_power_B_real	1742.61	0.0	871.305	0.0
load	N_1200160311	constant_power_C_real	1742.61	0.0	871.305	0.0
load	N_1200160311	constant_power_A_reac	572.767	0.0	286.3835	0.0
load	N_1200160311	constant_power_B_reac	572.767	0.0	286.3835	0.0
load	N_1200160311	constant_power_C_reac	572.767	0.0	286.3835	0.0
load	N_1200079153	constant_power_A	4745.01	2940.69	2372.505	1470.345
load	N_1200079153	constant_power_B	4745.01	2940.69	2372.505	1470.345
load	N_1200079153	constant_power_C	4745.01	2940.69	2372.505	1470.345
load	N_1200079153	constant_power_A_real	4745.01	0.0	2372.505	0.0
load	N_1200079153	constant_power_B_real	4745.01	0.0	2372.505	0.0
load	N_1200079153	constant_power_C_real	4745.01	0.0	2372.505	0.0
load	N_1200079153	constant_power_A_reac	2940.69	0.0	1470.345	0.0
load	N_1200079153	constant_power_B_reac	2940.69	0.0	1470.345	0.0
load	N_1200079153	constant_power_C_reac	2940.69	0.0	1470.345	0.0
load	N_1200180736	constant_power_A	3232.62	1598.56	1616.31	799.28
load	N_1200180736	constant_power_B	3232.62	1598.56	1616.31	799.28
load	N_1200180736	constant_power_C	3232.62	1598.56	1616.31	799.28
load	N_1200180736	constant_power_A_real	3232.62	0.0	1616.31	0.0
load	N_1200180736	constant_power_B_real	3232.62	0.0	1616.31	0.0
load	N_1200180736	constant_power_C_real	3232.62	0.0	1616.31	0.0
load	N_1200180736	constant_power_A_reac	1598.56	0.0	799.28	0.0
load	N_1200180736	constant_power_B_reac	1598.56	0.0	799.28	0.0
load	N_1200180736	constant_power_C_reac	1598.56	0.0	799.28	0.0
load	N_1200109840	constant_power_A	1605.12	579.693	802.56	289.8465
load	N_1200109840	constant_power_B	1605.12	579.693	802.56	289.8465
load	N_1200109840	constant_power_C	1605.12	579.693	802.56	289.8465
load	N_1200109840	constant_power_A_real	1605.12	0.0	802.56	0.0
load	N_1200109840	constant_power_B_real	1605.12	0.0	802.56	0.0
load	N_1200109840	constant_power_C_real	1605.12	0.0	802.56	0.0
load	N_1200109840	constant_power_A_reac	579.693	0.0	289.8465	0.0
load	N_1200109840	constant_power_B_reac	579.693	0.0	289.8465	0.0
load	N_1200109840	constant_power_C_reac	579.693	0.0	289.8465	0.0
load	N_1200094727	constant_power_A	3411.67	1179.99	1705.835	589.995
load	N_1200094727	constant_power_B	3411.67	1179.99	1705.835	589.995
load	N_1200094727	constant_power_C	3411.67	1179.99	1705.835	589.995
load	N_1200094727	constant_power_A_real	3411.67	0.0	1705.835	0.0
load	N_1200094727	constant_power_B_real	3411.67	0.0	1705.835	0.0
load	N_1200094727	constant_power_C_real	3411.67	0.0	1705.835	0.0
load	N_1200094727	constant_power_A_reac	1179.99	0.0	589.995	0.0
load	N_1200094727	constant_power_B_reac	1179.99	0.0	589.995	0.0
load	N_1200094727	constant_power_C_reac	1179.99	0.0	589.995	0.0
load	N_1200502749	constant_power_A	981.615	608.351	490.8075	304.1755
load	N_1200502749	constant_power_B	981.615	608.351	490.8075	304.1755
load	N_1200502749	constant_power_C	981.615	608.351	490.8075	304.1755
load	N_1200502749	constant_power_A_real	981.615	0.0	490.8075	0.0
load	N_1200502749	constant_power_B_real	981.615	0.0	490.8075	0.0
load	N_1200502749	constant_power_C_real	981.615	0.0	490.8075	0.0
load	N_1200502749	constant_power_A_reac	608.351	0.0	304.1755	0.0
load	N_1200502749	constant_power_B_reac	608.351	0.0	304.1755	0.0
load	N_1200502749	constant_power_C_reac	608.351	0.0	304.1755	0.0
load	N_1200109844	constant_power_A	4716.23	2922.86	2358.115	1461.43
load	N_1200109844	constant_power_B	4716.23	2922.86	2358.115	1461.43
load	N_1200109844	constant_power_C	4716.23	2922.86	2358.115	1461.43
load	N_1200109844	constant_power_A_real	4716.23	0.0	2358.115	0.0
load	N_1200109844	constant_power_B_real	4716.23	0.0	2358.115	0.0
load	N_1200109844	constant_power_C_real	4716.23	0.0	2358.115	0.0
load	N_1200109844	constant_power_A_reac	2922.86	0.0	1461.43	0.0
load	N_1200109844	constant_power_B_reac	2922.86	0.0	1461.43	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200109844	constant_power_C_reac	2922.86	0.0	1461.43	0.0
load	N_1200166254	constant_power_A	1944.05	638.977	972.025	319.4885
load	N_1200166254	constant_power_B	1944.05	638.977	972.025	319.4885
load	N_1200166254	constant_power_C	1944.05	638.977	972.025	319.4885
load	N_1200166254	constant_power_A_real	1944.05	0.0	972.025	0.0
load	N_1200166254	constant_power_B_real	1944.05	0.0	972.025	0.0
load	N_1200166254	constant_power_C_real	1944.05	0.0	972.025	0.0
load	N_1200166254	constant_power_A_reac	638.977	0.0	319.4885	0.0
load	N_1200166254	constant_power_B_reac	638.977	0.0	319.4885	0.0
load	N_1200166254	constant_power_C_reac	638.977	0.0	319.4885	0.0
load	N_1200506989	constant_power_A	1493.21	490.793	746.605	245.3965
load	N_1200506989	constant_power_B	1493.21	490.793	746.605	245.3965
load	N_1200506989	constant_power_C	1493.21	490.793	746.605	245.3965
load	N_1200506989	constant_power_A_real	1493.21	0.0	746.605	0.0
load	N_1200506989	constant_power_B_real	1493.21	0.0	746.605	0.0
load	N_1200506989	constant_power_C_real	1493.21	0.0	746.605	0.0
load	N_1200506989	constant_power_A_reac	490.793	0.0	245.3965	0.0
load	N_1200506989	constant_power_B_reac	490.793	0.0	245.3965	0.0
load	N_1200506989	constant_power_C_reac	490.793	0.0	245.3965	0.0
load	N_1200166250	constant_power_A	3223.02	1059.36	1611.51	529.68
load	N_1200166250	constant_power_B	3223.02	1059.36	1611.51	529.68
load	N_1200166250	constant_power_C	3223.02	1059.36	1611.51	529.68
load	N_1200166250	constant_power_A_real	3223.02	0.0	1611.51	0.0
load	N_1200166250	constant_power_B_real	3223.02	0.0	1611.51	0.0
load	N_1200166250	constant_power_C_real	3223.02	0.0	1611.51	0.0
load	N_1200166250	constant_power_A_reac	1059.36	0.0	529.68	0.0
load	N_1200166250	constant_power_B_reac	1059.36	0.0	529.68	0.0
load	N_1200166250	constant_power_C_reac	1059.36	0.0	529.68	0.0
load	N_1200166251	constant_power_A	1976.02	649.486	988.01	324.743
load	N_1200166251	constant_power_B	1976.02	649.486	988.01	324.743
load	N_1200166251	constant_power_C	1976.02	649.486	988.01	324.743
load	N_1200166251	constant_power_A_real	1976.02	0.0	988.01	0.0
load	N_1200166251	constant_power_B_real	1976.02	0.0	988.01	0.0
load	N_1200166251	constant_power_C_real	1976.02	0.0	988.01	0.0
load	N_1200166251	constant_power_A_reac	649.486	0.0	324.743	0.0
load	N_1200166251	constant_power_B_reac	649.486	0.0	324.743	0.0
load	N_1200166251	constant_power_C_reac	649.486	0.0	324.743	0.0
load	N_1200159496	constant_power_A	1170.26	580.084	585.13	290.042
load	N_1200159496	constant_power_B	1170.26	580.084	585.13	290.042
load	N_1200159496	constant_power_C	1170.26	580.084	585.13	290.042
load	N_1200159496	constant_power_A_real	1170.26	0.0	585.13	0.0
load	N_1200159496	constant_power_B_real	1170.26	0.0	585.13	0.0
load	N_1200159496	constant_power_C_real	1170.26	0.0	585.13	0.0
load	N_1200159496	constant_power_A_reac	580.084	0.0	290.042	0.0
load	N_1200159496	constant_power_B_reac	580.084	0.0	290.042	0.0
load	N_1200159496	constant_power_C_reac	580.084	0.0	290.042	0.0
load	N_1200111325	constant_power_A	9438.85	3102.4	4719.425	1551.2
load	N_1200111325	constant_power_B	9438.85	3102.4	4719.425	1551.2
load	N_1200111325	constant_power_C	9438.85	3102.4	4719.425	1551.2
load	N_1200111325	constant_power_A_real	9438.85	0.0	4719.425	0.0
load	N_1200111325	constant_power_B_real	9438.85	0.0	4719.425	0.0
load	N_1200111325	constant_power_C_real	9438.85	0.0	4719.425	0.0
load	N_1200111325	constant_power_A_reac	3102.4	0.0	1551.2	0.0
load	N_1200111325	constant_power_B_reac	3102.4	0.0	1551.2	0.0
load	N_1200111325	constant_power_C_reac	3102.4	0.0	1551.2	0.0
load	N_1200159494	constant_power_A	4821.75	2866.33	2410.875	1433.165
load	N_1200159494	constant_power_B	4821.75	2866.33	2410.875	1433.165
load	N_1200159494	constant_power_C	4821.75	2866.33	2410.875	1433.165
load	N_1200159494	constant_power_A_real	4821.75	0.0	2410.875	0.0
load	N_1200159494	constant_power_B_real	4821.75	0.0	2410.875	0.0
load	N_1200159494	constant_power_C_real	4821.75	0.0	2410.875	0.0
load	N_1200159494	constant_power_A_reac	2866.33	0.0	1433.165	0.0
load	N_1200159494	constant_power_B_reac	2866.33	0.0	1433.165	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159494	constant_power_C_reac	2866.33	0.0	1433.165	0.0
load	N_1200111327	constant_power_A	16484.4	5418.17	8242.2	2709.085
load	N_1200111327	constant_power_B	16484.4	5418.17	8242.2	2709.085
load	N_1200111327	constant_power_A_real	16484.4	0.0	8242.2	0.0
load	N_1200111327	constant_power_B_real	16484.4	0.0	8242.2	0.0
load	N_1200111327	constant_power_A_reac	5418.17	0.0	2709.085	0.0
load	N_1200111327	constant_power_B_reac	5418.17	0.0	2709.085	0.0
load	N_1200159493	constant_power_A	31.9743	19.8159	15.98715	9.90795
load	N_1200159493	constant_power_B	31.9743	19.8159	15.98715	9.90795
load	N_1200159493	constant_power_C	31.9743	19.8159	15.98715	9.90795
load	N_1200159493	constant_power_A_real	31.9743	0.0	15.98715	0.0
load	N_1200159493	constant_power_B_real	31.9743	0.0	15.98715	0.0
load	N_1200159493	constant_power_C_real	31.9743	0.0	15.98715	0.0
load	N_1200159493	constant_power_A_reac	19.8159	0.0	9.90795	0.0
load	N_1200159493	constant_power_B_reac	19.8159	0.0	9.90795	0.0
load	N_1200159493	constant_power_C_reac	19.8159	0.0	9.90795	0.0
load	N_1200111323	constant_power_A	8386.9	2757.57	4193.45	1378.785
load	N_1200111323	constant_power_B	8386.9	2757.57	4193.45	1378.785
load	N_1200111323	constant_power_C	8386.9	2757.57	4193.45	1378.785
load	N_1200111323	constant_power_A_real	8386.9	0.0	4193.45	0.0
load	N_1200111323	constant_power_B_real	8386.9	0.0	4193.45	0.0
load	N_1200111323	constant_power_C_real	8386.9	0.0	4193.45	0.0
load	N_1200111323	constant_power_A_reac	2757.57	0.0	1378.785	0.0
load	N_1200111323	constant_power_B_reac	2757.57	0.0	1378.785	0.0
load	N_1200111323	constant_power_C_reac	2757.57	0.0	1378.785	0.0
load	N_1200130421	constant_power_A	1342.93	454.428	671.465	227.214
load	N_1200130421	constant_power_B	1342.93	454.428	671.465	227.214
load	N_1200130421	constant_power_C	1342.93	454.428	671.465	227.214
load	N_1200130421	constant_power_A_real	1342.93	0.0	671.465	0.0
load	N_1200130421	constant_power_B_real	1342.93	0.0	671.465	0.0
load	N_1200130421	constant_power_C_real	1342.93	0.0	671.465	0.0
load	N_1200130421	constant_power_A_reac	454.428	0.0	227.214	0.0
load	N_1200130421	constant_power_B_reac	454.428	0.0	227.214	0.0
load	N_1200130421	constant_power_C_reac	454.428	0.0	227.214	0.0
load	N_1200019747	constant_power_A	6.395	2.10193	3.1975	1.050965
load	N_1200019747	constant_power_B	6.395	2.10193	3.1975	1.050965
load	N_1200019747	constant_power_C	6.395	2.10193	3.1975	1.050965
load	N_1200019747	constant_power_A_real	6.395	0.0	3.1975	0.0
load	N_1200019747	constant_power_B_real	6.395	0.0	3.1975	0.0
load	N_1200019747	constant_power_C_real	6.395	0.0	3.1975	0.0
load	N_1200019747	constant_power_A_reac	2.10193	0.0	1.050965	0.0
load	N_1200019747	constant_power_B_reac	2.10193	0.0	1.050965	0.0
load	N_1200019747	constant_power_C_reac	2.10193	0.0	1.050965	0.0
load	N_1200159499	constant_power_A	47.9617	29.724	23.98085	14.862
load	N_1200159499	constant_power_B	47.9617	29.724	23.98085	14.862
load	N_1200159499	constant_power_C	47.9617	29.724	23.98085	14.862
load	N_1200159499	constant_power_A_real	47.9617	0.0	23.98085	0.0
load	N_1200159499	constant_power_B_real	47.9617	0.0	23.98085	0.0
load	N_1200159499	constant_power_C_real	47.9617	0.0	23.98085	0.0
load	N_1200159499	constant_power_A_reac	29.724	0.0	14.862	0.0
load	N_1200159499	constant_power_B_reac	29.724	0.0	14.862	0.0
load	N_1200159499	constant_power_C_reac	29.724	0.0	14.862	0.0
load	N_1200159302	constant_power_A	796.164	261.686	398.082	130.843
load	N_1200159302	constant_power_B	796.164	261.686	398.082	130.843
load	N_1200159302	constant_power_C	796.164	261.686	398.082	130.843
load	N_1200159302	constant_power_A_real	796.164	0.0	398.082	0.0
load	N_1200159302	constant_power_B_real	796.164	0.0	398.082	0.0
load	N_1200159302	constant_power_C_real	796.164	0.0	398.082	0.0
load	N_1200159302	constant_power_A_reac	261.686	0.0	130.843	0.0
load	N_1200159302	constant_power_B_reac	261.686	0.0	130.843	0.0
load	N_1200159302	constant_power_C_reac	261.686	0.0	130.843	0.0
load	N_1200130106	constant_power_A	3034.37	997.351	1517.185	498.6755
load	N_1200130106	constant_power_B	3034.37	997.351	1517.185	498.6755

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130106	constant_power_C	3034.37	997.351	1517.185	498.6755
load	N_1200130106	constant_power_A_real	3034.37	0.0	1517.185	0.0
load	N_1200130106	constant_power_B_real	3034.37	0.0	1517.185	0.0
load	N_1200130106	constant_power_C_real	3034.37	0.0	1517.185	0.0
load	N_1200130106	constant_power_A_reac	997.351	0.0	498.6755	0.0
load	N_1200130106	constant_power_B_reac	997.351	0.0	498.6755	0.0
load	N_1200130106	constant_power_C_reac	997.351	0.0	498.6755	0.0
load	N_1200159300	constant_power_A	2046.36	942.495	1023.18	471.2475
load	N_1200159300	constant_power_B	2046.36	942.495	1023.18	471.2475
load	N_1200159300	constant_power_C	2046.36	942.495	1023.18	471.2475
load	N_1200159300	constant_power_A_real	2046.36	0.0	1023.18	0.0
load	N_1200159300	constant_power_B_real	2046.36	0.0	1023.18	0.0
load	N_1200159300	constant_power_C_real	2046.36	0.0	1023.18	0.0
load	N_1200159300	constant_power_A_reac	942.495	0.0	471.2475	0.0
load	N_1200159300	constant_power_B_reac	942.495	0.0	471.2475	0.0
load	N_1200159300	constant_power_C_reac	942.495	0.0	471.2475	0.0
load	N_1200030893	constant_power_A	4681.06	2501.81	2340.53	1250.905
load	N_1200030893	constant_power_B	4681.06	2501.81	2340.53	1250.905
load	N_1200030893	constant_power_C	4681.06	2501.81	2340.53	1250.905
load	N_1200030893	constant_power_A_real	4681.06	0.0	2340.53	0.0
load	N_1200030893	constant_power_B_real	4681.06	0.0	2340.53	0.0
load	N_1200030893	constant_power_C_real	4681.06	0.0	2340.53	0.0
load	N_1200030893	constant_power_A_reac	2501.81	0.0	1250.905	0.0
load	N_1200030893	constant_power_B_reac	2501.81	0.0	1250.905	0.0
load	N_1200030893	constant_power_C_reac	2501.81	0.0	1250.905	0.0
load	N_1200166064	constant_power_A	134.293	83.2271	67.1465	41.61355
load	N_1200166064	constant_power_B	134.293	83.2271	67.1465	41.61355
load	N_1200166064	constant_power_C	134.293	83.2271	67.1465	41.61355
load	N_1200166064	constant_power_A_real	134.293	0.0	67.1465	0.0
load	N_1200166064	constant_power_B_real	134.293	0.0	67.1465	0.0
load	N_1200166064	constant_power_C_real	134.293	0.0	67.1465	0.0
load	N_1200166064	constant_power_A_reac	83.2271	0.0	41.61355	0.0
load	N_1200166064	constant_power_B_reac	83.2271	0.0	41.61355	0.0
load	N_1200166064	constant_power_C_reac	83.2271	0.0	41.61355	0.0
load	N_1200097011	constant_power_A	4374.1	1437.7	2187.05	718.85
load	N_1200097011	constant_power_B	4374.1	1437.7	2187.05	718.85
load	N_1200097011	constant_power_C	4374.1	1437.7	2187.05	718.85
load	N_1200097011	constant_power_A_real	4374.1	0.0	2187.05	0.0
load	N_1200097011	constant_power_B_real	4374.1	0.0	2187.05	0.0
load	N_1200097011	constant_power_C_real	4374.1	0.0	2187.05	0.0
load	N_1200097011	constant_power_A_reac	1437.7	0.0	718.85	0.0
load	N_1200097011	constant_power_B_reac	1437.7	0.0	718.85	0.0
load	N_1200097011	constant_power_C_reac	1437.7	0.0	718.85	0.0
load	N_1200159247	constant_power_A	2516.39	1216.11	1258.195	608.055
load	N_1200159247	constant_power_B	2516.39	1216.11	1258.195	608.055
load	N_1200159247	constant_power_C	2516.39	1216.11	1258.195	608.055
load	N_1200159247	constant_power_A_real	2516.39	0.0	1258.195	0.0
load	N_1200159247	constant_power_B_real	2516.39	0.0	1258.195	0.0
load	N_1200159247	constant_power_C_real	2516.39	0.0	1258.195	0.0
load	N_1200159247	constant_power_A_reac	1216.11	0.0	608.055	0.0
load	N_1200159247	constant_power_B_reac	1216.11	0.0	608.055	0.0
load	N_1200159247	constant_power_C_reac	1216.11	0.0	608.055	0.0
load	N_1200030220	constant_power_A	1087.13	673.743	543.565	336.8715
load	N_1200030220	constant_power_B	1087.13	673.743	543.565	336.8715
load	N_1200030220	constant_power_C	1087.13	673.743	543.565	336.8715
load	N_1200030220	constant_power_A_real	1087.13	0.0	543.565	0.0
load	N_1200030220	constant_power_B_real	1087.13	0.0	543.565	0.0
load	N_1200030220	constant_power_C_real	1087.13	0.0	543.565	0.0
load	N_1200030220	constant_power_A_reac	673.743	0.0	336.8715	0.0
load	N_1200030220	constant_power_B_reac	673.743	0.0	336.8715	0.0
load	N_1200030220	constant_power_C_reac	673.743	0.0	336.8715	0.0
load	N_1200160238	constant_power_A	2314.95	1434.68	1157.475	717.34
load	N_1200160238	constant_power_B	2314.95	1434.68	1157.475	717.34

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160238	constant_power_C	2314.95	1434.68	1157.475	717.34
load	N_1200160238	constant_power_A_real	2314.95	0.0	1157.475	0.0
load	N_1200160238	constant_power_B_real	2314.95	0.0	1157.475	0.0
load	N_1200160238	constant_power_C_real	2314.95	0.0	1157.475	0.0
load	N_1200160238	constant_power_A_reac	1434.68	0.0	717.34	0.0
load	N_1200160238	constant_power_B_reac	1434.68	0.0	717.34	0.0
load	N_1200160238	constant_power_C_reac	1434.68	0.0	717.34	0.0
load	N_1200160180	constant_power_A	1298.16	426.685	649.08	213.3425
load	N_1200160180	constant_power_B	1298.16	426.685	649.08	213.3425
load	N_1200160180	constant_power_C	1298.16	426.685	649.08	213.3425
load	N_1200160180	constant_power_A_real	1298.16	0.0	649.08	0.0
load	N_1200160180	constant_power_B_real	1298.16	0.0	649.08	0.0
load	N_1200160180	constant_power_C_real	1298.16	0.0	649.08	0.0
load	N_1200160180	constant_power_A_reac	426.685	0.0	213.3425	0.0
load	N_1200160180	constant_power_B_reac	426.685	0.0	213.3425	0.0
load	N_1200160180	constant_power_C_reac	426.685	0.0	213.3425	0.0
load	N_1200160181	constant_power_A	1467.63	482.386	733.815	241.193
load	N_1200160181	constant_power_B	1467.63	482.386	733.815	241.193
load	N_1200160181	constant_power_C	1467.63	482.386	733.815	241.193
load	N_1200160181	constant_power_A_real	1467.63	0.0	733.815	0.0
load	N_1200160181	constant_power_B_real	1467.63	0.0	733.815	0.0
load	N_1200160181	constant_power_C_real	1467.63	0.0	733.815	0.0
load	N_1200160181	constant_power_A_reac	482.386	0.0	241.193	0.0
load	N_1200160181	constant_power_B_reac	482.386	0.0	241.193	0.0
load	N_1200160181	constant_power_C_reac	482.386	0.0	241.193	0.0
load	N_1200160182	constant_power_A	2446.04	803.976	1223.02	401.988
load	N_1200160182	constant_power_B	2446.04	803.976	1223.02	401.988
load	N_1200160182	constant_power_C	2446.04	803.976	1223.02	401.988
load	N_1200160182	constant_power_A_real	2446.04	0.0	1223.02	0.0
load	N_1200160182	constant_power_B_real	2446.04	0.0	1223.02	0.0
load	N_1200160182	constant_power_C_real	2446.04	0.0	1223.02	0.0
load	N_1200160182	constant_power_A_reac	803.976	0.0	401.988	0.0
load	N_1200160182	constant_power_B_reac	803.976	0.0	401.988	0.0
load	N_1200160182	constant_power_C_reac	803.976	0.0	401.988	0.0
load	N_1200160183	constant_power_A	1151.08	378.342	575.54	189.171
load	N_1200160183	constant_power_B	1151.08	378.342	575.54	189.171
load	N_1200160183	constant_power_C	1151.08	378.342	575.54	189.171
load	N_1200160183	constant_power_A_real	1151.08	0.0	575.54	0.0
load	N_1200160183	constant_power_B_real	1151.08	0.0	575.54	0.0
load	N_1200160183	constant_power_C_real	1151.08	0.0	575.54	0.0
load	N_1200160183	constant_power_A_reac	378.342	0.0	189.171	0.0
load	N_1200160183	constant_power_B_reac	378.342	0.0	189.171	0.0
load	N_1200160183	constant_power_C_reac	378.342	0.0	189.171	0.0
load	N_1200160184	constant_power_A	3242.21	1065.66	1621.105	532.83
load	N_1200160184	constant_power_B	3242.21	1065.66	1621.105	532.83
load	N_1200160184	constant_power_C	3242.21	1065.66	1621.105	532.83
load	N_1200160184	constant_power_A_real	3242.21	0.0	1621.105	0.0
load	N_1200160184	constant_power_B_real	3242.21	0.0	1621.105	0.0
load	N_1200160184	constant_power_C_real	3242.21	0.0	1621.105	0.0
load	N_1200160184	constant_power_A_reac	1065.66	0.0	532.83	0.0
load	N_1200160184	constant_power_B_reac	1065.66	0.0	532.83	0.0
load	N_1200160184	constant_power_C_reac	1065.66	0.0	532.83	0.0
load	N_1200160186	constant_power_A	1624.3	533.882	812.15	266.941
load	N_1200160186	constant_power_B	1624.3	533.882	812.15	266.941
load	N_1200160186	constant_power_C	1624.3	533.882	812.15	266.941
load	N_1200160186	constant_power_A_real	1624.3	0.0	812.15	0.0
load	N_1200160186	constant_power_B_real	1624.3	0.0	812.15	0.0
load	N_1200160186	constant_power_C_real	1624.3	0.0	812.15	0.0
load	N_1200160186	constant_power_A_reac	533.882	0.0	266.941	0.0
load	N_1200160186	constant_power_B_reac	533.882	0.0	266.941	0.0
load	N_1200160186	constant_power_C_reac	533.882	0.0	266.941	0.0
load	N_1200160187	constant_power_A	751.399	465.675	375.6995	232.8375
load	N_1200160187	constant_power_B	751.399	465.675	375.6995	232.8375

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160187	constant_power_C	751.399	465.675	375.6995	232.8375
load	N_1200160187	constant_power_A_real	751.399	0.0	375.6995	0.0
load	N_1200160187	constant_power_B_real	751.399	0.0	375.6995	0.0
load	N_1200160187	constant_power_C_real	751.399	0.0	375.6995	0.0
load	N_1200160187	constant_power_A_reac	465.675	0.0	232.8375	0.0
load	N_1200160187	constant_power_B_reac	465.675	0.0	232.8375	0.0
load	N_1200160187	constant_power_C_reac	465.675	0.0	232.8375	0.0
load	N_1200130386	constant_power_A	2055.96	1274.17	1027.98	637.085
load	N_1200130386	constant_power_B	2055.96	1274.17	1027.98	637.085
load	N_1200130386	constant_power_C	2055.96	1274.17	1027.98	637.085
load	N_1200130386	constant_power_A_real	2055.96	0.0	1027.98	0.0
load	N_1200130386	constant_power_B_real	2055.96	0.0	1027.98	0.0
load	N_1200130386	constant_power_C_real	2055.96	0.0	1027.98	0.0
load	N_1200130386	constant_power_A_reac	1274.17	0.0	637.085	0.0
load	N_1200130386	constant_power_B_reac	1274.17	0.0	637.085	0.0
load	N_1200130386	constant_power_C_reac	1274.17	0.0	637.085	0.0
load	N_1200160189	constant_power_A	911.272	299.521	455.636	149.7605
load	N_1200160189	constant_power_B	911.272	299.521	455.636	149.7605
load	N_1200160189	constant_power_A_real	911.272	0.0	455.636	0.0
load	N_1200160189	constant_power_B_real	911.272	0.0	455.636	0.0
load	N_1200160189	constant_power_A_reac	299.521	0.0	149.7605	0.0
load	N_1200160189	constant_power_B_reac	299.521	0.0	149.7605	0.0
load	N_1200130068	constant_power_A	1320.54	434.042	660.27	217.021
load	N_1200130068	constant_power_B	1320.54	434.042	660.27	217.021
load	N_1200130068	constant_power_C	1320.54	434.042	660.27	217.021
load	N_1200130068	constant_power_A_real	1320.54	0.0	660.27	0.0
load	N_1200130068	constant_power_B_real	1320.54	0.0	660.27	0.0
load	N_1200130068	constant_power_C_real	1320.54	0.0	660.27	0.0
load	N_1200130068	constant_power_A_reac	434.042	0.0	217.021	0.0
load	N_1200130068	constant_power_B_reac	434.042	0.0	217.021	0.0
load	N_1200130068	constant_power_C_reac	434.042	0.0	217.021	0.0
load	N_1200030099	constant_power_A	13333.3	8263.26	6666.65	4131.63
load	N_1200030099	constant_power_B	13333.3	8263.26	6666.65	4131.63
load	N_1200030099	constant_power_C	13333.3	8263.26	6666.65	4131.63
load	N_1200030099	constant_power_A_real	13333.3	0.0	6666.65	0.0
load	N_1200030099	constant_power_B_real	13333.3	0.0	6666.65	0.0
load	N_1200030099	constant_power_C_real	13333.3	0.0	6666.65	0.0
load	N_1200030099	constant_power_A_reac	8263.26	0.0	4131.63	0.0
load	N_1200030099	constant_power_B_reac	8263.26	0.0	4131.63	0.0
load	N_1200030099	constant_power_C_reac	8263.26	0.0	4131.63	0.0
load	N_1200071855	constant_power_A	623.502	204.935	311.751	102.4675
load	N_1200071855	constant_power_B	623.502	204.935	311.751	102.4675
load	N_1200071855	constant_power_C	623.502	204.935	311.751	102.4675
load	N_1200071855	constant_power_A_real	623.502	0.0	311.751	0.0
load	N_1200071855	constant_power_B_real	623.502	0.0	311.751	0.0
load	N_1200071855	constant_power_C_real	623.502	0.0	311.751	0.0
load	N_1200071855	constant_power_A_reac	204.935	0.0	102.4675	0.0
load	N_1200071855	constant_power_B_reac	204.935	0.0	102.4675	0.0
load	N_1200071855	constant_power_C_reac	204.935	0.0	102.4675	0.0
load	N_1200071853	constant_power_A	2989.61	1342.8	1494.805	671.4
load	N_1200071853	constant_power_B	2989.61	1342.8	1494.805	671.4
load	N_1200071853	constant_power_C	2989.61	1342.8	1494.805	671.4
load	N_1200071853	constant_power_A_real	2989.61	0.0	1494.805	0.0
load	N_1200071853	constant_power_B_real	2989.61	0.0	1494.805	0.0
load	N_1200071853	constant_power_C_real	2989.61	0.0	1494.805	0.0
load	N_1200071853	constant_power_A_reac	1342.8	0.0	671.4	0.0
load	N_1200071853	constant_power_B_reac	1342.8	0.0	671.4	0.0
load	N_1200071853	constant_power_C_reac	1342.8	0.0	671.4	0.0
load	N_1200159560	constant_power_A	1627.5	1008.63	813.75	504.315
load	N_1200159560	constant_power_B	1627.5	1008.63	813.75	504.315
load	N_1200159560	constant_power_C	1627.5	1008.63	813.75	504.315
load	N_1200159560	constant_power_A_real	1627.5	0.0	813.75	0.0
load	N_1200159560	constant_power_B_real	1627.5	0.0	813.75	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159560	constant_power_C_real	1627.5	0.0	813.75	0.0
load	N_1200159560	constant_power_A_reac	1008.63	0.0	504.315	0.0
load	N_1200159560	constant_power_B_reac	1008.63	0.0	504.315	0.0
load	N_1200159560	constant_power_C_reac	1008.63	0.0	504.315	0.0
load	N_1200160319	constant_power_A	2465.23	819.588	1232.615	409.794
load	N_1200160319	constant_power_B	2465.23	819.588	1232.615	409.794
load	N_1200160319	constant_power_C	2465.23	819.588	1232.615	409.794
load	N_1200160319	constant_power_A_real	2465.23	0.0	1232.615	0.0
load	N_1200160319	constant_power_B_real	2465.23	0.0	1232.615	0.0
load	N_1200160319	constant_power_C_real	2465.23	0.0	1232.615	0.0
load	N_1200160319	constant_power_A_reac	819.588	0.0	409.794	0.0
load	N_1200160319	constant_power_B_reac	819.588	0.0	409.794	0.0
load	N_1200160319	constant_power_C_reac	819.588	0.0	409.794	0.0
load	N_1200071850	constant_power_A	2506.8	823.944	1253.4	411.972
load	N_1200071850	constant_power_B	2506.8	823.944	1253.4	411.972
load	N_1200071850	constant_power_C	2506.8	823.944	1253.4	411.972
load	N_1200071850	constant_power_A_real	2506.8	0.0	1253.4	0.0
load	N_1200071850	constant_power_B_real	2506.8	0.0	1253.4	0.0
load	N_1200071850	constant_power_C_real	2506.8	0.0	1253.4	0.0
load	N_1200071850	constant_power_A_reac	823.944	0.0	411.972	0.0
load	N_1200071850	constant_power_B_reac	823.944	0.0	411.972	0.0
load	N_1200071850	constant_power_C_reac	823.944	0.0	411.972	0.0
load	N_1200091938	constant_power_A	1669.07	548.595	834.535	274.2975
load	N_1200091938	constant_power_B	1669.07	548.595	834.535	274.2975
load	N_1200091938	constant_power_C	1669.07	548.595	834.535	274.2975
load	N_1200091938	constant_power_A_real	1669.07	0.0	834.535	0.0
load	N_1200091938	constant_power_B_real	1669.07	0.0	834.535	0.0
load	N_1200091938	constant_power_C_real	1669.07	0.0	834.535	0.0
load	N_1200091938	constant_power_A_reac	548.595	0.0	274.2975	0.0
load	N_1200091938	constant_power_B_reac	548.595	0.0	274.2975	0.0
load	N_1200091938	constant_power_C_reac	548.595	0.0	274.2975	0.0
load	N_1200159248	constant_power_A	3542.77	1164.45	1771.385	582.225
load	N_1200159248	constant_power_B	3542.77	1164.45	1771.385	582.225
load	N_1200159248	constant_power_C	3542.77	1164.45	1771.385	582.225
load	N_1200159248	constant_power_A_real	3542.77	0.0	1771.385	0.0
load	N_1200159248	constant_power_B_real	3542.77	0.0	1771.385	0.0
load	N_1200159248	constant_power_C_real	3542.77	0.0	1771.385	0.0
load	N_1200159248	constant_power_A_reac	1164.45	0.0	582.225	0.0
load	N_1200159248	constant_power_B_reac	1164.45	0.0	582.225	0.0
load	N_1200159248	constant_power_C_reac	1164.45	0.0	582.225	0.0
load	N_1200160179	constant_power_A	7852.92	2581.13	3926.46	1290.565
load	N_1200160179	constant_power_B	7852.92	2581.13	3926.46	1290.565
load	N_1200160179	constant_power_C	7852.92	2581.13	3926.46	1290.565
load	N_1200160179	constant_power_A_real	7852.92	0.0	3926.46	0.0
load	N_1200160179	constant_power_B_real	7852.92	0.0	3926.46	0.0
load	N_1200160179	constant_power_C_real	7852.92	0.0	3926.46	0.0
load	N_1200160179	constant_power_A_reac	2581.13	0.0	1290.565	0.0
load	N_1200160179	constant_power_B_reac	2581.13	0.0	1290.565	0.0
load	N_1200160179	constant_power_C_reac	2581.13	0.0	1290.565	0.0
load	N_1200160178	constant_power_A	1096.72	360.476	548.36	180.238
load	N_1200160178	constant_power_B	1096.72	360.476	548.36	180.238
load	N_1200160178	constant_power_C	1096.72	360.476	548.36	180.238
load	N_1200160178	constant_power_A_real	1096.72	0.0	548.36	0.0
load	N_1200160178	constant_power_B_real	1096.72	0.0	548.36	0.0
load	N_1200160178	constant_power_C_real	1096.72	0.0	548.36	0.0
load	N_1200160178	constant_power_A_reac	360.476	0.0	180.238	0.0
load	N_1200160178	constant_power_B_reac	360.476	0.0	180.238	0.0
load	N_1200160178	constant_power_C_reac	360.476	0.0	180.238	0.0
load	N_1200160175	constant_power_A	1432.45	470.825	716.225	235.4125
load	N_1200160175	constant_power_B	1432.45	470.825	716.225	235.4125
load	N_1200160175	constant_power_C	1432.45	470.825	716.225	235.4125
load	N_1200160175	constant_power_A_real	1432.45	0.0	716.225	0.0
load	N_1200160175	constant_power_B_real	1432.45	0.0	716.225	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160175	constant_power_C_real	1432.45	0.0	716.225	0.0
load	N_1200160175	constant_power_A_reac	470.825	0.0	235.4125	0.0
load	N_1200160175	constant_power_B_reac	470.825	0.0	235.4125	0.0
load	N_1200160175	constant_power_C_reac	470.825	0.0	235.4125	0.0
load	N_1200159400	constant_power_A	799.361	495.399	399.6805	247.6995
load	N_1200159400	constant_power_B	799.361	495.399	399.6805	247.6995
load	N_1200159400	constant_power_C	799.361	495.399	399.6805	247.6995
load	N_1200159400	constant_power_A_real	799.361	0.0	399.6805	0.0
load	N_1200159400	constant_power_B_real	799.361	0.0	399.6805	0.0
load	N_1200159400	constant_power_C_real	799.361	0.0	399.6805	0.0
load	N_1200159400	constant_power_A_reac	495.399	0.0	247.6995	0.0
load	N_1200159400	constant_power_B_reac	495.399	0.0	247.6995	0.0
load	N_1200159400	constant_power_C_reac	495.399	0.0	247.6995	0.0
load	N_1200159403	constant_power_A	1784.17	586.43	892.085	293.215
load	N_1200159403	constant_power_B	1784.17	586.43	892.085	293.215
load	N_1200159403	constant_power_C	1784.17	586.43	892.085	293.215
load	N_1200159403	constant_power_A_real	1784.17	0.0	892.085	0.0
load	N_1200159403	constant_power_B_real	1784.17	0.0	892.085	0.0
load	N_1200159403	constant_power_C_real	1784.17	0.0	892.085	0.0
load	N_1200159403	constant_power_A_reac	586.43	0.0	293.215	0.0
load	N_1200159403	constant_power_B_reac	586.43	0.0	293.215	0.0
load	N_1200159403	constant_power_C_reac	586.43	0.0	293.215	0.0
load	N_1200056181	constant_power_A	24000.0	14873.9	12000.0	7436.95
load	N_1200056181	constant_power_B	24000.0	14873.9	12000.0	7436.95
load	N_1200056181	constant_power_C	24000.0	14873.9	12000.0	7436.95
load	N_1200056181	constant_power_A_real	24000.0	0.0	12000.0	0.0
load	N_1200056181	constant_power_B_real	24000.0	0.0	12000.0	0.0
load	N_1200056181	constant_power_C_real	24000.0	0.0	12000.0	0.0
load	N_1200056181	constant_power_A_reac	14873.9	0.0	7436.95	0.0
load	N_1200056181	constant_power_B_reac	14873.9	0.0	7436.95	0.0
load	N_1200056181	constant_power_C_reac	14873.9	0.0	7436.95	0.0
load	N_1200160171	constant_power_A	1394.09	467.52	697.045	233.76
load	N_1200160171	constant_power_B	1394.09	467.52	697.045	233.76
load	N_1200160171	constant_power_C	1394.09	467.52	697.045	233.76
load	N_1200160171	constant_power_A_real	1394.09	0.0	697.045	0.0
load	N_1200160171	constant_power_B_real	1394.09	0.0	697.045	0.0
load	N_1200160171	constant_power_C_real	1394.09	0.0	697.045	0.0
load	N_1200160171	constant_power_A_reac	467.52	0.0	233.76	0.0
load	N_1200160171	constant_power_B_reac	467.52	0.0	233.76	0.0
load	N_1200160171	constant_power_C_reac	467.52	0.0	233.76	0.0
load	N_1200160170	constant_power_A	1013.59	333.151	506.795	166.5755
load	N_1200160170	constant_power_B	1013.59	333.151	506.795	166.5755
load	N_1200160170	constant_power_C	1013.59	333.151	506.795	166.5755
load	N_1200160170	constant_power_A_real	1013.59	0.0	506.795	0.0
load	N_1200160170	constant_power_B_real	1013.59	0.0	506.795	0.0
load	N_1200160170	constant_power_C_real	1013.59	0.0	506.795	0.0
load	N_1200160170	constant_power_A_reac	333.151	0.0	166.5755	0.0
load	N_1200160170	constant_power_B_reac	333.151	0.0	166.5755	0.0
load	N_1200160170	constant_power_C_reac	333.151	0.0	166.5755	0.0
load	N_1200160173	constant_power_A	892.087	293.215	446.0435	146.6075
load	N_1200160173	constant_power_B	892.087	293.215	446.0435	146.6075
load	N_1200160173	constant_power_C	892.087	293.215	446.0435	146.6075
load	N_1200160173	constant_power_A_real	892.087	0.0	446.0435	0.0
load	N_1200160173	constant_power_B_real	892.087	0.0	446.0435	0.0
load	N_1200160173	constant_power_C_real	892.087	0.0	446.0435	0.0
load	N_1200160173	constant_power_A_reac	293.215	0.0	146.6075	0.0
load	N_1200160173	constant_power_B_reac	293.215	0.0	146.6075	0.0
load	N_1200160173	constant_power_C_reac	293.215	0.0	146.6075	0.0
load	N_1200160172	constant_power_A	1601.92	526.525	800.96	263.2625
load	N_1200160172	constant_power_B	1601.92	526.525	800.96	263.2625
load	N_1200160172	constant_power_C	1601.92	526.525	800.96	263.2625
load	N_1200160172	constant_power_A_real	1601.92	0.0	800.96	0.0
load	N_1200160172	constant_power_B_real	1601.92	0.0	800.96	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160172	constant_power_C_real	1601.92	0.0	800.96	0.0
load	N_1200160172	constant_power_A_reac	526.525	0.0	263.2625	0.0
load	N_1200160172	constant_power_B_reac	526.525	0.0	263.2625	0.0
load	N_1200160172	constant_power_C_reac	526.525	0.0	263.2625	0.0
load	N_1200111162	constant_power_A	2142.29	704.136	1071.145	352.068
load	N_1200111162	constant_power_B	2142.29	704.136	1071.145	352.068
load	N_1200111162	constant_power_C	2142.29	704.136	1071.145	352.068
load	N_1200111162	constant_power_A_real	2142.29	0.0	1071.145	0.0
load	N_1200111162	constant_power_B_real	2142.29	0.0	1071.145	0.0
load	N_1200111162	constant_power_C_real	2142.29	0.0	1071.145	0.0
load	N_1200111162	constant_power_A_reac	704.136	0.0	352.068	0.0
load	N_1200111162	constant_power_B_reac	704.136	0.0	352.068	0.0
load	N_1200111162	constant_power_C_reac	704.136	0.0	352.068	0.0
load	N_1200160334	constant_power_A	7085.54	4391.22	3542.77	2195.61
load	N_1200160334	constant_power_B	7085.54	4391.22	3542.77	2195.61
load	N_1200160334	constant_power_C	7085.54	4391.22	3542.77	2195.61
load	N_1200160334	constant_power_A_real	7085.54	0.0	3542.77	0.0
load	N_1200160334	constant_power_B_real	7085.54	0.0	3542.77	0.0
load	N_1200160334	constant_power_C_real	7085.54	0.0	3542.77	0.0
load	N_1200160334	constant_power_A_reac	4391.22	0.0	2195.61	0.0
load	N_1200160334	constant_power_B_reac	4391.22	0.0	2195.61	0.0
load	N_1200160334	constant_power_C_reac	4391.22	0.0	2195.61	0.0
load	N_1200071799	constant_power_A	332.534	206.086	166.267	103.043
load	N_1200071799	constant_power_B	332.534	206.086	166.267	103.043
load	N_1200071799	constant_power_C	332.534	206.086	166.267	103.043
load	N_1200071799	constant_power_A_real	332.534	0.0	166.267	0.0
load	N_1200071799	constant_power_B_real	332.534	0.0	166.267	0.0
load	N_1200071799	constant_power_C_real	332.534	0.0	166.267	0.0
load	N_1200071799	constant_power_A_reac	206.086	0.0	103.043	0.0
load	N_1200071799	constant_power_B_reac	206.086	0.0	103.043	0.0
load	N_1200071799	constant_power_C_reac	206.086	0.0	103.043	0.0
load	N_1200159391	constant_power_A	1956.84	822.796	978.42	411.398
load	N_1200159391	constant_power_B	1956.84	822.796	978.42	411.398
load	N_1200159391	constant_power_C	1956.84	822.796	978.42	411.398
load	N_1200159391	constant_power_A_real	1956.84	0.0	978.42	0.0
load	N_1200159391	constant_power_B_real	1956.84	0.0	978.42	0.0
load	N_1200159391	constant_power_C_real	1956.84	0.0	978.42	0.0
load	N_1200159391	constant_power_A_reac	822.796	0.0	411.398	0.0
load	N_1200159391	constant_power_B_reac	822.796	0.0	411.398	0.0
load	N_1200159391	constant_power_C_reac	822.796	0.0	411.398	0.0
load	N_1200159390	constant_power_A	1534.77	683.14	767.385	341.57
load	N_1200159390	constant_power_B	1534.77	683.14	767.385	341.57
load	N_1200159390	constant_power_C	1534.77	683.14	767.385	341.57
load	N_1200159390	constant_power_A_real	1534.77	0.0	767.385	0.0
load	N_1200159390	constant_power_B_real	1534.77	0.0	767.385	0.0
load	N_1200159390	constant_power_C_real	1534.77	0.0	767.385	0.0
load	N_1200159390	constant_power_A_reac	683.14	0.0	341.57	0.0
load	N_1200159390	constant_power_B_reac	683.14	0.0	341.57	0.0
load	N_1200159390	constant_power_C_reac	683.14	0.0	341.57	0.0
load	N_1200159392	constant_power_A	956.036	314.234	478.018	157.117
load	N_1200159392	constant_power_B	956.036	314.234	478.018	157.117
load	N_1200159392	constant_power_C	956.036	314.234	478.018	157.117
load	N_1200159392	constant_power_A_real	956.036	0.0	478.018	0.0
load	N_1200159392	constant_power_B_real	956.036	0.0	478.018	0.0
load	N_1200159392	constant_power_C_real	956.036	0.0	478.018	0.0
load	N_1200159392	constant_power_A_reac	314.234	0.0	157.117	0.0
load	N_1200159392	constant_power_B_reac	314.234	0.0	157.117	0.0
load	N_1200159392	constant_power_C_reac	314.234	0.0	157.117	0.0
load	N_1200159394	constant_power_A	383.693	237.792	191.8465	118.896
load	N_1200159394	constant_power_B	383.693	237.792	191.8465	118.896
load	N_1200159394	constant_power_C	383.693	237.792	191.8465	118.896
load	N_1200159394	constant_power_A_real	383.693	0.0	191.8465	0.0
load	N_1200159394	constant_power_B_real	383.693	0.0	191.8465	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159394	constant_power_C_real	383.693	0.0	191.8465	0.0
load	N_1200159394	constant_power_A_reac	237.792	0.0	118.896	0.0
load	N_1200159394	constant_power_B_reac	237.792	0.0	118.896	0.0
load	N_1200159394	constant_power_C_reac	237.792	0.0	118.896	0.0
load	N_1200166625	constant_power_A	7203.84	2367.79	3601.92	1183.895
load	N_1200166625	constant_power_B	7203.84	2367.79	3601.92	1183.895
load	N_1200166625	constant_power_C	7203.84	2367.79	3601.92	1183.895
load	N_1200166625	constant_power_A_real	7203.84	0.0	3601.92	0.0
load	N_1200166625	constant_power_B_real	7203.84	0.0	3601.92	0.0
load	N_1200166625	constant_power_C_real	7203.84	0.0	3601.92	0.0
load	N_1200166625	constant_power_A_reac	2367.79	0.0	1183.895	0.0
load	N_1200166625	constant_power_B_reac	2367.79	0.0	1183.895	0.0
load	N_1200166625	constant_power_C_reac	2367.79	0.0	1183.895	0.0
load	N_1200105989	constant_power_A	447.642	147.133	223.821	73.5665
load	N_1200105989	constant_power_B	447.642	147.133	223.821	73.5665
load	N_1200105989	constant_power_C	447.642	147.133	223.821	73.5665
load	N_1200105989	constant_power_A_real	447.642	0.0	223.821	0.0
load	N_1200105989	constant_power_B_real	447.642	0.0	223.821	0.0
load	N_1200105989	constant_power_C_real	447.642	0.0	223.821	0.0
load	N_1200105989	constant_power_A_reac	147.133	0.0	73.5665	0.0
load	N_1200105989	constant_power_B_reac	147.133	0.0	73.5665	0.0
load	N_1200105989	constant_power_C_reac	147.133	0.0	73.5665	0.0
load	N_1200105988	constant_power_A	1004.0	405.381	502.0	202.6905
load	N_1200105988	constant_power_B	1004.0	405.381	502.0	202.6905
load	N_1200105988	constant_power_C	1004.0	405.381	502.0	202.6905
load	N_1200105988	constant_power_A_real	1004.0	0.0	502.0	0.0
load	N_1200105988	constant_power_B_real	1004.0	0.0	502.0	0.0
load	N_1200105988	constant_power_C_real	1004.0	0.0	502.0	0.0
load	N_1200105988	constant_power_A_reac	405.381	0.0	202.6905	0.0
load	N_1200105988	constant_power_B_reac	405.381	0.0	202.6905	0.0
load	N_1200105988	constant_power_C_reac	405.381	0.0	202.6905	0.0
load	N_1200081961	constant_power_A	1339.73	440.348	669.865	220.174
load	N_1200081961	constant_power_B	1339.73	440.348	669.865	220.174
load	N_1200081961	constant_power_C	1339.73	440.348	669.865	220.174
load	N_1200081961	constant_power_A_real	1339.73	0.0	669.865	0.0
load	N_1200081961	constant_power_B_real	1339.73	0.0	669.865	0.0
load	N_1200081961	constant_power_C_real	1339.73	0.0	669.865	0.0
load	N_1200081961	constant_power_A_reac	440.348	0.0	220.174	0.0
load	N_1200081961	constant_power_B_reac	440.348	0.0	220.174	0.0
load	N_1200081961	constant_power_C_reac	440.348	0.0	220.174	0.0
load	N_1200160235	constant_power_A	2820.15	926.937	1410.075	463.4685
load	N_1200160235	constant_power_B	2820.15	926.937	1410.075	463.4685
load	N_1200160235	constant_power_A_real	2820.15	0.0	1410.075	0.0
load	N_1200160235	constant_power_B_real	2820.15	0.0	1410.075	0.0
load	N_1200160235	constant_power_A_reac	926.937	0.0	463.4685	0.0
load	N_1200160235	constant_power_B_reac	926.937	0.0	463.4685	0.0
load	N_1200505599	constant_power_A	626.699	388.393	313.3495	194.1965
load	N_1200505599	constant_power_B	626.699	388.393	313.3495	194.1965
load	N_1200505599	constant_power_C	626.699	388.393	313.3495	194.1965
load	N_1200505599	constant_power_A_real	626.699	0.0	313.3495	0.0
load	N_1200505599	constant_power_B_real	626.699	0.0	313.3495	0.0
load	N_1200505599	constant_power_C_real	626.699	0.0	313.3495	0.0
load	N_1200505599	constant_power_A_reac	388.393	0.0	194.1965	0.0
load	N_1200505599	constant_power_B_reac	388.393	0.0	194.1965	0.0
load	N_1200505599	constant_power_C_reac	388.393	0.0	194.1965	0.0
load	N_1200105980	constant_power_A	2337.33	768.244	1168.665	384.122
load	N_1200105980	constant_power_B	2337.33	768.244	1168.665	384.122
load	N_1200105980	constant_power_C	2337.33	768.244	1168.665	384.122
load	N_1200105980	constant_power_A_real	2337.33	0.0	1168.665	0.0
load	N_1200105980	constant_power_B_real	2337.33	0.0	1168.665	0.0
load	N_1200105980	constant_power_C_real	2337.33	0.0	1168.665	0.0
load	N_1200105980	constant_power_A_reac	768.244	0.0	384.122	0.0
load	N_1200105980	constant_power_B_reac	768.244	0.0	384.122	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200105980	constant_power_C_reac	768.244	0.0	384.122	0.0
load	N_1200109712	constant_power_A	1828.94	702.584	914.47	351.292
load	N_1200109712	constant_power_B	1828.94	702.584	914.47	351.292
load	N_1200109712	constant_power_C	1828.94	702.584	914.47	351.292
load	N_1200109712	constant_power_A_real	1828.94	0.0	914.47	0.0
load	N_1200109712	constant_power_B_real	1828.94	0.0	914.47	0.0
load	N_1200109712	constant_power_C_real	1828.94	0.0	914.47	0.0
load	N_1200109712	constant_power_A_reac	702.584	0.0	351.292	0.0
load	N_1200109712	constant_power_B_reac	702.584	0.0	351.292	0.0
load	N_1200109712	constant_power_C_reac	702.584	0.0	351.292	0.0
load	N_1200130008	constant_power_A	869.705	285.858	434.8525	142.929
load	N_1200130008	constant_power_B	869.705	285.858	434.8525	142.929
load	N_1200130008	constant_power_C	869.705	285.858	434.8525	142.929
load	N_1200130008	constant_power_A_real	869.705	0.0	434.8525	0.0
load	N_1200130008	constant_power_B_real	869.705	0.0	434.8525	0.0
load	N_1200130008	constant_power_C_real	869.705	0.0	434.8525	0.0
load	N_1200130008	constant_power_A_reac	285.858	0.0	142.929	0.0
load	N_1200130008	constant_power_B_reac	285.858	0.0	142.929	0.0
load	N_1200130008	constant_power_C_reac	285.858	0.0	142.929	0.0
load	N_1200109715	constant_power_A	140.688	87.1904	70.344	43.5952
load	N_1200109715	constant_power_B	140.688	87.1904	70.344	43.5952
load	N_1200109715	constant_power_C	140.688	87.1904	70.344	43.5952
load	N_1200109715	constant_power_A_real	140.688	0.0	70.344	0.0
load	N_1200109715	constant_power_B_real	140.688	0.0	70.344	0.0
load	N_1200109715	constant_power_C_real	140.688	0.0	70.344	0.0
load	N_1200109715	constant_power_A_reac	87.1904	0.0	43.5952	0.0
load	N_1200109715	constant_power_B_reac	87.1904	0.0	43.5952	0.0
load	N_1200109715	constant_power_C_reac	87.1904	0.0	43.5952	0.0
load	N_1200467017	constant_power_A	4198.24	1379.9	2099.12	689.95
load	N_1200467017	constant_power_B	4198.24	1379.9	2099.12	689.95
load	N_1200467017	constant_power_C	4198.24	1379.9	2099.12	689.95
load	N_1200467017	constant_power_A_real	4198.24	0.0	2099.12	0.0
load	N_1200467017	constant_power_B_real	4198.24	0.0	2099.12	0.0
load	N_1200467017	constant_power_C_real	4198.24	0.0	2099.12	0.0
load	N_1200467017	constant_power_A_reac	1379.9	0.0	689.95	0.0
load	N_1200467017	constant_power_B_reac	1379.9	0.0	689.95	0.0
load	N_1200467017	constant_power_C_reac	1379.9	0.0	689.95	0.0
load	N_1200062109	constant_power_A	31013.6	19220.5	15506.8	9610.25
load	N_1200062109	constant_power_B	31013.6	19220.5	15506.8	9610.25
load	N_1200062109	constant_power_C	31013.6	19220.5	15506.8	9610.25
load	N_1200062109	constant_power_A_real	31013.6	0.0	15506.8	0.0
load	N_1200062109	constant_power_B_real	31013.6	0.0	15506.8	0.0
load	N_1200062109	constant_power_C_real	31013.6	0.0	15506.8	0.0
load	N_1200062109	constant_power_A_reac	19220.5	0.0	9610.25	0.0
load	N_1200062109	constant_power_B_reac	19220.5	0.0	9610.25	0.0
load	N_1200062109	constant_power_C_reac	19220.5	0.0	9610.25	0.0
load	N_1200062108	constant_power_A	55666.7	34499.1	27833.35	17249.55
load	N_1200062108	constant_power_B	55666.7	34499.1	27833.35	17249.55
load	N_1200062108	constant_power_C	55666.7	34499.1	27833.35	17249.55
load	N_1200062108	constant_power_A_real	55666.7	0.0	27833.35	0.0
load	N_1200062108	constant_power_B_real	55666.7	0.0	27833.35	0.0
load	N_1200062108	constant_power_C_real	55666.7	0.0	27833.35	0.0
load	N_1200062108	constant_power_A_reac	34499.1	0.0	17249.55	0.0
load	N_1200062108	constant_power_B_reac	34499.1	0.0	17249.55	0.0
load	N_1200062108	constant_power_C_reac	34499.1	0.0	17249.55	0.0
load	N_1200159564	constant_power_A	303.757	188.252	151.8785	94.126
load	N_1200159564	constant_power_B	303.757	188.252	151.8785	94.126
load	N_1200159564	constant_power_C	303.757	188.252	151.8785	94.126
load	N_1200159564	constant_power_A_real	303.757	0.0	151.8785	0.0
load	N_1200159564	constant_power_B_real	303.757	0.0	151.8785	0.0
load	N_1200159564	constant_power_C_real	303.757	0.0	151.8785	0.0
load	N_1200159564	constant_power_A_reac	188.252	0.0	94.126	0.0
load	N_1200159564	constant_power_B_reac	188.252	0.0	94.126	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159564	constant_power_C_reac	188.252	0.0	94.126	0.0
load	N_1200167123	constant_power_A	10315.0	6392.63	5157.5	3196.315
load	N_1200167123	constant_power_B	10315.0	6392.63	5157.5	3196.315
load	N_1200167123	constant_power_C	10315.0	6392.63	5157.5	3196.315
load	N_1200167123	constant_power_A_real	10315.0	0.0	5157.5	0.0
load	N_1200167123	constant_power_B_real	10315.0	0.0	5157.5	0.0
load	N_1200167123	constant_power_C_real	10315.0	0.0	5157.5	0.0
load	N_1200167123	constant_power_A_reac	6392.63	0.0	3196.315	0.0
load	N_1200167123	constant_power_B_reac	6392.63	0.0	3196.315	0.0
load	N_1200167123	constant_power_C_reac	6392.63	0.0	3196.315	0.0
load	N_1200167122	constant_power_A	681.055	238.742	340.5275	119.371
load	N_1200167122	constant_power_B	681.055	238.742	340.5275	119.371
load	N_1200167122	constant_power_C	681.055	238.742	340.5275	119.371
load	N_1200167122	constant_power_A_real	681.055	0.0	340.5275	0.0
load	N_1200167122	constant_power_B_real	681.055	0.0	340.5275	0.0
load	N_1200167122	constant_power_C_real	681.055	0.0	340.5275	0.0
load	N_1200167122	constant_power_A_reac	238.742	0.0	119.371	0.0
load	N_1200167122	constant_power_B_reac	238.742	0.0	119.371	0.0
load	N_1200167122	constant_power_C_reac	238.742	0.0	119.371	0.0
load	N_1200109761	constant_power_A	1633.89	546.341	816.945	273.1705
load	N_1200109761	constant_power_B	1633.89	546.341	816.945	273.1705
load	N_1200109761	constant_power_C	1633.89	546.341	816.945	273.1705
load	N_1200109761	constant_power_A_real	1633.89	0.0	816.945	0.0
load	N_1200109761	constant_power_B_real	1633.89	0.0	816.945	0.0
load	N_1200109761	constant_power_C_real	1633.89	0.0	816.945	0.0
load	N_1200109761	constant_power_A_reac	546.341	0.0	273.1705	0.0
load	N_1200109761	constant_power_B_reac	546.341	0.0	273.1705	0.0
load	N_1200109761	constant_power_C_reac	546.341	0.0	273.1705	0.0
load	N_1200159278	constant_power_A	4767.39	1598.61	2383.695	799.305
load	N_1200159278	constant_power_B	4767.39	1598.61	2383.695	799.305
load	N_1200159278	constant_power_C	4767.39	1598.61	2383.695	799.305
load	N_1200159278	constant_power_A_real	4767.39	0.0	2383.695	0.0
load	N_1200159278	constant_power_B_real	4767.39	0.0	2383.695	0.0
load	N_1200159278	constant_power_C_real	4767.39	0.0	2383.695	0.0
load	N_1200159278	constant_power_A_reac	1598.61	0.0	799.305	0.0
load	N_1200159278	constant_power_B_reac	1598.61	0.0	799.305	0.0
load	N_1200159278	constant_power_C_reac	1598.61	0.0	799.305	0.0
load	N_1200159276	constant_power_A	281.375	92.4835	140.6875	46.24175
load	N_1200159276	constant_power_B	281.375	92.4835	140.6875	46.24175
load	N_1200159276	constant_power_C	281.375	92.4835	140.6875	46.24175
load	N_1200159276	constant_power_A_real	281.375	0.0	140.6875	0.0
load	N_1200159276	constant_power_B_real	281.375	0.0	140.6875	0.0
load	N_1200159276	constant_power_C_real	281.375	0.0	140.6875	0.0
load	N_1200159276	constant_power_A_reac	92.4835	0.0	46.24175	0.0
load	N_1200159276	constant_power_B_reac	92.4835	0.0	46.24175	0.0
load	N_1200159276	constant_power_C_reac	92.4835	0.0	46.24175	0.0
load	N_1200130433	constant_power_A	652.278	218.116	326.139	109.058
load	N_1200130433	constant_power_B	652.278	218.116	326.139	109.058
load	N_1200130433	constant_power_C	652.278	218.116	326.139	109.058
load	N_1200130433	constant_power_A_real	652.278	0.0	326.139	0.0
load	N_1200130433	constant_power_B_real	652.278	0.0	326.139	0.0
load	N_1200130433	constant_power_C_real	652.278	0.0	326.139	0.0
load	N_1200130433	constant_power_A_reac	218.116	0.0	109.058	0.0
load	N_1200130433	constant_power_B_reac	218.116	0.0	109.058	0.0
load	N_1200130433	constant_power_C_reac	218.116	0.0	109.058	0.0
load	N_1200159275	constant_power_A	933.654	306.877	466.827	153.4385
load	N_1200159275	constant_power_B	933.654	306.877	466.827	153.4385
load	N_1200159275	constant_power_C	933.654	306.877	466.827	153.4385
load	N_1200159275	constant_power_A_real	933.654	0.0	466.827	0.0
load	N_1200159275	constant_power_B_real	933.654	0.0	466.827	0.0
load	N_1200159275	constant_power_C_real	933.654	0.0	466.827	0.0
load	N_1200159275	constant_power_A_reac	306.877	0.0	153.4385	0.0
load	N_1200159275	constant_power_B_reac	306.877	0.0	153.4385	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159275	constant_power_C_reac	306.877	0.0	153.4385	0.0
load	N_1200130435	constant_power_A	3091.93	1200.54	1545.965	600.27
load	N_1200130435	constant_power_B	3091.93	1200.54	1545.965	600.27
load	N_1200130435	constant_power_C	3091.93	1200.54	1545.965	600.27
load	N_1200130435	constant_power_A_real	3091.93	0.0	1545.965	0.0
load	N_1200130435	constant_power_B_real	3091.93	0.0	1545.965	0.0
load	N_1200130435	constant_power_C_real	3091.93	0.0	1545.965	0.0
load	N_1200130435	constant_power_A_reac	1200.54	0.0	600.27	0.0
load	N_1200130435	constant_power_B_reac	1200.54	0.0	600.27	0.0
load	N_1200130435	constant_power_C_reac	1200.54	0.0	600.27	0.0
load	N_1200130434	constant_power_A	626.699	205.986	313.3495	102.993
load	N_1200130434	constant_power_B	626.699	205.986	313.3495	102.993
load	N_1200130434	constant_power_C	626.699	205.986	313.3495	102.993
load	N_1200130434	constant_power_A_real	626.699	0.0	313.3495	0.0
load	N_1200130434	constant_power_B_real	626.699	0.0	313.3495	0.0
load	N_1200130434	constant_power_C_real	626.699	0.0	313.3495	0.0
load	N_1200130434	constant_power_A_reac	205.986	0.0	102.993	0.0
load	N_1200130434	constant_power_B_reac	205.986	0.0	102.993	0.0
load	N_1200130434	constant_power_C_reac	205.986	0.0	102.993	0.0
load	N_1200159270	constant_power_A	1736.21	1076.01	868.105	538.005
load	N_1200159270	constant_power_B	1736.21	1076.01	868.105	538.005
load	N_1200159270	constant_power_C	1736.21	1076.01	868.105	538.005
load	N_1200159270	constant_power_A_real	1736.21	0.0	868.105	0.0
load	N_1200159270	constant_power_B_real	1736.21	0.0	868.105	0.0
load	N_1200159270	constant_power_C_real	1736.21	0.0	868.105	0.0
load	N_1200159270	constant_power_A_reac	1076.01	0.0	538.005	0.0
load	N_1200159270	constant_power_B_reac	1076.01	0.0	538.005	0.0
load	N_1200159270	constant_power_C_reac	1076.01	0.0	538.005	0.0
load	N_1200166934	constant_power_A	354.916	116.655	177.458	58.3275
load	N_1200166934	constant_power_B	354.916	116.655	177.458	58.3275
load	N_1200166934	constant_power_C	354.916	116.655	177.458	58.3275
load	N_1200166934	constant_power_A_real	354.916	0.0	177.458	0.0
load	N_1200166934	constant_power_B_real	354.916	0.0	177.458	0.0
load	N_1200166934	constant_power_C_real	354.916	0.0	177.458	0.0
load	N_1200166934	constant_power_A_reac	116.655	0.0	58.3275	0.0
load	N_1200166934	constant_power_B_reac	116.655	0.0	58.3275	0.0
load	N_1200166934	constant_power_C_reac	116.655	0.0	58.3275	0.0
load	N_1200130022	constant_power_A	1023.18	634.111	511.59	317.0555
load	N_1200130022	constant_power_B	1023.18	634.111	511.59	317.0555
load	N_1200130022	constant_power_C	1023.18	634.111	511.59	317.0555
load	N_1200130022	constant_power_A_real	1023.18	0.0	511.59	0.0
load	N_1200130022	constant_power_B_real	1023.18	0.0	511.59	0.0
load	N_1200130022	constant_power_C_real	1023.18	0.0	511.59	0.0
load	N_1200130022	constant_power_A_reac	634.111	0.0	317.0555	0.0
load	N_1200130022	constant_power_B_reac	634.111	0.0	317.0555	0.0
load	N_1200130022	constant_power_C_reac	634.111	0.0	317.0555	0.0
load	N_1200160212	constant_power_A	1365.31	448.755	682.655	224.3775
load	N_1200160212	constant_power_B	1365.31	448.755	682.655	224.3775
load	N_1200160212	constant_power_C	1365.31	448.755	682.655	224.3775
load	N_1200160212	constant_power_A_real	1365.31	0.0	682.655	0.0
load	N_1200160212	constant_power_B_real	1365.31	0.0	682.655	0.0
load	N_1200160212	constant_power_C_real	1365.31	0.0	682.655	0.0
load	N_1200160212	constant_power_A_reac	448.755	0.0	224.3775	0.0
load	N_1200160212	constant_power_B_reac	448.755	0.0	224.3775	0.0
load	N_1200160212	constant_power_C_reac	448.755	0.0	224.3775	0.0
load	N_1200130026	constant_power_A	533.973	330.927	266.9865	165.4635
load	N_1200130026	constant_power_B	533.973	330.927	266.9865	165.4635
load	N_1200130026	constant_power_C	533.973	330.927	266.9865	165.4635
load	N_1200130026	constant_power_A_real	533.973	0.0	266.9865	0.0
load	N_1200130026	constant_power_B_real	533.973	0.0	266.9865	0.0
load	N_1200130026	constant_power_C_real	533.973	0.0	266.9865	0.0
load	N_1200130026	constant_power_A_reac	330.927	0.0	165.4635	0.0
load	N_1200130026	constant_power_B_reac	330.927	0.0	165.4635	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130026	constant_power_C_reac	330.927	0.0	165.4635	0.0
load	N_1200160215	constant_power_A	15363.7	9521.57	7681.85	4760.785
load	N_1200160215	constant_power_B	15363.7	9521.57	7681.85	4760.785
load	N_1200160215	constant_power_C	15363.7	9521.57	7681.85	4760.785
load	N_1200160215	constant_power_A_real	15363.7	0.0	7681.85	0.0
load	N_1200160215	constant_power_B_real	15363.7	0.0	7681.85	0.0
load	N_1200160215	constant_power_C_real	15363.7	0.0	7681.85	0.0
load	N_1200160215	constant_power_A_reac	9521.57	0.0	4760.785	0.0
load	N_1200160215	constant_power_B_reac	9521.57	0.0	4760.785	0.0
load	N_1200160215	constant_power_C_reac	9521.57	0.0	4760.785	0.0
load	N_1200160216	constant_power_A	20666.7	12808.0	10333.35	6404.0
load	N_1200160216	constant_power_B	20666.7	12808.0	10333.35	6404.0
load	N_1200160216	constant_power_C	20666.7	12808.0	10333.35	6404.0
load	N_1200160216	constant_power_A_real	20666.7	0.0	10333.35	0.0
load	N_1200160216	constant_power_B_real	20666.7	0.0	10333.35	0.0
load	N_1200160216	constant_power_C_real	20666.7	0.0	10333.35	0.0
load	N_1200160216	constant_power_A_reac	12808.0	0.0	6404.0	0.0
load	N_1200160216	constant_power_B_reac	12808.0	0.0	6404.0	0.0
load	N_1200160216	constant_power_C_reac	12808.0	0.0	6404.0	0.0
load	N_1200160217	constant_power_A	1010.39	626.185	505.195	313.0925
load	N_1200160217	constant_power_B	1010.39	626.185	505.195	313.0925
load	N_1200160217	constant_power_C	1010.39	626.185	505.195	313.0925
load	N_1200160217	constant_power_A_real	1010.39	0.0	505.195	0.0
load	N_1200160217	constant_power_B_real	1010.39	0.0	505.195	0.0
load	N_1200160217	constant_power_C_real	1010.39	0.0	505.195	0.0
load	N_1200160217	constant_power_A_reac	626.185	0.0	313.0925	0.0
load	N_1200160217	constant_power_B_reac	626.185	0.0	313.0925	0.0
load	N_1200160217	constant_power_C_reac	626.185	0.0	313.0925	0.0
load	N_1200159475	constant_power_A	1013.59	333.151	506.795	166.5755
load	N_1200159475	constant_power_B	1013.59	333.151	506.795	166.5755
load	N_1200159475	constant_power_C	1013.59	333.151	506.795	166.5755
load	N_1200159475	constant_power_A_real	1013.59	0.0	506.795	0.0
load	N_1200159475	constant_power_B_real	1013.59	0.0	506.795	0.0
load	N_1200159475	constant_power_C_real	1013.59	0.0	506.795	0.0
load	N_1200159475	constant_power_A_reac	333.151	0.0	166.5755	0.0
load	N_1200159475	constant_power_B_reac	333.151	0.0	166.5755	0.0
load	N_1200159475	constant_power_C_reac	333.151	0.0	166.5755	0.0
load	N_1200130028	constant_power_A	2062.35	677.862	1031.175	338.931
load	N_1200130028	constant_power_B	2062.35	677.862	1031.175	338.931
load	N_1200130028	constant_power_C	2062.35	677.862	1031.175	338.931
load	N_1200130028	constant_power_A_real	2062.35	0.0	1031.175	0.0
load	N_1200130028	constant_power_B_real	2062.35	0.0	1031.175	0.0
load	N_1200130028	constant_power_C_real	2062.35	0.0	1031.175	0.0
load	N_1200130028	constant_power_A_reac	677.862	0.0	338.931	0.0
load	N_1200130028	constant_power_B_reac	677.862	0.0	338.931	0.0
load	N_1200130028	constant_power_C_reac	677.862	0.0	338.931	0.0
load	N_1200159477	constant_power_A	156.675	97.0982	78.3375	48.5491
load	N_1200159477	constant_power_B	156.675	97.0982	78.3375	48.5491
load	N_1200159477	constant_power_C	156.675	97.0982	78.3375	48.5491
load	N_1200159477	constant_power_A_real	156.675	0.0	78.3375	0.0
load	N_1200159477	constant_power_B_real	156.675	0.0	78.3375	0.0
load	N_1200159477	constant_power_C_real	156.675	0.0	78.3375	0.0
load	N_1200159477	constant_power_A_reac	97.0982	0.0	48.5491	0.0
load	N_1200159477	constant_power_B_reac	97.0982	0.0	48.5491	0.0
load	N_1200159477	constant_power_C_reac	97.0982	0.0	48.5491	0.0
load	N_1200159473	constant_power_A	2896.88	952.16	1448.44	476.08
load	N_1200159473	constant_power_B	2896.88	952.16	1448.44	476.08
load	N_1200159473	constant_power_A_real	2896.88	0.0	1448.44	0.0
load	N_1200159473	constant_power_B_real	2896.88	0.0	1448.44	0.0
load	N_1200159473	constant_power_A_reac	952.16	0.0	476.08	0.0
load	N_1200159473	constant_power_B_reac	952.16	0.0	476.08	0.0
load	N_1200129918	constant_power_A	7430.86	4605.23	3715.43	2302.615
load	N_1200129918	constant_power_B	7430.86	4605.23	3715.43	2302.615

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129918	constant_power_C	7430.86	4605.23	3715.43	2302.615
load	N_1200129918	constant_power_A_real	7430.86	0.0	3715.43	0.0
load	N_1200129918	constant_power_B_real	7430.86	0.0	3715.43	0.0
load	N_1200129918	constant_power_C_real	7430.86	0.0	3715.43	0.0
load	N_1200129918	constant_power_A_reac	4605.23	0.0	2302.615	0.0
load	N_1200129918	constant_power_B_reac	4605.23	0.0	2302.615	0.0
load	N_1200129918	constant_power_C_reac	4605.23	0.0	2302.615	0.0
load	N_1200104867	constant_power_A	3216.63	1288.99	1608.315	644.495
load	N_1200104867	constant_power_B	3216.63	1288.99	1608.315	644.495
load	N_1200104867	constant_power_C	3216.63	1288.99	1608.315	644.495
load	N_1200104867	constant_power_A_real	3216.63	0.0	1608.315	0.0
load	N_1200104867	constant_power_B_real	3216.63	0.0	1608.315	0.0
load	N_1200104867	constant_power_C_real	3216.63	0.0	1608.315	0.0
load	N_1200104867	constant_power_A_reac	1288.99	0.0	644.495	0.0
load	N_1200104867	constant_power_B_reac	1288.99	0.0	644.495	0.0
load	N_1200104867	constant_power_C_reac	1288.99	0.0	644.495	0.0
load	N_1200159260	constant_power_A	3913.67	1286.36	1956.835	643.18
load	N_1200159260	constant_power_B	3913.67	1286.36	1956.835	643.18
load	N_1200159260	constant_power_C	3913.67	1286.36	1956.835	643.18
load	N_1200159260	constant_power_A_real	3913.67	0.0	1956.835	0.0
load	N_1200159260	constant_power_B_real	3913.67	0.0	1956.835	0.0
load	N_1200159260	constant_power_C_real	3913.67	0.0	1956.835	0.0
load	N_1200159260	constant_power_A_reac	1286.36	0.0	643.18	0.0
load	N_1200159260	constant_power_B_reac	1286.36	0.0	643.18	0.0
load	N_1200159260	constant_power_C_reac	1286.36	0.0	643.18	0.0
load	N_1200130072	constant_power_A	1918.47	630.569	959.235	315.2845
load	N_1200130072	constant_power_B	1918.47	630.569	959.235	315.2845
load	N_1200130072	constant_power_C	1918.47	630.569	959.235	315.2845
load	N_1200130072	constant_power_A_real	1918.47	0.0	959.235	0.0
load	N_1200130072	constant_power_B_real	1918.47	0.0	959.235	0.0
load	N_1200130072	constant_power_C_real	1918.47	0.0	959.235	0.0
load	N_1200130072	constant_power_A_reac	630.569	0.0	315.2845	0.0
load	N_1200130072	constant_power_B_reac	630.569	0.0	315.2845	0.0
load	N_1200130072	constant_power_C_reac	630.569	0.0	315.2845	0.0
load	N_1200159498	constant_power_A	908.074	298.469	454.037	149.2345
load	N_1200159498	constant_power_B	908.074	298.469	454.037	149.2345
load	N_1200159498	constant_power_C	908.074	298.469	454.037	149.2345
load	N_1200159498	constant_power_A_real	908.074	0.0	454.037	0.0
load	N_1200159498	constant_power_B_real	908.074	0.0	454.037	0.0
load	N_1200159498	constant_power_C_real	908.074	0.0	454.037	0.0
load	N_1200159498	constant_power_A_reac	298.469	0.0	149.2345	0.0
load	N_1200159498	constant_power_B_reac	298.469	0.0	149.2345	0.0
load	N_1200159498	constant_power_C_reac	298.469	0.0	149.2345	0.0
load	N_1200159433	constant_power_A	1067.95	661.854	533.975	330.927
load	N_1200159433	constant_power_B	1067.95	661.854	533.975	330.927
load	N_1200159433	constant_power_C	1067.95	661.854	533.975	330.927
load	N_1200159433	constant_power_A_real	1067.95	0.0	533.975	0.0
load	N_1200159433	constant_power_B_real	1067.95	0.0	533.975	0.0
load	N_1200159433	constant_power_C_real	1067.95	0.0	533.975	0.0
load	N_1200159433	constant_power_A_reac	661.854	0.0	330.927	0.0
load	N_1200159433	constant_power_B_reac	661.854	0.0	330.927	0.0
load	N_1200159433	constant_power_C_reac	661.854	0.0	330.927	0.0
load	N_1200130324	constant_power_A	6554.76	2357.33	3277.38	1178.665
load	N_1200130324	constant_power_B	6554.76	2357.33	3277.38	1178.665
load	N_1200130324	constant_power_C	6554.76	2357.33	3277.38	1178.665
load	N_1200130324	constant_power_A_real	6554.76	0.0	3277.38	0.0
load	N_1200130324	constant_power_B_real	6554.76	0.0	3277.38	0.0
load	N_1200130324	constant_power_C_real	6554.76	0.0	3277.38	0.0
load	N_1200130324	constant_power_A_reac	2357.33	0.0	1178.665	0.0
load	N_1200130324	constant_power_B_reac	2357.33	0.0	1178.665	0.0
load	N_1200130324	constant_power_C_reac	2357.33	0.0	1178.665	0.0
load	N_1200130323	constant_power_A	306.955	100.891	153.4775	50.4455
load	N_1200130323	constant_power_B	306.955	100.891	153.4775	50.4455

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130323	constant_power_C	306.955	100.891	153.4775	50.4455
load	N_1200130323	constant_power_A_real	306.955	0.0	153.4775	0.0
load	N_1200130323	constant_power_B_real	306.955	0.0	153.4775	0.0
load	N_1200130323	constant_power_C_real	306.955	0.0	153.4775	0.0
load	N_1200130323	constant_power_A_reac	100.891	0.0	50.4455	0.0
load	N_1200130323	constant_power_B_reac	100.891	0.0	50.4455	0.0
load	N_1200130323	constant_power_C_reac	100.891	0.0	50.4455	0.0
load	N_1200130322	constant_power_A	3197.44	1981.6	1598.72	990.8
load	N_1200130322	constant_power_B	3197.44	1981.6	1598.72	990.8
load	N_1200130322	constant_power_C	3197.44	1981.6	1598.72	990.8
load	N_1200130322	constant_power_A_real	3197.44	0.0	1598.72	0.0
load	N_1200130322	constant_power_B_real	3197.44	0.0	1598.72	0.0
load	N_1200130322	constant_power_C_real	3197.44	0.0	1598.72	0.0
load	N_1200130322	constant_power_A_reac	1981.6	0.0	990.8	0.0
load	N_1200130322	constant_power_B_reac	1981.6	0.0	990.8	0.0
load	N_1200130322	constant_power_C_reac	1981.6	0.0	990.8	0.0
load	N_1200130445	constant_power_A	129.496	42.5633	64.748	21.28165
load	N_1200130445	constant_power_B	129.496	42.5633	64.748	21.28165
load	N_1200130445	constant_power_A_real	129.496	0.0	64.748	0.0
load	N_1200130445	constant_power_B_real	129.496	0.0	64.748	0.0
load	N_1200130445	constant_power_A_reac	42.5633	0.0	21.28165	0.0
load	N_1200130445	constant_power_B_reac	42.5633	0.0	21.28165	0.0
load	N_1200130329	constant_power_A	4313.35	1504.28	2156.675	752.14
load	N_1200130329	constant_power_B	4313.35	1504.28	2156.675	752.14
load	N_1200130329	constant_power_C	4313.35	1504.28	2156.675	752.14
load	N_1200130329	constant_power_A_real	4313.35	0.0	2156.675	0.0
load	N_1200130329	constant_power_B_real	4313.35	0.0	2156.675	0.0
load	N_1200130329	constant_power_C_real	4313.35	0.0	2156.675	0.0
load	N_1200130329	constant_power_A_reac	1504.28	0.0	752.14	0.0
load	N_1200130329	constant_power_B_reac	1504.28	0.0	752.14	0.0
load	N_1200130329	constant_power_C_reac	1504.28	0.0	752.14	0.0
load	N_1200160321	constant_power_A	2647.48	1084.23	1323.74	542.115
load	N_1200160321	constant_power_B	2647.48	1084.23	1323.74	542.115
load	N_1200160321	constant_power_C	2647.48	1084.23	1323.74	542.115
load	N_1200160321	constant_power_A_real	2647.48	0.0	1323.74	0.0
load	N_1200160321	constant_power_B_real	2647.48	0.0	1323.74	0.0
load	N_1200160321	constant_power_C_real	2647.48	0.0	1323.74	0.0
load	N_1200160321	constant_power_A_reac	1084.23	0.0	542.115	0.0
load	N_1200160321	constant_power_B_reac	1084.23	0.0	542.115	0.0
load	N_1200160321	constant_power_C_reac	1084.23	0.0	542.115	0.0
load	N_1200467154	constant_power_A	1262.99	782.731	631.495	391.3655
load	N_1200467154	constant_power_B	1262.99	782.731	631.495	391.3655
load	N_1200467154	constant_power_C	1262.99	782.731	631.495	391.3655
load	N_1200467154	constant_power_A_real	1262.99	0.0	631.495	0.0
load	N_1200467154	constant_power_B_real	1262.99	0.0	631.495	0.0
load	N_1200467154	constant_power_C_real	1262.99	0.0	631.495	0.0
load	N_1200467154	constant_power_A_reac	782.731	0.0	391.3655	0.0
load	N_1200467154	constant_power_B_reac	782.731	0.0	391.3655	0.0
load	N_1200467154	constant_power_C_reac	782.731	0.0	391.3655	0.0
load	N_1200160323	constant_power_A	1394.09	863.977	697.045	431.9885
load	N_1200160323	constant_power_B	1394.09	863.977	697.045	431.9885
load	N_1200160323	constant_power_C	1394.09	863.977	697.045	431.9885
load	N_1200160323	constant_power_A_real	1394.09	0.0	697.045	0.0
load	N_1200160323	constant_power_B_real	1394.09	0.0	697.045	0.0
load	N_1200160323	constant_power_C_real	1394.09	0.0	697.045	0.0
load	N_1200160323	constant_power_A_reac	863.977	0.0	431.9885	0.0
load	N_1200160323	constant_power_B_reac	863.977	0.0	431.9885	0.0
load	N_1200160323	constant_power_C_reac	863.977	0.0	431.9885	0.0
load	N_1200166292	constant_power_A	3123.9	1936.02	1561.95	968.01
load	N_1200166292	constant_power_B	3123.9	1936.02	1561.95	968.01
load	N_1200166292	constant_power_C	3123.9	1936.02	1561.95	968.01
load	N_1200166292	constant_power_A_real	3123.9	0.0	1561.95	0.0
load	N_1200166292	constant_power_B_real	3123.9	0.0	1561.95	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166292	constant_power_C_real	3123.9	0.0	1561.95	0.0
load	N_1200166292	constant_power_A_reac	1936.02	0.0	968.01	0.0
load	N_1200166292	constant_power_B_reac	1936.02	0.0	968.01	0.0
load	N_1200166292	constant_power_C_reac	1936.02	0.0	968.01	0.0
load	N_1200166293	constant_power_A	1656.28	800.32	828.14	400.16
load	N_1200166293	constant_power_B	1656.28	800.32	828.14	400.16
load	N_1200166293	constant_power_C	1656.28	800.32	828.14	400.16
load	N_1200166293	constant_power_A_real	1656.28	0.0	828.14	0.0
load	N_1200166293	constant_power_B_real	1656.28	0.0	828.14	0.0
load	N_1200166293	constant_power_C_real	1656.28	0.0	828.14	0.0
load	N_1200166293	constant_power_A_reac	800.32	0.0	400.16	0.0
load	N_1200166293	constant_power_B_reac	800.32	0.0	400.16	0.0
load	N_1200166293	constant_power_C_reac	800.32	0.0	400.16	0.0
load	N_1200166290	constant_power_A	3763.39	1236.97	1881.695	618.485
load	N_1200166290	constant_power_B	3763.39	1236.97	1881.695	618.485
load	N_1200166290	constant_power_C	3763.39	1236.97	1881.695	618.485
load	N_1200166290	constant_power_A_real	3763.39	0.0	1881.695	0.0
load	N_1200166290	constant_power_B_real	3763.39	0.0	1881.695	0.0
load	N_1200166290	constant_power_C_real	3763.39	0.0	1881.695	0.0
load	N_1200166290	constant_power_A_reac	1236.97	0.0	618.485	0.0
load	N_1200166290	constant_power_B_reac	1236.97	0.0	618.485	0.0
load	N_1200166290	constant_power_C_reac	1236.97	0.0	618.485	0.0
load	N_1200094375	constant_power_A	3571.55	1173.91	1785.775	586.955
load	N_1200094375	constant_power_B	3571.55	1173.91	1785.775	586.955
load	N_1200094375	constant_power_C	3571.55	1173.91	1785.775	586.955
load	N_1200094375	constant_power_A_real	3571.55	0.0	1785.775	0.0
load	N_1200094375	constant_power_B_real	3571.55	0.0	1785.775	0.0
load	N_1200094375	constant_power_C_real	3571.55	0.0	1785.775	0.0
load	N_1200094375	constant_power_A_reac	1173.91	0.0	586.955	0.0
load	N_1200094375	constant_power_B_reac	1173.91	0.0	586.955	0.0
load	N_1200094375	constant_power_C_reac	1173.91	0.0	586.955	0.0
load	N_1200166295	constant_power_A	1119.11	693.559	559.555	346.7795
load	N_1200166295	constant_power_B	1119.11	693.559	559.555	346.7795
load	N_1200166295	constant_power_C	1119.11	693.559	559.555	346.7795
load	N_1200166295	constant_power_A_real	1119.11	0.0	559.555	0.0
load	N_1200166295	constant_power_B_real	1119.11	0.0	559.555	0.0
load	N_1200166295	constant_power_C_real	1119.11	0.0	559.555	0.0
load	N_1200166295	constant_power_A_reac	693.559	0.0	346.7795	0.0
load	N_1200166295	constant_power_B_reac	693.559	0.0	346.7795	0.0
load	N_1200166295	constant_power_C_reac	693.559	0.0	346.7795	0.0
load	N_1200084125	constant_power_A	901.679	296.368	450.8395	148.184
load	N_1200084125	constant_power_B	901.679	296.368	450.8395	148.184
load	N_1200084125	constant_power_C	901.679	296.368	450.8395	148.184
load	N_1200084125	constant_power_A_real	901.679	0.0	450.8395	0.0
load	N_1200084125	constant_power_B_real	901.679	0.0	450.8395	0.0
load	N_1200084125	constant_power_C_real	901.679	0.0	450.8395	0.0
load	N_1200084125	constant_power_A_reac	296.368	0.0	148.184	0.0
load	N_1200084125	constant_power_B_reac	296.368	0.0	148.184	0.0
load	N_1200084125	constant_power_C_reac	296.368	0.0	148.184	0.0
load	N_1200160291	constant_power_A	83.1337	27.3247	41.56685	13.66235
load	N_1200160291	constant_power_B	83.1337	27.3247	41.56685	13.66235
load	N_1200160291	constant_power_C	83.1337	27.3247	41.56685	13.66235
load	N_1200160291	constant_power_A_real	83.1337	0.0	41.56685	0.0
load	N_1200160291	constant_power_B_real	83.1337	0.0	41.56685	0.0
load	N_1200160291	constant_power_C_real	83.1337	0.0	41.56685	0.0
load	N_1200160291	constant_power_A_reac	27.3247	0.0	13.66235	0.0
load	N_1200160291	constant_power_B_reac	27.3247	0.0	13.66235	0.0
load	N_1200160291	constant_power_C_reac	27.3247	0.0	13.66235	0.0
load	N_1200130177	constant_power_A	14877.7	9220.37	7438.85	4610.185
load	N_1200130177	constant_power_B	14877.7	9220.37	7438.85	4610.185
load	N_1200130177	constant_power_C	14877.7	9220.37	7438.85	4610.185
load	N_1200130177	constant_power_A_real	14877.7	0.0	7438.85	0.0
load	N_1200130177	constant_power_B_real	14877.7	0.0	7438.85	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130177	constant_power_C_real	14877.7	0.0	7438.85	0.0
load	N_1200130177	constant_power_A_reac	9220.37	0.0	4610.185	0.0
load	N_1200130177	constant_power_B_reac	9220.37	0.0	4610.185	0.0
load	N_1200130177	constant_power_C_reac	9220.37	0.0	4610.185	0.0
load	N_1200074261	constant_power_A	32940.1	10826.9	16470.05	5413.45
load	N_1200074261	constant_power_B	32940.1	10826.9	16470.05	5413.45
load	N_1200074261	constant_power_A_real	32940.1	0.0	16470.05	0.0
load	N_1200074261	constant_power_B_real	32940.1	0.0	16470.05	0.0
load	N_1200074261	constant_power_A_reac	10826.9	0.0	5413.45	0.0
load	N_1200074261	constant_power_B_reac	10826.9	0.0	5413.45	0.0
load	N_1200129868	constant_power_A	1828.94	1133.47	914.47	566.735
load	N_1200129868	constant_power_B	1828.94	1133.47	914.47	566.735
load	N_1200129868	constant_power_C	1828.94	1133.47	914.47	566.735
load	N_1200129868	constant_power_A_real	1828.94	0.0	914.47	0.0
load	N_1200129868	constant_power_B_real	1828.94	0.0	914.47	0.0
load	N_1200129868	constant_power_C_real	1828.94	0.0	914.47	0.0
load	N_1200129868	constant_power_A_reac	1133.47	0.0	566.735	0.0
load	N_1200129868	constant_power_B_reac	1133.47	0.0	566.735	0.0
load	N_1200129868	constant_power_C_reac	1133.47	0.0	566.735	0.0
load	N_1200160293	constant_power_A	1304.56	428.787	652.28	214.3935
load	N_1200160293	constant_power_B	1304.56	428.787	652.28	214.3935
load	N_1200160293	constant_power_C	1304.56	428.787	652.28	214.3935
load	N_1200160293	constant_power_A_real	1304.56	0.0	652.28	0.0
load	N_1200160293	constant_power_B_real	1304.56	0.0	652.28	0.0
load	N_1200160293	constant_power_C_real	1304.56	0.0	652.28	0.0
load	N_1200160293	constant_power_A_reac	428.787	0.0	214.3935	0.0
load	N_1200160293	constant_power_B_reac	428.787	0.0	214.3935	0.0
load	N_1200160293	constant_power_C_reac	428.787	0.0	214.3935	0.0
load	N_1200166599	constant_power_A	2807.36	1177.73	1403.68	588.865
load	N_1200166599	constant_power_B	2807.36	1177.73	1403.68	588.865
load	N_1200166599	constant_power_C	2807.36	1177.73	1403.68	588.865
load	N_1200166599	constant_power_A_real	2807.36	0.0	1403.68	0.0
load	N_1200166599	constant_power_B_real	2807.36	0.0	1403.68	0.0
load	N_1200166599	constant_power_C_real	2807.36	0.0	1403.68	0.0
load	N_1200166599	constant_power_A_reac	1177.73	0.0	588.865	0.0
load	N_1200166599	constant_power_B_reac	1177.73	0.0	588.865	0.0
load	N_1200166599	constant_power_C_reac	1177.73	0.0	588.865	0.0
load	N_1200139319	constant_power_A	2263.79	744.072	1131.895	372.036
load	N_1200139319	constant_power_B	2263.79	744.072	1131.895	372.036
load	N_1200139319	constant_power_C	2263.79	744.072	1131.895	372.036
load	N_1200139319	constant_power_A_real	2263.79	0.0	1131.895	0.0
load	N_1200139319	constant_power_B_real	2263.79	0.0	1131.895	0.0
load	N_1200139319	constant_power_C_real	2263.79	0.0	1131.895	0.0
load	N_1200139319	constant_power_A_reac	744.072	0.0	372.036	0.0
load	N_1200139319	constant_power_B_reac	744.072	0.0	372.036	0.0
load	N_1200139319	constant_power_C_reac	744.072	0.0	372.036	0.0
load	N_1200139317	constant_power_A	284.573	176.362	142.2865	88.181
load	N_1200139317	constant_power_B	284.573	176.362	142.2865	88.181
load	N_1200139317	constant_power_C	284.573	176.362	142.2865	88.181
load	N_1200139317	constant_power_A_real	284.573	0.0	142.2865	0.0
load	N_1200139317	constant_power_B_real	284.573	0.0	142.2865	0.0
load	N_1200139317	constant_power_C_real	284.573	0.0	142.2865	0.0
load	N_1200139317	constant_power_A_reac	176.362	0.0	88.181	0.0
load	N_1200139317	constant_power_B_reac	176.362	0.0	88.181	0.0
load	N_1200139317	constant_power_C_reac	176.362	0.0	88.181	0.0
load	N_1200160294	constant_power_A	629.897	289.865	314.9485	144.9325
load	N_1200160294	constant_power_B	629.897	289.865	314.9485	144.9325
load	N_1200160294	constant_power_C	629.897	289.865	314.9485	144.9325
load	N_1200160294	constant_power_A_real	629.897	0.0	314.9485	0.0
load	N_1200160294	constant_power_B_real	629.897	0.0	314.9485	0.0
load	N_1200160294	constant_power_C_real	629.897	0.0	314.9485	0.0
load	N_1200160294	constant_power_A_reac	289.865	0.0	144.9325	0.0
load	N_1200160294	constant_power_B_reac	289.865	0.0	144.9325	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160294	constant_power_C_reac	289.865	0.0	144.9325	0.0
load	N_1200109818	constant_power_A	1787.37	587.48	893.685	293.74
load	N_1200109818	constant_power_B	1787.37	587.48	893.685	293.74
load	N_1200109818	constant_power_C	1787.37	587.48	893.685	293.74
load	N_1200109818	constant_power_A_real	1787.37	0.0	893.685	0.0
load	N_1200109818	constant_power_B_real	1787.37	0.0	893.685	0.0
load	N_1200109818	constant_power_C_real	1787.37	0.0	893.685	0.0
load	N_1200109818	constant_power_A_reac	587.48	0.0	293.74	0.0
load	N_1200109818	constant_power_B_reac	587.48	0.0	293.74	0.0
load	N_1200109818	constant_power_C_reac	587.48	0.0	293.74	0.0
load	N_1200109817	constant_power_A	2954.44	1831.0	1477.22	915.5
load	N_1200109817	constant_power_B	2954.44	1831.0	1477.22	915.5
load	N_1200109817	constant_power_C	2954.44	1831.0	1477.22	915.5
load	N_1200109817	constant_power_A_real	2954.44	0.0	1477.22	0.0
load	N_1200109817	constant_power_B_real	2954.44	0.0	1477.22	0.0
load	N_1200109817	constant_power_C_real	2954.44	0.0	1477.22	0.0
load	N_1200109817	constant_power_A_reac	1831.0	0.0	915.5	0.0
load	N_1200109817	constant_power_B_reac	1831.0	0.0	915.5	0.0
load	N_1200109817	constant_power_C_reac	1831.0	0.0	915.5	0.0
load	N_1200088222	constant_power_A	1365.31	846.142	682.655	423.071
load	N_1200088222	constant_power_B	1365.31	846.142	682.655	423.071
load	N_1200088222	constant_power_C	1365.31	846.142	682.655	423.071
load	N_1200088222	constant_power_A_real	1365.31	0.0	682.655	0.0
load	N_1200088222	constant_power_B_real	1365.31	0.0	682.655	0.0
load	N_1200088222	constant_power_C_real	1365.31	0.0	682.655	0.0
load	N_1200088222	constant_power_A_reac	846.142	0.0	423.071	0.0
load	N_1200088222	constant_power_B_reac	846.142	0.0	423.071	0.0
load	N_1200088222	constant_power_C_reac	846.142	0.0	423.071	0.0
load	N_1200129949	constant_power_A	4818.55	1587.5	2409.275	793.75
load	N_1200129949	constant_power_B	4818.55	1587.5	2409.275	793.75
load	N_1200129949	constant_power_C	4818.55	1587.5	2409.275	793.75
load	N_1200129949	constant_power_A_real	4818.55	0.0	2409.275	0.0
load	N_1200129949	constant_power_B_real	4818.55	0.0	2409.275	0.0
load	N_1200129949	constant_power_C_real	4818.55	0.0	2409.275	0.0
load	N_1200129949	constant_power_A_reac	1587.5	0.0	793.75	0.0
load	N_1200129949	constant_power_B_reac	1587.5	0.0	793.75	0.0
load	N_1200129949	constant_power_C_reac	1587.5	0.0	793.75	0.0
load	N_1200088227	constant_power_A	441.247	145.031	220.6235	72.5155
load	N_1200088227	constant_power_B	441.247	145.031	220.6235	72.5155
load	N_1200088227	constant_power_C	441.247	145.031	220.6235	72.5155
load	N_1200088227	constant_power_A_real	441.247	0.0	220.6235	0.0
load	N_1200088227	constant_power_B_real	441.247	0.0	220.6235	0.0
load	N_1200088227	constant_power_C_real	441.247	0.0	220.6235	0.0
load	N_1200088227	constant_power_A_reac	145.031	0.0	72.5155	0.0
load	N_1200088227	constant_power_B_reac	145.031	0.0	72.5155	0.0
load	N_1200088227	constant_power_C_reac	145.031	0.0	72.5155	0.0
load	N_1200130271	constant_power_A	284.573	176.362	142.2865	88.181
load	N_1200130271	constant_power_B	284.573	176.362	142.2865	88.181
load	N_1200130271	constant_power_C	284.573	176.362	142.2865	88.181
load	N_1200130271	constant_power_A_real	284.573	0.0	142.2865	0.0
load	N_1200130271	constant_power_B_real	284.573	0.0	142.2865	0.0
load	N_1200130271	constant_power_C_real	284.573	0.0	142.2865	0.0
load	N_1200130271	constant_power_A_reac	176.362	0.0	88.181	0.0
load	N_1200130271	constant_power_B_reac	176.362	0.0	88.181	0.0
load	N_1200130271	constant_power_C_reac	176.362	0.0	88.181	0.0
load	N_1200031581	constant_power_A	2055.96	675.76	1027.98	337.88
load	N_1200031581	constant_power_B	2055.96	675.76	1027.98	337.88
load	N_1200031581	constant_power_C	2055.96	675.76	1027.98	337.88
load	N_1200031581	constant_power_A_real	2055.96	0.0	1027.98	0.0
load	N_1200031581	constant_power_B_real	2055.96	0.0	1027.98	0.0
load	N_1200031581	constant_power_C_real	2055.96	0.0	1027.98	0.0
load	N_1200031581	constant_power_A_reac	675.76	0.0	337.88	0.0
load	N_1200031581	constant_power_B_reac	675.76	0.0	337.88	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200031581	constant_power_C_reac	675.76	0.0	337.88	0.0
load	N_1200031580	constant_power_A	5042.37	3124.98	2521.185	1562.49
load	N_1200031580	constant_power_B	5042.37	3124.98	2521.185	1562.49
load	N_1200031580	constant_power_C	5042.37	3124.98	2521.185	1562.49
load	N_1200031580	constant_power_A_real	5042.37	0.0	2521.185	0.0
load	N_1200031580	constant_power_B_real	5042.37	0.0	2521.185	0.0
load	N_1200031580	constant_power_C_real	5042.37	0.0	2521.185	0.0
load	N_1200031580	constant_power_A_reac	3124.98	0.0	1562.49	0.0
load	N_1200031580	constant_power_B_reac	3124.98	0.0	1562.49	0.0
load	N_1200031580	constant_power_C_reac	3124.98	0.0	1562.49	0.0
load	N_1200130270	constant_power_A	204.636	126.822	102.318	63.411
load	N_1200130270	constant_power_B	204.636	126.822	102.318	63.411
load	N_1200130270	constant_power_C	204.636	126.822	102.318	63.411
load	N_1200130270	constant_power_A_real	204.636	0.0	102.318	0.0
load	N_1200130270	constant_power_B_real	204.636	0.0	102.318	0.0
load	N_1200130270	constant_power_C_real	204.636	0.0	102.318	0.0
load	N_1200130270	constant_power_A_reac	126.822	0.0	63.411	0.0
load	N_1200130270	constant_power_B_reac	126.822	0.0	63.411	0.0
load	N_1200130270	constant_power_C_reac	126.822	0.0	63.411	0.0
load	N_1200109811	constant_power_A	2282.97	750.378	1141.485	375.189
load	N_1200109811	constant_power_B	2282.97	750.378	1141.485	375.189
load	N_1200109811	constant_power_C	2282.97	750.378	1141.485	375.189
load	N_1200109811	constant_power_A_real	2282.97	0.0	1141.485	0.0
load	N_1200109811	constant_power_B_real	2282.97	0.0	1141.485	0.0
load	N_1200109811	constant_power_C_real	2282.97	0.0	1141.485	0.0
load	N_1200109811	constant_power_A_reac	750.378	0.0	375.189	0.0
load	N_1200109811	constant_power_B_reac	750.378	0.0	375.189	0.0
load	N_1200109811	constant_power_C_reac	750.378	0.0	375.189	0.0
load	N_1200071815	constant_power_A	1349.32	452.807	674.66	226.4035
load	N_1200071815	constant_power_B	1349.32	452.807	674.66	226.4035
load	N_1200071815	constant_power_C	1349.32	452.807	674.66	226.4035
load	N_1200071815	constant_power_A_real	1349.32	0.0	674.66	0.0
load	N_1200071815	constant_power_B_real	1349.32	0.0	674.66	0.0
load	N_1200071815	constant_power_C_real	1349.32	0.0	674.66	0.0
load	N_1200071815	constant_power_A_reac	452.807	0.0	226.4035	0.0
load	N_1200071815	constant_power_B_reac	452.807	0.0	226.4035	0.0
load	N_1200071815	constant_power_C_reac	452.807	0.0	226.4035	0.0
load	N_1200071814	constant_power_A	856.915	342.147	428.4575	171.0735
load	N_1200071814	constant_power_B	856.915	342.147	428.4575	171.0735
load	N_1200071814	constant_power_C	856.915	342.147	428.4575	171.0735
load	N_1200071814	constant_power_A_real	856.915	0.0	428.4575	0.0
load	N_1200071814	constant_power_B_real	856.915	0.0	428.4575	0.0
load	N_1200071814	constant_power_C_real	856.915	0.0	428.4575	0.0
load	N_1200071814	constant_power_A_reac	342.147	0.0	171.0735	0.0
load	N_1200071814	constant_power_B_reac	342.147	0.0	171.0735	0.0
load	N_1200071814	constant_power_C_reac	342.147	0.0	171.0735	0.0
load	N_1200108739	constant_power_A	914.469	300.571	457.2345	150.2855
load	N_1200108739	constant_power_B	914.469	300.571	457.2345	150.2855
load	N_1200108739	constant_power_C	914.469	300.571	457.2345	150.2855
load	N_1200108739	constant_power_A_real	914.469	0.0	457.2345	0.0
load	N_1200108739	constant_power_B_real	914.469	0.0	457.2345	0.0
load	N_1200108739	constant_power_C_real	914.469	0.0	457.2345	0.0
load	N_1200108739	constant_power_A_reac	300.571	0.0	150.2855	0.0
load	N_1200108739	constant_power_B_reac	300.571	0.0	150.2855	0.0
load	N_1200108739	constant_power_C_reac	300.571	0.0	150.2855	0.0
load	N_1200108738	constant_power_A	4585.13	2841.61	2292.565	1420.805
load	N_1200108738	constant_power_B	4585.13	2841.61	2292.565	1420.805
load	N_1200108738	constant_power_C	4585.13	2841.61	2292.565	1420.805
load	N_1200108738	constant_power_A_real	4585.13	0.0	2292.565	0.0
load	N_1200108738	constant_power_B_real	4585.13	0.0	2292.565	0.0
load	N_1200108738	constant_power_C_real	4585.13	0.0	2292.565	0.0
load	N_1200108738	constant_power_A_reac	2841.61	0.0	1420.805	0.0
load	N_1200108738	constant_power_B_reac	2841.61	0.0	1420.805	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200108738	constant_power_C_reac	2841.61	0.0	1420.805	0.0
load	N_1200104663	constant_power_A	13899.3	8614.01	6949.65	4307.005
load	N_1200104663	constant_power_B	13899.3	8614.01	6949.65	4307.005
load	N_1200104663	constant_power_C	13899.3	8614.01	6949.65	4307.005
load	N_1200104663	constant_power_A_real	13899.3	0.0	6949.65	0.0
load	N_1200104663	constant_power_B_real	13899.3	0.0	6949.65	0.0
load	N_1200104663	constant_power_C_real	13899.3	0.0	6949.65	0.0
load	N_1200104663	constant_power_A_reac	8614.01	0.0	4307.005	0.0
load	N_1200104663	constant_power_B_reac	8614.01	0.0	4307.005	0.0
load	N_1200104663	constant_power_C_reac	8614.01	0.0	4307.005	0.0
load	N_1200159354	constant_power_A	714.629	234.887	357.3145	117.4435
load	N_1200159354	constant_power_B	714.629	234.887	357.3145	117.4435
load	N_1200159354	constant_power_A_real	714.629	0.0	357.3145	0.0
load	N_1200159354	constant_power_B_real	714.629	0.0	357.3145	0.0
load	N_1200159354	constant_power_A_reac	234.887	0.0	117.4435	0.0
load	N_1200159354	constant_power_B_reac	234.887	0.0	117.4435	0.0
load	N_1200159357	constant_power_A	335.732	208.068	167.866	104.034
load	N_1200159357	constant_power_B	335.732	208.068	167.866	104.034
load	N_1200159357	constant_power_C	335.732	208.068	167.866	104.034
load	N_1200159357	constant_power_A_real	335.732	0.0	167.866	0.0
load	N_1200159357	constant_power_B_real	335.732	0.0	167.866	0.0
load	N_1200159357	constant_power_C_real	335.732	0.0	167.866	0.0
load	N_1200159357	constant_power_A_reac	208.068	0.0	104.034	0.0
load	N_1200159357	constant_power_B_reac	208.068	0.0	104.034	0.0
load	N_1200159357	constant_power_C_reac	208.068	0.0	104.034	0.0
load	N_1200104660	constant_power_A	255.796	84.076	127.898	42.038
load	N_1200104660	constant_power_B	255.796	84.076	127.898	42.038
load	N_1200104660	constant_power_C	255.796	84.076	127.898	42.038
load	N_1200104660	constant_power_A_real	255.796	0.0	127.898	0.0
load	N_1200104660	constant_power_B_real	255.796	0.0	127.898	0.0
load	N_1200104660	constant_power_C_real	255.796	0.0	127.898	0.0
load	N_1200104660	constant_power_A_reac	84.076	0.0	42.038	0.0
load	N_1200104660	constant_power_B_reac	84.076	0.0	42.038	0.0
load	N_1200104660	constant_power_C_reac	84.076	0.0	42.038	0.0
load	N_1200160200	constant_power_A	5365.31	2887.72	2682.655	1443.86
load	N_1200160200	constant_power_B	5365.31	2887.72	2682.655	1443.86
load	N_1200160200	constant_power_C	5365.31	2887.72	2682.655	1443.86
load	N_1200160200	constant_power_A_real	5365.31	0.0	2682.655	0.0
load	N_1200160200	constant_power_B_real	5365.31	0.0	2682.655	0.0
load	N_1200160200	constant_power_C_real	5365.31	0.0	2682.655	0.0
load	N_1200160200	constant_power_A_reac	2887.72	0.0	1443.86	0.0
load	N_1200160200	constant_power_B_reac	2887.72	0.0	1443.86	0.0
load	N_1200160200	constant_power_C_reac	2887.72	0.0	1443.86	0.0
load	N_1200159352	constant_power_A	1125.5	369.934	562.75	184.967
load	N_1200159352	constant_power_B	1125.5	369.934	562.75	184.967
load	N_1200159352	constant_power_C	1125.5	369.934	562.75	184.967
load	N_1200159352	constant_power_A_real	1125.5	0.0	562.75	0.0
load	N_1200159352	constant_power_B_real	1125.5	0.0	562.75	0.0
load	N_1200159352	constant_power_C_real	1125.5	0.0	562.75	0.0
load	N_1200159352	constant_power_A_reac	369.934	0.0	184.967	0.0
load	N_1200159352	constant_power_B_reac	369.934	0.0	184.967	0.0
load	N_1200159352	constant_power_C_reac	369.934	0.0	184.967	0.0
load	N_1200109884	constant_power_A	1333.33	438.246	666.665	219.123
load	N_1200109884	constant_power_B	1333.33	438.246	666.665	219.123
load	N_1200109884	constant_power_C	1333.33	438.246	666.665	219.123
load	N_1200109884	constant_power_A_real	1333.33	0.0	666.665	0.0
load	N_1200109884	constant_power_B_real	1333.33	0.0	666.665	0.0
load	N_1200109884	constant_power_C_real	1333.33	0.0	666.665	0.0
load	N_1200109884	constant_power_A_reac	438.246	0.0	219.123	0.0
load	N_1200109884	constant_power_B_reac	438.246	0.0	219.123	0.0
load	N_1200109884	constant_power_C_reac	438.246	0.0	219.123	0.0
load	N_1200090391	constant_power_A	2196.64	855.085	1098.32	427.5425
load	N_1200090391	constant_power_B	2196.64	855.085	1098.32	427.5425

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200090391	constant_power_C	2196.64	855.085	1098.32	427.5425
load	N_1200090391	constant_power_A_real	2196.64	0.0	1098.32	0.0
load	N_1200090391	constant_power_B_real	2196.64	0.0	1098.32	0.0
load	N_1200090391	constant_power_C_real	2196.64	0.0	1098.32	0.0
load	N_1200090391	constant_power_A_reac	855.085	0.0	427.5425	0.0
load	N_1200090391	constant_power_B_reac	855.085	0.0	427.5425	0.0
load	N_1200090391	constant_power_C_reac	855.085	0.0	427.5425	0.0
load	N_1200109886	constant_power_A	4666.67	2892.14	2333.335	1446.07
load	N_1200109886	constant_power_B	4666.67	2892.14	2333.335	1446.07
load	N_1200109886	constant_power_C	4666.67	2892.14	2333.335	1446.07
load	N_1200109886	constant_power_A_real	4666.67	0.0	2333.335	0.0
load	N_1200109886	constant_power_B_real	4666.67	0.0	2333.335	0.0
load	N_1200109886	constant_power_C_real	4666.67	0.0	2333.335	0.0
load	N_1200109886	constant_power_A_reac	2892.14	0.0	1446.07	0.0
load	N_1200109886	constant_power_B_reac	2892.14	0.0	1446.07	0.0
load	N_1200109886	constant_power_C_reac	2892.14	0.0	1446.07	0.0
load	N_1200160174	constant_power_A	2164.67	711.493	1082.335	355.7465
load	N_1200160174	constant_power_B	2164.67	711.493	1082.335	355.7465
load	N_1200160174	constant_power_C	2164.67	711.493	1082.335	355.7465
load	N_1200160174	constant_power_A_real	2164.67	0.0	1082.335	0.0
load	N_1200160174	constant_power_B_real	2164.67	0.0	1082.335	0.0
load	N_1200160174	constant_power_C_real	2164.67	0.0	1082.335	0.0
load	N_1200160174	constant_power_A_reac	711.493	0.0	355.7465	0.0
load	N_1200160174	constant_power_B_reac	711.493	0.0	355.7465	0.0
load	N_1200160174	constant_power_C_reac	711.493	0.0	355.7465	0.0
load	N_1200109880	constant_power_A	588.33	364.614	294.165	182.307
load	N_1200109880	constant_power_B	588.33	364.614	294.165	182.307
load	N_1200109880	constant_power_C	588.33	364.614	294.165	182.307
load	N_1200109880	constant_power_A_real	588.33	0.0	294.165	0.0
load	N_1200109880	constant_power_B_real	588.33	0.0	294.165	0.0
load	N_1200109880	constant_power_C_real	588.33	0.0	294.165	0.0
load	N_1200109880	constant_power_A_reac	364.614	0.0	182.307	0.0
load	N_1200109880	constant_power_B_reac	364.614	0.0	182.307	0.0
load	N_1200109880	constant_power_C_reac	364.614	0.0	182.307	0.0
load	N_1200071881	constant_power_A	326.139	202.123	163.0695	101.0615
load	N_1200071881	constant_power_B	326.139	202.123	163.0695	101.0615
load	N_1200071881	constant_power_C	326.139	202.123	163.0695	101.0615
load	N_1200071881	constant_power_A_real	326.139	0.0	163.0695	0.0
load	N_1200071881	constant_power_B_real	326.139	0.0	163.0695	0.0
load	N_1200071881	constant_power_C_real	326.139	0.0	163.0695	0.0
load	N_1200071881	constant_power_A_reac	202.123	0.0	101.0615	0.0
load	N_1200071881	constant_power_B_reac	202.123	0.0	101.0615	0.0
load	N_1200071881	constant_power_C_reac	202.123	0.0	101.0615	0.0
load	N_1200159558	constant_power_A	1039.17	341.558	519.585	170.779
load	N_1200159558	constant_power_B	1039.17	341.558	519.585	170.779
load	N_1200159558	constant_power_C	1039.17	341.558	519.585	170.779
load	N_1200159558	constant_power_A_real	1039.17	0.0	519.585	0.0
load	N_1200159558	constant_power_B_real	1039.17	0.0	519.585	0.0
load	N_1200159558	constant_power_C_real	1039.17	0.0	519.585	0.0
load	N_1200159558	constant_power_A_reac	341.558	0.0	170.779	0.0
load	N_1200159558	constant_power_B_reac	341.558	0.0	170.779	0.0
load	N_1200159558	constant_power_C_reac	341.558	0.0	170.779	0.0
load	N_1200030189	constant_power_A	952.838	323.42	476.419	161.71
load	N_1200030189	constant_power_B	952.838	323.42	476.419	161.71
load	N_1200030189	constant_power_C	952.838	323.42	476.419	161.71
load	N_1200030189	constant_power_A_real	952.838	0.0	476.419	0.0
load	N_1200030189	constant_power_B_real	952.838	0.0	476.419	0.0
load	N_1200030189	constant_power_C_real	952.838	0.0	476.419	0.0
load	N_1200030189	constant_power_A_reac	323.42	0.0	161.71	0.0
load	N_1200030189	constant_power_B_reac	323.42	0.0	161.71	0.0
load	N_1200030189	constant_power_C_reac	323.42	0.0	161.71	0.0
load	N_1200167086	constant_power_A	1397.28	459.265	698.64	229.6325
load	N_1200167086	constant_power_B	1397.28	459.265	698.64	229.6325

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200167086	constant_power_C	1397.28	459.265	698.64	229.6325
load	N_1200167086	constant_power_A_real	1397.28	0.0	698.64	0.0
load	N_1200167086	constant_power_B_real	1397.28	0.0	698.64	0.0
load	N_1200167086	constant_power_C_real	1397.28	0.0	698.64	0.0
load	N_1200167086	constant_power_A_reac	459.265	0.0	229.6325	0.0
load	N_1200167086	constant_power_B_reac	459.265	0.0	229.6325	0.0
load	N_1200167086	constant_power_C_reac	459.265	0.0	229.6325	0.0
load	N_1200129870	constant_power_A	147.082	91.1534	73.541	45.5767
load	N_1200129870	constant_power_B	147.082	91.1534	73.541	45.5767
load	N_1200129870	constant_power_C	147.082	91.1534	73.541	45.5767
load	N_1200129870	constant_power_A_real	147.082	0.0	73.541	0.0
load	N_1200129870	constant_power_B_real	147.082	0.0	73.541	0.0
load	N_1200129870	constant_power_C_real	147.082	0.0	73.541	0.0
load	N_1200129870	constant_power_A_reac	91.1534	0.0	45.5767	0.0
load	N_1200129870	constant_power_B_reac	91.1534	0.0	45.5767	0.0
load	N_1200129870	constant_power_C_reac	91.1534	0.0	45.5767	0.0
load	N_1200087878	constant_power_A	940.049	308.979	470.0245	154.4895
load	N_1200087878	constant_power_B	940.049	308.979	470.0245	154.4895
load	N_1200087878	constant_power_C	940.049	308.979	470.0245	154.4895
load	N_1200087878	constant_power_A_real	940.049	0.0	470.0245	0.0
load	N_1200087878	constant_power_B_real	940.049	0.0	470.0245	0.0
load	N_1200087878	constant_power_C_real	940.049	0.0	470.0245	0.0
load	N_1200087878	constant_power_A_reac	308.979	0.0	154.4895	0.0
load	N_1200087878	constant_power_B_reac	308.979	0.0	154.4895	0.0
load	N_1200087878	constant_power_C_reac	308.979	0.0	154.4895	0.0
load	N_1200167081	constant_power_A	1713.83	563.309	856.915	281.6545
load	N_1200167081	constant_power_B	1713.83	563.309	856.915	281.6545
load	N_1200167081	constant_power_C	1713.83	563.309	856.915	281.6545
load	N_1200167081	constant_power_A_real	1713.83	0.0	856.915	0.0
load	N_1200167081	constant_power_B_real	1713.83	0.0	856.915	0.0
load	N_1200167081	constant_power_C_real	1713.83	0.0	856.915	0.0
load	N_1200167081	constant_power_A_reac	563.309	0.0	281.6545	0.0
load	N_1200167081	constant_power_B_reac	563.309	0.0	281.6545	0.0
load	N_1200167081	constant_power_C_reac	563.309	0.0	281.6545	0.0
load	N_1200167082	constant_power_A	441.247	145.031	220.6235	72.5155
load	N_1200167082	constant_power_B	441.247	145.031	220.6235	72.5155
load	N_1200167082	constant_power_C	441.247	145.031	220.6235	72.5155
load	N_1200167082	constant_power_A_real	441.247	0.0	220.6235	0.0
load	N_1200167082	constant_power_B_real	441.247	0.0	220.6235	0.0
load	N_1200167082	constant_power_C_real	441.247	0.0	220.6235	0.0
load	N_1200167082	constant_power_A_reac	145.031	0.0	72.5155	0.0
load	N_1200167082	constant_power_B_reac	145.031	0.0	72.5155	0.0
load	N_1200167082	constant_power_C_reac	145.031	0.0	72.5155	0.0
load	N_1200167083	constant_power_A	1346.12	472.23	673.06	236.115
load	N_1200167083	constant_power_B	1346.12	472.23	673.06	236.115
load	N_1200167083	constant_power_C	1346.12	472.23	673.06	236.115
load	N_1200167083	constant_power_A_real	1346.12	0.0	673.06	0.0
load	N_1200167083	constant_power_B_real	1346.12	0.0	673.06	0.0
load	N_1200167083	constant_power_C_real	1346.12	0.0	673.06	0.0
load	N_1200167083	constant_power_A_reac	472.23	0.0	236.115	0.0
load	N_1200167083	constant_power_B_reac	472.23	0.0	236.115	0.0
load	N_1200167083	constant_power_C_reac	472.23	0.0	236.115	0.0
load	N_1200087877	constant_power_A	4665.07	1533.33	2332.535	766.665
load	N_1200087877	constant_power_B	4665.07	1533.33	2332.535	766.665
load	N_1200087877	constant_power_C	4665.07	1533.33	2332.535	766.665
load	N_1200087877	constant_power_A_real	4665.07	0.0	2332.535	0.0
load	N_1200087877	constant_power_B_real	4665.07	0.0	2332.535	0.0
load	N_1200087877	constant_power_C_real	4665.07	0.0	2332.535	0.0
load	N_1200087877	constant_power_A_reac	1533.33	0.0	766.665	0.0
load	N_1200087877	constant_power_B_reac	1533.33	0.0	766.665	0.0
load	N_1200087877	constant_power_C_reac	1533.33	0.0	766.665	0.0
load	N_1200030208	constant_power_A	808.953	371.053	404.4765	185.5265
load	N_1200030208	constant_power_B	808.953	371.053	404.4765	185.5265

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200030208	constant_power_C	808.953	371.053	404.4765	185.5265
load	N_1200030208	constant_power_A_real	808.953	0.0	404.4765	0.0
load	N_1200030208	constant_power_B_real	808.953	0.0	404.4765	0.0
load	N_1200030208	constant_power_C_real	808.953	0.0	404.4765	0.0
load	N_1200030208	constant_power_A_reac	371.053	0.0	185.5265	0.0
load	N_1200030208	constant_power_B_reac	371.053	0.0	185.5265	0.0
load	N_1200030208	constant_power_C_reac	371.053	0.0	185.5265	0.0
load	N_1200130016	constant_power_A	1183.05	388.851	591.525	194.4255
load	N_1200130016	constant_power_B	1183.05	388.851	591.525	194.4255
load	N_1200130016	constant_power_C	1183.05	388.851	591.525	194.4255
load	N_1200130016	constant_power_A_real	1183.05	0.0	591.525	0.0
load	N_1200130016	constant_power_B_real	1183.05	0.0	591.525	0.0
load	N_1200130016	constant_power_C_real	1183.05	0.0	591.525	0.0
load	N_1200130016	constant_power_A_reac	388.851	0.0	194.4255	0.0
load	N_1200130016	constant_power_B_reac	388.851	0.0	194.4255	0.0
load	N_1200130016	constant_power_C_reac	388.851	0.0	194.4255	0.0
load	N_1200130226	constant_power_A	14942.4	9260.5	7471.2	4630.25
load	N_1200130226	constant_power_B	14942.4	9260.5	7471.2	4630.25
load	N_1200130226	constant_power_C	14942.4	9260.5	7471.2	4630.25
load	N_1200130226	constant_power_A_real	14942.4	0.0	7471.2	0.0
load	N_1200130226	constant_power_B_real	14942.4	0.0	7471.2	0.0
load	N_1200130226	constant_power_C_real	14942.4	0.0	7471.2	0.0
load	N_1200130226	constant_power_A_reac	9260.5	0.0	4630.25	0.0
load	N_1200130226	constant_power_B_reac	9260.5	0.0	4630.25	0.0
load	N_1200130226	constant_power_C_reac	9260.5	0.0	4630.25	0.0
load	N_1200159256	constant_power_A	300.56	186.27	150.28	93.135
load	N_1200159256	constant_power_B	300.56	186.27	150.28	93.135
load	N_1200159256	constant_power_C	300.56	186.27	150.28	93.135
load	N_1200159256	constant_power_A_real	300.56	0.0	150.28	0.0
load	N_1200159256	constant_power_B_real	300.56	0.0	150.28	0.0
load	N_1200159256	constant_power_C_real	300.56	0.0	150.28	0.0
load	N_1200159256	constant_power_A_reac	186.27	0.0	93.135	0.0
load	N_1200159256	constant_power_B_reac	186.27	0.0	93.135	0.0
load	N_1200159256	constant_power_C_reac	186.27	0.0	93.135	0.0
load	N_1200130227	constant_power_A	1093.53	485.993	546.765	242.9965
load	N_1200130227	constant_power_B	1093.53	485.993	546.765	242.9965
load	N_1200130227	constant_power_C	1093.53	485.993	546.765	242.9965
load	N_1200130227	constant_power_A_real	1093.53	0.0	546.765	0.0
load	N_1200130227	constant_power_B_real	1093.53	0.0	546.765	0.0
load	N_1200130227	constant_power_C_real	1093.53	0.0	546.765	0.0
load	N_1200130227	constant_power_A_reac	485.993	0.0	242.9965	0.0
load	N_1200130227	constant_power_B_reac	485.993	0.0	242.9965	0.0
load	N_1200130227	constant_power_C_reac	485.993	0.0	242.9965	0.0
load	N_1200059667	constant_power_A	128000.0	79327.3	64000.0	39663.65
load	N_1200059667	constant_power_B	128000.0	79327.3	64000.0	39663.65
load	N_1200059667	constant_power_C	128000.0	79327.3	64000.0	39663.65
load	N_1200059667	constant_power_A_real	128000.0	0.0	64000.0	0.0
load	N_1200059667	constant_power_B_real	128000.0	0.0	64000.0	0.0
load	N_1200059667	constant_power_C_real	128000.0	0.0	64000.0	0.0
load	N_1200059667	constant_power_A_reac	79327.3	0.0	39663.65	0.0
load	N_1200059667	constant_power_B_reac	79327.3	0.0	39663.65	0.0
load	N_1200059667	constant_power_C_reac	79327.3	0.0	39663.65	0.0
load	N_1200159539	constant_power_A	1055.16	346.813	527.58	173.4065
load	N_1200159539	constant_power_B	1055.16	346.813	527.58	173.4065
load	N_1200159539	constant_power_C	1055.16	346.813	527.58	173.4065
load	N_1200159539	constant_power_A_real	1055.16	0.0	527.58	0.0
load	N_1200159539	constant_power_B_real	1055.16	0.0	527.58	0.0
load	N_1200159539	constant_power_C_real	1055.16	0.0	527.58	0.0
load	N_1200159539	constant_power_A_reac	346.813	0.0	173.4065	0.0
load	N_1200159539	constant_power_B_reac	346.813	0.0	173.4065	0.0
load	N_1200159539	constant_power_C_reac	346.813	0.0	173.4065	0.0
load	N_1200159538	constant_power_A	2062.35	1048.26	1031.175	524.13
load	N_1200159538	constant_power_B	2062.35	1048.26	1031.175	524.13

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159538	constant_power_C	2062.35	1048.26	1031.175	524.13
load	N_1200159538	constant_power_A_real	2062.35	0.0	1031.175	0.0
load	N_1200159538	constant_power_B_real	2062.35	0.0	1031.175	0.0
load	N_1200159538	constant_power_C_real	2062.35	0.0	1031.175	0.0
load	N_1200159538	constant_power_A_reac	1048.26	0.0	524.13	0.0
load	N_1200159538	constant_power_B_reac	1048.26	0.0	524.13	0.0
load	N_1200159538	constant_power_C_reac	1048.26	0.0	524.13	0.0
load	N_1200130064	constant_power_A	511.591	317.056	255.7955	158.528
load	N_1200130064	constant_power_B	511.591	317.056	255.7955	158.528
load	N_1200130064	constant_power_C	511.591	317.056	255.7955	158.528
load	N_1200130064	constant_power_A_real	511.591	0.0	255.7955	0.0
load	N_1200130064	constant_power_B_real	511.591	0.0	255.7955	0.0
load	N_1200130064	constant_power_C_real	511.591	0.0	255.7955	0.0
load	N_1200130064	constant_power_A_reac	317.056	0.0	158.528	0.0
load	N_1200130064	constant_power_B_reac	317.056	0.0	158.528	0.0
load	N_1200130064	constant_power_C_reac	317.056	0.0	158.528	0.0
load	N_1200130065	constant_power_A	13448.4	7693.38	6724.2	3846.69
load	N_1200130065	constant_power_B	13448.4	7693.38	6724.2	3846.69
load	N_1200130065	constant_power_C	13448.4	7693.38	6724.2	3846.69
load	N_1200130065	constant_power_A_real	13448.4	0.0	6724.2	0.0
load	N_1200130065	constant_power_B_real	13448.4	0.0	6724.2	0.0
load	N_1200130065	constant_power_C_real	13448.4	0.0	6724.2	0.0
load	N_1200130065	constant_power_A_reac	7693.38	0.0	3846.69	0.0
load	N_1200130065	constant_power_B_reac	7693.38	0.0	3846.69	0.0
load	N_1200130065	constant_power_C_reac	7693.38	0.0	3846.69	0.0
load	N_1200130062	constant_power_A	1796.96	590.633	898.48	295.3165
load	N_1200130062	constant_power_B	1796.96	590.633	898.48	295.3165
load	N_1200130062	constant_power_C	1796.96	590.633	898.48	295.3165
load	N_1200130062	constant_power_A_real	1796.96	0.0	898.48	0.0
load	N_1200130062	constant_power_B_real	1796.96	0.0	898.48	0.0
load	N_1200130062	constant_power_C_real	1796.96	0.0	898.48	0.0
load	N_1200130062	constant_power_A_reac	590.633	0.0	295.3165	0.0
load	N_1200130062	constant_power_B_reac	590.633	0.0	295.3165	0.0
load	N_1200130062	constant_power_C_reac	590.633	0.0	295.3165	0.0
load	N_1200130060	constant_power_A	1061.55	348.915	530.775	174.4575
load	N_1200130060	constant_power_B	1061.55	348.915	530.775	174.4575
load	N_1200130060	constant_power_C	1061.55	348.915	530.775	174.4575
load	N_1200130060	constant_power_A_real	1061.55	0.0	530.775	0.0
load	N_1200130060	constant_power_B_real	1061.55	0.0	530.775	0.0
load	N_1200130060	constant_power_C_real	1061.55	0.0	530.775	0.0
load	N_1200130060	constant_power_A_reac	348.915	0.0	174.4575	0.0
load	N_1200130060	constant_power_B_reac	348.915	0.0	174.4575	0.0
load	N_1200130060	constant_power_C_reac	348.915	0.0	174.4575	0.0
load	N_1200130061	constant_power_A	12495.6	7744.08	6247.8	3872.04
load	N_1200130061	constant_power_B	12495.6	7744.08	6247.8	3872.04
load	N_1200130061	constant_power_C	12495.6	7744.08	6247.8	3872.04
load	N_1200130061	constant_power_A_real	12495.6	0.0	6247.8	0.0
load	N_1200130061	constant_power_B_real	12495.6	0.0	6247.8	0.0
load	N_1200130061	constant_power_C_real	12495.6	0.0	6247.8	0.0
load	N_1200130061	constant_power_A_reac	7744.08	0.0	3872.04	0.0
load	N_1200130061	constant_power_B_reac	7744.08	0.0	3872.04	0.0
load	N_1200130061	constant_power_C_reac	7744.08	0.0	3872.04	0.0
load	N_1200159531	constant_power_A	3229.42	2001.41	1614.71	1000.705
load	N_1200159531	constant_power_B	3229.42	2001.41	1614.71	1000.705
load	N_1200159531	constant_power_C	3229.42	2001.41	1614.71	1000.705
load	N_1200159531	constant_power_A_real	3229.42	0.0	1614.71	0.0
load	N_1200159531	constant_power_B_real	3229.42	0.0	1614.71	0.0
load	N_1200159531	constant_power_C_real	3229.42	0.0	1614.71	0.0
load	N_1200159531	constant_power_A_reac	2001.41	0.0	1000.705	0.0
load	N_1200159531	constant_power_B_reac	2001.41	0.0	1000.705	0.0
load	N_1200159531	constant_power_C_reac	2001.41	0.0	1000.705	0.0
load	N_1200130341	constant_power_A	2844.13	934.819	1422.065	467.4095
load	N_1200130341	constant_power_B	2844.13	934.819	1422.065	467.4095

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130341	constant_power_A_real	2844.13	0.0	1422.065	0.0
load	N_1200130341	constant_power_B_real	2844.13	0.0	1422.065	0.0
load	N_1200130341	constant_power_A_reac	934.819	0.0	467.4095	0.0
load	N_1200130341	constant_power_B_reac	934.819	0.0	467.4095	0.0
load	N_1200159533	constant_power_A	31.9743	19.8159	15.98715	9.90795
load	N_1200159533	constant_power_B	31.9743	19.8159	15.98715	9.90795
load	N_1200159533	constant_power_C	31.9743	19.8159	15.98715	9.90795
load	N_1200159533	constant_power_A_real	31.9743	0.0	15.98715	0.0
load	N_1200159533	constant_power_B_real	31.9743	0.0	15.98715	0.0
load	N_1200159533	constant_power_C_real	31.9743	0.0	15.98715	0.0
load	N_1200159533	constant_power_A_reac	19.8159	0.0	9.90795	0.0
load	N_1200159533	constant_power_B_reac	19.8159	0.0	9.90795	0.0
load	N_1200159533	constant_power_C_reac	19.8159	0.0	9.90795	0.0
load	N_1200159532	constant_power_A	2570.74	844.963	1285.37	422.4815
load	N_1200159532	constant_power_B	2570.74	844.963	1285.37	422.4815
load	N_1200159532	constant_power_C	2570.74	844.963	1285.37	422.4815
load	N_1200159532	constant_power_A_real	2570.74	0.0	1285.37	0.0
load	N_1200159532	constant_power_B_real	2570.74	0.0	1285.37	0.0
load	N_1200159532	constant_power_C_real	2570.74	0.0	1285.37	0.0
load	N_1200159532	constant_power_A_reac	844.963	0.0	422.4815	0.0
load	N_1200159532	constant_power_B_reac	844.963	0.0	422.4815	0.0
load	N_1200159532	constant_power_C_reac	844.963	0.0	422.4815	0.0
load	N_1200159535	constant_power_A	207.834	128.804	103.917	64.402
load	N_1200159535	constant_power_B	207.834	128.804	103.917	64.402
load	N_1200159535	constant_power_C	207.834	128.804	103.917	64.402
load	N_1200159535	constant_power_A_real	207.834	0.0	103.917	0.0
load	N_1200159535	constant_power_B_real	207.834	0.0	103.917	0.0
load	N_1200159535	constant_power_C_real	207.834	0.0	103.917	0.0
load	N_1200159535	constant_power_A_reac	128.804	0.0	64.402	0.0
load	N_1200159535	constant_power_B_reac	128.804	0.0	64.402	0.0
load	N_1200159535	constant_power_C_reac	128.804	0.0	64.402	0.0
load	N_1200159534	constant_power_A	1915.27	629.518	957.635	314.759
load	N_1200159534	constant_power_B	1915.27	629.518	957.635	314.759
load	N_1200159534	constant_power_C	1915.27	629.518	957.635	314.759
load	N_1200159534	constant_power_A_real	1915.27	0.0	957.635	0.0
load	N_1200159534	constant_power_B_real	1915.27	0.0	957.635	0.0
load	N_1200159534	constant_power_C_real	1915.27	0.0	957.635	0.0
load	N_1200159534	constant_power_A_reac	629.518	0.0	314.759	0.0
load	N_1200159534	constant_power_B_reac	629.518	0.0	314.759	0.0
load	N_1200159534	constant_power_C_reac	629.518	0.0	314.759	0.0
load	N_1200159537	constant_power_A	2928.86	1815.14	1464.43	907.57
load	N_1200159537	constant_power_B	2928.86	1815.14	1464.43	907.57
load	N_1200159537	constant_power_C	2928.86	1815.14	1464.43	907.57
load	N_1200159537	constant_power_A_real	2928.86	0.0	1464.43	0.0
load	N_1200159537	constant_power_B_real	2928.86	0.0	1464.43	0.0
load	N_1200159537	constant_power_C_real	2928.86	0.0	1464.43	0.0
load	N_1200159537	constant_power_A_reac	1815.14	0.0	907.57	0.0
load	N_1200159537	constant_power_B_reac	1815.14	0.0	907.57	0.0
load	N_1200159537	constant_power_C_reac	1815.14	0.0	907.57	0.0
load	N_1200130102	constant_power_A	924.061	303.724	462.0305	151.862
load	N_1200130102	constant_power_B	924.061	303.724	462.0305	151.862
load	N_1200130102	constant_power_C	924.061	303.724	462.0305	151.862
load	N_1200130102	constant_power_A_real	924.061	0.0	462.0305	0.0
load	N_1200130102	constant_power_B_real	924.061	0.0	462.0305	0.0
load	N_1200130102	constant_power_C_real	924.061	0.0	462.0305	0.0
load	N_1200130102	constant_power_A_reac	303.724	0.0	151.862	0.0
load	N_1200130102	constant_power_B_reac	303.724	0.0	151.862	0.0
load	N_1200130102	constant_power_C_reac	303.724	0.0	151.862	0.0
load	N_1200130264	constant_power_A	2641.09	868.084	1320.545	434.042
load	N_1200130264	constant_power_B	2641.09	868.084	1320.545	434.042
load	N_1200130264	constant_power_C	2641.09	868.084	1320.545	434.042
load	N_1200130264	constant_power_A_real	2641.09	0.0	1320.545	0.0
load	N_1200130264	constant_power_B_real	2641.09	0.0	1320.545	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130264	constant_power_C_real	2641.09	0.0	1320.545	0.0
load	N_1200130264	constant_power_A_reac	868.084	0.0	434.042	0.0
load	N_1200130264	constant_power_B_reac	868.084	0.0	434.042	0.0
load	N_1200130264	constant_power_C_reac	868.084	0.0	434.042	0.0
load	N_1200159431	constant_power_A	1940.85	807.304	970.425	403.652
load	N_1200159431	constant_power_B	1940.85	807.304	970.425	403.652
load	N_1200159431	constant_power_C	1940.85	807.304	970.425	403.652
load	N_1200159431	constant_power_A_real	1940.85	0.0	970.425	0.0
load	N_1200159431	constant_power_B_real	1940.85	0.0	970.425	0.0
load	N_1200159431	constant_power_C_real	1940.85	0.0	970.425	0.0
load	N_1200159431	constant_power_A_reac	807.304	0.0	403.652	0.0
load	N_1200159431	constant_power_B_reac	807.304	0.0	403.652	0.0
load	N_1200159431	constant_power_C_reac	807.304	0.0	403.652	0.0
load	N_1200159432	constant_power_A	796.164	493.418	398.082	246.709
load	N_1200159432	constant_power_B	796.164	493.418	398.082	246.709
load	N_1200159432	constant_power_C	796.164	493.418	398.082	246.709
load	N_1200159432	constant_power_A_real	796.164	0.0	398.082	0.0
load	N_1200159432	constant_power_B_real	796.164	0.0	398.082	0.0
load	N_1200159432	constant_power_C_real	796.164	0.0	398.082	0.0
load	N_1200159432	constant_power_A_reac	493.418	0.0	246.709	0.0
load	N_1200159432	constant_power_B_reac	493.418	0.0	246.709	0.0
load	N_1200159432	constant_power_C_reac	493.418	0.0	246.709	0.0
load	N_1200160147	constant_power_A	3466.03	1328.15	1733.015	664.075
load	N_1200160147	constant_power_B	3466.03	1328.15	1733.015	664.075
load	N_1200160147	constant_power_C	3466.03	1328.15	1733.015	664.075
load	N_1200160147	constant_power_A_real	3466.03	0.0	1733.015	0.0
load	N_1200160147	constant_power_B_real	3466.03	0.0	1733.015	0.0
load	N_1200160147	constant_power_C_real	3466.03	0.0	1733.015	0.0
load	N_1200160147	constant_power_A_reac	1328.15	0.0	664.075	0.0
load	N_1200160147	constant_power_B_reac	1328.15	0.0	664.075	0.0
load	N_1200160147	constant_power_C_reac	1328.15	0.0	664.075	0.0
load	N_1200130260	constant_power_A	57.554	18.9171	28.777	9.45855
load	N_1200130260	constant_power_B	57.554	18.9171	28.777	9.45855
load	N_1200130260	constant_power_C	57.554	18.9171	28.777	9.45855
load	N_1200130260	constant_power_A_real	57.554	0.0	28.777	0.0
load	N_1200130260	constant_power_B_real	57.554	0.0	28.777	0.0
load	N_1200130260	constant_power_C_real	57.554	0.0	28.777	0.0
load	N_1200130260	constant_power_A_reac	18.9171	0.0	9.45855	0.0
load	N_1200130260	constant_power_B_reac	18.9171	0.0	9.45855	0.0
load	N_1200130260	constant_power_C_reac	18.9171	0.0	9.45855	0.0
load	N_1200130261	constant_power_A	2148.68	991.947	1074.34	495.9735
load	N_1200130261	constant_power_B	2148.68	991.947	1074.34	495.9735
load	N_1200130261	constant_power_C	2148.68	991.947	1074.34	495.9735
load	N_1200130261	constant_power_A_real	2148.68	0.0	1074.34	0.0
load	N_1200130261	constant_power_B_real	2148.68	0.0	1074.34	0.0
load	N_1200130261	constant_power_C_real	2148.68	0.0	1074.34	0.0
load	N_1200130261	constant_power_A_reac	991.947	0.0	495.9735	0.0
load	N_1200130261	constant_power_B_reac	991.947	0.0	495.9735	0.0
load	N_1200130261	constant_power_C_reac	991.947	0.0	495.9735	0.0
load	N_1200130262	constant_power_A	1378.1	452.959	689.05	226.4795
load	N_1200130262	constant_power_B	1378.1	452.959	689.05	226.4795
load	N_1200130262	constant_power_C	1378.1	452.959	689.05	226.4795
load	N_1200130262	constant_power_A_real	1378.1	0.0	689.05	0.0
load	N_1200130262	constant_power_B_real	1378.1	0.0	689.05	0.0
load	N_1200130262	constant_power_C_real	1378.1	0.0	689.05	0.0
load	N_1200130262	constant_power_A_reac	452.959	0.0	226.4795	0.0
load	N_1200130262	constant_power_B_reac	452.959	0.0	226.4795	0.0
load	N_1200130262	constant_power_C_reac	452.959	0.0	226.4795	0.0
load	N_1200159437	constant_power_A	764.189	260.483	382.0945	130.2415
load	N_1200159437	constant_power_B	764.189	260.483	382.0945	130.2415
load	N_1200159437	constant_power_C	764.189	260.483	382.0945	130.2415
load	N_1200159437	constant_power_A_real	764.189	0.0	382.0945	0.0
load	N_1200159437	constant_power_B_real	764.189	0.0	382.0945	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159437	constant_power_C_real	764.189	0.0	382.0945	0.0
load	N_1200159437	constant_power_A_reac	260.483	0.0	130.2415	0.0
load	N_1200159437	constant_power_B_reac	260.483	0.0	130.2415	0.0
load	N_1200159437	constant_power_C_reac	260.483	0.0	130.2415	0.0
load	N_1200159438	constant_power_A	2030.38	1135.47	1015.19	567.735
load	N_1200159438	constant_power_B	2030.38	1135.47	1015.19	567.735
load	N_1200159438	constant_power_C	2030.38	1135.47	1015.19	567.735
load	N_1200159438	constant_power_A_real	2030.38	0.0	1015.19	0.0
load	N_1200159438	constant_power_B_real	2030.38	0.0	1015.19	0.0
load	N_1200159438	constant_power_C_real	2030.38	0.0	1015.19	0.0
load	N_1200159438	constant_power_A_reac	1135.47	0.0	567.735	0.0
load	N_1200159438	constant_power_B_reac	1135.47	0.0	567.735	0.0
load	N_1200159438	constant_power_C_reac	1135.47	0.0	567.735	0.0
load	N_1200159439	constant_power_A	1534.77	504.455	767.385	252.2275
load	N_1200159439	constant_power_B	1534.77	504.455	767.385	252.2275
load	N_1200159439	constant_power_C	1534.77	504.455	767.385	252.2275
load	N_1200159439	constant_power_A_real	1534.77	0.0	767.385	0.0
load	N_1200159439	constant_power_B_real	1534.77	0.0	767.385	0.0
load	N_1200159439	constant_power_C_real	1534.77	0.0	767.385	0.0
load	N_1200159439	constant_power_A_reac	504.455	0.0	252.2275	0.0
load	N_1200159439	constant_power_B_reac	504.455	0.0	252.2275	0.0
load	N_1200159439	constant_power_C_reac	504.455	0.0	252.2275	0.0
load	N_1200507874	constant_power_A	3213.43	1141.82	1606.715	570.91
load	N_1200507874	constant_power_B	3213.43	1141.82	1606.715	570.91
load	N_1200507874	constant_power_C	3213.43	1141.82	1606.715	570.91
load	N_1200507874	constant_power_A_real	3213.43	0.0	1606.715	0.0
load	N_1200507874	constant_power_B_real	3213.43	0.0	1606.715	0.0
load	N_1200507874	constant_power_C_real	3213.43	0.0	1606.715	0.0
load	N_1200507874	constant_power_A_reac	1141.82	0.0	570.91	0.0
load	N_1200507874	constant_power_B_reac	1141.82	0.0	570.91	0.0
load	N_1200507874	constant_power_C_reac	1141.82	0.0	570.91	0.0
load	N_1200160148	constant_power_A	175.859	57.8022	87.9295	28.9011
load	N_1200160148	constant_power_B	175.859	57.8022	87.9295	28.9011
load	N_1200160148	constant_power_C	175.859	57.8022	87.9295	28.9011
load	N_1200160148	constant_power_A_real	175.859	0.0	87.9295	0.0
load	N_1200160148	constant_power_B_real	175.859	0.0	87.9295	0.0
load	N_1200160148	constant_power_C_real	175.859	0.0	87.9295	0.0
load	N_1200160148	constant_power_A_reac	57.8022	0.0	28.9011	0.0
load	N_1200160148	constant_power_B_reac	57.8022	0.0	28.9011	0.0
load	N_1200160148	constant_power_C_reac	57.8022	0.0	28.9011	0.0
load	N_1200160149	constant_power_A	5828.94	2891.2	2914.47	1445.6
load	N_1200160149	constant_power_B	5828.94	2891.2	2914.47	1445.6
load	N_1200160149	constant_power_C	5828.94	2891.2	2914.47	1445.6
load	N_1200160149	constant_power_A_real	5828.94	0.0	2914.47	0.0
load	N_1200160149	constant_power_B_real	5828.94	0.0	2914.47	0.0
load	N_1200160149	constant_power_C_real	5828.94	0.0	2914.47	0.0
load	N_1200160149	constant_power_A_reac	2891.2	0.0	1445.6	0.0
load	N_1200160149	constant_power_B_reac	2891.2	0.0	1445.6	0.0
load	N_1200160149	constant_power_C_reac	2891.2	0.0	1445.6	0.0
load	N_1200018076	constant_power_A	18705.0	6148.05	9352.5	3074.025
load	N_1200018076	constant_power_C	18705.0	6148.05	9352.5	3074.025
load	N_1200018076	constant_power_A_real	18705.0	0.0	9352.5	0.0
load	N_1200018076	constant_power_C_real	18705.0	0.0	9352.5	0.0
load	N_1200018076	constant_power_A_reac	6148.05	0.0	3074.025	0.0
load	N_1200018076	constant_power_C_reac	6148.05	0.0	3074.025	0.0
load	N_1200054435	constant_power_A	73000.0	45241.3	36500.0	22620.65
load	N_1200054435	constant_power_B	73000.0	45241.3	36500.0	22620.65
load	N_1200054435	constant_power_C	73000.0	45241.3	36500.0	22620.65
load	N_1200054435	constant_power_A_real	73000.0	0.0	36500.0	0.0
load	N_1200054435	constant_power_B_real	73000.0	0.0	36500.0	0.0
load	N_1200054435	constant_power_C_real	73000.0	0.0	36500.0	0.0
load	N_1200054435	constant_power_A_reac	45241.3	0.0	22620.65	0.0
load	N_1200054435	constant_power_B_reac	45241.3	0.0	22620.65	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200054435	constant_power_C_reac	45241.3	0.0	22620.65	0.0
load	N_1200166255	constant_power_A	1298.16	426.685	649.08	213.3425
load	N_1200166255	constant_power_B	1298.16	426.685	649.08	213.3425
load	N_1200166255	constant_power_C	1298.16	426.685	649.08	213.3425
load	N_1200166255	constant_power_A_real	1298.16	0.0	649.08	0.0
load	N_1200166255	constant_power_B_real	1298.16	0.0	649.08	0.0
load	N_1200166255	constant_power_C_real	1298.16	0.0	649.08	0.0
load	N_1200166255	constant_power_A_reac	426.685	0.0	213.3425	0.0
load	N_1200166255	constant_power_B_reac	426.685	0.0	213.3425	0.0
load	N_1200166255	constant_power_C_reac	426.685	0.0	213.3425	0.0
load	N_1200130088	constant_power_A	2004.8	1242.46	1002.4	621.23
load	N_1200130088	constant_power_B	2004.8	1242.46	1002.4	621.23
load	N_1200130088	constant_power_C	2004.8	1242.46	1002.4	621.23
load	N_1200130088	constant_power_A_real	2004.8	0.0	1002.4	0.0
load	N_1200130088	constant_power_B_real	2004.8	0.0	1002.4	0.0
load	N_1200130088	constant_power_C_real	2004.8	0.0	1002.4	0.0
load	N_1200130088	constant_power_A_reac	1242.46	0.0	621.23	0.0
load	N_1200130088	constant_power_B_reac	1242.46	0.0	621.23	0.0
load	N_1200130088	constant_power_C_reac	1242.46	0.0	621.23	0.0
load	N_1200096648	constant_power_A	2506.8	1553.57	1253.4	776.785
load	N_1200096648	constant_power_B	2506.8	1553.57	1253.4	776.785
load	N_1200096648	constant_power_C	2506.8	1553.57	1253.4	776.785
load	N_1200096648	constant_power_A_real	2506.8	0.0	1253.4	0.0
load	N_1200096648	constant_power_B_real	2506.8	0.0	1253.4	0.0
load	N_1200096648	constant_power_C_real	2506.8	0.0	1253.4	0.0
load	N_1200096648	constant_power_A_reac	1553.57	0.0	776.785	0.0
load	N_1200096648	constant_power_B_reac	1553.57	0.0	776.785	0.0
load	N_1200096648	constant_power_C_reac	1553.57	0.0	776.785	0.0
load	N_1200160146	constant_power_A	613.909	254.829	306.9545	127.4145
load	N_1200160146	constant_power_B	613.909	254.829	306.9545	127.4145
load	N_1200160146	constant_power_C	613.909	254.829	306.9545	127.4145
load	N_1200160146	constant_power_A_real	613.909	0.0	306.9545	0.0
load	N_1200160146	constant_power_B_real	613.909	0.0	306.9545	0.0
load	N_1200160146	constant_power_C_real	613.909	0.0	306.9545	0.0
load	N_1200160146	constant_power_A_reac	254.829	0.0	127.4145	0.0
load	N_1200160146	constant_power_B_reac	254.829	0.0	127.4145	0.0
load	N_1200160146	constant_power_C_reac	254.829	0.0	127.4145	0.0
load	N_1200130080	constant_power_A	4223.82	1720.55	2111.91	860.275
load	N_1200130080	constant_power_B	4223.82	1720.55	2111.91	860.275
load	N_1200130080	constant_power_C	4223.82	1720.55	2111.91	860.275
load	N_1200130080	constant_power_A_real	4223.82	0.0	2111.91	0.0
load	N_1200130080	constant_power_B_real	4223.82	0.0	2111.91	0.0
load	N_1200130080	constant_power_C_real	4223.82	0.0	2111.91	0.0
load	N_1200130080	constant_power_A_reac	1720.55	0.0	860.275	0.0
load	N_1200130080	constant_power_B_reac	1720.55	0.0	860.275	0.0
load	N_1200130080	constant_power_C_reac	1720.55	0.0	860.275	0.0
load	N_1200130082	constant_power_A	1119.11	559.546	559.555	279.773
load	N_1200130082	constant_power_B	1119.11	559.546	559.555	279.773
load	N_1200130082	constant_power_C	1119.11	559.546	559.555	279.773
load	N_1200130082	constant_power_A_real	1119.11	0.0	559.555	0.0
load	N_1200130082	constant_power_B_real	1119.11	0.0	559.555	0.0
load	N_1200130082	constant_power_C_real	1119.11	0.0	559.555	0.0
load	N_1200130082	constant_power_A_reac	559.546	0.0	279.773	0.0
load	N_1200130082	constant_power_B_reac	559.546	0.0	279.773	0.0
load	N_1200130082	constant_power_C_reac	559.546	0.0	279.773	0.0
load	N_1200130083	constant_power_A	527.578	173.407	263.789	86.7035
load	N_1200130083	constant_power_B	527.578	173.407	263.789	86.7035
load	N_1200130083	constant_power_C	527.578	173.407	263.789	86.7035
load	N_1200130083	constant_power_A_real	527.578	0.0	263.789	0.0
load	N_1200130083	constant_power_B_real	527.578	0.0	263.789	0.0
load	N_1200130083	constant_power_C_real	527.578	0.0	263.789	0.0
load	N_1200130083	constant_power_A_reac	173.407	0.0	86.7035	0.0
load	N_1200130083	constant_power_B_reac	173.407	0.0	86.7035	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130083	constant_power_C_reac	173.407	0.0	86.7035	0.0
load	N_1200109740	constant_power_A	588.33	364.614	294.165	182.307
load	N_1200109740	constant_power_B	588.33	364.614	294.165	182.307
load	N_1200109740	constant_power_C	588.33	364.614	294.165	182.307
load	N_1200109740	constant_power_A_real	588.33	0.0	294.165	0.0
load	N_1200109740	constant_power_B_real	588.33	0.0	294.165	0.0
load	N_1200109740	constant_power_C_real	588.33	0.0	294.165	0.0
load	N_1200109740	constant_power_A_reac	364.614	0.0	182.307	0.0
load	N_1200109740	constant_power_B_reac	364.614	0.0	182.307	0.0
load	N_1200109740	constant_power_C_reac	364.614	0.0	182.307	0.0
load	N_1200159343	constant_power_A	1493.21	925.406	746.605	462.703
load	N_1200159343	constant_power_B	1493.21	925.406	746.605	462.703
load	N_1200159343	constant_power_C	1493.21	925.406	746.605	462.703
load	N_1200159343	constant_power_A_real	1493.21	0.0	746.605	0.0
load	N_1200159343	constant_power_B_real	1493.21	0.0	746.605	0.0
load	N_1200159343	constant_power_C_real	1493.21	0.0	746.605	0.0
load	N_1200159343	constant_power_A_reac	925.406	0.0	462.703	0.0
load	N_1200159343	constant_power_B_reac	925.406	0.0	462.703	0.0
load	N_1200159343	constant_power_C_reac	925.406	0.0	462.703	0.0
load	N_1200159242	constant_power_A	1576.34	976.928	788.17	488.464
load	N_1200159242	constant_power_B	1576.34	976.928	788.17	488.464
load	N_1200159242	constant_power_C	1576.34	976.928	788.17	488.464
load	N_1200159242	constant_power_A_real	1576.34	0.0	788.17	0.0
load	N_1200159242	constant_power_B_real	1576.34	0.0	788.17	0.0
load	N_1200159242	constant_power_C_real	1576.34	0.0	788.17	0.0
load	N_1200159242	constant_power_A_reac	976.928	0.0	488.464	0.0
load	N_1200159242	constant_power_B_reac	976.928	0.0	488.464	0.0
load	N_1200159242	constant_power_C_reac	976.928	0.0	488.464	0.0
load	N_1200129830	constant_power_A	9221.43	5714.93	4610.715	2857.465
load	N_1200129830	constant_power_B	9221.43	5714.93	4610.715	2857.465
load	N_1200129830	constant_power_C	9221.43	5714.93	4610.715	2857.465
load	N_1200129830	constant_power_A_real	9221.43	0.0	4610.715	0.0
load	N_1200129830	constant_power_B_real	9221.43	0.0	4610.715	0.0
load	N_1200129830	constant_power_C_real	9221.43	0.0	4610.715	0.0
load	N_1200129830	constant_power_A_reac	5714.93	0.0	2857.465	0.0
load	N_1200129830	constant_power_B_reac	5714.93	0.0	2857.465	0.0
load	N_1200129830	constant_power_C_reac	5714.93	0.0	2857.465	0.0
load	N_1200098690	constant_power_A	1595.52	524.424	797.76	262.212
load	N_1200098690	constant_power_B	1595.52	524.424	797.76	262.212
load	N_1200098690	constant_power_C	1595.52	524.424	797.76	262.212
load	N_1200098690	constant_power_A_real	1595.52	0.0	797.76	0.0
load	N_1200098690	constant_power_B_real	1595.52	0.0	797.76	0.0
load	N_1200098690	constant_power_C_real	1595.52	0.0	797.76	0.0
load	N_1200098690	constant_power_A_reac	524.424	0.0	262.212	0.0
load	N_1200098690	constant_power_B_reac	524.424	0.0	262.212	0.0
load	N_1200098690	constant_power_C_reac	524.424	0.0	262.212	0.0
load	N_1200130400	constant_power_A	2589.93	1206.78	1294.965	603.39
load	N_1200130400	constant_power_B	2589.93	1206.78	1294.965	603.39
load	N_1200130400	constant_power_C	2589.93	1206.78	1294.965	603.39
load	N_1200130400	constant_power_A_real	2589.93	0.0	1294.965	0.0
load	N_1200130400	constant_power_B_real	2589.93	0.0	1294.965	0.0
load	N_1200130400	constant_power_C_real	2589.93	0.0	1294.965	0.0
load	N_1200130400	constant_power_A_reac	1206.78	0.0	603.39	0.0
load	N_1200130400	constant_power_B_reac	1206.78	0.0	603.39	0.0
load	N_1200130400	constant_power_C_reac	1206.78	0.0	603.39	0.0
load	N_1200105122	constant_power_A	1195.84	741.118	597.92	370.559
load	N_1200105122	constant_power_B	1195.84	741.118	597.92	370.559
load	N_1200105122	constant_power_C	1195.84	741.118	597.92	370.559
load	N_1200105122	constant_power_A_real	1195.84	0.0	597.92	0.0
load	N_1200105122	constant_power_B_real	1195.84	0.0	597.92	0.0
load	N_1200105122	constant_power_C_real	1195.84	0.0	597.92	0.0
load	N_1200105122	constant_power_A_reac	741.118	0.0	370.559	0.0
load	N_1200105122	constant_power_B_reac	741.118	0.0	370.559	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200105122	constant_power_C_reac	741.118	0.0	370.559	0.0
load	N_1200130402	constant_power_A	86.331	53.5031	43.1655	26.75155
load	N_1200130402	constant_power_B	86.331	53.5031	43.1655	26.75155
load	N_1200130402	constant_power_C	86.331	53.5031	43.1655	26.75155
load	N_1200130402	constant_power_A_real	86.331	0.0	43.1655	0.0
load	N_1200130402	constant_power_B_real	86.331	0.0	43.1655	0.0
load	N_1200130402	constant_power_C_real	86.331	0.0	43.1655	0.0
load	N_1200130402	constant_power_A_reac	53.5031	0.0	26.75155	0.0
load	N_1200130402	constant_power_B_reac	53.5031	0.0	26.75155	0.0
load	N_1200130402	constant_power_C_reac	53.5031	0.0	26.75155	0.0
load	N_1200159495	constant_power_A	821.743	270.094	410.8715	135.047
load	N_1200159495	constant_power_B	821.743	270.094	410.8715	135.047
load	N_1200159495	constant_power_C	821.743	270.094	410.8715	135.047
load	N_1200159495	constant_power_A_real	821.743	0.0	410.8715	0.0
load	N_1200159495	constant_power_B_real	821.743	0.0	410.8715	0.0
load	N_1200159495	constant_power_C_real	821.743	0.0	410.8715	0.0
load	N_1200159495	constant_power_A_reac	270.094	0.0	135.047	0.0
load	N_1200159495	constant_power_B_reac	270.094	0.0	135.047	0.0
load	N_1200159495	constant_power_C_reac	270.094	0.0	135.047	0.0
load	N_1200130404	constant_power_A	169.465	55.7003	84.7325	27.85015
load	N_1200130404	constant_power_B	169.465	55.7003	84.7325	27.85015
load	N_1200130404	constant_power_C	169.465	55.7003	84.7325	27.85015
load	N_1200130404	constant_power_A_real	169.465	0.0	84.7325	0.0
load	N_1200130404	constant_power_B_real	169.465	0.0	84.7325	0.0
load	N_1200130404	constant_power_C_real	169.465	0.0	84.7325	0.0
load	N_1200130404	constant_power_A_reac	55.7003	0.0	27.85015	0.0
load	N_1200130404	constant_power_B_reac	55.7003	0.0	27.85015	0.0
load	N_1200130404	constant_power_C_reac	55.7003	0.0	27.85015	0.0
load	N_1200159549	constant_power_A	1119.11	367.832	559.555	183.916
load	N_1200159549	constant_power_B	1119.11	367.832	559.555	183.916
load	N_1200159549	constant_power_C	1119.11	367.832	559.555	183.916
load	N_1200159549	constant_power_A_real	1119.11	0.0	559.555	0.0
load	N_1200159549	constant_power_B_real	1119.11	0.0	559.555	0.0
load	N_1200159549	constant_power_C_real	1119.11	0.0	559.555	0.0
load	N_1200159549	constant_power_A_reac	367.832	0.0	183.916	0.0
load	N_1200159549	constant_power_B_reac	367.832	0.0	183.916	0.0
load	N_1200159549	constant_power_C_reac	367.832	0.0	183.916	0.0
load	N_1200159544	constant_power_A	1432.45	470.825	716.225	235.4125
load	N_1200159544	constant_power_B	1432.45	470.825	716.225	235.4125
load	N_1200159544	constant_power_C	1432.45	470.825	716.225	235.4125
load	N_1200159544	constant_power_A_real	1432.45	0.0	716.225	0.0
load	N_1200159544	constant_power_B_real	1432.45	0.0	716.225	0.0
load	N_1200159544	constant_power_C_real	1432.45	0.0	716.225	0.0
load	N_1200159544	constant_power_A_reac	470.825	0.0	235.4125	0.0
load	N_1200159544	constant_power_B_reac	470.825	0.0	235.4125	0.0
load	N_1200159544	constant_power_C_reac	470.825	0.0	235.4125	0.0
load	N_1200130409	constant_power_A	14906.5	9238.21	7453.25	4619.105
load	N_1200130409	constant_power_B	14906.5	9238.21	7453.25	4619.105
load	N_1200130409	constant_power_C	14906.5	9238.21	7453.25	4619.105
load	N_1200130409	constant_power_A_real	14906.5	0.0	7453.25	0.0
load	N_1200130409	constant_power_B_real	14906.5	0.0	7453.25	0.0
load	N_1200130409	constant_power_C_real	14906.5	0.0	7453.25	0.0
load	N_1200130409	constant_power_A_reac	9238.21	0.0	4619.105	0.0
load	N_1200130409	constant_power_B_reac	9238.21	0.0	4619.105	0.0
load	N_1200130409	constant_power_C_reac	9238.21	0.0	4619.105	0.0
load	N_1200159547	constant_power_A	236.611	146.638	118.3055	73.319
load	N_1200159547	constant_power_B	236.611	146.638	118.3055	73.319
load	N_1200159547	constant_power_C	236.611	146.638	118.3055	73.319
load	N_1200159547	constant_power_A_real	236.611	0.0	118.3055	0.0
load	N_1200159547	constant_power_B_real	236.611	0.0	118.3055	0.0
load	N_1200159547	constant_power_C_real	236.611	0.0	118.3055	0.0
load	N_1200159547	constant_power_A_reac	146.638	0.0	73.319	0.0
load	N_1200159547	constant_power_B_reac	146.638	0.0	73.319	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159547	constant_power_C_reac	146.638	0.0	73.319	0.0
load	N_1200159541	constant_power_A	1822.54	599.041	911.27	299.5205
load	N_1200159541	constant_power_B	1822.54	599.041	911.27	299.5205
load	N_1200159541	constant_power_A_real	1822.54	0.0	911.27	0.0
load	N_1200159541	constant_power_B_real	1822.54	0.0	911.27	0.0
load	N_1200159541	constant_power_A_reac	599.041	0.0	299.5205	0.0
load	N_1200159541	constant_power_B_reac	599.041	0.0	299.5205	0.0
load	N_1200159542	constant_power_A	1058.35	655.909	529.175	327.9545
load	N_1200159542	constant_power_B	1058.35	655.909	529.175	327.9545
load	N_1200159542	constant_power_C	1058.35	655.909	529.175	327.9545
load	N_1200159542	constant_power_A_real	1058.35	0.0	529.175	0.0
load	N_1200159542	constant_power_B_real	1058.35	0.0	529.175	0.0
load	N_1200159542	constant_power_C_real	1058.35	0.0	529.175	0.0
load	N_1200159542	constant_power_A_reac	655.909	0.0	327.9545	0.0
load	N_1200159542	constant_power_B_reac	655.909	0.0	327.9545	0.0
load	N_1200159542	constant_power_C_reac	655.909	0.0	327.9545	0.0
load	N_1200159543	constant_power_A	1560.35	578.009	780.175	289.0045
load	N_1200159543	constant_power_B	1560.35	578.009	780.175	289.0045
load	N_1200159543	constant_power_C	1560.35	578.009	780.175	289.0045
load	N_1200159543	constant_power_A_real	1560.35	0.0	780.175	0.0
load	N_1200159543	constant_power_B_real	1560.35	0.0	780.175	0.0
load	N_1200159543	constant_power_C_real	1560.35	0.0	780.175	0.0
load	N_1200159543	constant_power_A_reac	578.009	0.0	289.0045	0.0
load	N_1200159543	constant_power_B_reac	578.009	0.0	289.0045	0.0
load	N_1200159543	constant_power_C_reac	578.009	0.0	289.0045	0.0
load	N_1200166402	constant_power_A	1493.21	543.84	746.605	271.92
load	N_1200166402	constant_power_B	1493.21	543.84	746.605	271.92
load	N_1200166402	constant_power_C	1493.21	543.84	746.605	271.92
load	N_1200166402	constant_power_A_real	1493.21	0.0	746.605	0.0
load	N_1200166402	constant_power_B_real	1493.21	0.0	746.605	0.0
load	N_1200166402	constant_power_C_real	1493.21	0.0	746.605	0.0
load	N_1200166402	constant_power_A_reac	543.84	0.0	271.92	0.0
load	N_1200166402	constant_power_B_reac	543.84	0.0	271.92	0.0
load	N_1200166402	constant_power_C_reac	543.84	0.0	271.92	0.0
load	N_1200160277	constant_power_A	412.47	135.572	206.235	67.786
load	N_1200160277	constant_power_B	412.47	135.572	206.235	67.786
load	N_1200160277	constant_power_C	412.47	135.572	206.235	67.786
load	N_1200160277	constant_power_A_real	412.47	0.0	206.235	0.0
load	N_1200160277	constant_power_B_real	412.47	0.0	206.235	0.0
load	N_1200160277	constant_power_C_real	412.47	0.0	206.235	0.0
load	N_1200160277	constant_power_A_reac	135.572	0.0	67.786	0.0
load	N_1200160277	constant_power_B_reac	135.572	0.0	67.786	0.0
load	N_1200160277	constant_power_C_reac	135.572	0.0	67.786	0.0
load	N_1200166407	constant_power_A	869.705	285.858	434.8525	142.929
load	N_1200166407	constant_power_B	869.705	285.858	434.8525	142.929
load	N_1200166407	constant_power_C	869.705	285.858	434.8525	142.929
load	N_1200166407	constant_power_A_real	869.705	0.0	434.8525	0.0
load	N_1200166407	constant_power_B_real	869.705	0.0	434.8525	0.0
load	N_1200166407	constant_power_C_real	869.705	0.0	434.8525	0.0
load	N_1200166407	constant_power_A_reac	285.858	0.0	142.929	0.0
load	N_1200166407	constant_power_B_reac	285.858	0.0	142.929	0.0
load	N_1200166407	constant_power_C_reac	285.858	0.0	142.929	0.0
load	N_1200166406	constant_power_A	255.796	158.528	127.898	79.264
load	N_1200166406	constant_power_B	255.796	158.528	127.898	79.264
load	N_1200166406	constant_power_C	255.796	158.528	127.898	79.264
load	N_1200166406	constant_power_A_real	255.796	0.0	127.898	0.0
load	N_1200166406	constant_power_B_real	255.796	0.0	127.898	0.0
load	N_1200166406	constant_power_C_real	255.796	0.0	127.898	0.0
load	N_1200166406	constant_power_A_reac	158.528	0.0	79.264	0.0
load	N_1200166406	constant_power_B_reac	158.528	0.0	79.264	0.0
load	N_1200166406	constant_power_C_reac	158.528	0.0	79.264	0.0
load	N_1200166405	constant_power_A	9109.52	5645.57	4554.76	2822.785
load	N_1200166405	constant_power_B	9109.52	5645.57	4554.76	2822.785

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166405	constant_power_C	9109.52	5645.57	4554.76	2822.785
load	N_1200166405	constant_power_A_real	9109.52	0.0	4554.76	0.0
load	N_1200166405	constant_power_B_real	9109.52	0.0	4554.76	0.0
load	N_1200166405	constant_power_C_real	9109.52	0.0	4554.76	0.0
load	N_1200166405	constant_power_A_reac	5645.57	0.0	2822.785	0.0
load	N_1200166405	constant_power_B_reac	5645.57	0.0	2822.785	0.0
load	N_1200166405	constant_power_C_reac	5645.57	0.0	2822.785	0.0
load	N_1200166408	constant_power_A	140.688	87.1904	70.344	43.5952
load	N_1200166408	constant_power_B	140.688	87.1904	70.344	43.5952
load	N_1200166408	constant_power_C	140.688	87.1904	70.344	43.5952
load	N_1200166408	constant_power_A_real	140.688	0.0	70.344	0.0
load	N_1200166408	constant_power_B_real	140.688	0.0	70.344	0.0
load	N_1200166408	constant_power_C_real	140.688	0.0	70.344	0.0
load	N_1200166408	constant_power_A_reac	87.1904	0.0	43.5952	0.0
load	N_1200166408	constant_power_B_reac	87.1904	0.0	43.5952	0.0
load	N_1200166408	constant_power_C_reac	87.1904	0.0	43.5952	0.0
load	N_1200166095	constant_power_A	3501.2	1163.82	1750.6	581.91
load	N_1200166095	constant_power_B	3501.2	1163.82	1750.6	581.91
load	N_1200166095	constant_power_C	3501.2	1163.82	1750.6	581.91
load	N_1200166095	constant_power_A_real	3501.2	0.0	1750.6	0.0
load	N_1200166095	constant_power_B_real	3501.2	0.0	1750.6	0.0
load	N_1200166095	constant_power_C_real	3501.2	0.0	1750.6	0.0
load	N_1200166095	constant_power_A_reac	1163.82	0.0	581.91	0.0
load	N_1200166095	constant_power_B_reac	1163.82	0.0	581.91	0.0
load	N_1200166095	constant_power_C_reac	1163.82	0.0	581.91	0.0
load	N_1200500929	constant_power_A	150.28	93.1352	75.14	46.5676
load	N_1200500929	constant_power_B	150.28	93.1352	75.14	46.5676
load	N_1200500929	constant_power_C	150.28	93.1352	75.14	46.5676
load	N_1200500929	constant_power_A_real	150.28	0.0	75.14	0.0
load	N_1200500929	constant_power_B_real	150.28	0.0	75.14	0.0
load	N_1200500929	constant_power_C_real	150.28	0.0	75.14	0.0
load	N_1200500929	constant_power_A_reac	93.1352	0.0	46.5676	0.0
load	N_1200500929	constant_power_B_reac	93.1352	0.0	46.5676	0.0
load	N_1200500929	constant_power_C_reac	93.1352	0.0	46.5676	0.0
load	N_1200166090	constant_power_A	2084.73	1050.03	1042.365	525.015
load	N_1200166090	constant_power_B	2084.73	1050.03	1042.365	525.015
load	N_1200166090	constant_power_C	2084.73	1050.03	1042.365	525.015
load	N_1200166090	constant_power_A_real	2084.73	0.0	1042.365	0.0
load	N_1200166090	constant_power_B_real	2084.73	0.0	1042.365	0.0
load	N_1200166090	constant_power_C_real	2084.73	0.0	1042.365	0.0
load	N_1200166090	constant_power_A_reac	1050.03	0.0	525.015	0.0
load	N_1200166090	constant_power_B_reac	1050.03	0.0	525.015	0.0
load	N_1200166090	constant_power_C_reac	1050.03	0.0	525.015	0.0
load	N_1200111858	constant_power_A	26378.9	8670.33	13189.45	4335.165
load	N_1200111858	constant_power_B	26378.9	8670.33	13189.45	4335.165
load	N_1200111858	constant_power_A_real	26378.9	0.0	13189.45	0.0
load	N_1200111858	constant_power_B_real	26378.9	0.0	13189.45	0.0
load	N_1200111858	constant_power_A_reac	8670.33	0.0	4335.165	0.0
load	N_1200111858	constant_power_B_reac	8670.33	0.0	4335.165	0.0
load	N_1200160308	constant_power_A	2775.38	912.224	1387.69	456.112
load	N_1200160308	constant_power_B	2775.38	912.224	1387.69	456.112
load	N_1200160308	constant_power_C	2775.38	912.224	1387.69	456.112
load	N_1200160308	constant_power_A_real	2775.38	0.0	1387.69	0.0
load	N_1200160308	constant_power_B_real	2775.38	0.0	1387.69	0.0
load	N_1200160308	constant_power_C_real	2775.38	0.0	1387.69	0.0
load	N_1200160308	constant_power_A_reac	912.224	0.0	456.112	0.0
load	N_1200160308	constant_power_B_reac	912.224	0.0	456.112	0.0
load	N_1200160308	constant_power_C_reac	912.224	0.0	456.112	0.0
load	N_1200166613	constant_power_A	1713.83	825.752	856.915	412.876
load	N_1200166613	constant_power_B	1713.83	825.752	856.915	412.876
load	N_1200166613	constant_power_C	1713.83	825.752	856.915	412.876
load	N_1200166613	constant_power_A_real	1713.83	0.0	856.915	0.0
load	N_1200166613	constant_power_B_real	1713.83	0.0	856.915	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166613	constant_power_C_real	1713.83	0.0	856.915	0.0
load	N_1200166613	constant_power_A_reac	825.752	0.0	412.876	0.0
load	N_1200166613	constant_power_B_reac	825.752	0.0	412.876	0.0
load	N_1200166613	constant_power_C_reac	825.752	0.0	412.876	0.0
load	N_1200166061	constant_power_A	3737.81	2316.49	1868.905	1158.245
load	N_1200166061	constant_power_B	3737.81	2316.49	1868.905	1158.245
load	N_1200166061	constant_power_C	3737.81	2316.49	1868.905	1158.245
load	N_1200166061	constant_power_A_real	3737.81	0.0	1868.905	0.0
load	N_1200166061	constant_power_B_real	3737.81	0.0	1868.905	0.0
load	N_1200166061	constant_power_C_real	3737.81	0.0	1868.905	0.0
load	N_1200166061	constant_power_A_reac	2316.49	0.0	1158.245	0.0
load	N_1200166061	constant_power_B_reac	2316.49	0.0	1158.245	0.0
load	N_1200166061	constant_power_C_reac	2316.49	0.0	1158.245	0.0
load	N_1200166060	constant_power_A	99.1207	61.4295	49.56035	30.71475
load	N_1200166060	constant_power_B	99.1207	61.4295	49.56035	30.71475
load	N_1200166060	constant_power_C	99.1207	61.4295	49.56035	30.71475
load	N_1200166060	constant_power_A_real	99.1207	0.0	49.56035	0.0
load	N_1200166060	constant_power_B_real	99.1207	0.0	49.56035	0.0
load	N_1200166060	constant_power_C_real	99.1207	0.0	49.56035	0.0
load	N_1200166060	constant_power_A_reac	61.4295	0.0	30.71475	0.0
load	N_1200166060	constant_power_B_reac	61.4295	0.0	30.71475	0.0
load	N_1200166060	constant_power_C_reac	61.4295	0.0	30.71475	0.0
load	N_1200166063	constant_power_A	879.297	544.939	439.6485	272.4695
load	N_1200166063	constant_power_B	879.297	544.939	439.6485	272.4695
load	N_1200166063	constant_power_C	879.297	544.939	439.6485	272.4695
load	N_1200166063	constant_power_A_real	879.297	0.0	439.6485	0.0
load	N_1200166063	constant_power_B_real	879.297	0.0	439.6485	0.0
load	N_1200166063	constant_power_C_real	879.297	0.0	439.6485	0.0
load	N_1200166063	constant_power_A_reac	544.939	0.0	272.4695	0.0
load	N_1200166063	constant_power_B_reac	544.939	0.0	272.4695	0.0
load	N_1200166063	constant_power_C_reac	544.939	0.0	272.4695	0.0
load	N_1200166062	constant_power_A	2855.32	1549.0	1427.66	774.5
load	N_1200166062	constant_power_B	2855.32	1549.0	1427.66	774.5
load	N_1200166062	constant_power_C	2855.32	1549.0	1427.66	774.5
load	N_1200166062	constant_power_A_real	2855.32	0.0	1427.66	0.0
load	N_1200166062	constant_power_B_real	2855.32	0.0	1427.66	0.0
load	N_1200166062	constant_power_C_real	2855.32	0.0	1427.66	0.0
load	N_1200166062	constant_power_A_reac	1549.0	0.0	774.5	0.0
load	N_1200166062	constant_power_B_reac	1549.0	0.0	774.5	0.0
load	N_1200166062	constant_power_C_reac	1549.0	0.0	774.5	0.0
load	N_1200130318	constant_power_A	3928.06	1291.09	1964.03	645.545
load	N_1200130318	constant_power_B	3928.06	1291.09	1964.03	645.545
load	N_1200130318	constant_power_A_real	3928.06	0.0	1964.03	0.0
load	N_1200130318	constant_power_B_real	3928.06	0.0	1964.03	0.0
load	N_1200130318	constant_power_A_reac	1291.09	0.0	645.545	0.0
load	N_1200130318	constant_power_B_reac	1291.09	0.0	645.545	0.0
load	N_1200166092	constant_power_A	86.331	53.5031	43.1655	26.75155
load	N_1200166092	constant_power_B	86.331	53.5031	43.1655	26.75155
load	N_1200166092	constant_power_C	86.331	53.5031	43.1655	26.75155
load	N_1200166092	constant_power_A_real	86.331	0.0	43.1655	0.0
load	N_1200166092	constant_power_B_real	86.331	0.0	43.1655	0.0
load	N_1200166092	constant_power_C_real	86.331	0.0	43.1655	0.0
load	N_1200166092	constant_power_A_reac	53.5031	0.0	26.75155	0.0
load	N_1200166092	constant_power_B_reac	53.5031	0.0	26.75155	0.0
load	N_1200166092	constant_power_C_reac	53.5031	0.0	26.75155	0.0
load	N_1200130314	constant_power_A	1643.49	540.188	821.745	270.094
load	N_1200130314	constant_power_B	1643.49	540.188	821.745	270.094
load	N_1200130314	constant_power_C	1643.49	540.188	821.745	270.094
load	N_1200130314	constant_power_A_real	1643.49	0.0	821.745	0.0
load	N_1200130314	constant_power_B_real	1643.49	0.0	821.745	0.0
load	N_1200130314	constant_power_C_real	1643.49	0.0	821.745	0.0
load	N_1200130314	constant_power_A_reac	540.188	0.0	270.094	0.0
load	N_1200130314	constant_power_B_reac	540.188	0.0	270.094	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130314	constant_power_C_reac	540.188	0.0	270.094	0.0
load	N_1200166612	constant_power_A	5176.66	1869.0	2588.33	934.5
load	N_1200166612	constant_power_B	5176.66	1869.0	2588.33	934.5
load	N_1200166612	constant_power_C	5176.66	1869.0	2588.33	934.5
load	N_1200166612	constant_power_A_real	5176.66	0.0	2588.33	0.0
load	N_1200166612	constant_power_B_real	5176.66	0.0	2588.33	0.0
load	N_1200166612	constant_power_C_real	5176.66	0.0	2588.33	0.0
load	N_1200166612	constant_power_A_reac	1869.0	0.0	934.5	0.0
load	N_1200166612	constant_power_B_reac	1869.0	0.0	934.5	0.0
load	N_1200166612	constant_power_C_reac	1869.0	0.0	934.5	0.0
load	N_1200130316	constant_power_A	4578.74	2483.07	2289.37	1241.535
load	N_1200130316	constant_power_B	4578.74	2483.07	2289.37	1241.535
load	N_1200130316	constant_power_C	4578.74	2483.07	2289.37	1241.535
load	N_1200130316	constant_power_A_real	4578.74	0.0	2289.37	0.0
load	N_1200130316	constant_power_B_real	4578.74	0.0	2289.37	0.0
load	N_1200130316	constant_power_C_real	4578.74	0.0	2289.37	0.0
load	N_1200130316	constant_power_A_reac	2483.07	0.0	1241.535	0.0
load	N_1200130316	constant_power_B_reac	2483.07	0.0	1241.535	0.0
load	N_1200130316	constant_power_C_reac	2483.07	0.0	1241.535	0.0
load	N_1200130310	constant_power_A	1963.23	645.283	981.615	322.6415
load	N_1200130310	constant_power_B	1963.23	645.283	981.615	322.6415
load	N_1200130310	constant_power_C	1963.23	645.283	981.615	322.6415
load	N_1200130310	constant_power_A_real	1963.23	0.0	981.615	0.0
load	N_1200130310	constant_power_B_real	1963.23	0.0	981.615	0.0
load	N_1200130310	constant_power_C_real	1963.23	0.0	981.615	0.0
load	N_1200130310	constant_power_A_reac	645.283	0.0	322.6415	0.0
load	N_1200130310	constant_power_B_reac	645.283	0.0	322.6415	0.0
load	N_1200130310	constant_power_C_reac	645.283	0.0	322.6415	0.0
load	N_1200130311	constant_power_A	2458.83	808.18	1229.415	404.09
load	N_1200130311	constant_power_B	2458.83	808.18	1229.415	404.09
load	N_1200130311	constant_power_C	2458.83	808.18	1229.415	404.09
load	N_1200130311	constant_power_A_real	2458.83	0.0	1229.415	0.0
load	N_1200130311	constant_power_B_real	2458.83	0.0	1229.415	0.0
load	N_1200130311	constant_power_C_real	2458.83	0.0	1229.415	0.0
load	N_1200130311	constant_power_A_reac	808.18	0.0	404.09	0.0
load	N_1200130311	constant_power_B_reac	808.18	0.0	404.09	0.0
load	N_1200130311	constant_power_C_reac	808.18	0.0	404.09	0.0
load	N_1200130313	constant_power_A	2030.38	684.104	1015.19	342.052
load	N_1200130313	constant_power_B	2030.38	684.104	1015.19	342.052
load	N_1200130313	constant_power_C	2030.38	684.104	1015.19	342.052
load	N_1200130313	constant_power_A_real	2030.38	0.0	1015.19	0.0
load	N_1200130313	constant_power_B_real	2030.38	0.0	1015.19	0.0
load	N_1200130313	constant_power_C_real	2030.38	0.0	1015.19	0.0
load	N_1200130313	constant_power_A_reac	684.104	0.0	342.052	0.0
load	N_1200130313	constant_power_B_reac	684.104	0.0	342.052	0.0
load	N_1200130313	constant_power_C_reac	684.104	0.0	342.052	0.0
load	N_1200109853	constant_power_A	6257.4	3524.34	3128.7	1762.17
load	N_1200109853	constant_power_B	6257.4	3524.34	3128.7	1762.17
load	N_1200109853	constant_power_C	6257.4	3524.34	3128.7	1762.17
load	N_1200109853	constant_power_A_real	6257.4	0.0	3128.7	0.0
load	N_1200109853	constant_power_B_real	6257.4	0.0	3128.7	0.0
load	N_1200109853	constant_power_C_real	6257.4	0.0	3128.7	0.0
load	N_1200109853	constant_power_A_reac	3524.34	0.0	1762.17	0.0
load	N_1200109853	constant_power_B_reac	3524.34	0.0	1762.17	0.0
load	N_1200109853	constant_power_C_reac	3524.34	0.0	1762.17	0.0
load	N_1200166248	constant_power_A	3114.31	1023.62	1557.155	511.81
load	N_1200166248	constant_power_B	3114.31	1023.62	1557.155	511.81
load	N_1200166248	constant_power_C	3114.31	1023.62	1557.155	511.81
load	N_1200166248	constant_power_A_real	3114.31	0.0	1557.155	0.0
load	N_1200166248	constant_power_B_real	3114.31	0.0	1557.155	0.0
load	N_1200166248	constant_power_C_real	3114.31	0.0	1557.155	0.0
load	N_1200166248	constant_power_A_reac	1023.62	0.0	511.81	0.0
load	N_1200166248	constant_power_B_reac	1023.62	0.0	511.81	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166248	constant_power_C_reac	1023.62	0.0	511.81	0.0
load	N_1200109700	constant_power_A	5010.39	3105.16	2505.195	1552.58
load	N_1200109700	constant_power_B	5010.39	3105.16	2505.195	1552.58
load	N_1200109700	constant_power_C	5010.39	3105.16	2505.195	1552.58
load	N_1200109700	constant_power_A_real	5010.39	0.0	2505.195	0.0
load	N_1200109700	constant_power_B_real	5010.39	0.0	2505.195	0.0
load	N_1200109700	constant_power_C_real	5010.39	0.0	2505.195	0.0
load	N_1200109700	constant_power_A_reac	3105.16	0.0	1552.58	0.0
load	N_1200109700	constant_power_B_reac	3105.16	0.0	1552.58	0.0
load	N_1200109700	constant_power_C_reac	3105.16	0.0	1552.58	0.0
load	N_1200109856	constant_power_A	447.642	147.133	223.821	73.5665
load	N_1200109856	constant_power_B	447.642	147.133	223.821	73.5665
load	N_1200109856	constant_power_C	447.642	147.133	223.821	73.5665
load	N_1200109856	constant_power_A_real	447.642	0.0	223.821	0.0
load	N_1200109856	constant_power_B_real	447.642	0.0	223.821	0.0
load	N_1200109856	constant_power_C_real	447.642	0.0	223.821	0.0
load	N_1200109856	constant_power_A_reac	147.133	0.0	73.5665	0.0
load	N_1200109856	constant_power_B_reac	147.133	0.0	73.5665	0.0
load	N_1200109856	constant_power_C_reac	147.133	0.0	73.5665	0.0
load	N_1200109855	constant_power_A	949.641	588.535	474.8205	294.2675
load	N_1200109855	constant_power_B	949.641	588.535	474.8205	294.2675
load	N_1200109855	constant_power_C	949.641	588.535	474.8205	294.2675
load	N_1200109855	constant_power_A_real	949.641	0.0	474.8205	0.0
load	N_1200109855	constant_power_B_real	949.641	0.0	474.8205	0.0
load	N_1200109855	constant_power_C_real	949.641	0.0	474.8205	0.0
load	N_1200109855	constant_power_A_reac	588.535	0.0	294.2675	0.0
load	N_1200109855	constant_power_B_reac	588.535	0.0	294.2675	0.0
load	N_1200109855	constant_power_C_reac	588.535	0.0	294.2675	0.0
load	N_1200166241	constant_power_A	1883.29	1040.59	941.645	520.295
load	N_1200166241	constant_power_B	1883.29	1040.59	941.645	520.295
load	N_1200166241	constant_power_C	1883.29	1040.59	941.645	520.295
load	N_1200166241	constant_power_A_real	1883.29	0.0	941.645	0.0
load	N_1200166241	constant_power_B_real	1883.29	0.0	941.645	0.0
load	N_1200166241	constant_power_C_real	1883.29	0.0	941.645	0.0
load	N_1200166241	constant_power_A_reac	1040.59	0.0	520.295	0.0
load	N_1200166241	constant_power_B_reac	1040.59	0.0	520.295	0.0
load	N_1200166241	constant_power_C_reac	1040.59	0.0	520.295	0.0
load	N_1200109707	constant_power_A	738.61	242.769	369.305	121.3845
load	N_1200109707	constant_power_B	738.61	242.769	369.305	121.3845
load	N_1200109707	constant_power_C	738.61	242.769	369.305	121.3845
load	N_1200109707	constant_power_A_real	738.61	0.0	369.305	0.0
load	N_1200109707	constant_power_B_real	738.61	0.0	369.305	0.0
load	N_1200109707	constant_power_C_real	738.61	0.0	369.305	0.0
load	N_1200109707	constant_power_A_reac	242.769	0.0	121.3845	0.0
load	N_1200109707	constant_power_B_reac	242.769	0.0	121.3845	0.0
load	N_1200109707	constant_power_C_reac	242.769	0.0	121.3845	0.0
load	N_1200166243	constant_power_A	7904.08	4679.81	3952.04	2339.905
load	N_1200166243	constant_power_B	7904.08	4679.81	3952.04	2339.905
load	N_1200166243	constant_power_C	7904.08	4679.81	3952.04	2339.905
load	N_1200166243	constant_power_A_real	7904.08	0.0	3952.04	0.0
load	N_1200166243	constant_power_B_real	7904.08	0.0	3952.04	0.0
load	N_1200166243	constant_power_C_real	7904.08	0.0	3952.04	0.0
load	N_1200166243	constant_power_A_reac	4679.81	0.0	2339.905	0.0
load	N_1200166243	constant_power_B_reac	4679.81	0.0	2339.905	0.0
load	N_1200166243	constant_power_C_reac	4679.81	0.0	2339.905	0.0
load	N_1200166245	constant_power_A	5864.11	3634.25	2932.055	1817.125
load	N_1200166245	constant_power_B	5864.11	3634.25	2932.055	1817.125
load	N_1200166245	constant_power_C	5864.11	3634.25	2932.055	1817.125
load	N_1200166245	constant_power_A_real	5864.11	0.0	2932.055	0.0
load	N_1200166245	constant_power_B_real	5864.11	0.0	2932.055	0.0
load	N_1200166245	constant_power_C_real	5864.11	0.0	2932.055	0.0
load	N_1200166245	constant_power_A_reac	3634.25	0.0	1817.125	0.0
load	N_1200166245	constant_power_B_reac	3634.25	0.0	1817.125	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166245	constant_power_C_reac	3634.25	0.0	1817.125	0.0
load	N_1200166244	constant_power_A	1032.77	339.457	516.385	169.7285
load	N_1200166244	constant_power_B	1032.77	339.457	516.385	169.7285
load	N_1200166244	constant_power_C	1032.77	339.457	516.385	169.7285
load	N_1200166244	constant_power_A_real	1032.77	0.0	516.385	0.0
load	N_1200166244	constant_power_B_real	1032.77	0.0	516.385	0.0
load	N_1200166244	constant_power_C_real	1032.77	0.0	516.385	0.0
load	N_1200166244	constant_power_A_reac	339.457	0.0	169.7285	0.0
load	N_1200166244	constant_power_B_reac	339.457	0.0	169.7285	0.0
load	N_1200166244	constant_power_C_reac	339.457	0.0	169.7285	0.0
load	N_1200166247	constant_power_A	1867.31	714.264	933.655	357.132
load	N_1200166247	constant_power_B	1867.31	714.264	933.655	357.132
load	N_1200166247	constant_power_C	1867.31	714.264	933.655	357.132
load	N_1200166247	constant_power_A_real	1867.31	0.0	933.655	0.0
load	N_1200166247	constant_power_B_real	1867.31	0.0	933.655	0.0
load	N_1200166247	constant_power_C_real	1867.31	0.0	933.655	0.0
load	N_1200166247	constant_power_A_reac	714.264	0.0	357.132	0.0
load	N_1200166247	constant_power_B_reac	714.264	0.0	357.132	0.0
load	N_1200166247	constant_power_C_reac	714.264	0.0	357.132	0.0
load	N_1200166246	constant_power_A	3053.56	1132.09	1526.78	566.045
load	N_1200166246	constant_power_B	3053.56	1132.09	1526.78	566.045
load	N_1200166246	constant_power_C	3053.56	1132.09	1526.78	566.045
load	N_1200166246	constant_power_A_real	3053.56	0.0	1526.78	0.0
load	N_1200166246	constant_power_B_real	3053.56	0.0	1526.78	0.0
load	N_1200166246	constant_power_C_real	3053.56	0.0	1526.78	0.0
load	N_1200166246	constant_power_A_reac	1132.09	0.0	566.045	0.0
load	N_1200166246	constant_power_B_reac	1132.09	0.0	566.045	0.0
load	N_1200166246	constant_power_C_reac	1132.09	0.0	566.045	0.0
load	N_1200015168	constant_power_A	2887.29	949.007	1443.645	474.5035
load	N_1200015168	constant_power_B	2887.29	949.007	1443.645	474.5035
load	N_1200015168	constant_power_C	2887.29	949.007	1443.645	474.5035
load	N_1200015168	constant_power_A_real	2887.29	0.0	1443.645	0.0
load	N_1200015168	constant_power_B_real	2887.29	0.0	1443.645	0.0
load	N_1200015168	constant_power_C_real	2887.29	0.0	1443.645	0.0
load	N_1200015168	constant_power_A_reac	949.007	0.0	474.5035	0.0
load	N_1200015168	constant_power_B_reac	949.007	0.0	474.5035	0.0
load	N_1200015168	constant_power_C_reac	949.007	0.0	474.5035	0.0
load	N_1200130397	constant_power_A	10788.2	3631.52	5394.1	1815.76
load	N_1200130397	constant_power_B	10788.2	3631.52	5394.1	1815.76
load	N_1200130397	constant_power_C	10788.2	3631.52	5394.1	1815.76
load	N_1200130397	constant_power_A_real	10788.2	0.0	5394.1	0.0
load	N_1200130397	constant_power_B_real	10788.2	0.0	5394.1	0.0
load	N_1200130397	constant_power_C_real	10788.2	0.0	5394.1	0.0
load	N_1200130397	constant_power_A_reac	3631.52	0.0	1815.76	0.0
load	N_1200130397	constant_power_B_reac	3631.52	0.0	1815.76	0.0
load	N_1200130397	constant_power_C_reac	3631.52	0.0	1815.76	0.0
load	N_1200159487	constant_power_A	2768.99	1716.06	1384.495	858.03
load	N_1200159487	constant_power_B	2768.99	1716.06	1384.495	858.03
load	N_1200159487	constant_power_C	2768.99	1716.06	1384.495	858.03
load	N_1200159487	constant_power_A_real	2768.99	0.0	1384.495	0.0
load	N_1200159487	constant_power_B_real	2768.99	0.0	1384.495	0.0
load	N_1200159487	constant_power_C_real	2768.99	0.0	1384.495	0.0
load	N_1200159487	constant_power_A_reac	1716.06	0.0	858.03	0.0
load	N_1200159487	constant_power_B_reac	1716.06	0.0	858.03	0.0
load	N_1200159487	constant_power_C_reac	1716.06	0.0	858.03	0.0
load	N_1200166088	constant_power_A	1016.79	419.822	508.395	209.911
load	N_1200166088	constant_power_B	1016.79	419.822	508.395	209.911
load	N_1200166088	constant_power_C	1016.79	419.822	508.395	209.911
load	N_1200166088	constant_power_A_real	1016.79	0.0	508.395	0.0
load	N_1200166088	constant_power_B_real	1016.79	0.0	508.395	0.0
load	N_1200166088	constant_power_C_real	1016.79	0.0	508.395	0.0
load	N_1200166088	constant_power_A_reac	419.822	0.0	209.911	0.0
load	N_1200166088	constant_power_B_reac	419.822	0.0	209.911	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166088	constant_power_C_reac	419.822	0.0	209.911	0.0
load	N_1200166087	constant_power_A	1966.43	694.727	983.215	347.3635
load	N_1200166087	constant_power_B	1966.43	694.727	983.215	347.3635
load	N_1200166087	constant_power_C	1966.43	694.727	983.215	347.3635
load	N_1200166087	constant_power_A_real	1966.43	0.0	983.215	0.0
load	N_1200166087	constant_power_B_real	1966.43	0.0	983.215	0.0
load	N_1200166087	constant_power_C_real	1966.43	0.0	983.215	0.0
load	N_1200166087	constant_power_A_reac	694.727	0.0	347.3635	0.0
load	N_1200166087	constant_power_B_reac	694.727	0.0	347.3635	0.0
load	N_1200166087	constant_power_C_reac	694.727	0.0	347.3635	0.0
load	N_1200166086	constant_power_A	2682.66	881.746	1341.33	440.873
load	N_1200166086	constant_power_B	2682.66	881.746	1341.33	440.873
load	N_1200166086	constant_power_C	2682.66	881.746	1341.33	440.873
load	N_1200166086	constant_power_A_real	2682.66	0.0	1341.33	0.0
load	N_1200166086	constant_power_B_real	2682.66	0.0	1341.33	0.0
load	N_1200166086	constant_power_C_real	2682.66	0.0	1341.33	0.0
load	N_1200166086	constant_power_A_reac	881.746	0.0	440.873	0.0
load	N_1200166086	constant_power_B_reac	881.746	0.0	440.873	0.0
load	N_1200166086	constant_power_C_reac	881.746	0.0	440.873	0.0
load	N_1200466620	constant_power_A	3725.02	1224.36	1862.51	612.18
load	N_1200466620	constant_power_B	3725.02	1224.36	1862.51	612.18
load	N_1200466620	constant_power_C	3725.02	1224.36	1862.51	612.18
load	N_1200466620	constant_power_A_real	3725.02	0.0	1862.51	0.0
load	N_1200466620	constant_power_B_real	3725.02	0.0	1862.51	0.0
load	N_1200466620	constant_power_C_real	3725.02	0.0	1862.51	0.0
load	N_1200466620	constant_power_A_reac	1224.36	0.0	612.18	0.0
load	N_1200466620	constant_power_B_reac	1224.36	0.0	612.18	0.0
load	N_1200466620	constant_power_C_reac	1224.36	0.0	612.18	0.0
load	N_1200130391	constant_power_A	837.73	519.179	418.865	259.5895
load	N_1200130391	constant_power_B	837.73	519.179	418.865	259.5895
load	N_1200130391	constant_power_C	837.73	519.179	418.865	259.5895
load	N_1200130391	constant_power_A_real	837.73	0.0	418.865	0.0
load	N_1200130391	constant_power_B_real	837.73	0.0	418.865	0.0
load	N_1200130391	constant_power_C_real	837.73	0.0	418.865	0.0
load	N_1200130391	constant_power_A_reac	519.179	0.0	259.5895	0.0
load	N_1200130391	constant_power_B_reac	519.179	0.0	259.5895	0.0
load	N_1200130391	constant_power_C_reac	519.179	0.0	259.5895	0.0
load	N_1200159310	constant_power_A	28.777	17.8344	14.3885	8.9172
load	N_1200159310	constant_power_B	28.777	17.8344	14.3885	8.9172
load	N_1200159310	constant_power_C	28.777	17.8344	14.3885	8.9172
load	N_1200159310	constant_power_A_real	28.777	0.0	14.3885	0.0
load	N_1200159310	constant_power_B_real	28.777	0.0	14.3885	0.0
load	N_1200159310	constant_power_C_real	28.777	0.0	14.3885	0.0
load	N_1200159310	constant_power_A_reac	17.8344	0.0	8.9172	0.0
load	N_1200159310	constant_power_B_reac	17.8344	0.0	8.9172	0.0
load	N_1200159310	constant_power_C_reac	17.8344	0.0	8.9172	0.0
load	N_1200159315	constant_power_A	1630.7	535.984	815.35	267.992
load	N_1200159315	constant_power_B	1630.7	535.984	815.35	267.992
load	N_1200159315	constant_power_C	1630.7	535.984	815.35	267.992
load	N_1200159315	constant_power_A_real	1630.7	0.0	815.35	0.0
load	N_1200159315	constant_power_B_real	1630.7	0.0	815.35	0.0
load	N_1200159315	constant_power_C_real	1630.7	0.0	815.35	0.0
load	N_1200159315	constant_power_A_reac	535.984	0.0	267.992	0.0
load	N_1200159315	constant_power_B_reac	535.984	0.0	267.992	0.0
load	N_1200159315	constant_power_C_reac	535.984	0.0	267.992	0.0
load	N_1200159314	constant_power_A	1243.81	408.819	621.905	204.4095
load	N_1200159314	constant_power_B	1243.81	408.819	621.905	204.4095
load	N_1200159314	constant_power_C	1243.81	408.819	621.905	204.4095
load	N_1200159314	constant_power_A_real	1243.81	0.0	621.905	0.0
load	N_1200159314	constant_power_B_real	1243.81	0.0	621.905	0.0
load	N_1200159314	constant_power_C_real	1243.81	0.0	621.905	0.0
load	N_1200159314	constant_power_A_reac	408.819	0.0	204.4095	0.0
load	N_1200159314	constant_power_B_reac	408.819	0.0	204.4095	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159314	constant_power_C_reac	408.819	0.0	204.4095	0.0
load	N_1200159316	constant_power_A	182.254	112.951	91.127	56.4755
load	N_1200159316	constant_power_B	182.254	112.951	91.127	56.4755
load	N_1200159316	constant_power_C	182.254	112.951	91.127	56.4755
load	N_1200159316	constant_power_A_real	182.254	0.0	91.127	0.0
load	N_1200159316	constant_power_B_real	182.254	0.0	91.127	0.0
load	N_1200159316	constant_power_C_real	182.254	0.0	91.127	0.0
load	N_1200159316	constant_power_A_reac	112.951	0.0	56.4755	0.0
load	N_1200159316	constant_power_B_reac	112.951	0.0	56.4755	0.0
load	N_1200159316	constant_power_C_reac	112.951	0.0	56.4755	0.0
load	N_1200159319	constant_power_A	9576.34	5703.15	4788.17	2851.575
load	N_1200159319	constant_power_B	9576.34	5703.15	4788.17	2851.575
load	N_1200159319	constant_power_C	9576.34	5703.15	4788.17	2851.575
load	N_1200159319	constant_power_A_real	9576.34	0.0	4788.17	0.0
load	N_1200159319	constant_power_B_real	9576.34	0.0	4788.17	0.0
load	N_1200159319	constant_power_C_real	9576.34	0.0	4788.17	0.0
load	N_1200159319	constant_power_A_reac	5703.15	0.0	2851.575	0.0
load	N_1200159319	constant_power_B_reac	5703.15	0.0	2851.575	0.0
load	N_1200159319	constant_power_C_reac	5703.15	0.0	2851.575	0.0
load	N_1200172921	constant_power_A	2126.3	698.881	1063.15	349.4405
load	N_1200172921	constant_power_B	2126.3	698.881	1063.15	349.4405
load	N_1200172921	constant_power_C	2126.3	698.881	1063.15	349.4405
load	N_1200172921	constant_power_A_real	2126.3	0.0	1063.15	0.0
load	N_1200172921	constant_power_B_real	2126.3	0.0	1063.15	0.0
load	N_1200172921	constant_power_C_real	2126.3	0.0	1063.15	0.0
load	N_1200172921	constant_power_A_reac	698.881	0.0	349.4405	0.0
load	N_1200172921	constant_power_B_reac	698.881	0.0	349.4405	0.0
load	N_1200172921	constant_power_C_reac	698.881	0.0	349.4405	0.0
load	N_1200159301	constant_power_A	3264.59	1073.02	1632.295	536.51
load	N_1200159301	constant_power_B	3264.59	1073.02	1632.295	536.51
load	N_1200159301	constant_power_C	3264.59	1073.02	1632.295	536.51
load	N_1200159301	constant_power_A_real	3264.59	0.0	1632.295	0.0
load	N_1200159301	constant_power_B_real	3264.59	0.0	1632.295	0.0
load	N_1200159301	constant_power_C_real	3264.59	0.0	1632.295	0.0
load	N_1200159301	constant_power_A_reac	1073.02	0.0	536.51	0.0
load	N_1200159301	constant_power_B_reac	1073.02	0.0	536.51	0.0
load	N_1200159301	constant_power_C_reac	1073.02	0.0	536.51	0.0
load	N_1200074743	constant_power_A	67000.0	41522.9	33500.0	20761.45
load	N_1200074743	constant_power_B	67000.0	41522.9	33500.0	20761.45
load	N_1200074743	constant_power_C	67000.0	41522.9	33500.0	20761.45
load	N_1200074743	constant_power_A_real	67000.0	0.0	33500.0	0.0
load	N_1200074743	constant_power_B_real	67000.0	0.0	33500.0	0.0
load	N_1200074743	constant_power_C_real	67000.0	0.0	33500.0	0.0
load	N_1200074743	constant_power_A_reac	41522.9	0.0	20761.45	0.0
load	N_1200074743	constant_power_B_reac	41522.9	0.0	20761.45	0.0
load	N_1200074743	constant_power_C_reac	41522.9	0.0	20761.45	0.0
load	N_1200129837	constant_power_A	441.247	145.031	220.6235	72.5155
load	N_1200129837	constant_power_B	441.247	145.031	220.6235	72.5155
load	N_1200129837	constant_power_C	441.247	145.031	220.6235	72.5155
load	N_1200129837	constant_power_A_real	441.247	0.0	220.6235	0.0
load	N_1200129837	constant_power_B_real	441.247	0.0	220.6235	0.0
load	N_1200129837	constant_power_C_real	441.247	0.0	220.6235	0.0
load	N_1200129837	constant_power_A_reac	145.031	0.0	72.5155	0.0
load	N_1200129837	constant_power_B_reac	145.031	0.0	72.5155	0.0
load	N_1200129837	constant_power_C_reac	145.031	0.0	72.5155	0.0
load	N_1200129835	constant_power_A	2938.45	1821.09	1469.225	910.545
load	N_1200129835	constant_power_B	2938.45	1821.09	1469.225	910.545
load	N_1200129835	constant_power_C	2938.45	1821.09	1469.225	910.545
load	N_1200129835	constant_power_A_real	2938.45	0.0	1469.225	0.0
load	N_1200129835	constant_power_B_real	2938.45	0.0	1469.225	0.0
load	N_1200129835	constant_power_C_real	2938.45	0.0	1469.225	0.0
load	N_1200129835	constant_power_A_reac	1821.09	0.0	910.545	0.0
load	N_1200129835	constant_power_B_reac	1821.09	0.0	910.545	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129835	constant_power_C_reac	1821.09	0.0	910.545	0.0
load	N_1200129834	constant_power_A	2916.07	972.425	1458.035	486.2125
load	N_1200129834	constant_power_B	2916.07	972.425	1458.035	486.2125
load	N_1200129834	constant_power_C	2916.07	972.425	1458.035	486.2125
load	N_1200129834	constant_power_A_real	2916.07	0.0	1458.035	0.0
load	N_1200129834	constant_power_B_real	2916.07	0.0	1458.035	0.0
load	N_1200129834	constant_power_C_real	2916.07	0.0	1458.035	0.0
load	N_1200129834	constant_power_A_reac	972.425	0.0	486.2125	0.0
load	N_1200129834	constant_power_B_reac	972.425	0.0	486.2125	0.0
load	N_1200129834	constant_power_C_reac	972.425	0.0	486.2125	0.0
load	N_1200129832	constant_power_A	1282.17	454.003	641.085	227.0015
load	N_1200129832	constant_power_B	1282.17	454.003	641.085	227.0015
load	N_1200129832	constant_power_C	1282.17	454.003	641.085	227.0015
load	N_1200129832	constant_power_A_real	1282.17	0.0	641.085	0.0
load	N_1200129832	constant_power_B_real	1282.17	0.0	641.085	0.0
load	N_1200129832	constant_power_C_real	1282.17	0.0	641.085	0.0
load	N_1200129832	constant_power_A_reac	454.003	0.0	227.0015	0.0
load	N_1200129832	constant_power_B_reac	454.003	0.0	227.0015	0.0
load	N_1200129832	constant_power_C_reac	454.003	0.0	227.0015	0.0
load	N_1200129831	constant_power_A	898.482	295.317	449.241	147.6585
load	N_1200129831	constant_power_B	898.482	295.317	449.241	147.6585
load	N_1200129831	constant_power_C	898.482	295.317	449.241	147.6585
load	N_1200129831	constant_power_A_real	898.482	0.0	449.241	0.0
load	N_1200129831	constant_power_B_real	898.482	0.0	449.241	0.0
load	N_1200129831	constant_power_C_real	898.482	0.0	449.241	0.0
load	N_1200129831	constant_power_A_reac	295.317	0.0	147.6585	0.0
load	N_1200129831	constant_power_B_reac	295.317	0.0	147.6585	0.0
load	N_1200129831	constant_power_C_reac	295.317	0.0	147.6585	0.0
load	N_1200109720	constant_power_A	428.457	265.534	214.2285	132.767
load	N_1200109720	constant_power_B	428.457	265.534	214.2285	132.767
load	N_1200109720	constant_power_C	428.457	265.534	214.2285	132.767
load	N_1200109720	constant_power_A_real	428.457	0.0	214.2285	0.0
load	N_1200109720	constant_power_B_real	428.457	0.0	214.2285	0.0
load	N_1200109720	constant_power_C_real	428.457	0.0	214.2285	0.0
load	N_1200109720	constant_power_A_reac	265.534	0.0	132.767	0.0
load	N_1200109720	constant_power_B_reac	265.534	0.0	132.767	0.0
load	N_1200109720	constant_power_C_reac	265.534	0.0	132.767	0.0
load	N_1200129839	constant_power_A	2906.48	955.313	1453.24	477.6565
load	N_1200129839	constant_power_B	2906.48	955.313	1453.24	477.6565
load	N_1200129839	constant_power_C	2906.48	955.313	1453.24	477.6565
load	N_1200129839	constant_power_A_real	2906.48	0.0	1453.24	0.0
load	N_1200129839	constant_power_B_real	2906.48	0.0	1453.24	0.0
load	N_1200129839	constant_power_C_real	2906.48	0.0	1453.24	0.0
load	N_1200129839	constant_power_A_reac	955.313	0.0	477.6565	0.0
load	N_1200129839	constant_power_B_reac	955.313	0.0	477.6565	0.0
load	N_1200129839	constant_power_C_reac	955.313	0.0	477.6565	0.0
load	N_1200160192	constant_power_A	1208.63	749.044	604.315	374.522
load	N_1200160192	constant_power_B	1208.63	749.044	604.315	374.522
load	N_1200160192	constant_power_C	1208.63	749.044	604.315	374.522
load	N_1200160192	constant_power_A_real	1208.63	0.0	604.315	0.0
load	N_1200160192	constant_power_B_real	1208.63	0.0	604.315	0.0
load	N_1200160192	constant_power_C_real	1208.63	0.0	604.315	0.0
load	N_1200160192	constant_power_A_reac	749.044	0.0	374.522	0.0
load	N_1200160192	constant_power_B_reac	749.044	0.0	374.522	0.0
load	N_1200160192	constant_power_C_reac	749.044	0.0	374.522	0.0
load	N_1200020604	constant_power_A	4313.35	2673.18	2156.675	1336.59
load	N_1200020604	constant_power_B	4313.35	2673.18	2156.675	1336.59
load	N_1200020604	constant_power_C	4313.35	2673.18	2156.675	1336.59
load	N_1200020604	constant_power_A_real	4313.35	0.0	2156.675	0.0
load	N_1200020604	constant_power_B_real	4313.35	0.0	2156.675	0.0
load	N_1200020604	constant_power_C_real	4313.35	0.0	2156.675	0.0
load	N_1200020604	constant_power_A_reac	2673.18	0.0	1336.59	0.0
load	N_1200020604	constant_power_B_reac	2673.18	0.0	1336.59	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200020604	constant_power_C_reac	2673.18	0.0	1336.59	0.0
load	N_1200160190	constant_power_A	3952.04	1298.97	1976.02	649.485
load	N_1200160190	constant_power_B	3952.04	1298.97	1976.02	649.485
load	N_1200160190	constant_power_C	3952.04	1298.97	1976.02	649.485
load	N_1200160190	constant_power_A_real	3952.04	0.0	1976.02	0.0
load	N_1200160190	constant_power_B_real	3952.04	0.0	1976.02	0.0
load	N_1200160190	constant_power_C_real	3952.04	0.0	1976.02	0.0
load	N_1200160190	constant_power_A_reac	1298.97	0.0	649.485	0.0
load	N_1200160190	constant_power_B_reac	1298.97	0.0	649.485	0.0
load	N_1200160190	constant_power_C_reac	1298.97	0.0	649.485	0.0
load	N_1200160231	constant_power_A	2489.21	832.124	1244.605	416.062
load	N_1200160231	constant_power_B	2489.21	832.124	1244.605	416.062
load	N_1200160231	constant_power_A_real	2489.21	0.0	1244.605	0.0
load	N_1200160231	constant_power_B_real	2489.21	0.0	1244.605	0.0
load	N_1200160231	constant_power_A_reac	832.124	0.0	416.062	0.0
load	N_1200160231	constant_power_B_reac	832.124	0.0	416.062	0.0
load	N_1200160196	constant_power_A	466.827	289.313	233.4135	144.6565
load	N_1200160196	constant_power_B	466.827	289.313	233.4135	144.6565
load	N_1200160196	constant_power_C	466.827	289.313	233.4135	144.6565
load	N_1200160196	constant_power_A_real	466.827	0.0	233.4135	0.0
load	N_1200160196	constant_power_B_real	466.827	0.0	233.4135	0.0
load	N_1200160196	constant_power_C_real	466.827	0.0	233.4135	0.0
load	N_1200160196	constant_power_A_reac	289.313	0.0	144.6565	0.0
load	N_1200160196	constant_power_B_reac	289.313	0.0	144.6565	0.0
load	N_1200160196	constant_power_C_reac	289.313	0.0	144.6565	0.0
load	N_1200160195	constant_power_A	831.335	273.247	415.6675	136.6235
load	N_1200160195	constant_power_B	831.335	273.247	415.6675	136.6235
load	N_1200160195	constant_power_C	831.335	273.247	415.6675	136.6235
load	N_1200160195	constant_power_A_real	831.335	0.0	415.6675	0.0
load	N_1200160195	constant_power_B_real	831.335	0.0	415.6675	0.0
load	N_1200160195	constant_power_C_real	831.335	0.0	415.6675	0.0
load	N_1200160195	constant_power_A_reac	273.247	0.0	136.6235	0.0
load	N_1200160195	constant_power_B_reac	273.247	0.0	136.6235	0.0
load	N_1200160195	constant_power_C_reac	273.247	0.0	136.6235	0.0
load	N_1200160194	constant_power_A	2441.25	802.399	1220.625	401.1995
load	N_1200160194	constant_power_B	2441.25	802.399	1220.625	401.1995
load	N_1200160194	constant_power_A_real	2441.25	0.0	1220.625	0.0
load	N_1200160194	constant_power_B_real	2441.25	0.0	1220.625	0.0
load	N_1200160194	constant_power_A_reac	802.399	0.0	401.1995	0.0
load	N_1200160194	constant_power_B_reac	802.399	0.0	401.1995	0.0
load	N_1200130398	constant_power_A	1582.73	980.891	791.365	490.4455
load	N_1200130398	constant_power_B	1582.73	980.891	791.365	490.4455
load	N_1200130398	constant_power_C	1582.73	980.891	791.365	490.4455
load	N_1200130398	constant_power_A_real	1582.73	0.0	791.365	0.0
load	N_1200130398	constant_power_B_real	1582.73	0.0	791.365	0.0
load	N_1200130398	constant_power_C_real	1582.73	0.0	791.365	0.0
load	N_1200130398	constant_power_A_reac	980.891	0.0	490.4455	0.0
load	N_1200130398	constant_power_B_reac	980.891	0.0	490.4455	0.0
load	N_1200130398	constant_power_C_reac	980.891	0.0	490.4455	0.0
load	N_1200160198	constant_power_A	1087.13	357.323	543.565	178.6615
load	N_1200160198	constant_power_B	1087.13	357.323	543.565	178.6615
load	N_1200160198	constant_power_C	1087.13	357.323	543.565	178.6615
load	N_1200160198	constant_power_A_real	1087.13	0.0	543.565	0.0
load	N_1200160198	constant_power_B_real	1087.13	0.0	543.565	0.0
load	N_1200160198	constant_power_C_real	1087.13	0.0	543.565	0.0
load	N_1200160198	constant_power_A_reac	357.323	0.0	178.6615	0.0
load	N_1200160198	constant_power_B_reac	357.323	0.0	178.6615	0.0
load	N_1200160198	constant_power_C_reac	357.323	0.0	178.6615	0.0
load	N_1200160298	constant_power_A	1848.12	607.449	924.06	303.7245
load	N_1200160298	constant_power_B	1848.12	607.449	924.06	303.7245
load	N_1200160298	constant_power_C	1848.12	607.449	924.06	303.7245
load	N_1200160298	constant_power_A_real	1848.12	0.0	924.06	0.0
load	N_1200160298	constant_power_B_real	1848.12	0.0	924.06	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160298	constant_power_C_real	1848.12	0.0	924.06	0.0
load	N_1200160298	constant_power_A_reac	607.449	0.0	303.7245	0.0
load	N_1200160298	constant_power_B_reac	607.449	0.0	303.7245	0.0
load	N_1200160298	constant_power_C_reac	607.449	0.0	303.7245	0.0
load	N_1200167087	constant_power_A	179.057	110.97	89.5285	55.485
load	N_1200167087	constant_power_B	179.057	110.97	89.5285	55.485
load	N_1200167087	constant_power_C	179.057	110.97	89.5285	55.485
load	N_1200167087	constant_power_A_real	179.057	0.0	89.5285	0.0
load	N_1200167087	constant_power_B_real	179.057	0.0	89.5285	0.0
load	N_1200167087	constant_power_C_real	179.057	0.0	89.5285	0.0
load	N_1200167087	constant_power_A_reac	110.97	0.0	55.485	0.0
load	N_1200167087	constant_power_B_reac	110.97	0.0	55.485	0.0
load	N_1200167087	constant_power_C_reac	110.97	0.0	55.485	0.0
load	N_1200166238	constant_power_A	2612.31	1104.32	1306.155	552.16
load	N_1200166238	constant_power_B	2612.31	1104.32	1306.155	552.16
load	N_1200166238	constant_power_C	2612.31	1104.32	1306.155	552.16
load	N_1200166238	constant_power_A_real	2612.31	0.0	1306.155	0.0
load	N_1200166238	constant_power_B_real	2612.31	0.0	1306.155	0.0
load	N_1200166238	constant_power_C_real	2612.31	0.0	1306.155	0.0
load	N_1200166238	constant_power_A_reac	1104.32	0.0	552.16	0.0
load	N_1200166238	constant_power_B_reac	1104.32	0.0	552.16	0.0
load	N_1200166238	constant_power_C_reac	1104.32	0.0	552.16	0.0
load	N_1200166239	constant_power_A	2161.47	858.415	1080.735	429.2075
load	N_1200166239	constant_power_B	2161.47	858.415	1080.735	429.2075
load	N_1200166239	constant_power_C	2161.47	858.415	1080.735	429.2075
load	N_1200166239	constant_power_A_real	2161.47	0.0	1080.735	0.0
load	N_1200166239	constant_power_B_real	2161.47	0.0	1080.735	0.0
load	N_1200166239	constant_power_C_real	2161.47	0.0	1080.735	0.0
load	N_1200166239	constant_power_A_reac	858.415	0.0	429.2075	0.0
load	N_1200166239	constant_power_B_reac	858.415	0.0	429.2075	0.0
load	N_1200166239	constant_power_C_reac	858.415	0.0	429.2075	0.0
load	N_1200030127	constant_power_A	3270.99	2027.17	1635.495	1013.585
load	N_1200030127	constant_power_B	3270.99	2027.17	1635.495	1013.585
load	N_1200030127	constant_power_C	3270.99	2027.17	1635.495	1013.585
load	N_1200030127	constant_power_A_real	3270.99	0.0	1635.495	0.0
load	N_1200030127	constant_power_B_real	3270.99	0.0	1635.495	0.0
load	N_1200030127	constant_power_C_real	3270.99	0.0	1635.495	0.0
load	N_1200030127	constant_power_A_reac	2027.17	0.0	1013.585	0.0
load	N_1200030127	constant_power_B_reac	2027.17	0.0	1013.585	0.0
load	N_1200030127	constant_power_C_reac	2027.17	0.0	1013.585	0.0
load	N_1200166234	constant_power_A	3571.55	2213.44	1785.775	1106.72
load	N_1200166234	constant_power_B	3571.55	2213.44	1785.775	1106.72
load	N_1200166234	constant_power_C	3571.55	2213.44	1785.775	1106.72
load	N_1200166234	constant_power_A_real	3571.55	0.0	1785.775	0.0
load	N_1200166234	constant_power_B_real	3571.55	0.0	1785.775	0.0
load	N_1200166234	constant_power_C_real	3571.55	0.0	1785.775	0.0
load	N_1200166234	constant_power_A_reac	2213.44	0.0	1106.72	0.0
load	N_1200166234	constant_power_B_reac	2213.44	0.0	1106.72	0.0
load	N_1200166234	constant_power_C_reac	2213.44	0.0	1106.72	0.0
load	N_1200166235	constant_power_A	470.024	201.022	235.012	100.511
load	N_1200166235	constant_power_B	470.024	201.022	235.012	100.511
load	N_1200166235	constant_power_C	470.024	201.022	235.012	100.511
load	N_1200166235	constant_power_A_real	470.024	0.0	235.012	0.0
load	N_1200166235	constant_power_B_real	470.024	0.0	235.012	0.0
load	N_1200166235	constant_power_C_real	470.024	0.0	235.012	0.0
load	N_1200166235	constant_power_A_reac	201.022	0.0	100.511	0.0
load	N_1200166235	constant_power_B_reac	201.022	0.0	100.511	0.0
load	N_1200166235	constant_power_C_reac	201.022	0.0	100.511	0.0
load	N_1200166236	constant_power_A	639.489	396.319	319.7445	198.1595
load	N_1200166236	constant_power_B	639.489	396.319	319.7445	198.1595
load	N_1200166236	constant_power_C	639.489	396.319	319.7445	198.1595
load	N_1200166236	constant_power_A_real	639.489	0.0	319.7445	0.0
load	N_1200166236	constant_power_B_real	639.489	0.0	319.7445	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166236	constant_power_C_real	639.489	0.0	319.7445	0.0
load	N_1200166236	constant_power_A_reac	396.319	0.0	198.1595	0.0
load	N_1200166236	constant_power_B_reac	396.319	0.0	198.1595	0.0
load	N_1200166236	constant_power_C_reac	396.319	0.0	198.1595	0.0
load	N_1200166237	constant_power_A	67.1463	41.6136	33.57315	20.8068
load	N_1200166237	constant_power_B	67.1463	41.6136	33.57315	20.8068
load	N_1200166237	constant_power_C	67.1463	41.6136	33.57315	20.8068
load	N_1200166237	constant_power_A_real	67.1463	0.0	33.57315	0.0
load	N_1200166237	constant_power_B_real	67.1463	0.0	33.57315	0.0
load	N_1200166237	constant_power_C_real	67.1463	0.0	33.57315	0.0
load	N_1200166237	constant_power_A_reac	41.6136	0.0	20.8068	0.0
load	N_1200166237	constant_power_B_reac	41.6136	0.0	20.8068	0.0
load	N_1200166237	constant_power_C_reac	41.6136	0.0	20.8068	0.0
load	N_1200166230	constant_power_A	2916.07	958.466	1458.035	479.233
load	N_1200166230	constant_power_B	2916.07	958.466	1458.035	479.233
load	N_1200166230	constant_power_C	2916.07	958.466	1458.035	479.233
load	N_1200166230	constant_power_A_real	2916.07	0.0	1458.035	0.0
load	N_1200166230	constant_power_B_real	2916.07	0.0	1458.035	0.0
load	N_1200166230	constant_power_C_real	2916.07	0.0	1458.035	0.0
load	N_1200166230	constant_power_A_reac	958.466	0.0	479.233	0.0
load	N_1200166230	constant_power_B_reac	958.466	0.0	479.233	0.0
load	N_1200166230	constant_power_C_reac	958.466	0.0	479.233	0.0
load	N_1200166232	constant_power_A	1019.98	335.253	509.99	167.6265
load	N_1200166232	constant_power_B	1019.98	335.253	509.99	167.6265
load	N_1200166232	constant_power_C	1019.98	335.253	509.99	167.6265
load	N_1200166232	constant_power_A_real	1019.98	0.0	509.99	0.0
load	N_1200166232	constant_power_B_real	1019.98	0.0	509.99	0.0
load	N_1200166232	constant_power_C_real	1019.98	0.0	509.99	0.0
load	N_1200166232	constant_power_A_reac	335.253	0.0	167.6265	0.0
load	N_1200166232	constant_power_B_reac	335.253	0.0	167.6265	0.0
load	N_1200166232	constant_power_C_reac	335.253	0.0	167.6265	0.0
load	N_1200087879	constant_power_A	2020.78	664.2	1010.39	332.1
load	N_1200087879	constant_power_B	2020.78	664.2	1010.39	332.1
load	N_1200087879	constant_power_C	2020.78	664.2	1010.39	332.1
load	N_1200087879	constant_power_A_real	2020.78	0.0	1010.39	0.0
load	N_1200087879	constant_power_B_real	2020.78	0.0	1010.39	0.0
load	N_1200087879	constant_power_C_real	2020.78	0.0	1010.39	0.0
load	N_1200087879	constant_power_A_reac	664.2	0.0	332.1	0.0
load	N_1200087879	constant_power_B_reac	664.2	0.0	332.1	0.0
load	N_1200087879	constant_power_C_reac	664.2	0.0	332.1	0.0
load	N_1200130228	constant_power_A	466.827	153.439	233.4135	76.7195
load	N_1200130228	constant_power_B	466.827	153.439	233.4135	76.7195
load	N_1200130228	constant_power_C	466.827	153.439	233.4135	76.7195
load	N_1200130228	constant_power_A_real	466.827	0.0	233.4135	0.0
load	N_1200130228	constant_power_B_real	466.827	0.0	233.4135	0.0
load	N_1200130228	constant_power_C_real	466.827	0.0	233.4135	0.0
load	N_1200130228	constant_power_A_reac	153.439	0.0	76.7195	0.0
load	N_1200130228	constant_power_B_reac	153.439	0.0	76.7195	0.0
load	N_1200130228	constant_power_C_reac	153.439	0.0	76.7195	0.0
load	N_1200159250	constant_power_A	5314.15	1872.31	2657.075	936.155
load	N_1200159250	constant_power_B	5314.15	1872.31	2657.075	936.155
load	N_1200159250	constant_power_C	5314.15	1872.31	2657.075	936.155
load	N_1200159250	constant_power_A_real	5314.15	0.0	2657.075	0.0
load	N_1200159250	constant_power_B_real	5314.15	0.0	2657.075	0.0
load	N_1200159250	constant_power_C_real	5314.15	0.0	2657.075	0.0
load	N_1200159250	constant_power_A_reac	1872.31	0.0	936.155	0.0
load	N_1200159250	constant_power_B_reac	1872.31	0.0	936.155	0.0
load	N_1200159250	constant_power_C_reac	1872.31	0.0	936.155	0.0
load	N_1200082365	constant_power_A	175.859	108.988	87.9295	54.494
load	N_1200082365	constant_power_B	175.859	108.988	87.9295	54.494
load	N_1200082365	constant_power_C	175.859	108.988	87.9295	54.494
load	N_1200082365	constant_power_A_real	175.859	0.0	87.9295	0.0
load	N_1200082365	constant_power_B_real	175.859	0.0	87.9295	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200082365	constant_power_C_real	175.859	0.0	87.9295	0.0
load	N_1200082365	constant_power_A_reac	108.988	0.0	54.494	0.0
load	N_1200082365	constant_power_B_reac	108.988	0.0	54.494	0.0
load	N_1200082365	constant_power_C_reac	108.988	0.0	54.494	0.0
load	N_1200130144	constant_power_A	1416.47	465.57	708.235	232.785
load	N_1200130144	constant_power_B	1416.47	465.57	708.235	232.785
load	N_1200130144	constant_power_C	1416.47	465.57	708.235	232.785
load	N_1200130144	constant_power_A_real	1416.47	0.0	708.235	0.0
load	N_1200130144	constant_power_B_real	1416.47	0.0	708.235	0.0
load	N_1200130144	constant_power_C_real	1416.47	0.0	708.235	0.0
load	N_1200130144	constant_power_A_reac	465.57	0.0	232.785	0.0
load	N_1200130144	constant_power_B_reac	465.57	0.0	232.785	0.0
load	N_1200130144	constant_power_C_reac	465.57	0.0	232.785	0.0
load	N_1200130412	constant_power_A	21980.8	7224.75	10990.4	3612.375
load	N_1200130412	constant_power_C	21980.8	7224.75	10990.4	3612.375
load	N_1200130412	constant_power_A_real	21980.8	0.0	10990.4	0.0
load	N_1200130412	constant_power_C_real	21980.8	0.0	10990.4	0.0
load	N_1200130412	constant_power_A_reac	7224.75	0.0	3612.375	0.0
load	N_1200130412	constant_power_C_reac	7224.75	0.0	3612.375	0.0
load	N_1200083951	constant_power_A	3737.81	2032.64	1868.905	1016.32
load	N_1200083951	constant_power_B	3737.81	2032.64	1868.905	1016.32
load	N_1200083951	constant_power_C	3737.81	2032.64	1868.905	1016.32
load	N_1200083951	constant_power_A_real	3737.81	0.0	1868.905	0.0
load	N_1200083951	constant_power_B_real	3737.81	0.0	1868.905	0.0
load	N_1200083951	constant_power_C_real	3737.81	0.0	1868.905	0.0
load	N_1200083951	constant_power_A_reac	2032.64	0.0	1016.32	0.0
load	N_1200083951	constant_power_B_reac	2032.64	0.0	1016.32	0.0
load	N_1200083951	constant_power_C_reac	2032.64	0.0	1016.32	0.0
load	N_1200082369	constant_power_A	2519.59	828.148	1259.795	414.074
load	N_1200082369	constant_power_B	2519.59	828.148	1259.795	414.074
load	N_1200082369	constant_power_C	2519.59	828.148	1259.795	414.074
load	N_1200082369	constant_power_A_real	2519.59	0.0	1259.795	0.0
load	N_1200082369	constant_power_B_real	2519.59	0.0	1259.795	0.0
load	N_1200082369	constant_power_C_real	2519.59	0.0	1259.795	0.0
load	N_1200082369	constant_power_A_reac	828.148	0.0	414.074	0.0
load	N_1200082369	constant_power_B_reac	828.148	0.0	414.074	0.0
load	N_1200082369	constant_power_C_reac	828.148	0.0	414.074	0.0
load	N_1200159536	constant_power_A	6276.58	2063.01	3138.29	1031.505
load	N_1200159536	constant_power_B	6276.58	2063.01	3138.29	1031.505
load	N_1200159536	constant_power_C	6276.58	2063.01	3138.29	1031.505
load	N_1200159536	constant_power_A_real	6276.58	0.0	3138.29	0.0
load	N_1200159536	constant_power_B_real	6276.58	0.0	3138.29	0.0
load	N_1200159536	constant_power_C_real	6276.58	0.0	3138.29	0.0
load	N_1200159536	constant_power_A_reac	2063.01	0.0	1031.505	0.0
load	N_1200159536	constant_power_B_reac	2063.01	0.0	1031.505	0.0
load	N_1200159536	constant_power_C_reac	2063.01	0.0	1031.505	0.0
load	N_1200130007	constant_power_A	2768.99	1179.08	1384.495	589.54
load	N_1200130007	constant_power_B	2768.99	1179.08	1384.495	589.54
load	N_1200130007	constant_power_C	2768.99	1179.08	1384.495	589.54
load	N_1200130007	constant_power_A_real	2768.99	0.0	1384.495	0.0
load	N_1200130007	constant_power_B_real	2768.99	0.0	1384.495	0.0
load	N_1200130007	constant_power_C_real	2768.99	0.0	1384.495	0.0
load	N_1200130007	constant_power_A_reac	1179.08	0.0	589.54	0.0
load	N_1200130007	constant_power_B_reac	1179.08	0.0	589.54	0.0
load	N_1200130007	constant_power_C_reac	1179.08	0.0	589.54	0.0
load	N_1200174181	constant_power_A	4879.3	2861.05	2439.65	1430.525
load	N_1200174181	constant_power_B	4879.3	2861.05	2439.65	1430.525
load	N_1200174181	constant_power_C	4879.3	2861.05	2439.65	1430.525
load	N_1200174181	constant_power_A_real	4879.3	0.0	2439.65	0.0
load	N_1200174181	constant_power_B_real	4879.3	0.0	2439.65	0.0
load	N_1200174181	constant_power_C_real	4879.3	0.0	2439.65	0.0
load	N_1200174181	constant_power_A_reac	2861.05	0.0	1430.525	0.0
load	N_1200174181	constant_power_B_reac	2861.05	0.0	1430.525	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200174181	constant_power_C_reac	2861.05	0.0	1430.525	0.0
load	N_1200159255	constant_power_A	44.7643	14.7133	22.38215	7.35665
load	N_1200159255	constant_power_B	44.7643	14.7133	22.38215	7.35665
load	N_1200159255	constant_power_C	44.7643	14.7133	22.38215	7.35665
load	N_1200159255	constant_power_A_real	44.7643	0.0	22.38215	0.0
load	N_1200159255	constant_power_B_real	44.7643	0.0	22.38215	0.0
load	N_1200159255	constant_power_C_real	44.7643	0.0	22.38215	0.0
load	N_1200159255	constant_power_A_reac	14.7133	0.0	7.35665	0.0
load	N_1200159255	constant_power_B_reac	14.7133	0.0	7.35665	0.0
load	N_1200159255	constant_power_C_reac	14.7133	0.0	7.35665	0.0
load	N_1200109708	constant_power_A	546.763	192.741	273.3815	96.3705
load	N_1200109708	constant_power_B	546.763	192.741	273.3815	96.3705
load	N_1200109708	constant_power_C	546.763	192.741	273.3815	96.3705
load	N_1200109708	constant_power_A_real	546.763	0.0	273.3815	0.0
load	N_1200109708	constant_power_B_real	546.763	0.0	273.3815	0.0
load	N_1200109708	constant_power_C_real	546.763	0.0	273.3815	0.0
load	N_1200109708	constant_power_A_reac	192.741	0.0	96.3705	0.0
load	N_1200109708	constant_power_B_reac	192.741	0.0	96.3705	0.0
load	N_1200109708	constant_power_C_reac	192.741	0.0	96.3705	0.0
load	N_1200159559	constant_power_A	895.284	294.266	447.642	147.133
load	N_1200159559	constant_power_B	895.284	294.266	447.642	147.133
load	N_1200159559	constant_power_C	895.284	294.266	447.642	147.133
load	N_1200159559	constant_power_A_real	895.284	0.0	447.642	0.0
load	N_1200159559	constant_power_B_real	895.284	0.0	447.642	0.0
load	N_1200159559	constant_power_C_real	895.284	0.0	447.642	0.0
load	N_1200159559	constant_power_A_reac	294.266	0.0	147.133	0.0
load	N_1200159559	constant_power_B_reac	294.266	0.0	147.133	0.0
load	N_1200159559	constant_power_C_reac	294.266	0.0	147.133	0.0
load	N_1200108736	constant_power_A	492.406	161.846	246.203	80.923
load	N_1200108736	constant_power_B	492.406	161.846	246.203	80.923
load	N_1200108736	constant_power_C	492.406	161.846	246.203	80.923
load	N_1200108736	constant_power_A_real	492.406	0.0	246.203	0.0
load	N_1200108736	constant_power_B_real	492.406	0.0	246.203	0.0
load	N_1200108736	constant_power_C_real	492.406	0.0	246.203	0.0
load	N_1200108736	constant_power_A_reac	161.846	0.0	80.923	0.0
load	N_1200108736	constant_power_B_reac	161.846	0.0	80.923	0.0
load	N_1200108736	constant_power_C_reac	161.846	0.0	80.923	0.0
load	N_1200109701	constant_power_A	2014.39	832.407	1007.195	416.2035
load	N_1200109701	constant_power_B	2014.39	832.407	1007.195	416.2035
load	N_1200109701	constant_power_C	2014.39	832.407	1007.195	416.2035
load	N_1200109701	constant_power_A_real	2014.39	0.0	1007.195	0.0
load	N_1200109701	constant_power_B_real	2014.39	0.0	1007.195	0.0
load	N_1200109701	constant_power_C_real	2014.39	0.0	1007.195	0.0
load	N_1200109701	constant_power_A_reac	832.407	0.0	416.2035	0.0
load	N_1200109701	constant_power_B_reac	832.407	0.0	416.2035	0.0
load	N_1200109701	constant_power_C_reac	832.407	0.0	416.2035	0.0
load	N_1200159257	constant_power_A	2084.73	685.219	1042.365	342.6095
load	N_1200159257	constant_power_B	2084.73	685.219	1042.365	342.6095
load	N_1200159257	constant_power_C	2084.73	685.219	1042.365	342.6095
load	N_1200159257	constant_power_A_real	2084.73	0.0	1042.365	0.0
load	N_1200159257	constant_power_B_real	2084.73	0.0	1042.365	0.0
load	N_1200159257	constant_power_C_real	2084.73	0.0	1042.365	0.0
load	N_1200159257	constant_power_A_reac	685.219	0.0	342.6095	0.0
load	N_1200159257	constant_power_B_reac	685.219	0.0	342.6095	0.0
load	N_1200159257	constant_power_C_reac	685.219	0.0	342.6095	0.0
load	N_1200087962	constant_power_A	2094.33	1297.95	1047.165	648.975
load	N_1200087962	constant_power_B	2094.33	1297.95	1047.165	648.975
load	N_1200087962	constant_power_C	2094.33	1297.95	1047.165	648.975
load	N_1200087962	constant_power_A_real	2094.33	0.0	1047.165	0.0
load	N_1200087962	constant_power_B_real	2094.33	0.0	1047.165	0.0
load	N_1200087962	constant_power_C_real	2094.33	0.0	1047.165	0.0
load	N_1200087962	constant_power_A_reac	1297.95	0.0	648.975	0.0
load	N_1200087962	constant_power_B_reac	1297.95	0.0	648.975	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200087962	constant_power_C_reac	1297.95	0.0	648.975	0.0
load	N_1200109706	constant_power_A	2855.32	938.497	1427.66	469.2485
load	N_1200109706	constant_power_B	2855.32	938.497	1427.66	469.2485
load	N_1200109706	constant_power_C	2855.32	938.497	1427.66	469.2485
load	N_1200109706	constant_power_A_real	2855.32	0.0	1427.66	0.0
load	N_1200109706	constant_power_B_real	2855.32	0.0	1427.66	0.0
load	N_1200109706	constant_power_C_real	2855.32	0.0	1427.66	0.0
load	N_1200109706	constant_power_A_reac	938.497	0.0	469.2485	0.0
load	N_1200109706	constant_power_B_reac	938.497	0.0	469.2485	0.0
load	N_1200109706	constant_power_C_reac	938.497	0.0	469.2485	0.0
load	N_1200109705	constant_power_A	1528.38	502.354	764.19	251.177
load	N_1200109705	constant_power_B	1528.38	502.354	764.19	251.177
load	N_1200109705	constant_power_C	1528.38	502.354	764.19	251.177
load	N_1200109705	constant_power_A_real	1528.38	0.0	764.19	0.0
load	N_1200109705	constant_power_B_real	1528.38	0.0	764.19	0.0
load	N_1200109705	constant_power_C_real	1528.38	0.0	764.19	0.0
load	N_1200109705	constant_power_A_reac	502.354	0.0	251.177	0.0
load	N_1200109705	constant_power_B_reac	502.354	0.0	251.177	0.0
load	N_1200109705	constant_power_C_reac	502.354	0.0	251.177	0.0
load	N_1200167118	constant_power_A	31028.0	19229.4	15514.0	9614.7
load	N_1200167118	constant_power_B	31028.0	19229.4	15514.0	9614.7
load	N_1200167118	constant_power_C	31028.0	19229.4	15514.0	9614.7
load	N_1200167118	constant_power_A_real	31028.0	0.0	15514.0	0.0
load	N_1200167118	constant_power_B_real	31028.0	0.0	15514.0	0.0
load	N_1200167118	constant_power_C_real	31028.0	0.0	15514.0	0.0
load	N_1200167118	constant_power_A_reac	19229.4	0.0	9614.7	0.0
load	N_1200167118	constant_power_B_reac	19229.4	0.0	9614.7	0.0
load	N_1200167118	constant_power_C_reac	19229.4	0.0	9614.7	0.0
load	N_1200159556	constant_power_A	6108.71	3785.84	3054.355	1892.92
load	N_1200159556	constant_power_B	6108.71	3785.84	3054.355	1892.92
load	N_1200159556	constant_power_C	6108.71	3785.84	3054.355	1892.92
load	N_1200159556	constant_power_A_real	6108.71	0.0	3054.355	0.0
load	N_1200159556	constant_power_B_real	6108.71	0.0	3054.355	0.0
load	N_1200159556	constant_power_C_real	6108.71	0.0	3054.355	0.0
load	N_1200159556	constant_power_A_reac	3785.84	0.0	1892.92	0.0
load	N_1200159556	constant_power_B_reac	3785.84	0.0	1892.92	0.0
load	N_1200159556	constant_power_C_reac	3785.84	0.0	1892.92	0.0
load	N_1200130027	constant_power_A	319.744	105.095	159.872	52.5475
load	N_1200130027	constant_power_B	319.744	105.095	159.872	52.5475
load	N_1200130027	constant_power_C	319.744	105.095	159.872	52.5475
load	N_1200130027	constant_power_A_real	319.744	0.0	159.872	0.0
load	N_1200130027	constant_power_B_real	319.744	0.0	159.872	0.0
load	N_1200130027	constant_power_C_real	319.744	0.0	159.872	0.0
load	N_1200130027	constant_power_A_reac	105.095	0.0	52.5475	0.0
load	N_1200130027	constant_power_B_reac	105.095	0.0	52.5475	0.0
load	N_1200130027	constant_power_C_reac	105.095	0.0	52.5475	0.0
load	N_1200159269	constant_power_A	716.227	235.413	358.1135	117.7065
load	N_1200159269	constant_power_B	716.227	235.413	358.1135	117.7065
load	N_1200159269	constant_power_C	716.227	235.413	358.1135	117.7065
load	N_1200159269	constant_power_A_real	716.227	0.0	358.1135	0.0
load	N_1200159269	constant_power_B_real	716.227	0.0	358.1135	0.0
load	N_1200159269	constant_power_C_real	716.227	0.0	358.1135	0.0
load	N_1200159269	constant_power_A_reac	235.413	0.0	117.7065	0.0
load	N_1200159269	constant_power_B_reac	235.413	0.0	117.7065	0.0
load	N_1200159269	constant_power_C_reac	235.413	0.0	117.7065	0.0
load	N_1200159268	constant_power_A	581.935	360.651	290.9675	180.3255
load	N_1200159268	constant_power_B	581.935	360.651	290.9675	180.3255
load	N_1200159268	constant_power_C	581.935	360.651	290.9675	180.3255
load	N_1200159268	constant_power_A_real	581.935	0.0	290.9675	0.0
load	N_1200159268	constant_power_B_real	581.935	0.0	290.9675	0.0
load	N_1200159268	constant_power_C_real	581.935	0.0	290.9675	0.0
load	N_1200159268	constant_power_A_reac	360.651	0.0	180.3255	0.0
load	N_1200159268	constant_power_B_reac	360.651	0.0	180.3255	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159268	constant_power_C_reac	360.651	0.0	180.3255	0.0
load	N_1200130039	constant_power_A	1985.61	652.639	992.805	326.3195
load	N_1200130039	constant_power_B	1985.61	652.639	992.805	326.3195
load	N_1200130039	constant_power_C	1985.61	652.639	992.805	326.3195
load	N_1200130039	constant_power_A_real	1985.61	0.0	992.805	0.0
load	N_1200130039	constant_power_B_real	1985.61	0.0	992.805	0.0
load	N_1200130039	constant_power_C_real	1985.61	0.0	992.805	0.0
load	N_1200130039	constant_power_A_reac	652.639	0.0	326.3195	0.0
load	N_1200130039	constant_power_B_reac	652.639	0.0	326.3195	0.0
load	N_1200130039	constant_power_C_reac	652.639	0.0	326.3195	0.0
load	N_1200107651	constant_power_A	29333.3	18179.2	14666.65	9089.6
load	N_1200107651	constant_power_B	29333.3	18179.2	14666.65	9089.6
load	N_1200107651	constant_power_C	29333.3	18179.2	14666.65	9089.6
load	N_1200107651	constant_power_A_real	29333.3	0.0	14666.65	0.0
load	N_1200107651	constant_power_B_real	29333.3	0.0	14666.65	0.0
load	N_1200107651	constant_power_C_real	29333.3	0.0	14666.65	0.0
load	N_1200107651	constant_power_A_reac	18179.2	0.0	9089.6	0.0
load	N_1200107651	constant_power_B_reac	18179.2	0.0	9089.6	0.0
load	N_1200107651	constant_power_C_reac	18179.2	0.0	9089.6	0.0
load	N_1200159261	constant_power_A	2737.01	923.809	1368.505	461.9045
load	N_1200159261	constant_power_B	2737.01	923.809	1368.505	461.9045
load	N_1200159261	constant_power_C	2737.01	923.809	1368.505	461.9045
load	N_1200159261	constant_power_A_real	2737.01	0.0	1368.505	0.0
load	N_1200159261	constant_power_B_real	2737.01	0.0	1368.505	0.0
load	N_1200159261	constant_power_C_real	2737.01	0.0	1368.505	0.0
load	N_1200159261	constant_power_A_reac	923.809	0.0	461.9045	0.0
load	N_1200159261	constant_power_B_reac	923.809	0.0	461.9045	0.0
load	N_1200159261	constant_power_C_reac	923.809	0.0	461.9045	0.0
load	N_1200130034	constant_power_A	1045.56	343.66	522.78	171.83
load	N_1200130034	constant_power_B	1045.56	343.66	522.78	171.83
load	N_1200130034	constant_power_C	1045.56	343.66	522.78	171.83
load	N_1200130034	constant_power_A_real	1045.56	0.0	522.78	0.0
load	N_1200130034	constant_power_B_real	1045.56	0.0	522.78	0.0
load	N_1200130034	constant_power_C_real	1045.56	0.0	522.78	0.0
load	N_1200130034	constant_power_A_reac	343.66	0.0	171.83	0.0
load	N_1200130034	constant_power_B_reac	343.66	0.0	171.83	0.0
load	N_1200130034	constant_power_C_reac	343.66	0.0	171.83	0.0
load	N_1200130037	constant_power_A	2455.64	807.129	1227.82	403.5645
load	N_1200130037	constant_power_B	2455.64	807.129	1227.82	403.5645
load	N_1200130037	constant_power_C	2455.64	807.129	1227.82	403.5645
load	N_1200130037	constant_power_A_real	2455.64	0.0	1227.82	0.0
load	N_1200130037	constant_power_B_real	2455.64	0.0	1227.82	0.0
load	N_1200130037	constant_power_C_real	2455.64	0.0	1227.82	0.0
load	N_1200130037	constant_power_A_reac	807.129	0.0	403.5645	0.0
load	N_1200130037	constant_power_B_reac	807.129	0.0	403.5645	0.0
load	N_1200130037	constant_power_C_reac	807.129	0.0	403.5645	0.0
load	N_1200130036	constant_power_A	1141.49	707.43	570.745	353.715
load	N_1200130036	constant_power_B	1141.49	707.43	570.745	353.715
load	N_1200130036	constant_power_C	1141.49	707.43	570.745	353.715
load	N_1200130036	constant_power_A_real	1141.49	0.0	570.745	0.0
load	N_1200130036	constant_power_B_real	1141.49	0.0	570.745	0.0
load	N_1200130036	constant_power_C_real	1141.49	0.0	570.745	0.0
load	N_1200130036	constant_power_A_reac	707.43	0.0	353.715	0.0
load	N_1200130036	constant_power_B_reac	707.43	0.0	353.715	0.0
load	N_1200130036	constant_power_C_reac	707.43	0.0	353.715	0.0
load	N_1200159264	constant_power_A	38.3693	23.7792	19.18465	11.8896
load	N_1200159264	constant_power_B	38.3693	23.7792	19.18465	11.8896
load	N_1200159264	constant_power_C	38.3693	23.7792	19.18465	11.8896
load	N_1200159264	constant_power_A_real	38.3693	0.0	19.18465	0.0
load	N_1200159264	constant_power_B_real	38.3693	0.0	19.18465	0.0
load	N_1200159264	constant_power_C_real	38.3693	0.0	19.18465	0.0
load	N_1200159264	constant_power_A_reac	23.7792	0.0	11.8896	0.0
load	N_1200159264	constant_power_B_reac	23.7792	0.0	11.8896	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159264	constant_power_C_reac	23.7792	0.0	11.8896	0.0
load	N_1200159267	constant_power_A	1058.35	347.864	529.175	173.932
load	N_1200159267	constant_power_B	1058.35	347.864	529.175	173.932
load	N_1200159267	constant_power_C	1058.35	347.864	529.175	173.932
load	N_1200159267	constant_power_A_real	1058.35	0.0	529.175	0.0
load	N_1200159267	constant_power_B_real	1058.35	0.0	529.175	0.0
load	N_1200159267	constant_power_C_real	1058.35	0.0	529.175	0.0
load	N_1200159267	constant_power_A_reac	347.864	0.0	173.932	0.0
load	N_1200159267	constant_power_B_reac	347.864	0.0	173.932	0.0
load	N_1200159267	constant_power_C_reac	347.864	0.0	173.932	0.0
load	N_1200159266	constant_power_A	118.305	38.8851	59.1525	19.44255
load	N_1200159266	constant_power_B	118.305	38.8851	59.1525	19.44255
load	N_1200159266	constant_power_C	118.305	38.8851	59.1525	19.44255
load	N_1200159266	constant_power_A_real	118.305	0.0	59.1525	0.0
load	N_1200159266	constant_power_B_real	118.305	0.0	59.1525	0.0
load	N_1200159266	constant_power_C_real	118.305	0.0	59.1525	0.0
load	N_1200159266	constant_power_A_reac	38.8851	0.0	19.44255	0.0
load	N_1200159266	constant_power_B_reac	38.8851	0.0	19.44255	0.0
load	N_1200159266	constant_power_C_reac	38.8851	0.0	19.44255	0.0
load	N_1200130134	constant_power_A	633.094	208.088	316.547	104.044
load	N_1200130134	constant_power_B	633.094	208.088	316.547	104.044
load	N_1200130134	constant_power_A_real	633.094	0.0	316.547	0.0
load	N_1200130134	constant_power_B_real	633.094	0.0	316.547	0.0
load	N_1200130134	constant_power_A_reac	208.088	0.0	104.044	0.0
load	N_1200130134	constant_power_B_reac	208.088	0.0	104.044	0.0
load	N_1200159501	constant_power_A	495.604	307.148	247.802	153.574
load	N_1200159501	constant_power_B	495.604	307.148	247.802	153.574
load	N_1200159501	constant_power_C	495.604	307.148	247.802	153.574
load	N_1200159501	constant_power_A_real	495.604	0.0	247.802	0.0
load	N_1200159501	constant_power_B_real	495.604	0.0	247.802	0.0
load	N_1200159501	constant_power_C_real	495.604	0.0	247.802	0.0
load	N_1200159501	constant_power_A_reac	307.148	0.0	153.574	0.0
load	N_1200159501	constant_power_B_reac	307.148	0.0	153.574	0.0
load	N_1200159501	constant_power_C_reac	307.148	0.0	153.574	0.0
load	N_1200159502	constant_power_A	1806.56	1000.48	903.28	500.24
load	N_1200159502	constant_power_B	1806.56	1000.48	903.28	500.24
load	N_1200159502	constant_power_C	1806.56	1000.48	903.28	500.24
load	N_1200159502	constant_power_A_real	1806.56	0.0	903.28	0.0
load	N_1200159502	constant_power_B_real	1806.56	0.0	903.28	0.0
load	N_1200159502	constant_power_C_real	1806.56	0.0	903.28	0.0
load	N_1200159502	constant_power_A_reac	1000.48	0.0	500.24	0.0
load	N_1200159502	constant_power_B_reac	1000.48	0.0	500.24	0.0
load	N_1200159502	constant_power_C_reac	1000.48	0.0	500.24	0.0
load	N_1200130137	constant_power_A	1083.93	356.272	541.965	178.136
load	N_1200130137	constant_power_B	1083.93	356.272	541.965	178.136
load	N_1200130137	constant_power_C	1083.93	356.272	541.965	178.136
load	N_1200130137	constant_power_A_real	1083.93	0.0	541.965	0.0
load	N_1200130137	constant_power_B_real	1083.93	0.0	541.965	0.0
load	N_1200130137	constant_power_C_real	1083.93	0.0	541.965	0.0
load	N_1200130137	constant_power_A_reac	356.272	0.0	178.136	0.0
load	N_1200130137	constant_power_B_reac	356.272	0.0	178.136	0.0
load	N_1200130137	constant_power_C_reac	356.272	0.0	178.136	0.0
load	N_1200160207	constant_power_A	163.07	53.5984	81.535	26.7992
load	N_1200160207	constant_power_B	163.07	53.5984	81.535	26.7992
load	N_1200160207	constant_power_C	163.07	53.5984	81.535	26.7992
load	N_1200160207	constant_power_A_real	163.07	0.0	81.535	0.0
load	N_1200160207	constant_power_B_real	163.07	0.0	81.535	0.0
load	N_1200160207	constant_power_C_real	163.07	0.0	81.535	0.0
load	N_1200160207	constant_power_A_reac	53.5984	0.0	26.7992	0.0
load	N_1200160207	constant_power_B_reac	53.5984	0.0	26.7992	0.0
load	N_1200160207	constant_power_C_reac	53.5984	0.0	26.7992	0.0
load	N_1200160206	constant_power_A	1458.03	502.499	729.015	251.2495
load	N_1200160206	constant_power_B	1458.03	502.499	729.015	251.2495

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160206	constant_power_C	1458.03	502.499	729.015	251.2495
load	N_1200160206	constant_power_A_real	1458.03	0.0	729.015	0.0
load	N_1200160206	constant_power_B_real	1458.03	0.0	729.015	0.0
load	N_1200160206	constant_power_C_real	1458.03	0.0	729.015	0.0
load	N_1200160206	constant_power_A_reac	502.499	0.0	251.2495	0.0
load	N_1200160206	constant_power_B_reac	502.499	0.0	251.2495	0.0
load	N_1200160206	constant_power_C_reac	502.499	0.0	251.2495	0.0
load	N_1200159507	constant_power_A	412.47	135.572	206.235	67.786
load	N_1200159507	constant_power_B	412.47	135.572	206.235	67.786
load	N_1200159507	constant_power_C	412.47	135.572	206.235	67.786
load	N_1200159507	constant_power_A_real	412.47	0.0	206.235	0.0
load	N_1200159507	constant_power_B_real	412.47	0.0	206.235	0.0
load	N_1200159507	constant_power_C_real	412.47	0.0	206.235	0.0
load	N_1200159507	constant_power_A_reac	135.572	0.0	67.786	0.0
load	N_1200159507	constant_power_B_reac	135.572	0.0	67.786	0.0
load	N_1200159507	constant_power_C_reac	135.572	0.0	67.786	0.0
load	N_1200159508	constant_power_A	1004.0	465.873	502.0	232.9365
load	N_1200159508	constant_power_B	1004.0	465.873	502.0	232.9365
load	N_1200159508	constant_power_C	1004.0	465.873	502.0	232.9365
load	N_1200159508	constant_power_A_real	1004.0	0.0	502.0	0.0
load	N_1200159508	constant_power_B_real	1004.0	0.0	502.0	0.0
load	N_1200159508	constant_power_C_real	1004.0	0.0	502.0	0.0
load	N_1200159508	constant_power_A_reac	465.873	0.0	232.9365	0.0
load	N_1200159508	constant_power_B_reac	465.873	0.0	232.9365	0.0
load	N_1200159508	constant_power_C_reac	465.873	0.0	232.9365	0.0
load	N_1200159509	constant_power_A	745.004	461.712	372.502	230.856
load	N_1200159509	constant_power_B	745.004	461.712	372.502	230.856
load	N_1200159509	constant_power_C	745.004	461.712	372.502	230.856
load	N_1200159509	constant_power_A_real	745.004	0.0	372.502	0.0
load	N_1200159509	constant_power_B_real	745.004	0.0	372.502	0.0
load	N_1200159509	constant_power_C_real	745.004	0.0	372.502	0.0
load	N_1200159509	constant_power_A_reac	461.712	0.0	230.856	0.0
load	N_1200159509	constant_power_B_reac	461.712	0.0	230.856	0.0
load	N_1200159509	constant_power_C_reac	461.712	0.0	230.856	0.0
load	N_1200160209	constant_power_A	757.794	293.746	378.897	146.873
load	N_1200160209	constant_power_B	757.794	293.746	378.897	146.873
load	N_1200160209	constant_power_C	757.794	293.746	378.897	146.873
load	N_1200160209	constant_power_A_real	757.794	0.0	378.897	0.0
load	N_1200160209	constant_power_B_real	757.794	0.0	378.897	0.0
load	N_1200160209	constant_power_C_real	757.794	0.0	378.897	0.0
load	N_1200160209	constant_power_A_reac	293.746	0.0	146.873	0.0
load	N_1200160209	constant_power_B_reac	293.746	0.0	146.873	0.0
load	N_1200160209	constant_power_C_reac	293.746	0.0	146.873	0.0
load	N_1200159349	constant_power_A	647.482	212.817	323.741	106.4085
load	N_1200159349	constant_power_B	647.482	212.817	323.741	106.4085
load	N_1200159349	constant_power_A_real	647.482	0.0	323.741	0.0
load	N_1200159349	constant_power_B_real	647.482	0.0	323.741	0.0
load	N_1200159349	constant_power_A_reac	212.817	0.0	106.4085	0.0
load	N_1200159349	constant_power_B_reac	212.817	0.0	106.4085	0.0
load	N_1200159551	constant_power_A	1880.1	749.179	940.05	374.5895
load	N_1200159551	constant_power_B	1880.1	749.179	940.05	374.5895
load	N_1200159551	constant_power_C	1880.1	749.179	940.05	374.5895
load	N_1200159551	constant_power_A_real	1880.1	0.0	940.05	0.0
load	N_1200159551	constant_power_B_real	1880.1	0.0	940.05	0.0
load	N_1200159551	constant_power_C_real	1880.1	0.0	940.05	0.0
load	N_1200159551	constant_power_A_reac	749.179	0.0	374.5895	0.0
load	N_1200159551	constant_power_B_reac	749.179	0.0	374.5895	0.0
load	N_1200159551	constant_power_C_reac	749.179	0.0	374.5895	0.0
load	N_1200067090	constant_power_A	666.667	413.163	333.3335	206.5815
load	N_1200067090	constant_power_B	666.667	413.163	333.3335	206.5815
load	N_1200067090	constant_power_C	666.667	413.163	333.3335	206.5815
load	N_1200067090	constant_power_A_real	666.667	0.0	333.3335	0.0
load	N_1200067090	constant_power_B_real	666.667	0.0	333.3335	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200067090	constant_power_C_real	666.667	0.0	333.3335	0.0
load	N_1200067090	constant_power_A_reac	413.163	0.0	206.5815	0.0
load	N_1200067090	constant_power_B_reac	413.163	0.0	206.5815	0.0
load	N_1200067090	constant_power_C_reac	413.163	0.0	206.5815	0.0
load	N_1200130031	constant_power_A	6510.0	3625.98	3255.0	1812.99
load	N_1200130031	constant_power_B	6510.0	3625.98	3255.0	1812.99
load	N_1200130031	constant_power_C	6510.0	3625.98	3255.0	1812.99
load	N_1200130031	constant_power_A_real	6510.0	0.0	3255.0	0.0
load	N_1200130031	constant_power_B_real	6510.0	0.0	3255.0	0.0
load	N_1200130031	constant_power_C_real	6510.0	0.0	3255.0	0.0
load	N_1200130031	constant_power_A_reac	3625.98	0.0	1812.99	0.0
load	N_1200130031	constant_power_B_reac	3625.98	0.0	1812.99	0.0
load	N_1200130031	constant_power_C_reac	3625.98	0.0	1812.99	0.0
load	N_1200504364	constant_power_A	927.259	304.775	463.6295	152.3875
load	N_1200504364	constant_power_B	927.259	304.775	463.6295	152.3875
load	N_1200504364	constant_power_C	927.259	304.775	463.6295	152.3875
load	N_1200504364	constant_power_A_real	927.259	0.0	463.6295	0.0
load	N_1200504364	constant_power_B_real	927.259	0.0	463.6295	0.0
load	N_1200504364	constant_power_C_real	927.259	0.0	463.6295	0.0
load	N_1200504364	constant_power_A_reac	304.775	0.0	152.3875	0.0
load	N_1200504364	constant_power_B_reac	304.775	0.0	152.3875	0.0
load	N_1200504364	constant_power_C_reac	304.775	0.0	152.3875	0.0
load	N_1200174559	constant_power_A	33084.0	10900.7	16542.0	5450.35
load	N_1200174559	constant_power_B	33084.0	10900.7	16542.0	5450.35
load	N_1200174559	constant_power_A_real	33084.0	0.0	16542.0	0.0
load	N_1200174559	constant_power_B_real	33084.0	0.0	16542.0	0.0
load	N_1200174559	constant_power_A_reac	10900.7	0.0	5450.35	0.0
load	N_1200174559	constant_power_B_reac	10900.7	0.0	5450.35	0.0
load	N_1200130030	constant_power_A	5055.16	2807.18	2527.58	1403.59
load	N_1200130030	constant_power_B	5055.16	2807.18	2527.58	1403.59
load	N_1200130030	constant_power_C	5055.16	2807.18	2527.58	1403.59
load	N_1200130030	constant_power_A_real	5055.16	0.0	2527.58	0.0
load	N_1200130030	constant_power_B_real	5055.16	0.0	2527.58	0.0
load	N_1200130030	constant_power_C_real	5055.16	0.0	2527.58	0.0
load	N_1200130030	constant_power_A_reac	2807.18	0.0	1403.59	0.0
load	N_1200130030	constant_power_B_reac	2807.18	0.0	1403.59	0.0
load	N_1200130030	constant_power_C_reac	2807.18	0.0	1403.59	0.0
load	N_1200085722	constant_power_A	1117.51	367.307	558.755	183.6535
load	N_1200085722	constant_power_B	1117.51	367.307	558.755	183.6535
load	N_1200085722	constant_power_A_real	1117.51	0.0	558.755	0.0
load	N_1200085722	constant_power_B_real	1117.51	0.0	558.755	0.0
load	N_1200085722	constant_power_A_reac	367.307	0.0	183.6535	0.0
load	N_1200085722	constant_power_B_reac	367.307	0.0	183.6535	0.0
load	N_1200081965	constant_power_A	920.864	302.673	460.432	151.3365
load	N_1200081965	constant_power_B	920.864	302.673	460.432	151.3365
load	N_1200081965	constant_power_A_real	920.864	0.0	460.432	0.0
load	N_1200081965	constant_power_B_real	920.864	0.0	460.432	0.0
load	N_1200081965	constant_power_A_reac	302.673	0.0	151.3365	0.0
load	N_1200081965	constant_power_B_reac	302.673	0.0	151.3365	0.0
load	N_1200130033	constant_power_A	7584.34	2721.79	3792.17	1360.895
load	N_1200130033	constant_power_B	7584.34	2721.79	3792.17	1360.895
load	N_1200130033	constant_power_C	7584.34	2721.79	3792.17	1360.895
load	N_1200130033	constant_power_A_real	7584.34	0.0	3792.17	0.0
load	N_1200130033	constant_power_B_real	7584.34	0.0	3792.17	0.0
load	N_1200130033	constant_power_C_real	7584.34	0.0	3792.17	0.0
load	N_1200130033	constant_power_A_reac	2721.79	0.0	1360.895	0.0
load	N_1200130033	constant_power_B_reac	2721.79	0.0	1360.895	0.0
load	N_1200130033	constant_power_C_reac	2721.79	0.0	1360.895	0.0
load	N_1200081962	constant_power_A	351.719	115.604	175.8595	57.802
load	N_1200081962	constant_power_B	351.719	115.604	175.8595	57.802
load	N_1200081962	constant_power_C	351.719	115.604	175.8595	57.802
load	N_1200081962	constant_power_A_real	351.719	0.0	175.8595	0.0
load	N_1200081962	constant_power_B_real	351.719	0.0	175.8595	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200081962	constant_power_C_real	351.719	0.0	175.8595	0.0
load	N_1200081962	constant_power_A_reac	115.604	0.0	57.802	0.0
load	N_1200081962	constant_power_B_reac	115.604	0.0	57.802	0.0
load	N_1200081962	constant_power_C_reac	115.604	0.0	57.802	0.0
load	N_1200081963	constant_power_A	1675.46	550.697	837.73	275.3485
load	N_1200081963	constant_power_B	1675.46	550.697	837.73	275.3485
load	N_1200081963	constant_power_C	1675.46	550.697	837.73	275.3485
load	N_1200081963	constant_power_A_real	1675.46	0.0	837.73	0.0
load	N_1200081963	constant_power_B_real	1675.46	0.0	837.73	0.0
load	N_1200081963	constant_power_C_real	1675.46	0.0	837.73	0.0
load	N_1200081963	constant_power_A_reac	550.697	0.0	275.3485	0.0
load	N_1200081963	constant_power_B_reac	550.697	0.0	275.3485	0.0
load	N_1200081963	constant_power_C_reac	550.697	0.0	275.3485	0.0
load	N_1200088318	constant_power_A	975.22	391.269	487.61	195.6345
load	N_1200088318	constant_power_B	975.22	391.269	487.61	195.6345
load	N_1200088318	constant_power_C	975.22	391.269	487.61	195.6345
load	N_1200088318	constant_power_A_real	975.22	0.0	487.61	0.0
load	N_1200088318	constant_power_B_real	975.22	0.0	487.61	0.0
load	N_1200088318	constant_power_C_real	975.22	0.0	487.61	0.0
load	N_1200088318	constant_power_A_reac	391.269	0.0	195.6345	0.0
load	N_1200088318	constant_power_B_reac	391.269	0.0	195.6345	0.0
load	N_1200088318	constant_power_C_reac	391.269	0.0	195.6345	0.0
load	N_1200130032	constant_power_A	137.49	85.2086	68.745	42.6043
load	N_1200130032	constant_power_B	137.49	85.2086	68.745	42.6043
load	N_1200130032	constant_power_C	137.49	85.2086	68.745	42.6043
load	N_1200130032	constant_power_A_real	137.49	0.0	68.745	0.0
load	N_1200130032	constant_power_B_real	137.49	0.0	68.745	0.0
load	N_1200130032	constant_power_C_real	137.49	0.0	68.745	0.0
load	N_1200130032	constant_power_A_reac	85.2086	0.0	42.6043	0.0
load	N_1200130032	constant_power_B_reac	85.2086	0.0	42.6043	0.0
load	N_1200130032	constant_power_C_reac	85.2086	0.0	42.6043	0.0
load	N_1200076743	constant_power_A	36000.0	22310.8	18000.0	11155.4
load	N_1200076743	constant_power_B	36000.0	22310.8	18000.0	11155.4
load	N_1200076743	constant_power_A_real	36000.0	0.0	18000.0	0.0
load	N_1200076743	constant_power_B_real	36000.0	0.0	18000.0	0.0
load	N_1200076743	constant_power_A_reac	22310.8	0.0	11155.4	0.0
load	N_1200076743	constant_power_B_reac	22310.8	0.0	11155.4	0.0
load	N_1200030906	constant_power_A	3334.93	1096.14	1667.465	548.07
load	N_1200030906	constant_power_B	3334.93	1096.14	1667.465	548.07
load	N_1200030906	constant_power_C	3334.93	1096.14	1667.465	548.07
load	N_1200030906	constant_power_A_real	3334.93	0.0	1667.465	0.0
load	N_1200030906	constant_power_B_real	3334.93	0.0	1667.465	0.0
load	N_1200030906	constant_power_C_real	3334.93	0.0	1667.465	0.0
load	N_1200030906	constant_power_A_reac	1096.14	0.0	548.07	0.0
load	N_1200030906	constant_power_B_reac	1096.14	0.0	548.07	0.0
load	N_1200030906	constant_power_C_reac	1096.14	0.0	548.07	0.0
load	N_1200063644	constant_power_A	3389.29	2100.49	1694.645	1050.245
load	N_1200063644	constant_power_B	3389.29	2100.49	1694.645	1050.245
load	N_1200063644	constant_power_C	3389.29	2100.49	1694.645	1050.245
load	N_1200063644	constant_power_A_real	3389.29	0.0	1694.645	0.0
load	N_1200063644	constant_power_B_real	3389.29	0.0	1694.645	0.0
load	N_1200063644	constant_power_C_real	3389.29	0.0	1694.645	0.0
load	N_1200063644	constant_power_A_reac	2100.49	0.0	1050.245	0.0
load	N_1200063644	constant_power_B_reac	2100.49	0.0	1050.245	0.0
load	N_1200063644	constant_power_C_reac	2100.49	0.0	1050.245	0.0
load	N_1200063640	constant_power_A	3964.83	1654.96	1982.415	827.48
load	N_1200063640	constant_power_B	3964.83	1654.96	1982.415	827.48
load	N_1200063640	constant_power_C	3964.83	1654.96	1982.415	827.48
load	N_1200063640	constant_power_A_real	3964.83	0.0	1982.415	0.0
load	N_1200063640	constant_power_B_real	3964.83	0.0	1982.415	0.0
load	N_1200063640	constant_power_C_real	3964.83	0.0	1982.415	0.0
load	N_1200063640	constant_power_A_reac	1654.96	0.0	827.48	0.0
load	N_1200063640	constant_power_B_reac	1654.96	0.0	827.48	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200063640	constant_power_C_reac	1654.96	0.0	827.48	0.0
load	N_1200063642	constant_power_A	1051.96	345.762	525.98	172.881
load	N_1200063642	constant_power_B	1051.96	345.762	525.98	172.881
load	N_1200063642	constant_power_C	1051.96	345.762	525.98	172.881
load	N_1200063642	constant_power_A_real	1051.96	0.0	525.98	0.0
load	N_1200063642	constant_power_B_real	1051.96	0.0	525.98	0.0
load	N_1200063642	constant_power_C_real	1051.96	0.0	525.98	0.0
load	N_1200063642	constant_power_A_reac	345.762	0.0	172.881	0.0
load	N_1200063642	constant_power_B_reac	345.762	0.0	172.881	0.0
load	N_1200063642	constant_power_C_reac	345.762	0.0	172.881	0.0
load	N_1200181658	constant_power_A	501.999	311.111	250.9995	155.5555
load	N_1200181658	constant_power_B	501.999	311.111	250.9995	155.5555
load	N_1200181658	constant_power_C	501.999	311.111	250.9995	155.5555
load	N_1200181658	constant_power_A_real	501.999	0.0	250.9995	0.0
load	N_1200181658	constant_power_B_real	501.999	0.0	250.9995	0.0
load	N_1200181658	constant_power_C_real	501.999	0.0	250.9995	0.0
load	N_1200181658	constant_power_A_reac	311.111	0.0	155.5555	0.0
load	N_1200181658	constant_power_B_reac	311.111	0.0	155.5555	0.0
load	N_1200181658	constant_power_C_reac	311.111	0.0	155.5555	0.0
load	N_1200167247	constant_power_A	1761.79	1091.86	880.895	545.93
load	N_1200167247	constant_power_B	1761.79	1091.86	880.895	545.93
load	N_1200167247	constant_power_C	1761.79	1091.86	880.895	545.93
load	N_1200167247	constant_power_A_real	1761.79	0.0	880.895	0.0
load	N_1200167247	constant_power_B_real	1761.79	0.0	880.895	0.0
load	N_1200167247	constant_power_C_real	1761.79	0.0	880.895	0.0
load	N_1200167247	constant_power_A_reac	1091.86	0.0	545.93	0.0
load	N_1200167247	constant_power_B_reac	1091.86	0.0	545.93	0.0
load	N_1200167247	constant_power_C_reac	1091.86	0.0	545.93	0.0
load	N_1200057349	constant_power_A	13002.4	4273.68	6501.2	2136.84
load	N_1200057349	constant_power_B	13002.4	4273.68	6501.2	2136.84
load	N_1200057349	constant_power_A_real	13002.4	0.0	6501.2	0.0
load	N_1200057349	constant_power_B_real	13002.4	0.0	6501.2	0.0
load	N_1200057349	constant_power_A_reac	4273.68	0.0	2136.84	0.0
load	N_1200057349	constant_power_B_reac	4273.68	0.0	2136.84	0.0
load	N_1200159503	constant_power_A	1541.17	506.557	770.585	253.2785
load	N_1200159503	constant_power_B	1541.17	506.557	770.585	253.2785
load	N_1200159503	constant_power_C	1541.17	506.557	770.585	253.2785
load	N_1200159503	constant_power_A_real	1541.17	0.0	770.585	0.0
load	N_1200159503	constant_power_B_real	1541.17	0.0	770.585	0.0
load	N_1200159503	constant_power_C_real	1541.17	0.0	770.585	0.0
load	N_1200159503	constant_power_A_reac	506.557	0.0	253.2785	0.0
load	N_1200159503	constant_power_B_reac	506.557	0.0	253.2785	0.0
load	N_1200159503	constant_power_C_reac	506.557	0.0	253.2785	0.0
load	N_1200129920	constant_power_A	11098.3	5795.78	5549.15	2897.89
load	N_1200129920	constant_power_B	11098.3	5795.78	5549.15	2897.89
load	N_1200129920	constant_power_C	11098.3	5795.78	5549.15	2897.89
load	N_1200129920	constant_power_A_real	11098.3	0.0	5549.15	0.0
load	N_1200129920	constant_power_B_real	11098.3	0.0	5549.15	0.0
load	N_1200129920	constant_power_C_real	11098.3	0.0	5549.15	0.0
load	N_1200129920	constant_power_A_reac	5795.78	0.0	2897.89	0.0
load	N_1200129920	constant_power_B_reac	5795.78	0.0	2897.89	0.0
load	N_1200129920	constant_power_C_reac	5795.78	0.0	2897.89	0.0
load	N_1200159504	constant_power_A	1262.99	566.821	631.495	283.4105
load	N_1200159504	constant_power_B	1262.99	566.821	631.495	283.4105
load	N_1200159504	constant_power_C	1262.99	566.821	631.495	283.4105
load	N_1200159504	constant_power_A_real	1262.99	0.0	631.495	0.0
load	N_1200159504	constant_power_B_real	1262.99	0.0	631.495	0.0
load	N_1200159504	constant_power_C_real	1262.99	0.0	631.495	0.0
load	N_1200159504	constant_power_A_reac	566.821	0.0	283.4105	0.0
load	N_1200159504	constant_power_B_reac	566.821	0.0	283.4105	0.0
load	N_1200159504	constant_power_C_reac	566.821	0.0	283.4105	0.0
load	N_1200160335	constant_power_A	3558.76	1363.28	1779.38	681.64
load	N_1200160335	constant_power_B	3558.76	1363.28	1779.38	681.64

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160335	constant_power_C	3558.76	1363.28	1779.38	681.64
load	N_1200160335	constant_power_A_real	3558.76	0.0	1779.38	0.0
load	N_1200160335	constant_power_B_real	3558.76	0.0	1779.38	0.0
load	N_1200160335	constant_power_C_real	3558.76	0.0	1779.38	0.0
load	N_1200160335	constant_power_A_reac	1363.28	0.0	681.64	0.0
load	N_1200160335	constant_power_B_reac	1363.28	0.0	681.64	0.0
load	N_1200160335	constant_power_C_reac	1363.28	0.0	681.64	0.0
load	N_1200166620	constant_power_A	3354.12	1102.45	1677.06	551.225
load	N_1200166620	constant_power_B	3354.12	1102.45	1677.06	551.225
load	N_1200166620	constant_power_C	3354.12	1102.45	1677.06	551.225
load	N_1200166620	constant_power_A_real	3354.12	0.0	1677.06	0.0
load	N_1200166620	constant_power_B_real	3354.12	0.0	1677.06	0.0
load	N_1200166620	constant_power_C_real	3354.12	0.0	1677.06	0.0
load	N_1200166620	constant_power_A_reac	1102.45	0.0	551.225	0.0
load	N_1200166620	constant_power_B_reac	1102.45	0.0	551.225	0.0
load	N_1200166620	constant_power_C_reac	1102.45	0.0	551.225	0.0
load	N_1200057347	constant_power_A	17736.2	5829.61	8868.1	2914.805
load	N_1200057347	constant_power_B	17736.2	5829.61	8868.1	2914.805
load	N_1200057347	constant_power_A_real	17736.2	0.0	8868.1	0.0
load	N_1200057347	constant_power_B_real	17736.2	0.0	8868.1	0.0
load	N_1200057347	constant_power_A_reac	5829.61	0.0	2914.805	0.0
load	N_1200057347	constant_power_B_reac	5829.61	0.0	2914.805	0.0
load	N_1200160331	constant_power_A	1202.24	458.441	601.12	229.2205
load	N_1200160331	constant_power_B	1202.24	458.441	601.12	229.2205
load	N_1200160331	constant_power_C	1202.24	458.441	601.12	229.2205
load	N_1200160331	constant_power_A_real	1202.24	0.0	601.12	0.0
load	N_1200160331	constant_power_B_real	1202.24	0.0	601.12	0.0
load	N_1200160331	constant_power_C_real	1202.24	0.0	601.12	0.0
load	N_1200160331	constant_power_A_reac	458.441	0.0	229.2205	0.0
load	N_1200160331	constant_power_B_reac	458.441	0.0	229.2205	0.0
load	N_1200160331	constant_power_C_reac	458.441	0.0	229.2205	0.0
load	N_1200160330	constant_power_A	3405.28	1119.26	1702.64	559.63
load	N_1200160330	constant_power_B	3405.28	1119.26	1702.64	559.63
load	N_1200160330	constant_power_C	3405.28	1119.26	1702.64	559.63
load	N_1200160330	constant_power_A_real	3405.28	0.0	1702.64	0.0
load	N_1200160330	constant_power_B_real	3405.28	0.0	1702.64	0.0
load	N_1200160330	constant_power_C_real	3405.28	0.0	1702.64	0.0
load	N_1200160330	constant_power_A_reac	1119.26	0.0	559.63	0.0
load	N_1200160330	constant_power_B_reac	1119.26	0.0	559.63	0.0
load	N_1200160330	constant_power_C_reac	1119.26	0.0	559.63	0.0
load	N_1200130066	constant_power_A	2065.55	844.568	1032.775	422.284
load	N_1200130066	constant_power_B	2065.55	844.568	1032.775	422.284
load	N_1200130066	constant_power_C	2065.55	844.568	1032.775	422.284
load	N_1200130066	constant_power_A_real	2065.55	0.0	1032.775	0.0
load	N_1200130066	constant_power_B_real	2065.55	0.0	1032.775	0.0
load	N_1200130066	constant_power_C_real	2065.55	0.0	1032.775	0.0
load	N_1200130066	constant_power_A_reac	844.568	0.0	422.284	0.0
load	N_1200130066	constant_power_B_reac	844.568	0.0	422.284	0.0
load	N_1200130066	constant_power_C_reac	844.568	0.0	422.284	0.0
load	N_1200166584	constant_power_A	79.936	49.5399	39.968	24.76995
load	N_1200166584	constant_power_B	79.936	49.5399	39.968	24.76995
load	N_1200166584	constant_power_C	79.936	49.5399	39.968	24.76995
load	N_1200166584	constant_power_A_real	79.936	0.0	39.968	0.0
load	N_1200166584	constant_power_B_real	79.936	0.0	39.968	0.0
load	N_1200166584	constant_power_C_real	79.936	0.0	39.968	0.0
load	N_1200166584	constant_power_A_reac	49.5399	0.0	24.76995	0.0
load	N_1200166584	constant_power_B_reac	49.5399	0.0	24.76995	0.0
load	N_1200166584	constant_power_C_reac	49.5399	0.0	24.76995	0.0
load	N_1200129847	constant_power_A	2820.15	1231.26	1410.075	615.63
load	N_1200129847	constant_power_B	2820.15	1231.26	1410.075	615.63
load	N_1200129847	constant_power_C	2820.15	1231.26	1410.075	615.63
load	N_1200129847	constant_power_A_real	2820.15	0.0	1410.075	0.0
load	N_1200129847	constant_power_B_real	2820.15	0.0	1410.075	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200129847	constant_power_C_real	2820.15	0.0	1410.075	0.0
load	N_1200129847	constant_power_A_reac	1231.26	0.0	615.63	0.0
load	N_1200129847	constant_power_B_reac	1231.26	0.0	615.63	0.0
load	N_1200129847	constant_power_C_reac	1231.26	0.0	615.63	0.0
load	N_1200105643	constant_power_A	2113.51	1309.84	1056.755	654.92
load	N_1200105643	constant_power_B	2113.51	1309.84	1056.755	654.92
load	N_1200105643	constant_power_C	2113.51	1309.84	1056.755	654.92
load	N_1200105643	constant_power_A_real	2113.51	0.0	1056.755	0.0
load	N_1200105643	constant_power_B_real	2113.51	0.0	1056.755	0.0
load	N_1200105643	constant_power_C_real	2113.51	0.0	1056.755	0.0
load	N_1200105643	constant_power_A_reac	1309.84	0.0	654.92	0.0
load	N_1200105643	constant_power_B_reac	1309.84	0.0	654.92	0.0
load	N_1200105643	constant_power_C_reac	1309.84	0.0	654.92	0.0
load	N_1200054898	constant_power_A	3760.19	2330.36	1880.095	1165.18
load	N_1200054898	constant_power_B	3760.19	2330.36	1880.095	1165.18
load	N_1200054898	constant_power_C	3760.19	2330.36	1880.095	1165.18
load	N_1200054898	constant_power_A_real	3760.19	0.0	1880.095	0.0
load	N_1200054898	constant_power_B_real	3760.19	0.0	1880.095	0.0
load	N_1200054898	constant_power_C_real	3760.19	0.0	1880.095	0.0
load	N_1200054898	constant_power_A_reac	2330.36	0.0	1165.18	0.0
load	N_1200054898	constant_power_B_reac	2330.36	0.0	1165.18	0.0
load	N_1200054898	constant_power_C_reac	2330.36	0.0	1165.18	0.0
load	N_1200054899	constant_power_A	3101.52	1922.15	1550.76	961.075
load	N_1200054899	constant_power_B	3101.52	1922.15	1550.76	961.075
load	N_1200054899	constant_power_C	3101.52	1922.15	1550.76	961.075
load	N_1200054899	constant_power_A_real	3101.52	0.0	1550.76	0.0
load	N_1200054899	constant_power_B_real	3101.52	0.0	1550.76	0.0
load	N_1200054899	constant_power_C_real	3101.52	0.0	1550.76	0.0
load	N_1200054899	constant_power_A_reac	1922.15	0.0	961.075	0.0
load	N_1200054899	constant_power_B_reac	1922.15	0.0	961.075	0.0
load	N_1200054899	constant_power_C_reac	1922.15	0.0	961.075	0.0
load	N_1200159430	constant_power_A	994.405	365.002	497.2025	182.501
load	N_1200159430	constant_power_B	994.405	365.002	497.2025	182.501
load	N_1200159430	constant_power_C	994.405	365.002	497.2025	182.501
load	N_1200159430	constant_power_A_real	994.405	0.0	497.2025	0.0
load	N_1200159430	constant_power_B_real	994.405	0.0	497.2025	0.0
load	N_1200159430	constant_power_C_real	994.405	0.0	497.2025	0.0
load	N_1200159430	constant_power_A_reac	365.002	0.0	182.501	0.0
load	N_1200159430	constant_power_B_reac	365.002	0.0	182.501	0.0
load	N_1200159430	constant_power_C_reac	365.002	0.0	182.501	0.0
load	N_1200129845	constant_power_A	1122.3	368.883	561.15	184.4415
load	N_1200129845	constant_power_B	1122.3	368.883	561.15	184.4415
load	N_1200129845	constant_power_A_real	1122.3	0.0	561.15	0.0
load	N_1200129845	constant_power_B_real	1122.3	0.0	561.15	0.0
load	N_1200129845	constant_power_A_reac	368.883	0.0	184.4415	0.0
load	N_1200129845	constant_power_B_reac	368.883	0.0	184.4415	0.0
load	N_1200071694	constant_power_A	66666.7	41316.3	33333.35	20658.15
load	N_1200071694	constant_power_B	66666.7	41316.3	33333.35	20658.15
load	N_1200071694	constant_power_C	66666.7	41316.3	33333.35	20658.15
load	N_1200071694	constant_power_A_real	66666.7	0.0	33333.35	0.0
load	N_1200071694	constant_power_B_real	66666.7	0.0	33333.35	0.0
load	N_1200071694	constant_power_C_real	66666.7	0.0	33333.35	0.0
load	N_1200071694	constant_power_A_reac	41316.3	0.0	20658.15	0.0
load	N_1200071694	constant_power_B_reac	41316.3	0.0	20658.15	0.0
load	N_1200071694	constant_power_C_reac	41316.3	0.0	20658.15	0.0
load	N_1200105131	constant_power_A	1275.78	790.657	637.89	395.3285
load	N_1200105131	constant_power_B	1275.78	790.657	637.89	395.3285
load	N_1200105131	constant_power_C	1275.78	790.657	637.89	395.3285
load	N_1200105131	constant_power_A_real	1275.78	0.0	637.89	0.0
load	N_1200105131	constant_power_B_real	1275.78	0.0	637.89	0.0
load	N_1200105131	constant_power_C_real	1275.78	0.0	637.89	0.0
load	N_1200105131	constant_power_A_reac	790.657	0.0	395.3285	0.0
load	N_1200105131	constant_power_B_reac	790.657	0.0	395.3285	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200105131	constant_power_C_reac	790.657	0.0	395.3285	0.0
load	N_1200129842	constant_power_A	268.585	88.2797	134.2925	44.13985
load	N_1200129842	constant_power_B	268.585	88.2797	134.2925	44.13985
load	N_1200129842	constant_power_C	268.585	88.2797	134.2925	44.13985
load	N_1200129842	constant_power_A_real	268.585	0.0	134.2925	0.0
load	N_1200129842	constant_power_B_real	268.585	0.0	134.2925	0.0
load	N_1200129842	constant_power_C_real	268.585	0.0	134.2925	0.0
load	N_1200129842	constant_power_A_reac	88.2797	0.0	44.13985	0.0
load	N_1200129842	constant_power_B_reac	88.2797	0.0	44.13985	0.0
load	N_1200129842	constant_power_C_reac	88.2797	0.0	44.13985	0.0
load	N_1200160143	constant_power_A	3002.4	986.841	1501.2	493.4205
load	N_1200160143	constant_power_B	3002.4	986.841	1501.2	493.4205
load	N_1200160143	constant_power_C	3002.4	986.841	1501.2	493.4205
load	N_1200160143	constant_power_A_real	3002.4	0.0	1501.2	0.0
load	N_1200160143	constant_power_B_real	3002.4	0.0	1501.2	0.0
load	N_1200160143	constant_power_C_real	3002.4	0.0	1501.2	0.0
load	N_1200160143	constant_power_A_reac	986.841	0.0	493.4205	0.0
load	N_1200160143	constant_power_B_reac	986.841	0.0	493.4205	0.0
load	N_1200160143	constant_power_C_reac	986.841	0.0	493.4205	0.0
load	N_1200159465	constant_power_A	3592.33	1180.74	1796.165	590.37
load	N_1200159465	constant_power_B	3592.33	1180.74	1796.165	590.37
load	N_1200159465	constant_power_A_real	3592.33	0.0	1796.165	0.0
load	N_1200159465	constant_power_B_real	3592.33	0.0	1796.165	0.0
load	N_1200159465	constant_power_A_reac	1180.74	0.0	590.37	0.0
load	N_1200159465	constant_power_B_reac	1180.74	0.0	590.37	0.0
load	N_1200159530	constant_power_A	4892.09	1607.95	2446.045	803.975
load	N_1200159530	constant_power_B	4892.09	1607.95	2446.045	803.975
load	N_1200159530	constant_power_A_real	4892.09	0.0	2446.045	0.0
load	N_1200159530	constant_power_B_real	4892.09	0.0	2446.045	0.0
load	N_1200159530	constant_power_A_reac	1607.95	0.0	803.975	0.0
load	N_1200159530	constant_power_B_reac	1607.95	0.0	803.975	0.0
load	N_1200160278	constant_power_A	1112.71	365.73	556.355	182.865
load	N_1200160278	constant_power_B	1112.71	365.73	556.355	182.865
load	N_1200160278	constant_power_C	1112.71	365.73	556.355	182.865
load	N_1200160278	constant_power_A_real	1112.71	0.0	556.355	0.0
load	N_1200160278	constant_power_B_real	1112.71	0.0	556.355	0.0
load	N_1200160278	constant_power_C_real	1112.71	0.0	556.355	0.0
load	N_1200160278	constant_power_A_reac	365.73	0.0	182.865	0.0
load	N_1200160278	constant_power_B_reac	365.73	0.0	182.865	0.0
load	N_1200160278	constant_power_C_reac	365.73	0.0	182.865	0.0
load	N_1200129879	constant_power_A	4773.78	2445.74	2386.89	1222.87
load	N_1200129879	constant_power_B	4773.78	2445.74	2386.89	1222.87
load	N_1200129879	constant_power_C	4773.78	2445.74	2386.89	1222.87
load	N_1200129879	constant_power_A_real	4773.78	0.0	2386.89	0.0
load	N_1200129879	constant_power_B_real	4773.78	0.0	2386.89	0.0
load	N_1200129879	constant_power_C_real	4773.78	0.0	2386.89	0.0
load	N_1200129879	constant_power_A_reac	2445.74	0.0	1222.87	0.0
load	N_1200129879	constant_power_B_reac	2445.74	0.0	1222.87	0.0
load	N_1200129879	constant_power_C_reac	2445.74	0.0	1222.87	0.0
load	N_1200166422	constant_power_A	1307.75	429.838	653.875	214.919
load	N_1200166422	constant_power_B	1307.75	429.838	653.875	214.919
load	N_1200166422	constant_power_C	1307.75	429.838	653.875	214.919
load	N_1200166422	constant_power_A_real	1307.75	0.0	653.875	0.0
load	N_1200166422	constant_power_B_real	1307.75	0.0	653.875	0.0
load	N_1200166422	constant_power_C_real	1307.75	0.0	653.875	0.0
load	N_1200166422	constant_power_A_reac	429.838	0.0	214.919	0.0
load	N_1200166422	constant_power_B_reac	429.838	0.0	214.919	0.0
load	N_1200166422	constant_power_C_reac	429.838	0.0	214.919	0.0
load	N_1200020594	constant_power_A	2055.96	723.223	1027.98	361.6115
load	N_1200020594	constant_power_B	2055.96	723.223	1027.98	361.6115
load	N_1200020594	constant_power_C	2055.96	723.223	1027.98	361.6115
load	N_1200020594	constant_power_A_real	2055.96	0.0	1027.98	0.0
load	N_1200020594	constant_power_B_real	2055.96	0.0	1027.98	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200020594	constant_power_C_real	2055.96	0.0	1027.98	0.0
load	N_1200020594	constant_power_A_reac	723.223	0.0	361.6115	0.0
load	N_1200020594	constant_power_B_reac	723.223	0.0	361.6115	0.0
load	N_1200020594	constant_power_C_reac	723.223	0.0	361.6115	0.0
load	N_1200109693	constant_power_A	530.776	328.945	265.388	164.4725
load	N_1200109693	constant_power_B	530.776	328.945	265.388	164.4725
load	N_1200109693	constant_power_C	530.776	328.945	265.388	164.4725
load	N_1200109693	constant_power_A_real	530.776	0.0	265.388	0.0
load	N_1200109693	constant_power_B_real	530.776	0.0	265.388	0.0
load	N_1200109693	constant_power_C_real	530.776	0.0	265.388	0.0
load	N_1200109693	constant_power_A_reac	328.945	0.0	164.4725	0.0
load	N_1200109693	constant_power_B_reac	328.945	0.0	164.4725	0.0
load	N_1200109693	constant_power_C_reac	328.945	0.0	164.4725	0.0
load	N_1200020597	constant_power_A	2103.92	691.524	1051.96	345.762
load	N_1200020597	constant_power_B	2103.92	691.524	1051.96	345.762
load	N_1200020597	constant_power_C	2103.92	691.524	1051.96	345.762
load	N_1200020597	constant_power_A_real	2103.92	0.0	1051.96	0.0
load	N_1200020597	constant_power_B_real	2103.92	0.0	1051.96	0.0
load	N_1200020597	constant_power_C_real	2103.92	0.0	1051.96	0.0
load	N_1200020597	constant_power_A_reac	691.524	0.0	345.762	0.0
load	N_1200020597	constant_power_B_reac	691.524	0.0	345.762	0.0
load	N_1200020597	constant_power_C_reac	691.524	0.0	345.762	0.0
load	N_1200139320	constant_power_A	4850.52	1594.29	2425.26	797.145
load	N_1200139320	constant_power_B	4850.52	1594.29	2425.26	797.145
load	N_1200139320	constant_power_C	4850.52	1594.29	2425.26	797.145
load	N_1200139320	constant_power_A_real	4850.52	0.0	2425.26	0.0
load	N_1200139320	constant_power_B_real	4850.52	0.0	2425.26	0.0
load	N_1200139320	constant_power_C_real	4850.52	0.0	2425.26	0.0
load	N_1200139320	constant_power_A_reac	1594.29	0.0	797.145	0.0
load	N_1200139320	constant_power_B_reac	1594.29	0.0	797.145	0.0
load	N_1200139320	constant_power_C_reac	1594.29	0.0	797.145	0.0
load	N_1200139321	constant_power_A	2561.15	841.81	1280.575	420.905
load	N_1200139321	constant_power_B	2561.15	841.81	1280.575	420.905
load	N_1200139321	constant_power_C	2561.15	841.81	1280.575	420.905
load	N_1200139321	constant_power_A_real	2561.15	0.0	1280.575	0.0
load	N_1200139321	constant_power_B_real	2561.15	0.0	1280.575	0.0
load	N_1200139321	constant_power_C_real	2561.15	0.0	1280.575	0.0
load	N_1200139321	constant_power_A_reac	841.81	0.0	420.905	0.0
load	N_1200139321	constant_power_B_reac	841.81	0.0	420.905	0.0
load	N_1200139321	constant_power_C_reac	841.81	0.0	420.905	0.0
load	N_1200129877	constant_power_A	1256.6	413.023	628.3	206.5115
load	N_1200129877	constant_power_B	1256.6	413.023	628.3	206.5115
load	N_1200129877	constant_power_C	1256.6	413.023	628.3	206.5115
load	N_1200129877	constant_power_A_real	1256.6	0.0	628.3	0.0
load	N_1200129877	constant_power_B_real	1256.6	0.0	628.3	0.0
load	N_1200129877	constant_power_C_real	1256.6	0.0	628.3	0.0
load	N_1200129877	constant_power_A_reac	413.023	0.0	206.5115	0.0
load	N_1200129877	constant_power_B_reac	413.023	0.0	206.5115	0.0
load	N_1200129877	constant_power_C_reac	413.023	0.0	206.5115	0.0
load	N_1200129876	constant_power_A	1729.82	568.563	864.91	284.2815
load	N_1200129876	constant_power_B	1729.82	568.563	864.91	284.2815
load	N_1200129876	constant_power_C	1729.82	568.563	864.91	284.2815
load	N_1200129876	constant_power_A_real	1729.82	0.0	864.91	0.0
load	N_1200129876	constant_power_B_real	1729.82	0.0	864.91	0.0
load	N_1200129876	constant_power_C_real	1729.82	0.0	864.91	0.0
load	N_1200129876	constant_power_A_reac	568.563	0.0	284.2815	0.0
load	N_1200129876	constant_power_B_reac	568.563	0.0	284.2815	0.0
load	N_1200129876	constant_power_C_reac	568.563	0.0	284.2815	0.0
load	N_1200109685	constant_power_A	6161.47	2188.97	3080.735	1094.485
load	N_1200109685	constant_power_B	6161.47	2188.97	3080.735	1094.485
load	N_1200109685	constant_power_C	6161.47	2188.97	3080.735	1094.485
load	N_1200109685	constant_power_A_real	6161.47	0.0	3080.735	0.0
load	N_1200109685	constant_power_B_real	6161.47	0.0	3080.735	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200109685	constant_power_C_real	6161.47	0.0	3080.735	0.0
load	N_1200109685	constant_power_A_reac	2188.97	0.0	1094.485	0.0
load	N_1200109685	constant_power_B_reac	2188.97	0.0	1094.485	0.0
load	N_1200109685	constant_power_C_reac	2188.97	0.0	1094.485	0.0
load	N_1200166059	constant_power_A	1278.98	420.38	639.49	210.19
load	N_1200166059	constant_power_B	1278.98	420.38	639.49	210.19
load	N_1200166059	constant_power_C	1278.98	420.38	639.49	210.19
load	N_1200166059	constant_power_A_real	1278.98	0.0	639.49	0.0
load	N_1200166059	constant_power_B_real	1278.98	0.0	639.49	0.0
load	N_1200166059	constant_power_C_real	1278.98	0.0	639.49	0.0
load	N_1200166059	constant_power_A_reac	420.38	0.0	210.19	0.0
load	N_1200166059	constant_power_B_reac	420.38	0.0	210.19	0.0
load	N_1200166059	constant_power_C_reac	420.38	0.0	210.19	0.0
load	N_1200160307	constant_power_A	463.629	152.388	231.8145	76.194
load	N_1200160307	constant_power_B	463.629	152.388	231.8145	76.194
load	N_1200160307	constant_power_C	463.629	152.388	231.8145	76.194
load	N_1200160307	constant_power_A_real	463.629	0.0	231.8145	0.0
load	N_1200160307	constant_power_B_real	463.629	0.0	231.8145	0.0
load	N_1200160307	constant_power_C_real	463.629	0.0	231.8145	0.0
load	N_1200160307	constant_power_A_reac	152.388	0.0	76.194	0.0
load	N_1200160307	constant_power_B_reac	152.388	0.0	76.194	0.0
load	N_1200160307	constant_power_C_reac	152.388	0.0	76.194	0.0
load	N_1200129976	constant_power_A	89.5283	29.4265	44.76415	14.71325
load	N_1200129976	constant_power_B	89.5283	29.4265	44.76415	14.71325
load	N_1200129976	constant_power_C	89.5283	29.4265	44.76415	14.71325
load	N_1200129976	constant_power_A_real	89.5283	0.0	44.76415	0.0
load	N_1200129976	constant_power_B_real	89.5283	0.0	44.76415	0.0
load	N_1200129976	constant_power_C_real	89.5283	0.0	44.76415	0.0
load	N_1200129976	constant_power_A_reac	29.4265	0.0	14.71325	0.0
load	N_1200129976	constant_power_B_reac	29.4265	0.0	14.71325	0.0
load	N_1200129976	constant_power_C_reac	29.4265	0.0	14.71325	0.0
load	N_1200130414	constant_power_A	457.234	283.368	228.617	141.684
load	N_1200130414	constant_power_B	457.234	283.368	228.617	141.684
load	N_1200130414	constant_power_C	457.234	283.368	228.617	141.684
load	N_1200130414	constant_power_A_real	457.234	0.0	228.617	0.0
load	N_1200130414	constant_power_B_real	457.234	0.0	228.617	0.0
load	N_1200130414	constant_power_C_real	457.234	0.0	228.617	0.0
load	N_1200130414	constant_power_A_reac	283.368	0.0	141.684	0.0
load	N_1200130414	constant_power_B_reac	283.368	0.0	141.684	0.0
load	N_1200130414	constant_power_C_reac	283.368	0.0	141.684	0.0
load	N_1200129975	constant_power_A	3053.56	1710.02	1526.78	855.01
load	N_1200129975	constant_power_B	3053.56	1710.02	1526.78	855.01
load	N_1200129975	constant_power_C	3053.56	1710.02	1526.78	855.01
load	N_1200129975	constant_power_A_real	3053.56	0.0	1526.78	0.0
load	N_1200129975	constant_power_B_real	3053.56	0.0	1526.78	0.0
load	N_1200129975	constant_power_C_real	3053.56	0.0	1526.78	0.0
load	N_1200129975	constant_power_A_reac	1710.02	0.0	855.01	0.0
load	N_1200129975	constant_power_B_reac	1710.02	0.0	855.01	0.0
load	N_1200129975	constant_power_C_reac	1710.02	0.0	855.01	0.0
load	N_1200057644	constant_power_A	24000.0	14873.9	12000.0	7436.95
load	N_1200057644	constant_power_B	24000.0	14873.9	12000.0	7436.95
load	N_1200057644	constant_power_C	24000.0	14873.9	12000.0	7436.95
load	N_1200057644	constant_power_A_real	24000.0	0.0	12000.0	0.0
load	N_1200057644	constant_power_B_real	24000.0	0.0	12000.0	0.0
load	N_1200057644	constant_power_C_real	24000.0	0.0	12000.0	0.0
load	N_1200057644	constant_power_A_reac	14873.9	0.0	7436.95	0.0
load	N_1200057644	constant_power_B_reac	14873.9	0.0	7436.95	0.0
load	N_1200057644	constant_power_C_reac	14873.9	0.0	7436.95	0.0
load	N_1200057643	constant_power_A	1771.38	1097.81	885.69	548.905
load	N_1200057643	constant_power_B	1771.38	1097.81	885.69	548.905
load	N_1200057643	constant_power_C	1771.38	1097.81	885.69	548.905
load	N_1200057643	constant_power_A_real	1771.38	0.0	885.69	0.0
load	N_1200057643	constant_power_B_real	1771.38	0.0	885.69	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200057643	constant_power_C_real	1771.38	0.0	885.69	0.0
load	N_1200057643	constant_power_A_reac	1097.81	0.0	548.905	0.0
load	N_1200057643	constant_power_B_reac	1097.81	0.0	548.905	0.0
load	N_1200057643	constant_power_C_reac	1097.81	0.0	548.905	0.0
load	N_1200166056	constant_power_A	5352.52	3317.19	2676.26	1658.595
load	N_1200166056	constant_power_B	5352.52	3317.19	2676.26	1658.595
load	N_1200166056	constant_power_C	5352.52	3317.19	2676.26	1658.595
load	N_1200166056	constant_power_A_real	5352.52	0.0	2676.26	0.0
load	N_1200166056	constant_power_B_real	5352.52	0.0	2676.26	0.0
load	N_1200166056	constant_power_C_real	5352.52	0.0	2676.26	0.0
load	N_1200166056	constant_power_A_reac	3317.19	0.0	1658.595	0.0
load	N_1200166056	constant_power_B_reac	3317.19	0.0	1658.595	0.0
load	N_1200166056	constant_power_C_reac	3317.19	0.0	1658.595	0.0
load	N_1200166057	constant_power_A	3437.25	1129.77	1718.625	564.885
load	N_1200166057	constant_power_B	3437.25	1129.77	1718.625	564.885
load	N_1200166057	constant_power_C	3437.25	1129.77	1718.625	564.885
load	N_1200166057	constant_power_A_real	3437.25	0.0	1718.625	0.0
load	N_1200166057	constant_power_B_real	3437.25	0.0	1718.625	0.0
load	N_1200166057	constant_power_C_real	3437.25	0.0	1718.625	0.0
load	N_1200166057	constant_power_A_reac	1129.77	0.0	564.885	0.0
load	N_1200166057	constant_power_B_reac	1129.77	0.0	564.885	0.0
load	N_1200166057	constant_power_C_reac	1129.77	0.0	564.885	0.0
load	N_1200031574	constant_power_A	163.07	53.5984	81.535	26.7992
load	N_1200031574	constant_power_B	163.07	53.5984	81.535	26.7992
load	N_1200031574	constant_power_C	163.07	53.5984	81.535	26.7992
load	N_1200031574	constant_power_A_real	163.07	0.0	81.535	0.0
load	N_1200031574	constant_power_B_real	163.07	0.0	81.535	0.0
load	N_1200031574	constant_power_C_real	163.07	0.0	81.535	0.0
load	N_1200031574	constant_power_A_reac	53.5984	0.0	26.7992	0.0
load	N_1200031574	constant_power_B_reac	53.5984	0.0	26.7992	0.0
load	N_1200031574	constant_power_C_reac	53.5984	0.0	26.7992	0.0
load	N_1200129577	constant_power_A	3200.64	1720.21	1600.32	860.105
load	N_1200129577	constant_power_B	3200.64	1720.21	1600.32	860.105
load	N_1200129577	constant_power_C	3200.64	1720.21	1600.32	860.105
load	N_1200129577	constant_power_A_real	3200.64	0.0	1600.32	0.0
load	N_1200129577	constant_power_B_real	3200.64	0.0	1600.32	0.0
load	N_1200129577	constant_power_C_real	3200.64	0.0	1600.32	0.0
load	N_1200129577	constant_power_A_reac	1720.21	0.0	860.105	0.0
load	N_1200129577	constant_power_B_reac	1720.21	0.0	860.105	0.0
load	N_1200129577	constant_power_C_reac	1720.21	0.0	860.105	0.0
load	N_1200129575	constant_power_A	805.756	313.233	402.878	156.6165
load	N_1200129575	constant_power_B	805.756	313.233	402.878	156.6165
load	N_1200129575	constant_power_C	805.756	313.233	402.878	156.6165
load	N_1200129575	constant_power_A_real	805.756	0.0	402.878	0.0
load	N_1200129575	constant_power_B_real	805.756	0.0	402.878	0.0
load	N_1200129575	constant_power_C_real	805.756	0.0	402.878	0.0
load	N_1200129575	constant_power_A_reac	313.233	0.0	156.6165	0.0
load	N_1200129575	constant_power_B_reac	313.233	0.0	156.6165	0.0
load	N_1200129575	constant_power_C_reac	313.233	0.0	156.6165	0.0
load	N_1200129572	constant_power_A	3961.63	1762.8	1980.815	881.4
load	N_1200129572	constant_power_B	3961.63	1762.8	1980.815	881.4
load	N_1200129572	constant_power_C	3961.63	1762.8	1980.815	881.4
load	N_1200129572	constant_power_A_real	3961.63	0.0	1980.815	0.0
load	N_1200129572	constant_power_B_real	3961.63	0.0	1980.815	0.0
load	N_1200129572	constant_power_C_real	3961.63	0.0	1980.815	0.0
load	N_1200129572	constant_power_A_reac	1762.8	0.0	881.4	0.0
load	N_1200129572	constant_power_B_reac	1762.8	0.0	881.4	0.0
load	N_1200129572	constant_power_C_reac	1762.8	0.0	881.4	0.0
load	N_1200031572	constant_power_A	7666.67	4751.37	3833.335	2375.685
load	N_1200031572	constant_power_B	7666.67	4751.37	3833.335	2375.685
load	N_1200031572	constant_power_C	7666.67	4751.37	3833.335	2375.685
load	N_1200031572	constant_power_A_real	7666.67	0.0	3833.335	0.0
load	N_1200031572	constant_power_B_real	7666.67	0.0	3833.335	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200031572	constant_power_C_real	7666.67	0.0	3833.335	0.0
load	N_1200031572	constant_power_A_reac	4751.37	0.0	2375.685	0.0
load	N_1200031572	constant_power_B_reac	4751.37	0.0	2375.685	0.0
load	N_1200031572	constant_power_C_reac	4751.37	0.0	2375.685	0.0
load	N_1200071829	constant_power_A	776.979	481.528	388.4895	240.764
load	N_1200071829	constant_power_B	776.979	481.528	388.4895	240.764
load	N_1200071829	constant_power_C	776.979	481.528	388.4895	240.764
load	N_1200071829	constant_power_A_real	776.979	0.0	388.4895	0.0
load	N_1200071829	constant_power_B_real	776.979	0.0	388.4895	0.0
load	N_1200071829	constant_power_C_real	776.979	0.0	388.4895	0.0
load	N_1200071829	constant_power_A_reac	481.528	0.0	240.764	0.0
load	N_1200071829	constant_power_B_reac	481.528	0.0	240.764	0.0
load	N_1200071829	constant_power_C_reac	481.528	0.0	240.764	0.0
load	N_1200071826	constant_power_A	2826.54	1330.15	1413.27	665.075
load	N_1200071826	constant_power_B	2826.54	1330.15	1413.27	665.075
load	N_1200071826	constant_power_C	2826.54	1330.15	1413.27	665.075
load	N_1200071826	constant_power_A_real	2826.54	0.0	1413.27	0.0
load	N_1200071826	constant_power_B_real	2826.54	0.0	1413.27	0.0
load	N_1200071826	constant_power_C_real	2826.54	0.0	1413.27	0.0
load	N_1200071826	constant_power_A_reac	1330.15	0.0	665.075	0.0
load	N_1200071826	constant_power_B_reac	1330.15	0.0	665.075	0.0
load	N_1200071826	constant_power_C_reac	1330.15	0.0	665.075	0.0
load	N_1200109820	constant_power_A	1691.45	1019.42	845.725	509.71
load	N_1200109820	constant_power_B	1691.45	1019.42	845.725	509.71
load	N_1200109820	constant_power_C	1691.45	1019.42	845.725	509.71
load	N_1200109820	constant_power_A_real	1691.45	0.0	845.725	0.0
load	N_1200109820	constant_power_B_real	1691.45	0.0	845.725	0.0
load	N_1200109820	constant_power_C_real	1691.45	0.0	845.725	0.0
load	N_1200109820	constant_power_A_reac	1019.42	0.0	509.71	0.0
load	N_1200109820	constant_power_B_reac	1019.42	0.0	509.71	0.0
load	N_1200109820	constant_power_C_reac	1019.42	0.0	509.71	0.0
load	N_1200031578	constant_power_A	2599.52	1611.04	1299.76	805.52
load	N_1200031578	constant_power_B	2599.52	1611.04	1299.76	805.52
load	N_1200031578	constant_power_C	2599.52	1611.04	1299.76	805.52
load	N_1200031578	constant_power_A_real	2599.52	0.0	1299.76	0.0
load	N_1200031578	constant_power_B_real	2599.52	0.0	1299.76	0.0
load	N_1200031578	constant_power_C_real	2599.52	0.0	1299.76	0.0
load	N_1200031578	constant_power_A_reac	1611.04	0.0	805.52	0.0
load	N_1200031578	constant_power_B_reac	1611.04	0.0	805.52	0.0
load	N_1200031578	constant_power_C_reac	1611.04	0.0	805.52	0.0
load	N_1200109824	constant_power_A	1963.23	1127.36	981.615	563.68
load	N_1200109824	constant_power_B	1963.23	1127.36	981.615	563.68
load	N_1200109824	constant_power_C	1963.23	1127.36	981.615	563.68
load	N_1200109824	constant_power_A_real	1963.23	0.0	981.615	0.0
load	N_1200109824	constant_power_B_real	1963.23	0.0	981.615	0.0
load	N_1200109824	constant_power_C_real	1963.23	0.0	981.615	0.0
load	N_1200109824	constant_power_A_reac	1127.36	0.0	563.68	0.0
load	N_1200109824	constant_power_B_reac	1127.36	0.0	563.68	0.0
load	N_1200109824	constant_power_C_reac	1127.36	0.0	563.68	0.0
load	N_1200166272	constant_power_A	2551.56	838.657	1275.78	419.3285
load	N_1200166272	constant_power_B	2551.56	838.657	1275.78	419.3285
load	N_1200166272	constant_power_C	2551.56	838.657	1275.78	419.3285
load	N_1200166272	constant_power_A_real	2551.56	0.0	1275.78	0.0
load	N_1200166272	constant_power_B_real	2551.56	0.0	1275.78	0.0
load	N_1200166272	constant_power_C_real	2551.56	0.0	1275.78	0.0
load	N_1200166272	constant_power_A_reac	838.657	0.0	419.3285	0.0
load	N_1200166272	constant_power_B_reac	838.657	0.0	419.3285	0.0
load	N_1200166272	constant_power_C_reac	838.657	0.0	419.3285	0.0
load	N_1200166273	constant_power_A	879.297	544.939	439.6485	272.4695
load	N_1200166273	constant_power_B	879.297	544.939	439.6485	272.4695
load	N_1200166273	constant_power_C	879.297	544.939	439.6485	272.4695
load	N_1200166273	constant_power_A_real	879.297	0.0	439.6485	0.0
load	N_1200166273	constant_power_B_real	879.297	0.0	439.6485	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166273	constant_power_C_real	879.297	0.0	439.6485	0.0
load	N_1200166273	constant_power_A_reac	544.939	0.0	272.4695	0.0
load	N_1200166273	constant_power_B_reac	544.939	0.0	272.4695	0.0
load	N_1200166273	constant_power_C_reac	544.939	0.0	272.4695	0.0
load	N_1200166274	constant_power_A	575.54	189.171	287.77	94.5855
load	N_1200166274	constant_power_B	575.54	189.171	287.77	94.5855
load	N_1200166274	constant_power_C	575.54	189.171	287.77	94.5855
load	N_1200166274	constant_power_A_real	575.54	0.0	287.77	0.0
load	N_1200166274	constant_power_B_real	575.54	0.0	287.77	0.0
load	N_1200166274	constant_power_C_real	575.54	0.0	287.77	0.0
load	N_1200166274	constant_power_A_reac	189.171	0.0	94.5855	0.0
load	N_1200166274	constant_power_B_reac	189.171	0.0	94.5855	0.0
load	N_1200166274	constant_power_C_reac	189.171	0.0	94.5855	0.0
load	N_1200130103	constant_power_A	2660.27	1131.25	1330.135	565.625
load	N_1200130103	constant_power_B	2660.27	1131.25	1330.135	565.625
load	N_1200130103	constant_power_C	2660.27	1131.25	1330.135	565.625
load	N_1200130103	constant_power_A_real	2660.27	0.0	1330.135	0.0
load	N_1200130103	constant_power_B_real	2660.27	0.0	1330.135	0.0
load	N_1200130103	constant_power_C_real	2660.27	0.0	1330.135	0.0
load	N_1200130103	constant_power_A_reac	1131.25	0.0	565.625	0.0
load	N_1200130103	constant_power_B_reac	1131.25	0.0	565.625	0.0
load	N_1200130103	constant_power_C_reac	1131.25	0.0	565.625	0.0
load	N_1200166276	constant_power_A	565.948	350.743	282.974	175.3715
load	N_1200166276	constant_power_B	565.948	350.743	282.974	175.3715
load	N_1200166276	constant_power_C	565.948	350.743	282.974	175.3715
load	N_1200166276	constant_power_A_real	565.948	0.0	282.974	0.0
load	N_1200166276	constant_power_B_real	565.948	0.0	282.974	0.0
load	N_1200166276	constant_power_C_real	565.948	0.0	282.974	0.0
load	N_1200166276	constant_power_A_reac	350.743	0.0	175.3715	0.0
load	N_1200166276	constant_power_B_reac	350.743	0.0	175.3715	0.0
load	N_1200166276	constant_power_C_reac	350.743	0.0	175.3715	0.0
load	N_1200166278	constant_power_A	454.037	281.387	227.0185	140.6935
load	N_1200166278	constant_power_B	454.037	281.387	227.0185	140.6935
load	N_1200166278	constant_power_C	454.037	281.387	227.0185	140.6935
load	N_1200166278	constant_power_A_real	454.037	0.0	227.0185	0.0
load	N_1200166278	constant_power_B_real	454.037	0.0	227.0185	0.0
load	N_1200166278	constant_power_C_real	454.037	0.0	227.0185	0.0
load	N_1200166278	constant_power_A_reac	281.387	0.0	140.6935	0.0
load	N_1200166278	constant_power_B_reac	281.387	0.0	140.6935	0.0
load	N_1200166278	constant_power_C_reac	281.387	0.0	140.6935	0.0
load	N_1200020627	constant_power_A	1477.22	485.538	738.61	242.769
load	N_1200020627	constant_power_B	1477.22	485.538	738.61	242.769
load	N_1200020627	constant_power_C	1477.22	485.538	738.61	242.769
load	N_1200020627	constant_power_A_real	1477.22	0.0	738.61	0.0
load	N_1200020627	constant_power_B_real	1477.22	0.0	738.61	0.0
load	N_1200020627	constant_power_C_real	1477.22	0.0	738.61	0.0
load	N_1200020627	constant_power_A_reac	485.538	0.0	242.769	0.0
load	N_1200020627	constant_power_B_reac	485.538	0.0	242.769	0.0
load	N_1200020627	constant_power_C_reac	485.538	0.0	242.769	0.0
load	N_1200129849	constant_power_A	1614.71	530.729	807.355	265.3645
load	N_1200129849	constant_power_B	1614.71	530.729	807.355	265.3645
load	N_1200129849	constant_power_C	1614.71	530.729	807.355	265.3645
load	N_1200129849	constant_power_A_real	1614.71	0.0	807.355	0.0
load	N_1200129849	constant_power_B_real	1614.71	0.0	807.355	0.0
load	N_1200129849	constant_power_C_real	1614.71	0.0	807.355	0.0
load	N_1200129849	constant_power_A_reac	530.729	0.0	265.3645	0.0
load	N_1200129849	constant_power_B_reac	530.729	0.0	265.3645	0.0
load	N_1200129849	constant_power_C_reac	530.729	0.0	265.3645	0.0
load	N_1200076474	constant_power_A	22848.9	7510.08	11424.45	3755.04
load	N_1200076474	constant_power_B	22848.9	7510.08	11424.45	3755.04
load	N_1200076474	constant_power_A_real	22848.9	0.0	11424.45	0.0
load	N_1200076474	constant_power_B_real	22848.9	0.0	11424.45	0.0
load	N_1200076474	constant_power_A_reac	7510.08	0.0	3755.04	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200076474	constant_power_B_reac	7510.08	0.0	3755.04	0.0
load	N_1200160144	constant_power_A	2954.44	971.077	1477.22	485.5385
load	N_1200160144	constant_power_B	2954.44	971.077	1477.22	485.5385
load	N_1200160144	constant_power_C	2954.44	971.077	1477.22	485.5385
load	N_1200160144	constant_power_A_real	2954.44	0.0	1477.22	0.0
load	N_1200160144	constant_power_B_real	2954.44	0.0	1477.22	0.0
load	N_1200160144	constant_power_C_real	2954.44	0.0	1477.22	0.0
load	N_1200160144	constant_power_A_reac	971.077	0.0	485.5385	0.0
load	N_1200160144	constant_power_B_reac	971.077	0.0	485.5385	0.0
load	N_1200160144	constant_power_C_reac	971.077	0.0	485.5385	0.0
load	N_1200087883	constant_power_A	2276.58	748.276	1138.29	374.138
load	N_1200087883	constant_power_B	2276.58	748.276	1138.29	374.138
load	N_1200087883	constant_power_C	2276.58	748.276	1138.29	374.138
load	N_1200087883	constant_power_A_real	2276.58	0.0	1138.29	0.0
load	N_1200087883	constant_power_B_real	2276.58	0.0	1138.29	0.0
load	N_1200087883	constant_power_C_real	2276.58	0.0	1138.29	0.0
load	N_1200087883	constant_power_A_reac	748.276	0.0	374.138	0.0
load	N_1200087883	constant_power_B_reac	748.276	0.0	374.138	0.0
load	N_1200087883	constant_power_C_reac	748.276	0.0	374.138	0.0
load	N_1200087884	constant_power_A	2071.94	681.015	1035.97	340.5075
load	N_1200087884	constant_power_B	2071.94	681.015	1035.97	340.5075
load	N_1200087884	constant_power_C	2071.94	681.015	1035.97	340.5075
load	N_1200087884	constant_power_A_real	2071.94	0.0	1035.97	0.0
load	N_1200087884	constant_power_B_real	2071.94	0.0	1035.97	0.0
load	N_1200087884	constant_power_C_real	2071.94	0.0	1035.97	0.0
load	N_1200087884	constant_power_A_reac	681.015	0.0	340.5075	0.0
load	N_1200087884	constant_power_B_reac	681.015	0.0	340.5075	0.0
load	N_1200087884	constant_power_C_reac	681.015	0.0	340.5075	0.0
load	N_1200076472	constant_power_A	25237.4	8295.14	12618.7	4147.57
load	N_1200076472	constant_power_B	25237.4	8295.14	12618.7	4147.57
load	N_1200076472	constant_power_A_real	25237.4	0.0	12618.7	0.0
load	N_1200076472	constant_power_B_real	25237.4	0.0	12618.7	0.0
load	N_1200076472	constant_power_A_reac	8295.14	0.0	4147.57	0.0
load	N_1200076472	constant_power_B_reac	8295.14	0.0	4147.57	0.0
load	N_1200160145	constant_power_A	1205.44	396.208	602.72	198.104
load	N_1200160145	constant_power_B	1205.44	396.208	602.72	198.104
load	N_1200160145	constant_power_C	1205.44	396.208	602.72	198.104
load	N_1200160145	constant_power_A_real	1205.44	0.0	602.72	0.0
load	N_1200160145	constant_power_B_real	1205.44	0.0	602.72	0.0
load	N_1200160145	constant_power_C_real	1205.44	0.0	602.72	0.0
load	N_1200160145	constant_power_A_reac	396.208	0.0	198.104	0.0
load	N_1200160145	constant_power_B_reac	396.208	0.0	198.104	0.0
load	N_1200160145	constant_power_C_reac	396.208	0.0	198.104	0.0
load	N_1200159321	constant_power_A	8383.7	5195.75	4191.85	2597.875
load	N_1200159321	constant_power_B	8383.7	5195.75	4191.85	2597.875
load	N_1200159321	constant_power_C	8383.7	5195.75	4191.85	2597.875
load	N_1200159321	constant_power_A_real	8383.7	0.0	4191.85	0.0
load	N_1200159321	constant_power_B_real	8383.7	0.0	4191.85	0.0
load	N_1200159321	constant_power_C_real	8383.7	0.0	4191.85	0.0
load	N_1200159321	constant_power_A_reac	5195.75	0.0	2597.875	0.0
load	N_1200159321	constant_power_B_reac	5195.75	0.0	2597.875	0.0
load	N_1200159321	constant_power_C_reac	5195.75	0.0	2597.875	0.0
load	N_1200180890	constant_power_A	837.73	519.179	418.865	259.5895
load	N_1200180890	constant_power_B	837.73	519.179	418.865	259.5895
load	N_1200180890	constant_power_C	837.73	519.179	418.865	259.5895
load	N_1200180890	constant_power_A_real	837.73	0.0	418.865	0.0
load	N_1200180890	constant_power_B_real	837.73	0.0	418.865	0.0
load	N_1200180890	constant_power_C_real	837.73	0.0	418.865	0.0
load	N_1200180890	constant_power_A_reac	519.179	0.0	259.5895	0.0
load	N_1200180890	constant_power_B_reac	519.179	0.0	259.5895	0.0
load	N_1200180890	constant_power_C_reac	519.179	0.0	259.5895	0.0
load	N_1200130266	constant_power_A	2273.38	747.225	1136.69	373.6125
load	N_1200130266	constant_power_B	2273.38	747.225	1136.69	373.6125

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130266	constant_power_A_real	2273.38	0.0	1136.69	0.0
load	N_1200130266	constant_power_B_real	2273.38	0.0	1136.69	0.0
load	N_1200130266	constant_power_A_reac	747.225	0.0	373.6125	0.0
load	N_1200130266	constant_power_B_reac	747.225	0.0	373.6125	0.0
load	N_1200160305	constant_power_A	2353.32	1080.61	1176.66	540.305
load	N_1200160305	constant_power_B	2353.32	1080.61	1176.66	540.305
load	N_1200160305	constant_power_C	2353.32	1080.61	1176.66	540.305
load	N_1200160305	constant_power_A_real	2353.32	0.0	1176.66	0.0
load	N_1200160305	constant_power_B_real	2353.32	0.0	1176.66	0.0
load	N_1200160305	constant_power_C_real	2353.32	0.0	1176.66	0.0
load	N_1200160305	constant_power_A_reac	1080.61	0.0	540.305	0.0
load	N_1200160305	constant_power_B_reac	1080.61	0.0	540.305	0.0
load	N_1200160305	constant_power_C_reac	1080.61	0.0	540.305	0.0
load	N_1200030193	constant_power_A	1328.54	436.669	664.27	218.3345
load	N_1200030193	constant_power_B	1328.54	436.669	664.27	218.3345
load	N_1200030193	constant_power_A_real	1328.54	0.0	664.27	0.0
load	N_1200030193	constant_power_B_real	1328.54	0.0	664.27	0.0
load	N_1200030193	constant_power_A_reac	436.669	0.0	218.3345	0.0
load	N_1200030193	constant_power_B_reac	436.669	0.0	218.3345	0.0
load	N_1200130267	constant_power_A	351.719	142.593	175.8595	71.2965
load	N_1200130267	constant_power_B	351.719	142.593	175.8595	71.2965
load	N_1200130267	constant_power_C	351.719	142.593	175.8595	71.2965
load	N_1200130267	constant_power_A_real	351.719	0.0	175.8595	0.0
load	N_1200130267	constant_power_B_real	351.719	0.0	175.8595	0.0
load	N_1200130267	constant_power_C_real	351.719	0.0	175.8595	0.0
load	N_1200130267	constant_power_A_reac	142.593	0.0	71.2965	0.0
load	N_1200130267	constant_power_B_reac	142.593	0.0	71.2965	0.0
load	N_1200130267	constant_power_C_reac	142.593	0.0	71.2965	0.0
load	N_1200166289	constant_power_A	537.171	176.559	268.5855	88.2795
load	N_1200166289	constant_power_B	537.171	176.559	268.5855	88.2795
load	N_1200166289	constant_power_C	537.171	176.559	268.5855	88.2795
load	N_1200166289	constant_power_A_real	537.171	0.0	268.5855	0.0
load	N_1200166289	constant_power_B_real	537.171	0.0	268.5855	0.0
load	N_1200166289	constant_power_C_real	537.171	0.0	268.5855	0.0
load	N_1200166289	constant_power_A_reac	176.559	0.0	88.2795	0.0
load	N_1200166289	constant_power_B_reac	176.559	0.0	88.2795	0.0
load	N_1200166289	constant_power_C_reac	176.559	0.0	88.2795	0.0
load	N_1200166288	constant_power_A	1032.77	339.457	516.385	169.7285
load	N_1200166288	constant_power_B	1032.77	339.457	516.385	169.7285
load	N_1200166288	constant_power_C	1032.77	339.457	516.385	169.7285
load	N_1200166288	constant_power_A_real	1032.77	0.0	516.385	0.0
load	N_1200166288	constant_power_B_real	1032.77	0.0	516.385	0.0
load	N_1200166288	constant_power_C_real	1032.77	0.0	516.385	0.0
load	N_1200166288	constant_power_A_reac	339.457	0.0	169.7285	0.0
load	N_1200166288	constant_power_B_reac	339.457	0.0	169.7285	0.0
load	N_1200166288	constant_power_C_reac	339.457	0.0	169.7285	0.0
load	N_1200030196	constant_power_A	1218.23	754.989	609.115	377.4945
load	N_1200030196	constant_power_B	1218.23	754.989	609.115	377.4945
load	N_1200030196	constant_power_C	1218.23	754.989	609.115	377.4945
load	N_1200030196	constant_power_A_real	1218.23	0.0	609.115	0.0
load	N_1200030196	constant_power_B_real	1218.23	0.0	609.115	0.0
load	N_1200030196	constant_power_C_real	1218.23	0.0	609.115	0.0
load	N_1200030196	constant_power_A_reac	754.989	0.0	377.4945	0.0
load	N_1200030196	constant_power_B_reac	754.989	0.0	377.4945	0.0
load	N_1200030196	constant_power_C_reac	754.989	0.0	377.4945	0.0
load	N_1200166284	constant_power_A	815.348	267.992	407.674	133.996
load	N_1200166284	constant_power_B	815.348	267.992	407.674	133.996
load	N_1200166284	constant_power_C	815.348	267.992	407.674	133.996
load	N_1200166284	constant_power_A_real	815.348	0.0	407.674	0.0
load	N_1200166284	constant_power_B_real	815.348	0.0	407.674	0.0
load	N_1200166284	constant_power_C_real	815.348	0.0	407.674	0.0
load	N_1200166284	constant_power_A_reac	267.992	0.0	133.996	0.0
load	N_1200166284	constant_power_B_reac	267.992	0.0	133.996	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200166284	constant_power_C_reac	267.992	0.0	133.996	0.0
load	N_1200071891	constant_power_A	211.031	130.785	105.5155	65.3925
load	N_1200071891	constant_power_B	211.031	130.785	105.5155	65.3925
load	N_1200071891	constant_power_C	211.031	130.785	105.5155	65.3925
load	N_1200071891	constant_power_A_real	211.031	0.0	105.5155	0.0
load	N_1200071891	constant_power_B_real	211.031	0.0	105.5155	0.0
load	N_1200071891	constant_power_C_real	211.031	0.0	105.5155	0.0
load	N_1200071891	constant_power_A_reac	130.785	0.0	65.3925	0.0
load	N_1200071891	constant_power_B_reac	130.785	0.0	65.3925	0.0
load	N_1200071891	constant_power_C_reac	130.785	0.0	65.3925	0.0
load	N_1200159435	constant_power_A	791.367	260.11	395.6835	130.055
load	N_1200159435	constant_power_B	791.367	260.11	395.6835	130.055
load	N_1200159435	constant_power_A_real	791.367	0.0	395.6835	0.0
load	N_1200159435	constant_power_B_real	791.367	0.0	395.6835	0.0
load	N_1200159435	constant_power_A_reac	260.11	0.0	130.055	0.0
load	N_1200159435	constant_power_B_reac	260.11	0.0	130.055	0.0
load	N_1200091943	constant_power_A	2497.2	830.098	1248.6	415.049
load	N_1200091943	constant_power_B	2497.2	830.098	1248.6	415.049
load	N_1200091943	constant_power_C	2497.2	830.098	1248.6	415.049
load	N_1200091943	constant_power_A_real	2497.2	0.0	1248.6	0.0
load	N_1200091943	constant_power_B_real	2497.2	0.0	1248.6	0.0
load	N_1200091943	constant_power_C_real	2497.2	0.0	1248.6	0.0
load	N_1200091943	constant_power_A_reac	830.098	0.0	415.049	0.0
load	N_1200091943	constant_power_B_reac	830.098	0.0	415.049	0.0
load	N_1200091943	constant_power_C_reac	830.098	0.0	415.049	0.0
load	N_1200091942	constant_power_A	326.139	107.197	163.0695	53.5985
load	N_1200091942	constant_power_B	326.139	107.197	163.0695	53.5985
load	N_1200091942	constant_power_C	326.139	107.197	163.0695	53.5985
load	N_1200091942	constant_power_A_real	326.139	0.0	163.0695	0.0
load	N_1200091942	constant_power_B_real	326.139	0.0	163.0695	0.0
load	N_1200091942	constant_power_C_real	326.139	0.0	163.0695	0.0
load	N_1200091942	constant_power_A_reac	107.197	0.0	53.5985	0.0
load	N_1200091942	constant_power_B_reac	107.197	0.0	53.5985	0.0
load	N_1200091942	constant_power_C_reac	107.197	0.0	53.5985	0.0
load	N_1200091941	constant_power_A	2350.12	772.448	1175.06	386.224
load	N_1200091941	constant_power_B	2350.12	772.448	1175.06	386.224
load	N_1200091941	constant_power_C	2350.12	772.448	1175.06	386.224
load	N_1200091941	constant_power_A_real	2350.12	0.0	1175.06	0.0
load	N_1200091941	constant_power_B_real	2350.12	0.0	1175.06	0.0
load	N_1200091941	constant_power_C_real	2350.12	0.0	1175.06	0.0
load	N_1200091941	constant_power_A_reac	772.448	0.0	386.224	0.0
load	N_1200091941	constant_power_B_reac	772.448	0.0	386.224	0.0
load	N_1200091941	constant_power_C_reac	772.448	0.0	386.224	0.0
load	N_1200091940	constant_power_A	2868.11	998.54	1434.055	499.27
load	N_1200091940	constant_power_B	2868.11	998.54	1434.055	499.27
load	N_1200091940	constant_power_C	2868.11	998.54	1434.055	499.27
load	N_1200091940	constant_power_A_real	2868.11	0.0	1434.055	0.0
load	N_1200091940	constant_power_B_real	2868.11	0.0	1434.055	0.0
load	N_1200091940	constant_power_C_real	2868.11	0.0	1434.055	0.0
load	N_1200091940	constant_power_A_reac	998.54	0.0	499.27	0.0
load	N_1200091940	constant_power_B_reac	998.54	0.0	499.27	0.0
load	N_1200091940	constant_power_C_reac	998.54	0.0	499.27	0.0
load	N_1200030615	constant_power_A	14333.3	8883.0	7166.65	4441.5
load	N_1200030615	constant_power_B	14333.3	8883.0	7166.65	4441.5
load	N_1200030615	constant_power_C	14333.3	8883.0	7166.65	4441.5
load	N_1200030615	constant_power_A_real	14333.3	0.0	7166.65	0.0
load	N_1200030615	constant_power_B_real	14333.3	0.0	7166.65	0.0
load	N_1200030615	constant_power_C_real	14333.3	0.0	7166.65	0.0
load	N_1200030615	constant_power_A_reac	8883.0	0.0	4441.5	0.0
load	N_1200030615	constant_power_B_reac	8883.0	0.0	4441.5	0.0
load	N_1200030615	constant_power_C_reac	8883.0	0.0	4441.5	0.0
load	N_1200130263	constant_power_A	1518.79	499.201	759.395	249.6005
load	N_1200130263	constant_power_B	1518.79	499.201	759.395	249.6005

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130263	constant_power_C	1518.79	499.201	759.395	249.6005
load	N_1200130263	constant_power_A_real	1518.79	0.0	759.395	0.0
load	N_1200130263	constant_power_B_real	1518.79	0.0	759.395	0.0
load	N_1200130263	constant_power_C_real	1518.79	0.0	759.395	0.0
load	N_1200130263	constant_power_A_reac	499.201	0.0	249.6005	0.0
load	N_1200130263	constant_power_B_reac	499.201	0.0	249.6005	0.0
load	N_1200130263	constant_power_C_reac	499.201	0.0	249.6005	0.0
load	N_1200129951	constant_power_A	1851.32	615.014	925.66	307.507
load	N_1200129951	constant_power_B	1851.32	615.014	925.66	307.507
load	N_1200129951	constant_power_C	1851.32	615.014	925.66	307.507
load	N_1200129951	constant_power_A_real	1851.32	0.0	925.66	0.0
load	N_1200129951	constant_power_B_real	1851.32	0.0	925.66	0.0
load	N_1200129951	constant_power_C_real	1851.32	0.0	925.66	0.0
load	N_1200129951	constant_power_A_reac	615.014	0.0	307.507	0.0
load	N_1200129951	constant_power_B_reac	615.014	0.0	307.507	0.0
load	N_1200129951	constant_power_C_reac	615.014	0.0	307.507	0.0
load	N_1200018118	constant_power_A	719.425	236.464	359.7125	118.232
load	N_1200018118	constant_power_B	719.425	236.464	359.7125	118.232
load	N_1200018118	constant_power_C	719.425	236.464	359.7125	118.232
load	N_1200018118	constant_power_A_real	719.425	0.0	359.7125	0.0
load	N_1200018118	constant_power_B_real	719.425	0.0	359.7125	0.0
load	N_1200018118	constant_power_C_real	719.425	0.0	359.7125	0.0
load	N_1200018118	constant_power_A_reac	236.464	0.0	118.232	0.0
load	N_1200018118	constant_power_B_reac	236.464	0.0	118.232	0.0
load	N_1200018118	constant_power_C_reac	236.464	0.0	118.232	0.0
load	N_1200129556	constant_power_A	20393.3	11667.0	10196.65	5833.5
load	N_1200129556	constant_power_B	20393.3	11667.0	10196.65	5833.5
load	N_1200129556	constant_power_C	20393.3	11667.0	10196.65	5833.5
load	N_1200129556	constant_power_A_real	20393.3	0.0	10196.65	0.0
load	N_1200129556	constant_power_B_real	20393.3	0.0	10196.65	0.0
load	N_1200129556	constant_power_C_real	20393.3	0.0	10196.65	0.0
load	N_1200129556	constant_power_A_reac	11667.0	0.0	5833.5	0.0
load	N_1200129556	constant_power_B_reac	11667.0	0.0	5833.5	0.0
load	N_1200129556	constant_power_C_reac	11667.0	0.0	5833.5	0.0
load	N_1200082370	constant_power_A	1506.0	494.997	753.0	247.4985
load	N_1200082370	constant_power_B	1506.0	494.997	753.0	247.4985
load	N_1200082370	constant_power_A_real	1506.0	0.0	753.0	0.0
load	N_1200082370	constant_power_B_real	1506.0	0.0	753.0	0.0
load	N_1200082370	constant_power_A_reac	494.997	0.0	247.4985	0.0
load	N_1200082370	constant_power_B_reac	494.997	0.0	247.4985	0.0
load	N_1200019739	constant_power_A	1362.11	447.704	681.055	223.852
load	N_1200019739	constant_power_B	1362.11	447.704	681.055	223.852
load	N_1200019739	constant_power_C	1362.11	447.704	681.055	223.852
load	N_1200019739	constant_power_A_real	1362.11	0.0	681.055	0.0
load	N_1200019739	constant_power_B_real	1362.11	0.0	681.055	0.0
load	N_1200019739	constant_power_C_real	1362.11	0.0	681.055	0.0
load	N_1200019739	constant_power_A_reac	447.704	0.0	223.852	0.0
load	N_1200019739	constant_power_B_reac	447.704	0.0	223.852	0.0
load	N_1200019739	constant_power_C_reac	447.704	0.0	223.852	0.0
load	N_1200130070	constant_power_A	2759.39	1178.72	1379.695	589.36
load	N_1200130070	constant_power_B	2759.39	1178.72	1379.695	589.36
load	N_1200130070	constant_power_C	2759.39	1178.72	1379.695	589.36
load	N_1200130070	constant_power_A_real	2759.39	0.0	1379.695	0.0
load	N_1200130070	constant_power_B_real	2759.39	0.0	1379.695	0.0
load	N_1200130070	constant_power_C_real	2759.39	0.0	1379.695	0.0
load	N_1200130070	constant_power_A_reac	1178.72	0.0	589.36	0.0
load	N_1200130070	constant_power_B_reac	1178.72	0.0	589.36	0.0
load	N_1200130070	constant_power_C_reac	1178.72	0.0	589.36	0.0
load	N_1200105639	constant_power_A	3702.64	1261.67	1851.32	630.835
load	N_1200105639	constant_power_B	3702.64	1261.67	1851.32	630.835
load	N_1200105639	constant_power_C	3702.64	1261.67	1851.32	630.835
load	N_1200105639	constant_power_A_real	3702.64	0.0	1851.32	0.0
load	N_1200105639	constant_power_B_real	3702.64	0.0	1851.32	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200105639	constant_power_C_real	3702.64	0.0	1851.32	0.0
load	N_1200105639	constant_power_A_reac	1261.67	0.0	630.835	0.0
load	N_1200105639	constant_power_B_reac	1261.67	0.0	630.835	0.0
load	N_1200105639	constant_power_C_reac	1261.67	0.0	630.835	0.0
load	N_1200105638	constant_power_A	6366.11	3945.36	3183.055	1972.68
load	N_1200105638	constant_power_B	6366.11	3945.36	3183.055	1972.68
load	N_1200105638	constant_power_C	6366.11	3945.36	3183.055	1972.68
load	N_1200105638	constant_power_A_real	6366.11	0.0	3183.055	0.0
load	N_1200105638	constant_power_B_real	6366.11	0.0	3183.055	0.0
load	N_1200105638	constant_power_C_real	6366.11	0.0	3183.055	0.0
load	N_1200105638	constant_power_A_reac	3945.36	0.0	1972.68	0.0
load	N_1200105638	constant_power_B_reac	3945.36	0.0	1972.68	0.0
load	N_1200105638	constant_power_C_reac	3945.36	0.0	1972.68	0.0
load	N_1200130075	constant_power_A	2685.85	882.797	1342.925	441.3985
load	N_1200130075	constant_power_B	2685.85	882.797	1342.925	441.3985
load	N_1200130075	constant_power_C	2685.85	882.797	1342.925	441.3985
load	N_1200130075	constant_power_A_real	2685.85	0.0	1342.925	0.0
load	N_1200130075	constant_power_B_real	2685.85	0.0	1342.925	0.0
load	N_1200130075	constant_power_C_real	2685.85	0.0	1342.925	0.0
load	N_1200130075	constant_power_A_reac	882.797	0.0	441.3985	0.0
load	N_1200130075	constant_power_B_reac	882.797	0.0	441.3985	0.0
load	N_1200130075	constant_power_C_reac	882.797	0.0	441.3985	0.0
load	N_1200130074	constant_power_A	2196.64	1361.36	1098.32	680.68
load	N_1200130074	constant_power_B	2196.64	1361.36	1098.32	680.68
load	N_1200130074	constant_power_C	2196.64	1361.36	1098.32	680.68
load	N_1200130074	constant_power_A_real	2196.64	0.0	1098.32	0.0
load	N_1200130074	constant_power_B_real	2196.64	0.0	1098.32	0.0
load	N_1200130074	constant_power_C_real	2196.64	0.0	1098.32	0.0
load	N_1200130074	constant_power_A_reac	1361.36	0.0	680.68	0.0
load	N_1200130074	constant_power_B_reac	1361.36	0.0	680.68	0.0
load	N_1200130074	constant_power_C_reac	1361.36	0.0	680.68	0.0
load	N_1200130077	constant_power_A	11261.4	6979.19	5630.7	3489.595
load	N_1200130077	constant_power_B	11261.4	6979.19	5630.7	3489.595
load	N_1200130077	constant_power_C	11261.4	6979.19	5630.7	3489.595
load	N_1200130077	constant_power_A_real	11261.4	0.0	5630.7	0.0
load	N_1200130077	constant_power_B_real	11261.4	0.0	5630.7	0.0
load	N_1200130077	constant_power_C_real	11261.4	0.0	5630.7	0.0
load	N_1200130077	constant_power_A_reac	6979.19	0.0	3489.595	0.0
load	N_1200130077	constant_power_B_reac	6979.19	0.0	3489.595	0.0
load	N_1200130077	constant_power_C_reac	6979.19	0.0	3489.595	0.0
load	N_1200130076	constant_power_A	1502.8	493.946	751.4	246.973
load	N_1200130076	constant_power_B	1502.8	493.946	751.4	246.973
load	N_1200130076	constant_power_C	1502.8	493.946	751.4	246.973
load	N_1200130076	constant_power_A_real	1502.8	0.0	751.4	0.0
load	N_1200130076	constant_power_B_real	1502.8	0.0	751.4	0.0
load	N_1200130076	constant_power_C_real	1502.8	0.0	751.4	0.0
load	N_1200130076	constant_power_A_reac	493.946	0.0	246.973	0.0
load	N_1200130076	constant_power_B_reac	493.946	0.0	246.973	0.0
load	N_1200130076	constant_power_C_reac	493.946	0.0	246.973	0.0
load	N_1200130174	constant_power_A	7280.58	4512.1	3640.29	2256.05
load	N_1200130174	constant_power_B	7280.58	4512.1	3640.29	2256.05
load	N_1200130174	constant_power_C	7280.58	4512.1	3640.29	2256.05
load	N_1200130174	constant_power_A_real	7280.58	0.0	3640.29	0.0
load	N_1200130174	constant_power_B_real	7280.58	0.0	3640.29	0.0
load	N_1200130174	constant_power_C_real	7280.58	0.0	3640.29	0.0
load	N_1200130174	constant_power_A_reac	4512.1	0.0	2256.05	0.0
load	N_1200130174	constant_power_B_reac	4512.1	0.0	2256.05	0.0
load	N_1200130174	constant_power_C_reac	4512.1	0.0	2256.05	0.0
load	N_1200130175	constant_power_A	415.668	257.608	207.834	128.804
load	N_1200130175	constant_power_B	415.668	257.608	207.834	128.804
load	N_1200130175	constant_power_C	415.668	257.608	207.834	128.804
load	N_1200130175	constant_power_A_real	415.668	0.0	207.834	0.0
load	N_1200130175	constant_power_B_real	415.668	0.0	207.834	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130175	constant_power_C_real	415.668	0.0	207.834	0.0
load	N_1200130175	constant_power_A_reac	257.608	0.0	128.804	0.0
load	N_1200130175	constant_power_B_reac	257.608	0.0	128.804	0.0
load	N_1200130175	constant_power_C_reac	257.608	0.0	128.804	0.0
load	N_1200130176	constant_power_A	652.279	214.394	326.1395	107.197
load	N_1200130176	constant_power_B	652.279	214.394	326.1395	107.197
load	N_1200130176	constant_power_C	652.279	214.394	326.1395	107.197
load	N_1200130176	constant_power_A_real	652.279	0.0	326.1395	0.0
load	N_1200130176	constant_power_B_real	652.279	0.0	326.1395	0.0
load	N_1200130176	constant_power_C_real	652.279	0.0	326.1395	0.0
load	N_1200130176	constant_power_A_reac	214.394	0.0	107.197	0.0
load	N_1200130176	constant_power_B_reac	214.394	0.0	107.197	0.0
load	N_1200130176	constant_power_C_reac	214.394	0.0	107.197	0.0
load	N_1200176184	constant_power_A	10126.3	6275.72	5063.15	3137.86
load	N_1200176184	constant_power_B	10126.3	6275.72	5063.15	3137.86
load	N_1200176184	constant_power_C	10126.3	6275.72	5063.15	3137.86
load	N_1200176184	constant_power_A_real	10126.3	0.0	5063.15	0.0
load	N_1200176184	constant_power_B_real	10126.3	0.0	5063.15	0.0
load	N_1200176184	constant_power_C_real	10126.3	0.0	5063.15	0.0
load	N_1200176184	constant_power_A_reac	6275.72	0.0	3137.86	0.0
load	N_1200176184	constant_power_B_reac	6275.72	0.0	3137.86	0.0
load	N_1200176184	constant_power_C_reac	6275.72	0.0	3137.86	0.0
load	N_1200159423	constant_power_A	2251.0	762.204	1125.5	381.102
load	N_1200159423	constant_power_B	2251.0	762.204	1125.5	381.102
load	N_1200159423	constant_power_C	2251.0	762.204	1125.5	381.102
load	N_1200159423	constant_power_A_real	2251.0	0.0	1125.5	0.0
load	N_1200159423	constant_power_B_real	2251.0	0.0	1125.5	0.0
load	N_1200159423	constant_power_C_real	2251.0	0.0	1125.5	0.0
load	N_1200159423	constant_power_A_reac	762.204	0.0	381.102	0.0
load	N_1200159423	constant_power_B_reac	762.204	0.0	381.102	0.0
load	N_1200159423	constant_power_C_reac	762.204	0.0	381.102	0.0
load	N_1200160156	constant_power_A	527.578	326.964	263.789	163.482
load	N_1200160156	constant_power_B	527.578	326.964	263.789	163.482
load	N_1200160156	constant_power_C	527.578	326.964	263.789	163.482
load	N_1200160156	constant_power_A_real	527.578	0.0	263.789	0.0
load	N_1200160156	constant_power_B_real	527.578	0.0	263.789	0.0
load	N_1200160156	constant_power_C_real	527.578	0.0	263.789	0.0
load	N_1200160156	constant_power_A_reac	326.964	0.0	163.482	0.0
load	N_1200160156	constant_power_B_reac	326.964	0.0	163.482	0.0
load	N_1200160156	constant_power_C_reac	326.964	0.0	163.482	0.0
load	N_1200159421	constant_power_A	479.617	157.642	239.8085	78.821
load	N_1200159421	constant_power_B	479.617	157.642	239.8085	78.821
load	N_1200159421	constant_power_C	479.617	157.642	239.8085	78.821
load	N_1200159421	constant_power_A_real	479.617	0.0	239.8085	0.0
load	N_1200159421	constant_power_B_real	479.617	0.0	239.8085	0.0
load	N_1200159421	constant_power_C_real	479.617	0.0	239.8085	0.0
load	N_1200159421	constant_power_A_reac	157.642	0.0	78.821	0.0
load	N_1200159421	constant_power_B_reac	157.642	0.0	78.821	0.0
load	N_1200159421	constant_power_C_reac	157.642	0.0	78.821	0.0
load	N_1200160153	constant_power_A	1649.88	542.29	824.94	271.145
load	N_1200160153	constant_power_B	1649.88	542.29	824.94	271.145
load	N_1200160153	constant_power_C	1649.88	542.29	824.94	271.145
load	N_1200160153	constant_power_A_real	1649.88	0.0	824.94	0.0
load	N_1200160153	constant_power_B_real	1649.88	0.0	824.94	0.0
load	N_1200160153	constant_power_C_real	1649.88	0.0	824.94	0.0
load	N_1200160153	constant_power_A_reac	542.29	0.0	271.145	0.0
load	N_1200160153	constant_power_B_reac	542.29	0.0	271.145	0.0
load	N_1200160153	constant_power_C_reac	542.29	0.0	271.145	0.0
load	N_1200160152	constant_power_A	3629.1	1278.45	1814.55	639.225
load	N_1200160152	constant_power_B	3629.1	1278.45	1814.55	639.225
load	N_1200160152	constant_power_C	3629.1	1278.45	1814.55	639.225
load	N_1200160152	constant_power_A_real	3629.1	0.0	1814.55	0.0
load	N_1200160152	constant_power_B_real	3629.1	0.0	1814.55	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200160152	constant_power_C_real	3629.1	0.0	1814.55	0.0
load	N_1200160152	constant_power_A_reac	1278.45	0.0	639.225	0.0
load	N_1200160152	constant_power_B_reac	1278.45	0.0	639.225	0.0
load	N_1200160152	constant_power_C_reac	1278.45	0.0	639.225	0.0
load	N_1200160151	constant_power_A	3801.76	1249.58	1900.88	624.79
load	N_1200160151	constant_power_B	3801.76	1249.58	1900.88	624.79
load	N_1200160151	constant_power_C	3801.76	1249.58	1900.88	624.79
load	N_1200160151	constant_power_A_real	3801.76	0.0	1900.88	0.0
load	N_1200160151	constant_power_B_real	3801.76	0.0	1900.88	0.0
load	N_1200160151	constant_power_C_real	3801.76	0.0	1900.88	0.0
load	N_1200160151	constant_power_A_reac	1249.58	0.0	624.79	0.0
load	N_1200160151	constant_power_B_reac	1249.58	0.0	624.79	0.0
load	N_1200160151	constant_power_C_reac	1249.58	0.0	624.79	0.0
load	N_1200160150	constant_power_A	1585.93	521.271	792.965	260.6355
load	N_1200160150	constant_power_B	1585.93	521.271	792.965	260.6355
load	N_1200160150	constant_power_C	1585.93	521.271	792.965	260.6355
load	N_1200160150	constant_power_A_real	1585.93	0.0	792.965	0.0
load	N_1200160150	constant_power_B_real	1585.93	0.0	792.965	0.0
load	N_1200160150	constant_power_C_real	1585.93	0.0	792.965	0.0
load	N_1200160150	constant_power_A_reac	521.271	0.0	260.6355	0.0
load	N_1200160150	constant_power_B_reac	521.271	0.0	260.6355	0.0
load	N_1200160150	constant_power_C_reac	521.271	0.0	260.6355	0.0
load	N_1200160177	constant_power_A	2519.59	1561.5	1259.795	780.75
load	N_1200160177	constant_power_B	2519.59	1561.5	1259.795	780.75
load	N_1200160177	constant_power_C	2519.59	1561.5	1259.795	780.75
load	N_1200160177	constant_power_A_real	2519.59	0.0	1259.795	0.0
load	N_1200160177	constant_power_B_real	2519.59	0.0	1259.795	0.0
load	N_1200160177	constant_power_C_real	2519.59	0.0	1259.795	0.0
load	N_1200160177	constant_power_A_reac	1561.5	0.0	780.75	0.0
load	N_1200160177	constant_power_B_reac	1561.5	0.0	780.75	0.0
load	N_1200160177	constant_power_C_reac	1561.5	0.0	780.75	0.0
load	N_1200160159	constant_power_A	9809.75	5155.41	4904.875	2577.705
load	N_1200160159	constant_power_B	9809.75	5155.41	4904.875	2577.705
load	N_1200160159	constant_power_C	9809.75	5155.41	4904.875	2577.705
load	N_1200160159	constant_power_A_real	9809.75	0.0	4904.875	0.0
load	N_1200160159	constant_power_B_real	9809.75	0.0	4904.875	0.0
load	N_1200160159	constant_power_C_real	9809.75	0.0	4904.875	0.0
load	N_1200160159	constant_power_A_reac	5155.41	0.0	2577.705	0.0
load	N_1200160159	constant_power_B_reac	5155.41	0.0	2577.705	0.0
load	N_1200160159	constant_power_C_reac	5155.41	0.0	2577.705	0.0
load	N_1200160158	constant_power_A	2139.09	703.085	1069.545	351.5425
load	N_1200160158	constant_power_B	2139.09	703.085	1069.545	351.5425
load	N_1200160158	constant_power_A_real	2139.09	0.0	1069.545	0.0
load	N_1200160158	constant_power_B_real	2139.09	0.0	1069.545	0.0
load	N_1200160158	constant_power_A_reac	703.085	0.0	351.5425	0.0
load	N_1200160158	constant_power_B_reac	703.085	0.0	351.5425	0.0
load	N_1200109679	constant_power_A	1294.96	425.634	647.48	212.817
load	N_1200109679	constant_power_B	1294.96	425.634	647.48	212.817
load	N_1200109679	constant_power_A_real	1294.96	0.0	647.48	0.0
load	N_1200109679	constant_power_B_real	1294.96	0.0	647.48	0.0
load	N_1200109679	constant_power_A_reac	425.634	0.0	212.817	0.0
load	N_1200109679	constant_power_B_reac	425.634	0.0	212.817	0.0
load	N_1200109673	constant_power_A	898.482	295.317	449.241	147.6585
load	N_1200109673	constant_power_B	898.482	295.317	449.241	147.6585
load	N_1200109673	constant_power_C	898.482	295.317	449.241	147.6585
load	N_1200109673	constant_power_A_real	898.482	0.0	449.241	0.0
load	N_1200109673	constant_power_B_real	898.482	0.0	449.241	0.0
load	N_1200109673	constant_power_C_real	898.482	0.0	449.241	0.0
load	N_1200109673	constant_power_A_reac	295.317	0.0	147.6585	0.0
load	N_1200109673	constant_power_B_reac	295.317	0.0	147.6585	0.0
load	N_1200109673	constant_power_C_reac	295.317	0.0	147.6585	0.0
load	N_1200109670	constant_power_A	4153.48	1957.08	2076.74	978.54
load	N_1200109670	constant_power_B	4153.48	1957.08	2076.74	978.54

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200109670	constant_power_C	4153.48	1957.08	2076.74	978.54
load	N_1200109670	constant_power_A_real	4153.48	0.0	2076.74	0.0
load	N_1200109670	constant_power_B_real	4153.48	0.0	2076.74	0.0
load	N_1200109670	constant_power_C_real	4153.48	0.0	2076.74	0.0
load	N_1200109670	constant_power_A_reac	1957.08	0.0	978.54	0.0
load	N_1200109670	constant_power_B_reac	1957.08	0.0	978.54	0.0
load	N_1200109670	constant_power_C_reac	1957.08	0.0	978.54	0.0
load	N_1200129564	constant_power_A	2695.45	885.95	1347.725	442.975
load	N_1200129564	constant_power_B	2695.45	885.95	1347.725	442.975
load	N_1200129564	constant_power_A_real	2695.45	0.0	1347.725	0.0
load	N_1200129564	constant_power_B_real	2695.45	0.0	1347.725	0.0
load	N_1200129564	constant_power_A_reac	885.95	0.0	442.975	0.0
load	N_1200129564	constant_power_B_reac	885.95	0.0	442.975	0.0
load	N_1200130394	constant_power_A	1534.77	726.881	767.385	363.4405
load	N_1200130394	constant_power_B	1534.77	726.881	767.385	363.4405
load	N_1200130394	constant_power_C	1534.77	726.881	767.385	363.4405
load	N_1200130394	constant_power_A_real	1534.77	0.0	767.385	0.0
load	N_1200130394	constant_power_B_real	1534.77	0.0	767.385	0.0
load	N_1200130394	constant_power_C_real	1534.77	0.0	767.385	0.0
load	N_1200130394	constant_power_A_reac	726.881	0.0	363.4405	0.0
load	N_1200130394	constant_power_B_reac	726.881	0.0	363.4405	0.0
load	N_1200130394	constant_power_C_reac	726.881	0.0	363.4405	0.0
load	N_1200130395	constant_power_A	3534.77	1161.82	1767.385	580.91
load	N_1200130395	constant_power_B	3534.77	1161.82	1767.385	580.91
load	N_1200130395	constant_power_A_real	3534.77	0.0	1767.385	0.0
load	N_1200130395	constant_power_B_real	3534.77	0.0	1767.385	0.0
load	N_1200130395	constant_power_A_reac	1161.82	0.0	580.91	0.0
load	N_1200130395	constant_power_B_reac	1161.82	0.0	580.91	0.0
load	N_1200098688	constant_power_A	5477.22	1800.28	2738.61	900.14
load	N_1200098688	constant_power_B	5477.22	1800.28	2738.61	900.14
load	N_1200098688	constant_power_C	5477.22	1800.28	2738.61	900.14
load	N_1200098688	constant_power_A_real	5477.22	0.0	2738.61	0.0
load	N_1200098688	constant_power_B_real	5477.22	0.0	2738.61	0.0
load	N_1200098688	constant_power_C_real	5477.22	0.0	2738.61	0.0
load	N_1200098688	constant_power_A_reac	1800.28	0.0	900.14	0.0
load	N_1200098688	constant_power_B_reac	1800.28	0.0	900.14	0.0
load	N_1200098688	constant_power_C_reac	1800.28	0.0	900.14	0.0
load	N_1200130393	constant_power_A	4051.16	1383.67	2025.58	691.835
load	N_1200130393	constant_power_B	4051.16	1383.67	2025.58	691.835
load	N_1200130393	constant_power_C	4051.16	1383.67	2025.58	691.835
load	N_1200130393	constant_power_A_real	4051.16	0.0	2025.58	0.0
load	N_1200130393	constant_power_B_real	4051.16	0.0	2025.58	0.0
load	N_1200130393	constant_power_C_real	4051.16	0.0	2025.58	0.0
load	N_1200130393	constant_power_A_reac	1383.67	0.0	691.835	0.0
load	N_1200130393	constant_power_B_reac	1383.67	0.0	691.835	0.0
load	N_1200130393	constant_power_C_reac	1383.67	0.0	691.835	0.0
load	N_1200130265	constant_power_A	713.03	441.896	356.515	220.948
load	N_1200130265	constant_power_B	713.03	441.896	356.515	220.948
load	N_1200130265	constant_power_C	713.03	441.896	356.515	220.948
load	N_1200130265	constant_power_A_real	713.03	0.0	356.515	0.0
load	N_1200130265	constant_power_B_real	713.03	0.0	356.515	0.0
load	N_1200130265	constant_power_C_real	713.03	0.0	356.515	0.0
load	N_1200130265	constant_power_A_reac	441.896	0.0	220.948	0.0
load	N_1200130265	constant_power_B_reac	441.896	0.0	220.948	0.0
load	N_1200130265	constant_power_C_reac	441.896	0.0	220.948	0.0
load	N_1200105112	constant_power_A	1525.18	501.303	762.59	250.6515
load	N_1200105112	constant_power_B	1525.18	501.303	762.59	250.6515
load	N_1200105112	constant_power_C	1525.18	501.303	762.59	250.6515
load	N_1200105112	constant_power_A_real	1525.18	0.0	762.59	0.0
load	N_1200105112	constant_power_B_real	1525.18	0.0	762.59	0.0
load	N_1200105112	constant_power_C_real	1525.18	0.0	762.59	0.0
load	N_1200105112	constant_power_A_reac	501.303	0.0	250.6515	0.0
load	N_1200105112	constant_power_B_reac	501.303	0.0	250.6515	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200105112	constant_power_C_reac	501.303	0.0	250.6515	0.0
load	N_1200105113	constant_power_A	4095.93	2007.96	2047.965	1003.98
load	N_1200105113	constant_power_B	4095.93	2007.96	2047.965	1003.98
load	N_1200105113	constant_power_C	4095.93	2007.96	2047.965	1003.98
load	N_1200105113	constant_power_A_real	4095.93	0.0	2047.965	0.0
load	N_1200105113	constant_power_B_real	4095.93	0.0	2047.965	0.0
load	N_1200105113	constant_power_C_real	4095.93	0.0	2047.965	0.0
load	N_1200105113	constant_power_A_reac	2007.96	0.0	1003.98	0.0
load	N_1200105113	constant_power_B_reac	2007.96	0.0	1003.98	0.0
load	N_1200105113	constant_power_C_reac	2007.96	0.0	1003.98	0.0
load	N_1200130413	constant_power_A	3159.07	1187.24	1579.535	593.62
load	N_1200130413	constant_power_B	3159.07	1187.24	1579.535	593.62
load	N_1200130413	constant_power_C	3159.07	1187.24	1579.535	593.62
load	N_1200130413	constant_power_A_real	3159.07	0.0	1579.535	0.0
load	N_1200130413	constant_power_B_real	3159.07	0.0	1579.535	0.0
load	N_1200130413	constant_power_C_real	3159.07	0.0	1579.535	0.0
load	N_1200130413	constant_power_A_reac	1187.24	0.0	593.62	0.0
load	N_1200130413	constant_power_B_reac	1187.24	0.0	593.62	0.0
load	N_1200130413	constant_power_C_reac	1187.24	0.0	593.62	0.0
load	N_1200159251	constant_power_A	1490.01	489.742	745.005	244.871
load	N_1200159251	constant_power_B	1490.01	489.742	745.005	244.871
load	N_1200159251	constant_power_C	1490.01	489.742	745.005	244.871
load	N_1200159251	constant_power_A_real	1490.01	0.0	745.005	0.0
load	N_1200159251	constant_power_B_real	1490.01	0.0	745.005	0.0
load	N_1200159251	constant_power_C_real	1490.01	0.0	745.005	0.0
load	N_1200159251	constant_power_A_reac	489.742	0.0	244.871	0.0
load	N_1200159251	constant_power_B_reac	489.742	0.0	244.871	0.0
load	N_1200159251	constant_power_C_reac	489.742	0.0	244.871	0.0
load	N_1200159252	constant_power_A	8850.52	4982.51	4425.26	2491.255
load	N_1200159252	constant_power_B	8850.52	4982.51	4425.26	2491.255
load	N_1200159252	constant_power_C	8850.52	4982.51	4425.26	2491.255
load	N_1200159252	constant_power_A_real	8850.52	0.0	4425.26	0.0
load	N_1200159252	constant_power_B_real	8850.52	0.0	4425.26	0.0
load	N_1200159252	constant_power_C_real	8850.52	0.0	4425.26	0.0
load	N_1200159252	constant_power_A_reac	4982.51	0.0	2491.255	0.0
load	N_1200159252	constant_power_B_reac	4982.51	0.0	2491.255	0.0
load	N_1200159252	constant_power_C_reac	4982.51	0.0	2491.255	0.0
load	N_1200130410	constant_power_A	850.52	279.552	425.26	139.776
load	N_1200130410	constant_power_B	850.52	279.552	425.26	139.776
load	N_1200130410	constant_power_C	850.52	279.552	425.26	139.776
load	N_1200130410	constant_power_A_real	850.52	0.0	425.26	0.0
load	N_1200130410	constant_power_B_real	850.52	0.0	425.26	0.0
load	N_1200130410	constant_power_C_real	850.52	0.0	425.26	0.0
load	N_1200130410	constant_power_A_reac	279.552	0.0	139.776	0.0
load	N_1200130410	constant_power_B_reac	279.552	0.0	139.776	0.0
load	N_1200130410	constant_power_C_reac	279.552	0.0	139.776	0.0
load	N_1200159254	constant_power_A	4802.56	2976.36	2401.28	1488.18
load	N_1200159254	constant_power_B	4802.56	2976.36	2401.28	1488.18
load	N_1200159254	constant_power_C	4802.56	2976.36	2401.28	1488.18
load	N_1200159254	constant_power_A_real	4802.56	0.0	2401.28	0.0
load	N_1200159254	constant_power_B_real	4802.56	0.0	2401.28	0.0
load	N_1200159254	constant_power_C_real	4802.56	0.0	2401.28	0.0
load	N_1200159254	constant_power_A_reac	2976.36	0.0	1488.18	0.0
load	N_1200159254	constant_power_B_reac	2976.36	0.0	1488.18	0.0
load	N_1200159254	constant_power_C_reac	2976.36	0.0	1488.18	0.0
load	N_1200083956	constant_power_A	18139.1	11241.6	9069.55	5620.8
load	N_1200083956	constant_power_B	18139.1	11241.6	9069.55	5620.8
load	N_1200083956	constant_power_C	18139.1	11241.6	9069.55	5620.8
load	N_1200083956	constant_power_A_real	18139.1	0.0	9069.55	0.0
load	N_1200083956	constant_power_B_real	18139.1	0.0	9069.55	0.0
load	N_1200083956	constant_power_C_real	18139.1	0.0	9069.55	0.0
load	N_1200083956	constant_power_A_reac	11241.6	0.0	5620.8	0.0
load	N_1200083956	constant_power_B_reac	11241.6	0.0	5620.8	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200083956	constant_power_C_reac	11241.6	0.0	5620.8	0.0
load	N_1200083955	constant_power_A	35.172	11.5605	17.586	5.78025
load	N_1200083955	constant_power_B	35.172	11.5605	17.586	5.78025
load	N_1200083955	constant_power_C	35.172	11.5605	17.586	5.78025
load	N_1200083955	constant_power_A_real	35.172	0.0	17.586	0.0
load	N_1200083955	constant_power_B_real	35.172	0.0	17.586	0.0
load	N_1200083955	constant_power_C_real	35.172	0.0	17.586	0.0
load	N_1200083955	constant_power_A_reac	11.5605	0.0	5.78025	0.0
load	N_1200083955	constant_power_B_reac	11.5605	0.0	5.78025	0.0
load	N_1200083955	constant_power_C_reac	11.5605	0.0	5.78025	0.0
load	N_1200083954	constant_power_A	1074.34	665.817	537.17	332.9085
load	N_1200083954	constant_power_B	1074.34	665.817	537.17	332.9085
load	N_1200083954	constant_power_C	1074.34	665.817	537.17	332.9085
load	N_1200083954	constant_power_A_real	1074.34	0.0	537.17	0.0
load	N_1200083954	constant_power_B_real	1074.34	0.0	537.17	0.0
load	N_1200083954	constant_power_C_real	1074.34	0.0	537.17	0.0
load	N_1200083954	constant_power_A_reac	665.817	0.0	332.9085	0.0
load	N_1200083954	constant_power_B_reac	665.817	0.0	332.9085	0.0
load	N_1200083954	constant_power_C_reac	665.817	0.0	332.9085	0.0
load	N_1200159557	constant_power_A	4457.24	2762.35	2228.62	1381.175
load	N_1200159557	constant_power_B	4457.24	2762.35	2228.62	1381.175
load	N_1200159557	constant_power_C	4457.24	2762.35	2228.62	1381.175
load	N_1200159557	constant_power_A_real	4457.24	0.0	2228.62	0.0
load	N_1200159557	constant_power_B_real	4457.24	0.0	2228.62	0.0
load	N_1200159557	constant_power_C_real	4457.24	0.0	2228.62	0.0
load	N_1200159557	constant_power_A_reac	2762.35	0.0	1381.175	0.0
load	N_1200159557	constant_power_B_reac	2762.35	0.0	1381.175	0.0
load	N_1200159557	constant_power_C_reac	2762.35	0.0	1381.175	0.0
load	N_1200160273	constant_power_A	294.165	182.307	147.0825	91.1535
load	N_1200160273	constant_power_B	294.165	182.307	147.0825	91.1535
load	N_1200160273	constant_power_C	294.165	182.307	147.0825	91.1535
load	N_1200160273	constant_power_A_real	294.165	0.0	147.0825	0.0
load	N_1200160273	constant_power_B_real	294.165	0.0	147.0825	0.0
load	N_1200160273	constant_power_C_real	294.165	0.0	147.0825	0.0
load	N_1200160273	constant_power_A_reac	182.307	0.0	91.1535	0.0
load	N_1200160273	constant_power_B_reac	182.307	0.0	91.1535	0.0
load	N_1200160273	constant_power_C_reac	182.307	0.0	91.1535	0.0
load	N_1200159555	constant_power_A	6784.98	4204.95	3392.49	2102.475
load	N_1200159555	constant_power_B	6784.98	4204.95	3392.49	2102.475
load	N_1200159555	constant_power_C	6784.98	4204.95	3392.49	2102.475
load	N_1200159555	constant_power_A_real	6784.98	0.0	3392.49	0.0
load	N_1200159555	constant_power_B_real	6784.98	0.0	3392.49	0.0
load	N_1200159555	constant_power_C_real	6784.98	0.0	3392.49	0.0
load	N_1200159555	constant_power_A_reac	4204.95	0.0	2102.475	0.0
load	N_1200159555	constant_power_B_reac	4204.95	0.0	2102.475	0.0
load	N_1200159555	constant_power_C_reac	4204.95	0.0	2102.475	0.0
load	N_1200160271	constant_power_A	745.004	244.871	372.502	122.4355
load	N_1200160271	constant_power_B	745.004	244.871	372.502	122.4355
load	N_1200160271	constant_power_C	745.004	244.871	372.502	122.4355
load	N_1200160271	constant_power_A_real	745.004	0.0	372.502	0.0
load	N_1200160271	constant_power_B_real	745.004	0.0	372.502	0.0
load	N_1200160271	constant_power_C_real	745.004	0.0	372.502	0.0
load	N_1200160271	constant_power_A_reac	244.871	0.0	122.4355	0.0
load	N_1200160271	constant_power_B_reac	244.871	0.0	122.4355	0.0
load	N_1200160271	constant_power_C_reac	244.871	0.0	122.4355	0.0
load	N_1200159553	constant_power_A	3587.53	1179.16	1793.765	589.58
load	N_1200159553	constant_power_B	3587.53	1179.16	1793.765	589.58
load	N_1200159553	constant_power_C	3587.53	1179.16	1793.765	589.58
load	N_1200159553	constant_power_A_real	3587.53	0.0	1793.765	0.0
load	N_1200159553	constant_power_B_real	3587.53	0.0	1793.765	0.0
load	N_1200159553	constant_power_C_real	3587.53	0.0	1793.765	0.0
load	N_1200159553	constant_power_A_reac	1179.16	0.0	589.58	0.0
load	N_1200159553	constant_power_B_reac	1179.16	0.0	589.58	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200159553	constant_power_C_reac	1179.16	0.0	589.58	0.0
load	N_1200159552	constant_power_A	1656.28	544.392	828.14	272.196
load	N_1200159552	constant_power_B	1656.28	544.392	828.14	272.196
load	N_1200159552	constant_power_C	1656.28	544.392	828.14	272.196
load	N_1200159552	constant_power_A_real	1656.28	0.0	828.14	0.0
load	N_1200159552	constant_power_B_real	1656.28	0.0	828.14	0.0
load	N_1200159552	constant_power_C_real	1656.28	0.0	828.14	0.0
load	N_1200159552	constant_power_A_reac	544.392	0.0	272.196	0.0
load	N_1200159552	constant_power_B_reac	544.392	0.0	272.196	0.0
load	N_1200159552	constant_power_C_reac	544.392	0.0	272.196	0.0
load	N_1200160274	constant_power_A	15.9873	9.90806	7.99365	4.95403
load	N_1200160274	constant_power_B	15.9873	9.90806	7.99365	4.95403
load	N_1200160274	constant_power_C	15.9873	9.90806	7.99365	4.95403
load	N_1200160274	constant_power_A_real	15.9873	0.0	7.99365	0.0
load	N_1200160274	constant_power_B_real	15.9873	0.0	7.99365	0.0
load	N_1200160274	constant_power_C_real	15.9873	0.0	7.99365	0.0
load	N_1200160274	constant_power_A_reac	9.90806	0.0	4.95403	0.0
load	N_1200160274	constant_power_B_reac	9.90806	0.0	4.95403	0.0
load	N_1200160274	constant_power_C_reac	9.90806	0.0	4.95403	0.0
load	N_1200159550	constant_power_A	2362.91	776.651	1181.455	388.3255
load	N_1200159550	constant_power_B	2362.91	776.651	1181.455	388.3255
load	N_1200159550	constant_power_C	2362.91	776.651	1181.455	388.3255
load	N_1200159550	constant_power_A_real	2362.91	0.0	1181.455	0.0
load	N_1200159550	constant_power_B_real	2362.91	0.0	1181.455	0.0
load	N_1200159550	constant_power_C_real	2362.91	0.0	1181.455	0.0
load	N_1200159550	constant_power_A_reac	776.651	0.0	388.3255	0.0
load	N_1200159550	constant_power_B_reac	776.651	0.0	388.3255	0.0
load	N_1200159550	constant_power_C_reac	776.651	0.0	388.3255	0.0
load	N_1200109006	constant_power_A	2183.85	1353.43	1091.925	676.715
load	N_1200109006	constant_power_B	2183.85	1353.43	1091.925	676.715
load	N_1200109006	constant_power_C	2183.85	1353.43	1091.925	676.715
load	N_1200109006	constant_power_A_real	2183.85	0.0	1091.925	0.0
load	N_1200109006	constant_power_B_real	2183.85	0.0	1091.925	0.0
load	N_1200109006	constant_power_C_real	2183.85	0.0	1091.925	0.0
load	N_1200109006	constant_power_A_reac	1353.43	0.0	676.715	0.0
load	N_1200109006	constant_power_B_reac	1353.43	0.0	676.715	0.0
load	N_1200109006	constant_power_C_reac	1353.43	0.0	676.715	0.0
load	N_1200109838	constant_power_A	2254.2	917.742	1127.1	458.871
load	N_1200109838	constant_power_B	2254.2	917.742	1127.1	458.871
load	N_1200109838	constant_power_C	2254.2	917.742	1127.1	458.871
load	N_1200109838	constant_power_A_real	2254.2	0.0	1127.1	0.0
load	N_1200109838	constant_power_B_real	2254.2	0.0	1127.1	0.0
load	N_1200109838	constant_power_C_real	2254.2	0.0	1127.1	0.0
load	N_1200109838	constant_power_A_reac	917.742	0.0	458.871	0.0
load	N_1200109838	constant_power_B_reac	917.742	0.0	458.871	0.0
load	N_1200109838	constant_power_C_reac	917.742	0.0	458.871	0.0
load	N_1200130307	constant_power_A	1889.69	621.111	944.845	310.5555
load	N_1200130307	constant_power_B	1889.69	621.111	944.845	310.5555
load	N_1200130307	constant_power_C	1889.69	621.111	944.845	310.5555
load	N_1200130307	constant_power_A_real	1889.69	0.0	944.845	0.0
load	N_1200130307	constant_power_B_real	1889.69	0.0	944.845	0.0
load	N_1200130307	constant_power_C_real	1889.69	0.0	944.845	0.0
load	N_1200130307	constant_power_A_reac	621.111	0.0	310.5555	0.0
load	N_1200130307	constant_power_B_reac	621.111	0.0	310.5555	0.0
load	N_1200130307	constant_power_C_reac	621.111	0.0	310.5555	0.0
load	N_1200094369	constant_power_A	3600.32	1953.95	1800.16	976.975
load	N_1200094369	constant_power_B	3600.32	1953.95	1800.16	976.975
load	N_1200094369	constant_power_C	3600.32	1953.95	1800.16	976.975
load	N_1200094369	constant_power_A_real	3600.32	0.0	1800.16	0.0
load	N_1200094369	constant_power_B_real	3600.32	0.0	1800.16	0.0
load	N_1200094369	constant_power_C_real	3600.32	0.0	1800.16	0.0
load	N_1200094369	constant_power_A_reac	1953.95	0.0	976.975	0.0
load	N_1200094369	constant_power_B_reac	1953.95	0.0	976.975	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200094369	constant_power_C_reac	1953.95	0.0	976.975	0.0
load	N_1200127693	constant_power_A	10110.3	3323.1	5055.15	1661.55
load	N_1200127693	constant_power_B	10110.3	3323.1	5055.15	1661.55
load	N_1200127693	constant_power_C	10110.3	3323.1	5055.15	1661.55
load	N_1200127693	constant_power_A_real	10110.3	0.0	5055.15	0.0
load	N_1200127693	constant_power_B_real	10110.3	0.0	5055.15	0.0
load	N_1200127693	constant_power_C_real	10110.3	0.0	5055.15	0.0
load	N_1200127693	constant_power_A_reac	3323.1	0.0	1661.55	0.0
load	N_1200127693	constant_power_B_reac	3323.1	0.0	1661.55	0.0
load	N_1200127693	constant_power_C_reac	3323.1	0.0	1661.55	0.0
load	N_1200127692	constant_power_A	10119.9	3326.25	5059.95	1663.125
load	N_1200127692	constant_power_B	10119.9	3326.25	5059.95	1663.125
load	N_1200127692	constant_power_C	10119.9	3326.25	5059.95	1663.125
load	N_1200127692	constant_power_A_real	10119.9	0.0	5059.95	0.0
load	N_1200127692	constant_power_B_real	10119.9	0.0	5059.95	0.0
load	N_1200127692	constant_power_C_real	10119.9	0.0	5059.95	0.0
load	N_1200127692	constant_power_A_reac	3326.25	0.0	1663.125	0.0
load	N_1200127692	constant_power_B_reac	3326.25	0.0	1663.125	0.0
load	N_1200127692	constant_power_C_reac	3326.25	0.0	1663.125	0.0
load	N_1200130303	constant_power_A	588.33	193.375	294.165	96.6875
load	N_1200130303	constant_power_B	588.33	193.375	294.165	96.6875
load	N_1200130303	constant_power_C	588.33	193.375	294.165	96.6875
load	N_1200130303	constant_power_A_real	588.33	0.0	294.165	0.0
load	N_1200130303	constant_power_B_real	588.33	0.0	294.165	0.0
load	N_1200130303	constant_power_C_real	588.33	0.0	294.165	0.0
load	N_1200130303	constant_power_A_reac	193.375	0.0	96.6875	0.0
load	N_1200130303	constant_power_B_reac	193.375	0.0	96.6875	0.0
load	N_1200130303	constant_power_C_reac	193.375	0.0	96.6875	0.0
load	N_1200030956	constant_power_A	2650.68	874.029	1325.34	437.0145
load	N_1200030956	constant_power_B	2650.68	874.029	1325.34	437.0145
load	N_1200030956	constant_power_C	2650.68	874.029	1325.34	437.0145
load	N_1200030956	constant_power_A_real	2650.68	0.0	1325.34	0.0
load	N_1200030956	constant_power_B_real	2650.68	0.0	1325.34	0.0
load	N_1200030956	constant_power_C_real	2650.68	0.0	1325.34	0.0
load	N_1200030956	constant_power_A_reac	874.029	0.0	437.0145	0.0
load	N_1200030956	constant_power_B_reac	874.029	0.0	437.0145	0.0
load	N_1200030956	constant_power_C_reac	874.029	0.0	437.0145	0.0
load	N_1200030951	constant_power_A	2385.29	1113.46	1192.645	556.73
load	N_1200030951	constant_power_B	2385.29	1113.46	1192.645	556.73
load	N_1200030951	constant_power_C	2385.29	1113.46	1192.645	556.73
load	N_1200030951	constant_power_A_real	2385.29	0.0	1192.645	0.0
load	N_1200030951	constant_power_B_real	2385.29	0.0	1192.645	0.0
load	N_1200030951	constant_power_C_real	2385.29	0.0	1192.645	0.0
load	N_1200030951	constant_power_A_reac	1113.46	0.0	556.73	0.0
load	N_1200030951	constant_power_B_reac	1113.46	0.0	556.73	0.0
load	N_1200030951	constant_power_C_reac	1113.46	0.0	556.73	0.0
load	N_1200109681	constant_power_A	1039.17	341.558	519.585	170.779
load	N_1200109681	constant_power_B	1039.17	341.558	519.585	170.779
load	N_1200109681	constant_power_C	1039.17	341.558	519.585	170.779
load	N_1200109681	constant_power_A_real	1039.17	0.0	519.585	0.0
load	N_1200109681	constant_power_B_real	1039.17	0.0	519.585	0.0
load	N_1200109681	constant_power_C_real	1039.17	0.0	519.585	0.0
load	N_1200109681	constant_power_A_reac	341.558	0.0	170.779	0.0
load	N_1200109681	constant_power_B_reac	341.558	0.0	170.779	0.0
load	N_1200109681	constant_power_C_reac	341.558	0.0	170.779	0.0
load	N_1200130309	constant_power_A	2068.75	679.964	1034.375	339.982
load	N_1200130309	constant_power_B	2068.75	679.964	1034.375	339.982
load	N_1200130309	constant_power_C	2068.75	679.964	1034.375	339.982
load	N_1200130309	constant_power_A_real	2068.75	0.0	1034.375	0.0
load	N_1200130309	constant_power_B_real	2068.75	0.0	1034.375	0.0
load	N_1200130309	constant_power_C_real	2068.75	0.0	1034.375	0.0
load	N_1200130309	constant_power_A_reac	679.964	0.0	339.982	0.0
load	N_1200130309	constant_power_B_reac	679.964	0.0	339.982	0.0

Table 13: Validation data for loadfactor PG&E MC0006 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1200130309	constant_power_C_reac	679.964	0.0	339.982	0.0
load	N_1200090834	constant_power_A	1074.34	485.271	537.17	242.6355
load	N_1200090834	constant_power_B	1074.34	485.271	537.17	242.6355
load	N_1200090834	constant_power_C	1074.34	485.271	537.17	242.6355
load	N_1200090834	constant_power_A_real	1074.34	0.0	537.17	0.0
load	N_1200090834	constant_power_B_real	1074.34	0.0	537.17	0.0
load	N_1200090834	constant_power_C_real	1074.34	0.0	537.17	0.0
load	N_1200090834	constant_power_A_reac	485.271	0.0	242.6355	0.0
load	N_1200090834	constant_power_B_reac	485.271	0.0	242.6355	0.0
load	N_1200090834	constant_power_C_reac	485.271	0.0	242.6355	0.0
load	N_1200130304	constant_power_A	329.337	108.248	164.6685	54.124
load	N_1200130304	constant_power_B	329.337	108.248	164.6685	54.124
load	N_1200130304	constant_power_C	329.337	108.248	164.6685	54.124
load	N_1200130304	constant_power_A_real	329.337	0.0	164.6685	0.0
load	N_1200130304	constant_power_B_real	329.337	0.0	164.6685	0.0
load	N_1200130304	constant_power_C_real	329.337	0.0	164.6685	0.0
load	N_1200130304	constant_power_A_reac	108.248	0.0	54.124	0.0
load	N_1200130304	constant_power_B_reac	108.248	0.0	54.124	0.0
load	N_1200130304	constant_power_C_reac	108.248	0.0	54.124	0.0
load	N_1200090830	constant_power_A	271.783	102.36	135.8915	51.18
load	N_1200090830	constant_power_B	271.783	102.36	135.8915	51.18
load	N_1200090830	constant_power_C	271.783	102.36	135.8915	51.18
load	N_1200090830	constant_power_A_real	271.783	0.0	135.8915	0.0
load	N_1200090830	constant_power_B_real	271.783	0.0	135.8915	0.0
load	N_1200090830	constant_power_C_real	271.783	0.0	135.8915	0.0
load	N_1200090830	constant_power_A_reac	102.36	0.0	51.18	0.0
load	N_1200090830	constant_power_B_reac	102.36	0.0	51.18	0.0
load	N_1200090830	constant_power_C_reac	102.36	0.0	51.18	0.0
load	N_1200090831	constant_power_A	2043.17	671.556	1021.585	335.778
load	N_1200090831	constant_power_B	2043.17	671.556	1021.585	335.778
load	N_1200090831	constant_power_C	2043.17	671.556	1021.585	335.778
load	N_1200090831	constant_power_A_real	2043.17	0.0	1021.585	0.0
load	N_1200090831	constant_power_B_real	2043.17	0.0	1021.585	0.0
load	N_1200090831	constant_power_C_real	2043.17	0.0	1021.585	0.0
load	N_1200090831	constant_power_A_reac	671.556	0.0	335.778	0.0
load	N_1200090831	constant_power_B_reac	671.556	0.0	335.778	0.0
load	N_1200090831	constant_power_C_reac	671.556	0.0	335.778	0.0
load	N_1200130301	constant_power_A	15369.3	8447.35	7684.65	4223.675
load	N_1200130301	constant_power_B	15369.3	8447.35	7684.65	4223.675
load	N_1200130301	constant_power_C	15369.3	8447.35	7684.65	4223.675
load	N_1200130301	constant_power_A_real	15369.3	0.0	7684.65	0.0
load	N_1200130301	constant_power_B_real	15369.3	0.0	7684.65	0.0
load	N_1200130301	constant_power_C_real	15369.3	0.0	7684.65	0.0
load	N_1200130301	constant_power_A_reac	8447.35	0.0	4223.675	0.0
load	N_1200130301	constant_power_B_reac	8447.35	0.0	4223.675	0.0
load	N_1200130301	constant_power_C_reac	8447.35	0.0	4223.675	0.0
load	N_1200130300	constant_power_A	2244.61	944.37	1122.305	472.185
load	N_1200130300	constant_power_B	2244.61	944.37	1122.305	472.185
load	N_1200130300	constant_power_C	2244.61	944.37	1122.305	472.185
load	N_1200130300	constant_power_A_real	2244.61	0.0	1122.305	0.0
load	N_1200130300	constant_power_B_real	2244.61	0.0	1122.305	0.0
load	N_1200130300	constant_power_C_real	2244.61	0.0	1122.305	0.0
load	N_1200130300	constant_power_A_reac	944.37	0.0	472.185	0.0
load	N_1200130300	constant_power_B_reac	944.37	0.0	472.185	0.0
load	N_1200130300	constant_power_C_reac	944.37	0.0	472.185	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100020401	constant_power_A	3806.88	2359.29	1903.44	1179.645
load	N_100020401	constant_power_B	3806.88	2359.29	1903.44	1179.645
load	N_100020401	constant_power_C	3806.88	2359.29	1903.44	1179.645

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100020401	constant_power_A_real	3806.88	0.0	1903.44	0.0
load	N_100020401	constant_power_B_real	3806.88	0.0	1903.44	0.0
load	N_100020401	constant_power_C_real	3806.88	0.0	1903.44	0.0
load	N_100020401	constant_power_A_reac	2359.29	0.0	1179.645	0.0
load	N_100020401	constant_power_B_reac	2359.29	0.0	1179.645	0.0
load	N_100020401	constant_power_C_reac	2359.29	0.0	1179.645	0.0
load	N_100013792	constant_power_A	661.112	217.297	330.556	108.6485
load	N_100013792	constant_power_B	661.112	217.297	330.556	108.6485
load	N_100013792	constant_power_C	661.112	217.297	330.556	108.6485
load	N_100013792	constant_power_A_real	661.112	0.0	330.556	0.0
load	N_100013792	constant_power_B_real	661.112	0.0	330.556	0.0
load	N_100013792	constant_power_C_real	661.112	0.0	330.556	0.0
load	N_100013792	constant_power_A_reac	217.297	0.0	108.6485	0.0
load	N_100013792	constant_power_B_reac	217.297	0.0	108.6485	0.0
load	N_100013792	constant_power_C_reac	217.297	0.0	108.6485	0.0
load	N_100004457	constant_power_A	15095.9	4961.78	7547.95	2480.89
load	N_100004457	constant_power_B	15095.9	4961.78	7547.95	2480.89
load	N_100004457	constant_power_A_real	15095.9	0.0	7547.95	0.0
load	N_100004457	constant_power_B_real	15095.9	0.0	7547.95	0.0
load	N_100004457	constant_power_A_reac	4961.78	0.0	2480.89	0.0
load	N_100004457	constant_power_B_reac	4961.78	0.0	2480.89	0.0
load	N_100093881	constant_power_A	3618.88	1189.47	1809.44	594.735
load	N_100093881	constant_power_B	3618.88	1189.47	1809.44	594.735
load	N_100093881	constant_power_C	3618.88	1189.47	1809.44	594.735
load	N_100093881	constant_power_A_real	3618.88	0.0	1809.44	0.0
load	N_100093881	constant_power_B_real	3618.88	0.0	1809.44	0.0
load	N_100093881	constant_power_C_real	3618.88	0.0	1809.44	0.0
load	N_100093881	constant_power_A_reac	1189.47	0.0	594.735	0.0
load	N_100093881	constant_power_B_reac	1189.47	0.0	594.735	0.0
load	N_100093881	constant_power_C_reac	1189.47	0.0	594.735	0.0
load	N_100093880	constant_power_A	2434.52	800.188	1217.26	400.094
load	N_100093880	constant_power_B	2434.52	800.188	1217.26	400.094
load	N_100093880	constant_power_C	2434.52	800.188	1217.26	400.094
load	N_100093880	constant_power_A_real	2434.52	0.0	1217.26	0.0
load	N_100093880	constant_power_B_real	2434.52	0.0	1217.26	0.0
load	N_100093880	constant_power_C_real	2434.52	0.0	1217.26	0.0
load	N_100093880	constant_power_A_reac	800.188	0.0	400.094	0.0
load	N_100093880	constant_power_B_reac	800.188	0.0	400.094	0.0
load	N_100093880	constant_power_C_reac	800.188	0.0	400.094	0.0
load	N_100093883	constant_power_A	8102.53	2663.17	4051.265	1331.585
load	N_100093883	constant_power_B	8102.53	2663.17	4051.265	1331.585
load	N_100093883	constant_power_C	8102.53	2663.17	4051.265	1331.585
load	N_100093883	constant_power_A_real	8102.53	0.0	4051.265	0.0
load	N_100093883	constant_power_B_real	8102.53	0.0	4051.265	0.0
load	N_100093883	constant_power_C_real	8102.53	0.0	4051.265	0.0
load	N_100093883	constant_power_A_reac	2663.17	0.0	1331.585	0.0
load	N_100093883	constant_power_B_reac	2663.17	0.0	1331.585	0.0
load	N_100093883	constant_power_C_reac	2663.17	0.0	1331.585	0.0
load	N_100093882	constant_power_A	8199.66	2695.1	4099.83	1347.55
load	N_100093882	constant_power_B	8199.66	2695.1	4099.83	1347.55
load	N_100093882	constant_power_C	8199.66	2695.1	4099.83	1347.55
load	N_100093882	constant_power_A_real	8199.66	0.0	4099.83	0.0
load	N_100093882	constant_power_B_real	8199.66	0.0	4099.83	0.0
load	N_100093882	constant_power_C_real	8199.66	0.0	4099.83	0.0
load	N_100093882	constant_power_A_reac	2695.1	0.0	1347.55	0.0
load	N_100093882	constant_power_B_reac	2695.1	0.0	1347.55	0.0
load	N_100093882	constant_power_C_reac	2695.1	0.0	1347.55	0.0
load	N_100093639	constant_power_A	8027.34	2638.46	4013.67	1319.23
load	N_100093639	constant_power_B	8027.34	2638.46	4013.67	1319.23
load	N_100093639	constant_power_A_real	8027.34	0.0	4013.67	0.0
load	N_100093639	constant_power_B_real	8027.34	0.0	4013.67	0.0
load	N_100093639	constant_power_A_reac	2638.46	0.0	1319.23	0.0
load	N_100093639	constant_power_B_reac	2638.46	0.0	1319.23	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100078015	constant_power_A	31160.0	10241.8	15580.0	5120.9
load	N_100078015	constant_power_B	31160.0	10241.8	15580.0	5120.9
load	N_100078015	constant_power_A_real	31160.0	0.0	15580.0	0.0
load	N_100078015	constant_power_B_real	31160.0	0.0	15580.0	0.0
load	N_100078015	constant_power_A_reac	10241.8	0.0	5120.9	0.0
load	N_100078015	constant_power_B_reac	10241.8	0.0	5120.9	0.0
load	N_100083944	constant_power_A	9775.68	3213.11	4887.84	1606.555
load	N_100083944	constant_power_B	9775.68	3213.11	4887.84	1606.555
load	N_100083944	constant_power_C	9775.68	3213.11	4887.84	1606.555
load	N_100083944	constant_power_A_real	9775.68	0.0	4887.84	0.0
load	N_100083944	constant_power_B_real	9775.68	0.0	4887.84	0.0
load	N_100083944	constant_power_C_real	9775.68	0.0	4887.84	0.0
load	N_100083944	constant_power_A_reac	3213.11	0.0	1606.555	0.0
load	N_100083944	constant_power_B_reac	3213.11	0.0	1606.555	0.0
load	N_100083944	constant_power_C_reac	3213.11	0.0	1606.555	0.0
load	N_100078017	constant_power_A	12637.9	4153.87	6318.95	2076.935
load	N_100078017	constant_power_B	12637.9	4153.87	6318.95	2076.935
load	N_100078017	constant_power_A_real	12637.9	0.0	6318.95	0.0
load	N_100078017	constant_power_B_real	12637.9	0.0	6318.95	0.0
load	N_100078017	constant_power_A_reac	4153.87	0.0	2076.935	0.0
load	N_100078017	constant_power_B_reac	4153.87	0.0	2076.935	0.0
load	N_100164395	constant_power_A	5047.64	1659.08	2523.82	829.54
load	N_100164395	constant_power_B	5047.64	1659.08	2523.82	829.54
load	N_100164395	constant_power_A_real	5047.64	0.0	2523.82	0.0
load	N_100164395	constant_power_B_real	5047.64	0.0	2523.82	0.0
load	N_100164395	constant_power_A_reac	1659.08	0.0	829.54	0.0
load	N_100164395	constant_power_B_reac	1659.08	0.0	829.54	0.0
load	N_100083943	constant_power_A	11520.9	3944.5	5760.45	1972.25
load	N_100083943	constant_power_B	11520.9	3944.5	5760.45	1972.25
load	N_100083943	constant_power_C	11520.9	3944.5	5760.45	1972.25
load	N_100083943	constant_power_A_real	11520.9	0.0	5760.45	0.0
load	N_100083943	constant_power_B_real	11520.9	0.0	5760.45	0.0
load	N_100083943	constant_power_C_real	11520.9	0.0	5760.45	0.0
load	N_100083943	constant_power_A_reac	3944.5	0.0	1972.25	0.0
load	N_100083943	constant_power_B_reac	3944.5	0.0	1972.25	0.0
load	N_100083943	constant_power_C_reac	3944.5	0.0	1972.25	0.0
load	N_100051587	constant_power_A	689.311	427.196	344.6555	213.598
load	N_100051587	constant_power_B	689.311	427.196	344.6555	213.598
load	N_100051587	constant_power_C	689.311	427.196	344.6555	213.598
load	N_100051587	constant_power_A_real	689.311	0.0	344.6555	0.0
load	N_100051587	constant_power_B_real	689.311	0.0	344.6555	0.0
load	N_100051587	constant_power_C_real	689.311	0.0	344.6555	0.0
load	N_100051587	constant_power_A_reac	427.196	0.0	213.598	0.0
load	N_100051587	constant_power_B_reac	427.196	0.0	213.598	0.0
load	N_100051587	constant_power_C_reac	427.196	0.0	213.598	0.0
load	N_100051585	constant_power_A	343.089	112.768	171.5445	56.384
load	N_100051585	constant_power_B	343.089	112.768	171.5445	56.384
load	N_100051585	constant_power_A_real	343.089	0.0	171.5445	0.0
load	N_100051585	constant_power_B_real	343.089	0.0	171.5445	0.0
load	N_100051585	constant_power_A_reac	112.768	0.0	56.384	0.0
load	N_100051585	constant_power_B_reac	112.768	0.0	56.384	0.0
load	N_100051581	constant_power_B	6434.09	2114.78	3217.045	1057.39
load	N_100051581	constant_power_C	6434.09	2114.78	3217.045	1057.39
load	N_100051581	constant_power_B_real	6434.09	0.0	3217.045	0.0
load	N_100051581	constant_power_C_real	6434.09	0.0	3217.045	0.0
load	N_100051581	constant_power_B_reac	2114.78	0.0	1057.39	0.0
load	N_100051581	constant_power_C_reac	2114.78	0.0	1057.39	0.0
load	N_100071005	constant_power_A	21102.3	6935.99	10551.15	3467.995
load	N_100071005	constant_power_C	21102.3	6935.99	10551.15	3467.995
load	N_100071005	constant_power_A_real	21102.3	0.0	10551.15	0.0
load	N_100071005	constant_power_C_real	21102.3	0.0	10551.15	0.0
load	N_100071005	constant_power_A_reac	6935.99	0.0	3467.995	0.0
load	N_100071005	constant_power_C_reac	6935.99	0.0	3467.995	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100352391	constant_power_B	18935.7	6223.86	9467.85	3111.93
load	N_100352391	constant_power_C	18935.7	6223.86	9467.85	3111.93
load	N_100352391	constant_power_B_real	18935.7	0.0	9467.85	0.0
load	N_100352391	constant_power_C_real	18935.7	0.0	9467.85	0.0
load	N_100352391	constant_power_B_reac	6223.86	0.0	3111.93	0.0
load	N_100352391	constant_power_C_reac	6223.86	0.0	3111.93	0.0
load	N_100004532	constant_power_B	5277.93	1753.92	2638.965	876.96
load	N_100004532	constant_power_C	5277.93	1753.92	2638.965	876.96
load	N_100004532	constant_power_B_real	5277.93	0.0	2638.965	0.0
load	N_100004532	constant_power_C_real	5277.93	0.0	2638.965	0.0
load	N_100004532	constant_power_B_reac	1753.92	0.0	876.96	0.0
load	N_100004532	constant_power_C_reac	1753.92	0.0	876.96	0.0
load	N_100110171	constant_power_A	5179.23	1702.33	2589.615	851.165
load	N_100110171	constant_power_B	5179.23	1702.33	2589.615	851.165
load	N_100110171	constant_power_A_real	5179.23	0.0	2589.615	0.0
load	N_100110171	constant_power_B_real	5179.23	0.0	2589.615	0.0
load	N_100110171	constant_power_A_reac	1702.33	0.0	851.165	0.0
load	N_100110171	constant_power_B_reac	1702.33	0.0	851.165	0.0
load	N_100003168	constant_power_A	12887.0	4235.74	6443.5	2117.87
load	N_100003168	constant_power_B	12887.0	4235.74	6443.5	2117.87
load	N_100003168	constant_power_A_real	12887.0	0.0	6443.5	0.0
load	N_100003168	constant_power_B_real	12887.0	0.0	6443.5	0.0
load	N_100003168	constant_power_A_reac	4235.74	0.0	2117.87	0.0
load	N_100003168	constant_power_B_reac	4235.74	0.0	2117.87	0.0
load	N_100013837	constant_power_A	129667.0	80360.2	64833.5	40180.1
load	N_100013837	constant_power_B	129667.0	80360.2	64833.5	40180.1
load	N_100013837	constant_power_C	129667.0	80360.2	64833.5	40180.1
load	N_100013837	constant_power_A_real	129667.0	0.0	64833.5	0.0
load	N_100013837	constant_power_B_real	129667.0	0.0	64833.5	0.0
load	N_100013837	constant_power_C_real	129667.0	0.0	64833.5	0.0
load	N_100013837	constant_power_A_reac	80360.2	0.0	40180.1	0.0
load	N_100013837	constant_power_B_reac	80360.2	0.0	40180.1	0.0
load	N_100013837	constant_power_C_reac	80360.2	0.0	40180.1	0.0
load	N_100093885	constant_power_A	8882.71	2919.61	4441.355	1459.805
load	N_100093885	constant_power_B	8882.71	2919.61	4441.355	1459.805
load	N_100093885	constant_power_C	8882.71	2919.61	4441.355	1459.805
load	N_100093885	constant_power_A_real	8882.71	0.0	4441.355	0.0
load	N_100093885	constant_power_B_real	8882.71	0.0	4441.355	0.0
load	N_100093885	constant_power_C_real	8882.71	0.0	4441.355	0.0
load	N_100093885	constant_power_A_reac	2919.61	0.0	1459.805	0.0
load	N_100093885	constant_power_B_reac	2919.61	0.0	1459.805	0.0
load	N_100093885	constant_power_C_reac	2919.61	0.0	1459.805	0.0
load	N_100071002	constant_power_A	13122.0	4312.98	6561.0	2156.49
load	N_100071002	constant_power_C	13122.0	4312.98	6561.0	2156.49
load	N_100071002	constant_power_A_real	13122.0	0.0	6561.0	0.0
load	N_100071002	constant_power_C_real	13122.0	0.0	6561.0	0.0
load	N_100071002	constant_power_A_reac	4312.98	0.0	2156.49	0.0
load	N_100071002	constant_power_C_reac	4312.98	0.0	2156.49	0.0
load	N_100013838	constant_power_A	7666.67	4751.37	3833.335	2375.685
load	N_100013838	constant_power_B	7666.67	4751.37	3833.335	2375.685
load	N_100013838	constant_power_C	7666.67	4751.37	3833.335	2375.685
load	N_100013838	constant_power_A_real	7666.67	0.0	3833.335	0.0
load	N_100013838	constant_power_B_real	7666.67	0.0	3833.335	0.0
load	N_100013838	constant_power_C_real	7666.67	0.0	3833.335	0.0
load	N_100013838	constant_power_A_reac	4751.37	0.0	2375.685	0.0
load	N_100013838	constant_power_B_reac	4751.37	0.0	2375.685	0.0
load	N_100013838	constant_power_C_reac	4751.37	0.0	2375.685	0.0
load	N_100093884	constant_power_A	6943.24	2282.13	3471.62	1141.065
load	N_100093884	constant_power_B	6943.24	2282.13	3471.62	1141.065
load	N_100093884	constant_power_C	6943.24	2282.13	3471.62	1141.065
load	N_100093884	constant_power_A_real	6943.24	0.0	3471.62	0.0
load	N_100093884	constant_power_B_real	6943.24	0.0	3471.62	0.0
load	N_100093884	constant_power_C_real	6943.24	0.0	3471.62	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100093884	constant_power_A_reac	2282.13	0.0	1141.065	0.0
load	N_100093884	constant_power_B_reac	2282.13	0.0	1141.065	0.0
load	N_100093884	constant_power_C_reac	2282.13	0.0	1141.065	0.0
load	N_100093641	constant_power_A	11007.0	3617.84	5503.5	1808.92
load	N_100093641	constant_power_B	11007.0	3617.84	5503.5	1808.92
load	N_100093641	constant_power_A_real	11007.0	0.0	5503.5	0.0
load	N_100093641	constant_power_B_real	11007.0	0.0	5503.5	0.0
load	N_100093641	constant_power_A_reac	3617.84	0.0	1808.92	0.0
load	N_100093641	constant_power_B_reac	3617.84	0.0	1808.92	0.0
load	N_100110680	constant_power_A	16449.4	10194.4	8224.7	5097.2
load	N_100110680	constant_power_B	16449.4	10194.4	8224.7	5097.2
load	N_100110680	constant_power_C	16449.4	10194.4	8224.7	5097.2
load	N_100110680	constant_power_A_real	16449.4	0.0	8224.7	0.0
load	N_100110680	constant_power_B_real	16449.4	0.0	8224.7	0.0
load	N_100110680	constant_power_C_real	16449.4	0.0	8224.7	0.0
load	N_100110680	constant_power_A_reac	10194.4	0.0	5097.2	0.0
load	N_100110680	constant_power_B_reac	10194.4	0.0	5097.2	0.0
load	N_100110680	constant_power_C_reac	10194.4	0.0	5097.2	0.0
load	N_100093644	constant_power_A	24838.7	8164.08	12419.35	4082.04
load	N_100093644	constant_power_B	24838.7	8164.08	12419.35	4082.04
load	N_100093644	constant_power_A_real	24838.7	0.0	12419.35	0.0
load	N_100093644	constant_power_B_real	24838.7	0.0	12419.35	0.0
load	N_100093644	constant_power_A_reac	8164.08	0.0	4082.04	0.0
load	N_100093644	constant_power_B_reac	8164.08	0.0	4082.04	0.0
load	N_100092305	constant_power_A	1917.54	1188.38	958.77	594.19
load	N_100092305	constant_power_B	1917.54	1188.38	958.77	594.19
load	N_100092305	constant_power_C	1917.54	1188.38	958.77	594.19
load	N_100092305	constant_power_A_real	1917.54	0.0	958.77	0.0
load	N_100092305	constant_power_B_real	1917.54	0.0	958.77	0.0
load	N_100092305	constant_power_C_real	1917.54	0.0	958.77	0.0
load	N_100092305	constant_power_A_reac	1188.38	0.0	594.19	0.0
load	N_100092305	constant_power_B_reac	1188.38	0.0	594.19	0.0
load	N_100092305	constant_power_C_reac	1188.38	0.0	594.19	0.0
load	N_100050360	constant_power_A	4587.05	1507.69	2293.525	753.845
load	N_100050360	constant_power_C	4587.05	1507.69	2293.525	753.845
load	N_100050360	constant_power_A_real	4587.05	0.0	2293.525	0.0
load	N_100050360	constant_power_C_real	4587.05	0.0	2293.525	0.0
load	N_100050360	constant_power_A_reac	1507.69	0.0	753.845	0.0
load	N_100050360	constant_power_C_reac	1507.69	0.0	753.845	0.0
load	N_100123956	constant_power_A	16000.0	9915.91	8000.0	4957.955
load	N_100123956	constant_power_B	16000.0	9915.91	8000.0	4957.955
load	N_100123956	constant_power_C	16000.0	9915.91	8000.0	4957.955
load	N_100123956	constant_power_A_real	16000.0	0.0	8000.0	0.0
load	N_100123956	constant_power_B_real	16000.0	0.0	8000.0	0.0
load	N_100123956	constant_power_C_real	16000.0	0.0	8000.0	0.0
load	N_100123956	constant_power_A_reac	9915.91	0.0	4957.955	0.0
load	N_100123956	constant_power_B_reac	9915.91	0.0	4957.955	0.0
load	N_100123956	constant_power_C_reac	9915.91	0.0	4957.955	0.0
load	N_100050367	constant_power_A	1066.87	350.662	533.435	175.331
load	N_100050367	constant_power_C	1066.87	350.662	533.435	175.331
load	N_100050367	constant_power_A_real	1066.87	0.0	533.435	0.0
load	N_100050367	constant_power_C_real	1066.87	0.0	533.435	0.0
load	N_100050367	constant_power_A_reac	350.662	0.0	175.331	0.0
load	N_100050367	constant_power_C_reac	350.662	0.0	175.331	0.0
load	N_100110152	constant_power_A	17351.8	5703.27	8675.9	2851.635
load	N_100110152	constant_power_B	17351.8	5703.27	8675.9	2851.635
load	N_100110152	constant_power_A_real	17351.8	0.0	8675.9	0.0
load	N_100110152	constant_power_B_real	17351.8	0.0	8675.9	0.0
load	N_100110152	constant_power_A_reac	5703.27	0.0	2851.635	0.0
load	N_100110152	constant_power_B_reac	5703.27	0.0	2851.635	0.0
load	N_100110157	constant_power_A	11599.2	3812.48	5799.6	1906.24
load	N_100110157	constant_power_B	11599.2	3812.48	5799.6	1906.24
load	N_100110157	constant_power_A_real	11599.2	0.0	5799.6	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110157	constant_power_B_real	11599.2	0.0	5799.6	0.0
load	N_100110157	constant_power_A_reac	3812.48	0.0	1906.24	0.0
load	N_100110157	constant_power_B_reac	3812.48	0.0	1906.24	0.0
load	N_100013901	constant_power_A	10163.1	6298.55	5081.55	3149.275
load	N_100013901	constant_power_B	10163.1	6298.55	5081.55	3149.275
load	N_100013901	constant_power_C	10163.1	6298.55	5081.55	3149.275
load	N_100013901	constant_power_A_real	10163.1	0.0	5081.55	0.0
load	N_100013901	constant_power_B_real	10163.1	0.0	5081.55	0.0
load	N_100013901	constant_power_C_real	10163.1	0.0	5081.55	0.0
load	N_100013901	constant_power_A_reac	6298.55	0.0	3149.275	0.0
load	N_100013901	constant_power_B_reac	6298.55	0.0	3149.275	0.0
load	N_100013901	constant_power_C_reac	6298.55	0.0	3149.275	0.0
load	N_100020396	constant_power_A	1513.35	497.414	756.675	248.707
load	N_100020396	constant_power_B	1513.35	497.414	756.675	248.707
load	N_100020396	constant_power_A_real	1513.35	0.0	756.675	0.0
load	N_100020396	constant_power_B_real	1513.35	0.0	756.675	0.0
load	N_100020396	constant_power_A_reac	497.414	0.0	248.707	0.0
load	N_100020396	constant_power_B_reac	497.414	0.0	248.707	0.0
load	N_100053946	constant_power_A	3766.14	2334.05	1883.07	1167.025
load	N_100053946	constant_power_B	3766.14	2334.05	1883.07	1167.025
load	N_100053946	constant_power_C	3766.14	2334.05	1883.07	1167.025
load	N_100053946	constant_power_A_real	3766.14	0.0	1883.07	0.0
load	N_100053946	constant_power_B_real	3766.14	0.0	1883.07	0.0
load	N_100053946	constant_power_C_real	3766.14	0.0	1883.07	0.0
load	N_100053946	constant_power_A_reac	2334.05	0.0	1167.025	0.0
load	N_100053946	constant_power_B_reac	2334.05	0.0	1167.025	0.0
load	N_100053946	constant_power_C_reac	2334.05	0.0	1167.025	0.0
load	N_100120607	constant_power_A	18666.7	11568.6	9333.35	5784.3
load	N_100120607	constant_power_B	18666.7	11568.6	9333.35	5784.3
load	N_100120607	constant_power_C	18666.7	11568.6	9333.35	5784.3
load	N_100120607	constant_power_A_real	18666.7	0.0	9333.35	0.0
load	N_100120607	constant_power_B_real	18666.7	0.0	9333.35	0.0
load	N_100120607	constant_power_C_real	18666.7	0.0	9333.35	0.0
load	N_100120607	constant_power_A_reac	11568.6	0.0	5784.3	0.0
load	N_100120607	constant_power_B_reac	11568.6	0.0	5784.3	0.0
load	N_100120607	constant_power_C_reac	11568.6	0.0	5784.3	0.0
load	N_100111902	constant_power_A	548.315	180.223	274.1575	90.1115
load	N_100111902	constant_power_B	548.315	180.223	274.1575	90.1115
load	N_100111902	constant_power_C	548.315	180.223	274.1575	90.1115
load	N_100111902	constant_power_A_real	548.315	0.0	274.1575	0.0
load	N_100111902	constant_power_B_real	548.315	0.0	274.1575	0.0
load	N_100111902	constant_power_C_real	548.315	0.0	274.1575	0.0
load	N_100111902	constant_power_A_reac	180.223	0.0	90.1115	0.0
load	N_100111902	constant_power_B_reac	180.223	0.0	90.1115	0.0
load	N_100111902	constant_power_C_reac	180.223	0.0	90.1115	0.0
load	N_100051588	constant_power_A	19505.7	12088.5	9752.85	6044.25
load	N_100051588	constant_power_B	19505.7	12088.5	9752.85	6044.25
load	N_100051588	constant_power_C	19505.7	12088.5	9752.85	6044.25
load	N_100051588	constant_power_A_real	19505.7	0.0	9752.85	0.0
load	N_100051588	constant_power_B_real	19505.7	0.0	9752.85	0.0
load	N_100051588	constant_power_C_real	19505.7	0.0	9752.85	0.0
load	N_100051588	constant_power_A_reac	12088.5	0.0	6044.25	0.0
load	N_100051588	constant_power_B_reac	12088.5	0.0	6044.25	0.0
load	N_100051588	constant_power_C_reac	12088.5	0.0	6044.25	0.0
load	N_100366643	constant_power_B	3769.28	1238.9	1884.64	619.45
load	N_100366643	constant_power_C	3769.28	1238.9	1884.64	619.45
load	N_100366643	constant_power_B_real	3769.28	0.0	1884.64	0.0
load	N_100366643	constant_power_C_real	3769.28	0.0	1884.64	0.0
load	N_100366643	constant_power_B_reac	1238.9	0.0	619.45	0.0
load	N_100366643	constant_power_C_reac	1238.9	0.0	619.45	0.0
load	N_100028674	constant_power_A	9282.2	3050.91	4641.1	1525.455
load	N_100028674	constant_power_B	9282.2	3050.91	4641.1	1525.455
load	N_100028674	constant_power_A_real	9282.2	0.0	4641.1	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100028674	constant_power_B_real	9282.2	0.0	4641.1	0.0
load	N_100028674	constant_power_A_reac	3050.91	0.0	1525.455	0.0
load	N_100028674	constant_power_B_reac	3050.91	0.0	1525.455	0.0
load	N_100111717	constant_power_A	14093.5	8734.37	7046.75	4367.185
load	N_100111717	constant_power_B	14093.5	8734.37	7046.75	4367.185
load	N_100111717	constant_power_C	14093.5	8734.37	7046.75	4367.185
load	N_100111717	constant_power_A_real	14093.5	0.0	7046.75	0.0
load	N_100111717	constant_power_B_real	14093.5	0.0	7046.75	0.0
load	N_100111717	constant_power_C_real	14093.5	0.0	7046.75	0.0
load	N_100111717	constant_power_A_reac	8734.37	0.0	4367.185	0.0
load	N_100111717	constant_power_B_reac	8734.37	0.0	4367.185	0.0
load	N_100111717	constant_power_C_reac	8734.37	0.0	4367.185	0.0
load	N_100110612	constant_power_A	22429.0	13900.2	11214.5	6950.1
load	N_100110612	constant_power_B	22429.0	13900.2	11214.5	6950.1
load	N_100110612	constant_power_C	22429.0	13900.2	11214.5	6950.1
load	N_100110612	constant_power_A_real	22429.0	0.0	11214.5	0.0
load	N_100110612	constant_power_B_real	22429.0	0.0	11214.5	0.0
load	N_100110612	constant_power_C_real	22429.0	0.0	11214.5	0.0
load	N_100110612	constant_power_A_reac	13900.2	0.0	6950.1	0.0
load	N_100110612	constant_power_B_reac	13900.2	0.0	6950.1	0.0
load	N_100110612	constant_power_C_reac	13900.2	0.0	6950.1	0.0
load	N_100110611	constant_power_A	10062.7	6236.28	5031.35	3118.14
load	N_100110611	constant_power_B	10062.7	6236.28	5031.35	3118.14
load	N_100110611	constant_power_C	10062.7	6236.28	5031.35	3118.14
load	N_100110611	constant_power_A_real	10062.7	0.0	5031.35	0.0
load	N_100110611	constant_power_B_real	10062.7	0.0	5031.35	0.0
load	N_100110611	constant_power_C_real	10062.7	0.0	5031.35	0.0
load	N_100110611	constant_power_A_reac	6236.28	0.0	3118.14	0.0
load	N_100110611	constant_power_B_reac	6236.28	0.0	3118.14	0.0
load	N_100110611	constant_power_C_reac	6236.28	0.0	3118.14	0.0
load	N_100106298	constant_power_A	12045.7	3959.23	6022.85	1979.615
load	N_100106298	constant_power_B	12045.7	3959.23	6022.85	1979.615
load	N_100106298	constant_power_A_real	12045.7	0.0	6022.85	0.0
load	N_100106298	constant_power_B_real	12045.7	0.0	6022.85	0.0
load	N_100106298	constant_power_A_reac	3959.23	0.0	1979.615	0.0
load	N_100106298	constant_power_B_reac	3959.23	0.0	1979.615	0.0
load	N_100028270	constant_power_A	15965.4	5247.57	7982.7	2623.785
load	N_100028270	constant_power_B	15965.4	5247.57	7982.7	2623.785
load	N_100028270	constant_power_A_real	15965.4	0.0	7982.7	0.0
load	N_100028270	constant_power_B_real	15965.4	0.0	7982.7	0.0
load	N_100028270	constant_power_A_reac	5247.57	0.0	2623.785	0.0
load	N_100028270	constant_power_B_reac	5247.57	0.0	2623.785	0.0
load	N_100028272	constant_power_A	2002.13	658.07	1001.065	329.035
load	N_100028272	constant_power_B	2002.13	658.07	1001.065	329.035
load	N_100028272	constant_power_A_real	2002.13	0.0	1001.065	0.0
load	N_100028272	constant_power_B_real	2002.13	0.0	1001.065	0.0
load	N_100028272	constant_power_A_reac	658.07	0.0	329.035	0.0
load	N_100028272	constant_power_B_reac	658.07	0.0	329.035	0.0
load	N_100108248	constant_power_B	3350.99	1101.42	1675.495	550.71
load	N_100108248	constant_power_C	3350.99	1101.42	1675.495	550.71
load	N_100108248	constant_power_B_real	3350.99	0.0	1675.495	0.0
load	N_100108248	constant_power_C_real	3350.99	0.0	1675.495	0.0
load	N_100108248	constant_power_B_reac	1101.42	0.0	550.71	0.0
load	N_100108248	constant_power_C_reac	1101.42	0.0	550.71	0.0
load	N_100030027	constant_power_A	18603.5	11256.7	9301.75	5628.35
load	N_100030027	constant_power_B	18603.5	11256.7	9301.75	5628.35
load	N_100030027	constant_power_C	18603.5	11256.7	9301.75	5628.35
load	N_100030027	constant_power_A_real	18603.5	0.0	9301.75	0.0
load	N_100030027	constant_power_B_real	18603.5	0.0	9301.75	0.0
load	N_100030027	constant_power_C_real	18603.5	0.0	9301.75	0.0
load	N_100030027	constant_power_A_reac	11256.7	0.0	5628.35	0.0
load	N_100030027	constant_power_B_reac	11256.7	0.0	5628.35	0.0
load	N_100030027	constant_power_C_reac	11256.7	0.0	5628.35	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100030022	constant_power_A	2271.59	746.636	1135.795	373.318
load	N_100030022	constant_power_B	2271.59	746.636	1135.795	373.318
load	N_100030022	constant_power_C	2271.59	746.636	1135.795	373.318
load	N_100030022	constant_power_A_real	2271.59	0.0	1135.795	0.0
load	N_100030022	constant_power_B_real	2271.59	0.0	1135.795	0.0
load	N_100030022	constant_power_C_real	2271.59	0.0	1135.795	0.0
load	N_100030022	constant_power_A_reac	746.636	0.0	373.318	0.0
load	N_100030022	constant_power_B_reac	746.636	0.0	373.318	0.0
load	N_100030022	constant_power_C_reac	746.636	0.0	373.318	0.0
load	N_100132183	constant_power_A	1344.16	441.803	672.08	220.9015
load	N_100132183	constant_power_B	1344.16	441.803	672.08	220.9015
load	N_100132183	constant_power_A_real	1344.16	0.0	672.08	0.0
load	N_100132183	constant_power_B_real	1344.16	0.0	672.08	0.0
load	N_100132183	constant_power_A_reac	441.803	0.0	220.9015	0.0
load	N_100132183	constant_power_B_reac	441.803	0.0	220.9015	0.0
load	N_100004531	constant_power_B	902.37	310.274	451.185	155.137
load	N_100004531	constant_power_C	902.37	310.274	451.185	155.137
load	N_100004531	constant_power_B_real	902.37	0.0	451.185	0.0
load	N_100004531	constant_power_C_real	902.37	0.0	451.185	0.0
load	N_100004531	constant_power_B_reac	310.274	0.0	155.137	0.0
load	N_100004531	constant_power_C_reac	310.274	0.0	155.137	0.0
load	N_100004534	constant_power_B	3087.8	1014.91	1543.9	507.455
load	N_100004534	constant_power_C	3087.8	1014.91	1543.9	507.455
load	N_100004534	constant_power_B_real	3087.8	0.0	1543.9	0.0
load	N_100004534	constant_power_C_real	3087.8	0.0	1543.9	0.0
load	N_100004534	constant_power_B_reac	1014.91	0.0	507.455	0.0
load	N_100004534	constant_power_C_reac	1014.91	0.0	507.455	0.0
load	N_100080279	constant_power_A	12952.8	4257.37	6476.4	2128.685
load	N_100080279	constant_power_C	12952.8	4257.37	6476.4	2128.685
load	N_100080279	constant_power_A_real	12952.8	0.0	6476.4	0.0
load	N_100080279	constant_power_C_real	12952.8	0.0	6476.4	0.0
load	N_100080279	constant_power_A_reac	4257.37	0.0	2128.685	0.0
load	N_100080279	constant_power_C_reac	4257.37	0.0	2128.685	0.0
load	N_100110539	constant_power_A	3145.76	1912.18	1572.88	956.09
load	N_100110539	constant_power_B	3145.76	1912.18	1572.88	956.09
load	N_100110539	constant_power_C	3145.76	1912.18	1572.88	956.09
load	N_100110539	constant_power_A_real	3145.76	0.0	1572.88	0.0
load	N_100110539	constant_power_B_real	3145.76	0.0	1572.88	0.0
load	N_100110539	constant_power_C_real	3145.76	0.0	1572.88	0.0
load	N_100110539	constant_power_A_reac	1912.18	0.0	956.09	0.0
load	N_100110539	constant_power_B_reac	1912.18	0.0	956.09	0.0
load	N_100110539	constant_power_C_reac	1912.18	0.0	956.09	0.0
load	N_100110538	constant_power_A	62369.6	36023.1	31184.8	18011.55
load	N_100110538	constant_power_B	62369.6	36023.1	31184.8	18011.55
load	N_100110538	constant_power_C	62369.6	36023.1	31184.8	18011.55
load	N_100110538	constant_power_A_real	62369.6	0.0	31184.8	0.0
load	N_100110538	constant_power_B_real	62369.6	0.0	31184.8	0.0
load	N_100110538	constant_power_C_real	62369.6	0.0	31184.8	0.0
load	N_100110538	constant_power_A_reac	36023.1	0.0	18011.55	0.0
load	N_100110538	constant_power_B_reac	36023.1	0.0	18011.55	0.0
load	N_100110538	constant_power_C_reac	36023.1	0.0	18011.55	0.0
load	N_100080579	constant_power_A	87000.0	53917.8	43500.0	26958.9
load	N_100080579	constant_power_B	87000.0	53917.8	43500.0	26958.9
load	N_100080579	constant_power_C	87000.0	53917.8	43500.0	26958.9
load	N_100080579	constant_power_A_real	87000.0	0.0	43500.0	0.0
load	N_100080579	constant_power_B_real	87000.0	0.0	43500.0	0.0
load	N_100080579	constant_power_C_real	87000.0	0.0	43500.0	0.0
load	N_100080579	constant_power_A_reac	53917.8	0.0	26958.9	0.0
load	N_100080579	constant_power_B_reac	53917.8	0.0	26958.9	0.0
load	N_100080579	constant_power_C_reac	53917.8	0.0	26958.9	0.0
load	N_100013895	constant_power_A	7333.33	4544.79	3666.665	2272.395
load	N_100013895	constant_power_B	7333.33	4544.79	3666.665	2272.395
load	N_100013895	constant_power_C	7333.33	4544.79	3666.665	2272.395

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100013895	constant_power_A_real	7333.33	0.0	3666.665	0.0
load	N_100013895	constant_power_B_real	7333.33	0.0	3666.665	0.0
load	N_100013895	constant_power_C_real	7333.33	0.0	3666.665	0.0
load	N_100013895	constant_power_A_reac	4544.79	0.0	2272.395	0.0
load	N_100013895	constant_power_B_reac	4544.79	0.0	2272.395	0.0
load	N_100013895	constant_power_C_reac	4544.79	0.0	2272.395	0.0
load	N_100092650	constant_power_A	4196.96	1379.48	2098.48	689.74
load	N_100092650	constant_power_B	4196.96	1379.48	2098.48	689.74
load	N_100092650	constant_power_A_real	4196.96	0.0	2098.48	0.0
load	N_100092650	constant_power_B_real	4196.96	0.0	2098.48	0.0
load	N_100092650	constant_power_A_reac	1379.48	0.0	689.74	0.0
load	N_100092650	constant_power_B_reac	1379.48	0.0	689.74	0.0
load	N_100110533	constant_power_A	560.848	184.342	280.424	92.171
load	N_100110533	constant_power_B	560.848	184.342	280.424	92.171
load	N_100110533	constant_power_C	560.848	184.342	280.424	92.171
load	N_100110533	constant_power_A_real	560.848	0.0	280.424	0.0
load	N_100110533	constant_power_B_real	560.848	0.0	280.424	0.0
load	N_100110533	constant_power_C_real	560.848	0.0	280.424	0.0
load	N_100110533	constant_power_A_reac	184.342	0.0	92.171	0.0
load	N_100110533	constant_power_B_reac	184.342	0.0	92.171	0.0
load	N_100110533	constant_power_C_reac	184.342	0.0	92.171	0.0
load	N_100072358	constant_power_A	14146.5	4649.74	7073.25	2324.87
load	N_100072358	constant_power_B	14146.5	4649.74	7073.25	2324.87
load	N_100072358	constant_power_A_real	14146.5	0.0	7073.25	0.0
load	N_100072358	constant_power_B_real	14146.5	0.0	7073.25	0.0
load	N_100072358	constant_power_A_reac	4649.74	0.0	2324.87	0.0
load	N_100072358	constant_power_B_reac	4649.74	0.0	2324.87	0.0
load	N_100109641	constant_power_A	817.773	268.789	408.8865	134.3945
load	N_100109641	constant_power_B	817.773	268.789	408.8865	134.3945
load	N_100109641	constant_power_A_real	817.773	0.0	408.8865	0.0
load	N_100109641	constant_power_B_real	817.773	0.0	408.8865	0.0
load	N_100109641	constant_power_A_reac	268.789	0.0	134.3945	0.0
load	N_100109641	constant_power_B_reac	268.789	0.0	134.3945	0.0
load	N_100092648	constant_power_A	18451.6	6064.75	9225.8	3032.375
load	N_100092648	constant_power_B	18451.6	6064.75	9225.8	3032.375
load	N_100092648	constant_power_A_real	18451.6	0.0	9225.8	0.0
load	N_100092648	constant_power_B_real	18451.6	0.0	9225.8	0.0
load	N_100092648	constant_power_A_reac	6064.75	0.0	3032.375	0.0
load	N_100092648	constant_power_B_reac	6064.75	0.0	3032.375	0.0
load	N_100150277	constant_power_A	15307.4	5031.3	7653.7	2515.65
load	N_100150277	constant_power_C	15307.4	5031.3	7653.7	2515.65
load	N_100150277	constant_power_A_real	15307.4	0.0	7653.7	0.0
load	N_100150277	constant_power_C_real	15307.4	0.0	7653.7	0.0
load	N_100150277	constant_power_A_reac	5031.3	0.0	2515.65	0.0
load	N_100150277	constant_power_C_reac	5031.3	0.0	2515.65	0.0
load	N_100106300	constant_power_A	12308.9	4045.74	6154.45	2022.87
load	N_100106300	constant_power_B	12308.9	4045.74	6154.45	2022.87
load	N_100106300	constant_power_A_real	12308.9	0.0	6154.45	0.0
load	N_100106300	constant_power_B_real	12308.9	0.0	6154.45	0.0
load	N_100106300	constant_power_A_reac	4045.74	0.0	2022.87	0.0
load	N_100106300	constant_power_B_reac	4045.74	0.0	2022.87	0.0
load	N_100355458	constant_power_A	4696.71	1543.73	2348.355	771.865
load	N_100355458	constant_power_B	4696.71	1543.73	2348.355	771.865
load	N_100355458	constant_power_C	4696.71	1543.73	2348.355	771.865
load	N_100355458	constant_power_A_real	4696.71	0.0	2348.355	0.0
load	N_100355458	constant_power_B_real	4696.71	0.0	2348.355	0.0
load	N_100355458	constant_power_C_real	4696.71	0.0	2348.355	0.0
load	N_100355458	constant_power_A_reac	1543.73	0.0	771.865	0.0
load	N_100355458	constant_power_B_reac	1543.73	0.0	771.865	0.0
load	N_100355458	constant_power_C_reac	1543.73	0.0	771.865	0.0
load	N_100108251	constant_power_B	10001.3	3287.26	5000.65	1643.63
load	N_100108251	constant_power_C	10001.3	3287.26	5000.65	1643.63
load	N_100108251	constant_power_B_real	10001.3	0.0	5000.65	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100108251	constant_power_C_real	10001.3	0.0	5000.65	0.0
load	N_100108251	constant_power_B_reac	3287.26	0.0	1643.63	0.0
load	N_100108251	constant_power_C_reac	3287.26	0.0	1643.63	0.0
load	N_100104462	constant_power_A	1334.76	438.713	667.38	219.3565
load	N_100104462	constant_power_B	1334.76	438.713	667.38	219.3565
load	N_100104462	constant_power_A_real	1334.76	0.0	667.38	0.0
load	N_100104462	constant_power_B_real	1334.76	0.0	667.38	0.0
load	N_100104462	constant_power_A_reac	438.713	0.0	219.3565	0.0
load	N_100104462	constant_power_B_reac	438.713	0.0	219.3565	0.0
load	N_100104463	constant_power_A	798.974	262.61	399.487	131.305
load	N_100104463	constant_power_B	798.974	262.61	399.487	131.305
load	N_100104463	constant_power_A_real	798.974	0.0	399.487	0.0
load	N_100104463	constant_power_B_real	798.974	0.0	399.487	0.0
load	N_100104463	constant_power_A_reac	262.61	0.0	131.305	0.0
load	N_100104463	constant_power_B_reac	262.61	0.0	131.305	0.0
load	N_100343748	constant_power_A	9437.29	3101.89	4718.645	1550.945
load	N_100343748	constant_power_B	9437.29	3101.89	4718.645	1550.945
load	N_100343748	constant_power_A_real	9437.29	0.0	4718.645	0.0
load	N_100343748	constant_power_B_real	9437.29	0.0	4718.645	0.0
load	N_100343748	constant_power_A_reac	3101.89	0.0	1550.945	0.0
load	N_100343748	constant_power_B_reac	3101.89	0.0	1550.945	0.0
load	N_100004468	constant_power_A	140.995	87.3811	70.4975	43.69055
load	N_100004468	constant_power_B	140.995	87.3811	70.4975	43.69055
load	N_100004468	constant_power_C	140.995	87.3811	70.4975	43.69055
load	N_100004468	constant_power_A_real	140.995	0.0	70.4975	0.0
load	N_100004468	constant_power_B_real	140.995	0.0	70.4975	0.0
load	N_100004468	constant_power_C_real	140.995	0.0	70.4975	0.0
load	N_100004468	constant_power_A_reac	87.3811	0.0	43.69055	0.0
load	N_100004468	constant_power_B_reac	87.3811	0.0	43.69055	0.0
load	N_100004468	constant_power_C_reac	87.3811	0.0	43.69055	0.0
load	N_100003121	constant_power_A	805.24	264.67	402.62	132.335
load	N_100003121	constant_power_B	805.24	264.67	402.62	132.335
load	N_100003121	constant_power_C	805.24	264.67	402.62	132.335
load	N_100003121	constant_power_A_real	805.24	0.0	402.62	0.0
load	N_100003121	constant_power_B_real	805.24	0.0	402.62	0.0
load	N_100003121	constant_power_C_real	805.24	0.0	402.62	0.0
load	N_100003121	constant_power_A_reac	264.67	0.0	132.335	0.0
load	N_100003121	constant_power_B_reac	264.67	0.0	132.335	0.0
load	N_100003121	constant_power_C_reac	264.67	0.0	132.335	0.0
load	N_100150284	constant_power_A	13639.0	4482.91	6819.5	2241.455
load	N_100150284	constant_power_C	13639.0	4482.91	6819.5	2241.455
load	N_100150284	constant_power_A_real	13639.0	0.0	6819.5	0.0
load	N_100150284	constant_power_C_real	13639.0	0.0	6819.5	0.0
load	N_100150284	constant_power_A_reac	4482.91	0.0	2241.455	0.0
load	N_100150284	constant_power_C_reac	4482.91	0.0	2241.455	0.0
load	N_100084829	constant_power_B	2232.43	747.442	1116.215	373.721
load	N_100084829	constant_power_C	2232.43	747.442	1116.215	373.721
load	N_100084829	constant_power_B_real	2232.43	0.0	1116.215	0.0
load	N_100084829	constant_power_C_real	2232.43	0.0	1116.215	0.0
load	N_100084829	constant_power_B_reac	747.442	0.0	373.721	0.0
load	N_100084829	constant_power_C_reac	747.442	0.0	373.721	0.0
load	N_100080280	constant_power_A	11909.4	3914.43	5954.7	1957.215
load	N_100080280	constant_power_C	11909.4	3914.43	5954.7	1957.215
load	N_100080280	constant_power_A_real	11909.4	0.0	5954.7	0.0
load	N_100080280	constant_power_C_real	11909.4	0.0	5954.7	0.0
load	N_100080280	constant_power_A_reac	3914.43	0.0	1957.215	0.0
load	N_100080280	constant_power_C_reac	3914.43	0.0	1957.215	0.0
load	N_100004465	constant_power_A	168333.0	104324.0	84166.5	52162.0
load	N_100004465	constant_power_B	168333.0	104324.0	84166.5	52162.0
load	N_100004465	constant_power_C	168333.0	104324.0	84166.5	52162.0
load	N_100004465	constant_power_A_real	168333.0	0.0	84166.5	0.0
load	N_100004465	constant_power_B_real	168333.0	0.0	84166.5	0.0
load	N_100004465	constant_power_C_real	168333.0	0.0	84166.5	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100004465	constant_power_A_reac	104324.0	0.0	52162.0	0.0
load	N_100004465	constant_power_B_reac	104324.0	0.0	52162.0	0.0
load	N_100004465	constant_power_C_reac	104324.0	0.0	52162.0	0.0
load	N_100088512	constant_power_A	1535.28	504.623	767.64	252.3115
load	N_100088512	constant_power_B	1535.28	504.623	767.64	252.3115
load	N_100088512	constant_power_C	1535.28	504.623	767.64	252.3115
load	N_100088512	constant_power_A_real	1535.28	0.0	767.64	0.0
load	N_100088512	constant_power_B_real	1535.28	0.0	767.64	0.0
load	N_100088512	constant_power_C_real	1535.28	0.0	767.64	0.0
load	N_100088512	constant_power_A_reac	504.623	0.0	252.3115	0.0
load	N_100088512	constant_power_B_reac	504.623	0.0	252.3115	0.0
load	N_100088512	constant_power_C_reac	504.623	0.0	252.3115	0.0
load	N_100088511	constant_power_A	15.666	5.14917	7.833	2.574585
load	N_100088511	constant_power_B	15.666	5.14917	7.833	2.574585
load	N_100088511	constant_power_C	15.666	5.14917	7.833	2.574585
load	N_100088511	constant_power_A_real	15.666	0.0	7.833	0.0
load	N_100088511	constant_power_B_real	15.666	0.0	7.833	0.0
load	N_100088511	constant_power_C_real	15.666	0.0	7.833	0.0
load	N_100088511	constant_power_A_reac	5.14917	0.0	2.574585	0.0
load	N_100088511	constant_power_B_reac	5.14917	0.0	2.574585	0.0
load	N_100088511	constant_power_C_reac	5.14917	0.0	2.574585	0.0
load	N_100048450	constant_power_A	3054.9	1358.85	1527.45	679.425
load	N_100048450	constant_power_B	3054.9	1358.85	1527.45	679.425
load	N_100048450	constant_power_C	3054.9	1358.85	1527.45	679.425
load	N_100048450	constant_power_A_real	3054.9	0.0	1527.45	0.0
load	N_100048450	constant_power_B_real	3054.9	0.0	1527.45	0.0
load	N_100048450	constant_power_C_real	3054.9	0.0	1527.45	0.0
load	N_100048450	constant_power_A_reac	1358.85	0.0	679.425	0.0
load	N_100048450	constant_power_B_reac	1358.85	0.0	679.425	0.0
load	N_100048450	constant_power_C_reac	1358.85	0.0	679.425	0.0
load	N_100102583	constant_power_A	9047.2	2973.67	4523.6	1486.835
load	N_100102583	constant_power_B	9047.2	2973.67	4523.6	1486.835
load	N_100102583	constant_power_A_real	9047.2	0.0	4523.6	0.0
load	N_100102583	constant_power_B_real	9047.2	0.0	4523.6	0.0
load	N_100102583	constant_power_A_reac	2973.67	0.0	1486.835	0.0
load	N_100102583	constant_power_B_reac	2973.67	0.0	1486.835	0.0
load	N_100004460	constant_power_A	15974.8	5250.66	7987.4	2625.33
load	N_100004460	constant_power_B	15974.8	5250.66	7987.4	2625.33
load	N_100004460	constant_power_A_real	15974.8	0.0	7987.4	0.0
load	N_100004460	constant_power_B_real	15974.8	0.0	7987.4	0.0
load	N_100004460	constant_power_A_reac	5250.66	0.0	2625.33	0.0
load	N_100004460	constant_power_B_reac	5250.66	0.0	2625.33	0.0
load	N_100102588	constant_power_A	10950.6	3599.3	5475.3	1799.65
load	N_100102588	constant_power_B	10950.6	3599.3	5475.3	1799.65
load	N_100102588	constant_power_A_real	10950.6	0.0	5475.3	0.0
load	N_100102588	constant_power_B_real	10950.6	0.0	5475.3	0.0
load	N_100102588	constant_power_A_reac	3599.3	0.0	1799.65	0.0
load	N_100102588	constant_power_B_reac	3599.3	0.0	1799.65	0.0
load	N_100104472	constant_power_A	6025.2	1980.39	3012.6	990.195
load	N_100104472	constant_power_B	6025.2	1980.39	3012.6	990.195
load	N_100104472	constant_power_A_real	6025.2	0.0	3012.6	0.0
load	N_100104472	constant_power_B_real	6025.2	0.0	3012.6	0.0
load	N_100104472	constant_power_A_reac	1980.39	0.0	990.195	0.0
load	N_100104472	constant_power_B_reac	1980.39	0.0	990.195	0.0
load	N_100094673	constant_power_A	2500.32	821.815	1250.16	410.9075
load	N_100094673	constant_power_B	2500.32	821.815	1250.16	410.9075
load	N_100094673	constant_power_C	2500.32	821.815	1250.16	410.9075
load	N_100094673	constant_power_A_real	2500.32	0.0	1250.16	0.0
load	N_100094673	constant_power_B_real	2500.32	0.0	1250.16	0.0
load	N_100094673	constant_power_C_real	2500.32	0.0	1250.16	0.0
load	N_100094673	constant_power_A_reac	821.815	0.0	410.9075	0.0
load	N_100094673	constant_power_B_reac	821.815	0.0	410.9075	0.0
load	N_100094673	constant_power_C_reac	821.815	0.0	410.9075	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100094672	constant_power_A	3741.08	1229.63	1870.54	614.815
load	N_100094672	constant_power_B	3741.08	1229.63	1870.54	614.815
load	N_100094672	constant_power_C	3741.08	1229.63	1870.54	614.815
load	N_100094672	constant_power_A_real	3741.08	0.0	1870.54	0.0
load	N_100094672	constant_power_B_real	3741.08	0.0	1870.54	0.0
load	N_100094672	constant_power_C_real	3741.08	0.0	1870.54	0.0
load	N_100094672	constant_power_A_reac	1229.63	0.0	614.815	0.0
load	N_100094672	constant_power_B_reac	1229.63	0.0	614.815	0.0
load	N_100094672	constant_power_C_reac	1229.63	0.0	614.815	0.0
load	N_100071078	constant_power_A	5545.82	1822.82	2772.91	911.41
load	N_100071078	constant_power_B	5545.82	1822.82	2772.91	911.41
load	N_100071078	constant_power_A_real	5545.82	0.0	2772.91	0.0
load	N_100071078	constant_power_B_real	5545.82	0.0	2772.91	0.0
load	N_100071078	constant_power_A_reac	1822.82	0.0	911.41	0.0
load	N_100071078	constant_power_B_reac	1822.82	0.0	911.41	0.0
load	N_100110218	constant_power_A	7599.65	2497.88	3799.825	1248.94
load	N_100110218	constant_power_C	7599.65	2497.88	3799.825	1248.94
load	N_100110218	constant_power_A_real	7599.65	0.0	3799.825	0.0
load	N_100110218	constant_power_C_real	7599.65	0.0	3799.825	0.0
load	N_100110218	constant_power_A_reac	2497.88	0.0	1248.94	0.0
load	N_100110218	constant_power_C_reac	2497.88	0.0	1248.94	0.0
load	N_100013946	constant_power_A	548.316	339.816	274.158	169.908
load	N_100013946	constant_power_B	548.316	339.816	274.158	169.908
load	N_100013946	constant_power_C	548.316	339.816	274.158	169.908
load	N_100013946	constant_power_A_real	548.316	0.0	274.158	0.0
load	N_100013946	constant_power_B_real	548.316	0.0	274.158	0.0
load	N_100013946	constant_power_C_real	548.316	0.0	274.158	0.0
load	N_100013946	constant_power_A_reac	339.816	0.0	169.908	0.0
load	N_100013946	constant_power_B_reac	339.816	0.0	169.908	0.0
load	N_100013946	constant_power_C_reac	339.816	0.0	169.908	0.0
load	N_100104470	constant_power_A	4262.76	1401.1	2131.38	700.55
load	N_100104470	constant_power_B	4262.76	1401.1	2131.38	700.55
load	N_100104470	constant_power_A_real	4262.76	0.0	2131.38	0.0
load	N_100104470	constant_power_B_real	4262.76	0.0	2131.38	0.0
load	N_100104470	constant_power_A_reac	1401.1	0.0	700.55	0.0
load	N_100104470	constant_power_B_reac	1401.1	0.0	700.55	0.0
load	N_100004542	constant_power_A	7187.63	4454.49	3593.815	2227.245
load	N_100004542	constant_power_B	7187.63	4454.49	3593.815	2227.245
load	N_100004542	constant_power_C	7187.63	4454.49	3593.815	2227.245
load	N_100004542	constant_power_A_real	7187.63	0.0	3593.815	0.0
load	N_100004542	constant_power_B_real	7187.63	0.0	3593.815	0.0
load	N_100004542	constant_power_C_real	7187.63	0.0	3593.815	0.0
load	N_100004542	constant_power_A_reac	4454.49	0.0	2227.245	0.0
load	N_100004542	constant_power_B_reac	4454.49	0.0	2227.245	0.0
load	N_100004542	constant_power_C_reac	4454.49	0.0	2227.245	0.0
load	N_100013942	constant_power_A	118667.0	73543.0	59333.5	36771.5
load	N_100013942	constant_power_B	118667.0	73543.0	59333.5	36771.5
load	N_100013942	constant_power_C	118667.0	73543.0	59333.5	36771.5
load	N_100013942	constant_power_A_real	118667.0	0.0	59333.5	0.0
load	N_100013942	constant_power_B_real	118667.0	0.0	59333.5	0.0
load	N_100013942	constant_power_C_real	118667.0	0.0	59333.5	0.0
load	N_100013942	constant_power_A_reac	73543.0	0.0	36771.5	0.0
load	N_100013942	constant_power_B_reac	73543.0	0.0	36771.5	0.0
load	N_100013942	constant_power_C_reac	73543.0	0.0	36771.5	0.0
load	N_100071073	constant_power_A	9733.38	3199.21	4866.69	1599.605
load	N_100071073	constant_power_B	9733.38	3199.21	4866.69	1599.605
load	N_100071073	constant_power_A_real	9733.38	0.0	4866.69	0.0
load	N_100071073	constant_power_B_real	9733.38	0.0	4866.69	0.0
load	N_100071073	constant_power_A_reac	3199.21	0.0	1599.605	0.0
load	N_100071073	constant_power_B_reac	3199.21	0.0	1599.605	0.0
load	N_100355856	constant_power_A	15970.1	5249.11	7985.05	2624.555
load	N_100355856	constant_power_B	15970.1	5249.11	7985.05	2624.555
load	N_100355856	constant_power_A_real	15970.1	0.0	7985.05	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100355856	constant_power_B_real	15970.1	0.0	7985.05	0.0
load	N_100355856	constant_power_A_reac	5249.11	0.0	2624.555	0.0
load	N_100355856	constant_power_B_reac	5249.11	0.0	2624.555	0.0
load	N_100132182	constant_power_A	1973.93	648.801	986.965	324.4005
load	N_100132182	constant_power_B	1973.93	648.801	986.965	324.4005
load	N_100132182	constant_power_A_real	1973.93	0.0	986.965	0.0
load	N_100132182	constant_power_B_real	1973.93	0.0	986.965	0.0
load	N_100132182	constant_power_A_reac	648.801	0.0	324.4005	0.0
load	N_100132182	constant_power_B_reac	648.801	0.0	324.4005	0.0
load	N_100070999	constant_power_A	23442.8	7705.29	11721.4	3852.645
load	N_100070999	constant_power_C	23442.8	7705.29	11721.4	3852.645
load	N_100070999	constant_power_A_real	23442.8	0.0	11721.4	0.0
load	N_100070999	constant_power_C_real	23442.8	0.0	11721.4	0.0
load	N_100070999	constant_power_A_reac	7705.29	0.0	3852.645	0.0
load	N_100070999	constant_power_C_reac	7705.29	0.0	3852.645	0.0
load	N_100045881	constant_power_A	805.24	264.67	402.62	132.335
load	N_100045881	constant_power_B	805.24	264.67	402.62	132.335
load	N_100045881	constant_power_C	805.24	264.67	402.62	132.335
load	N_100045881	constant_power_A_real	805.24	0.0	402.62	0.0
load	N_100045881	constant_power_B_real	805.24	0.0	402.62	0.0
load	N_100045881	constant_power_C_real	805.24	0.0	402.62	0.0
load	N_100045881	constant_power_A_reac	264.67	0.0	132.335	0.0
load	N_100045881	constant_power_B_reac	264.67	0.0	132.335	0.0
load	N_100045881	constant_power_C_reac	264.67	0.0	132.335	0.0
load	N_100013849	constant_power_A	303.923	99.8948	151.9615	49.9474
load	N_100013849	constant_power_B	303.923	99.8948	151.9615	49.9474
load	N_100013849	constant_power_C	303.923	99.8948	151.9615	49.9474
load	N_100013849	constant_power_A_real	303.923	0.0	151.9615	0.0
load	N_100013849	constant_power_B_real	303.923	0.0	151.9615	0.0
load	N_100013849	constant_power_C_real	303.923	0.0	151.9615	0.0
load	N_100013849	constant_power_A_reac	99.8948	0.0	49.9474	0.0
load	N_100013849	constant_power_B_reac	99.8948	0.0	49.9474	0.0
load	N_100013849	constant_power_C_reac	99.8948	0.0	49.9474	0.0
load	N_100070991	constant_power_B	8563.12	2814.56	4281.56	1407.28
load	N_100070991	constant_power_C	8563.12	2814.56	4281.56	1407.28
load	N_100070991	constant_power_B_real	8563.12	0.0	4281.56	0.0
load	N_100070991	constant_power_C_real	8563.12	0.0	4281.56	0.0
load	N_100070991	constant_power_B_reac	2814.56	0.0	1407.28	0.0
load	N_100070991	constant_power_C_reac	2814.56	0.0	1407.28	0.0
load	N_100004547	constant_power_B	9700.48	3188.39	4850.24	1594.195
load	N_100004547	constant_power_C	9700.48	3188.39	4850.24	1594.195
load	N_100004547	constant_power_B_real	9700.48	0.0	4850.24	0.0
load	N_100004547	constant_power_C_real	9700.48	0.0	4850.24	0.0
load	N_100004547	constant_power_B_reac	3188.39	0.0	1594.195	0.0
load	N_100004547	constant_power_C_reac	3188.39	0.0	1594.195	0.0
load	N_100013841	constant_power_A	1090.36	675.747	545.18	337.8735
load	N_100013841	constant_power_B	1090.36	675.747	545.18	337.8735
load	N_100013841	constant_power_C	1090.36	675.747	545.18	337.8735
load	N_100013841	constant_power_A_real	1090.36	0.0	545.18	0.0
load	N_100013841	constant_power_B_real	1090.36	0.0	545.18	0.0
load	N_100013841	constant_power_C_real	1090.36	0.0	545.18	0.0
load	N_100013841	constant_power_A_reac	675.747	0.0	337.8735	0.0
load	N_100013841	constant_power_B_reac	675.747	0.0	337.8735	0.0
load	N_100013841	constant_power_C_reac	675.747	0.0	337.8735	0.0
load	N_100110103	constant_power_A	7303.56	2400.56	3651.78	1200.28
load	N_100110103	constant_power_B	7303.56	2400.56	3651.78	1200.28
load	N_100110103	constant_power_A_real	7303.56	0.0	3651.78	0.0
load	N_100110103	constant_power_B_real	7303.56	0.0	3651.78	0.0
load	N_100110103	constant_power_A_reac	2400.56	0.0	1200.28	0.0
load	N_100110103	constant_power_B_reac	2400.56	0.0	1200.28	0.0
load	N_100110106	constant_power_A	14597.7	4840.45	7298.85	2420.225
load	N_100110106	constant_power_B	14597.7	4840.45	7298.85	2420.225
load	N_100110106	constant_power_A_real	14597.7	0.0	7298.85	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110106	constant_power_B_real	14597.7	0.0	7298.85	0.0
load	N_100110106	constant_power_A_reac	4840.45	0.0	2420.225	0.0
load	N_100110106	constant_power_B_reac	4840.45	0.0	2420.225	0.0
load	N_100110107	constant_power_A	16661.0	5476.19	8330.5	2738.095
load	N_100110107	constant_power_B	16661.0	5476.19	8330.5	2738.095
load	N_100110107	constant_power_A_real	16661.0	0.0	8330.5	0.0
load	N_100110107	constant_power_B_real	16661.0	0.0	8330.5	0.0
load	N_100110107	constant_power_A_reac	5476.19	0.0	2738.095	0.0
load	N_100110107	constant_power_B_reac	5476.19	0.0	2738.095	0.0
load	N_100110105	constant_power_A	12149.1	3993.22	6074.55	1996.61
load	N_100110105	constant_power_B	12149.1	3993.22	6074.55	1996.61
load	N_100110105	constant_power_A_real	12149.1	0.0	6074.55	0.0
load	N_100110105	constant_power_B_real	12149.1	0.0	6074.55	0.0
load	N_100110105	constant_power_A_reac	3993.22	0.0	1996.61	0.0
load	N_100110105	constant_power_B_reac	3993.22	0.0	1996.61	0.0
load	N_100110108	constant_power_A	11528.7	3789.31	5764.35	1894.655
load	N_100110108	constant_power_B	11528.7	3789.31	5764.35	1894.655
load	N_100110108	constant_power_A_real	11528.7	0.0	5764.35	0.0
load	N_100110108	constant_power_B_real	11528.7	0.0	5764.35	0.0
load	N_100110108	constant_power_A_reac	3789.31	0.0	1894.655	0.0
load	N_100110108	constant_power_B_reac	3789.31	0.0	1894.655	0.0
load	N_100071859	constant_power_A	27666.7	17146.3	13833.35	8573.15
load	N_100071859	constant_power_B	27666.7	17146.3	13833.35	8573.15
load	N_100071859	constant_power_C	27666.7	17146.3	13833.35	8573.15
load	N_100071859	constant_power_A_real	27666.7	0.0	13833.35	0.0
load	N_100071859	constant_power_B_real	27666.7	0.0	13833.35	0.0
load	N_100071859	constant_power_C_real	27666.7	0.0	13833.35	0.0
load	N_100071859	constant_power_A_reac	17146.3	0.0	8573.15	0.0
load	N_100071859	constant_power_B_reac	17146.3	0.0	8573.15	0.0
load	N_100071859	constant_power_C_reac	17146.3	0.0	8573.15	0.0
load	N_100104954	constant_power_A	2440.79	802.248	1220.395	401.124
load	N_100104954	constant_power_B	2440.79	802.248	1220.395	401.124
load	N_100104954	constant_power_C	2440.79	802.248	1220.395	401.124
load	N_100104954	constant_power_A_real	2440.79	0.0	1220.395	0.0
load	N_100104954	constant_power_B_real	2440.79	0.0	1220.395	0.0
load	N_100104954	constant_power_C_real	2440.79	0.0	1220.395	0.0
load	N_100104954	constant_power_A_reac	802.248	0.0	401.124	0.0
load	N_100104954	constant_power_B_reac	802.248	0.0	401.124	0.0
load	N_100104954	constant_power_C_reac	802.248	0.0	401.124	0.0
load	N_100111684	constant_power_A	5135.36	1687.91	2567.68	843.955
load	N_100111684	constant_power_B	5135.36	1687.91	2567.68	843.955
load	N_100111684	constant_power_C	5135.36	1687.91	2567.68	843.955
load	N_100111684	constant_power_A_real	5135.36	0.0	2567.68	0.0
load	N_100111684	constant_power_B_real	5135.36	0.0	2567.68	0.0
load	N_100111684	constant_power_C_real	5135.36	0.0	2567.68	0.0
load	N_100111684	constant_power_A_reac	1687.91	0.0	843.955	0.0
load	N_100111684	constant_power_B_reac	1687.91	0.0	843.955	0.0
load	N_100111684	constant_power_C_reac	1687.91	0.0	843.955	0.0
load	N_100020397	constant_power_A	1424.05	685.566	712.025	342.783
load	N_100020397	constant_power_B	1424.05	685.566	712.025	342.783
load	N_100020397	constant_power_A_real	1424.05	0.0	712.025	0.0
load	N_100020397	constant_power_B_real	1424.05	0.0	712.025	0.0
load	N_100020397	constant_power_A_reac	685.566	0.0	342.783	0.0
load	N_100020397	constant_power_B_reac	685.566	0.0	342.783	0.0
load	N_100004440	constant_power_A	11547.5	3795.49	5773.75	1897.745
load	N_100004440	constant_power_C	11547.5	3795.49	5773.75	1897.745
load	N_100004440	constant_power_A_real	11547.5	0.0	5773.75	0.0
load	N_100004440	constant_power_C_real	11547.5	0.0	5773.75	0.0
load	N_100004440	constant_power_A_reac	3795.49	0.0	1897.745	0.0
load	N_100004440	constant_power_C_reac	3795.49	0.0	1897.745	0.0
load	N_100020395	constant_power_A	1668.44	548.391	834.22	274.1955
load	N_100020395	constant_power_B	1668.44	548.391	834.22	274.1955
load	N_100020395	constant_power_A_real	1668.44	0.0	834.22	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100020395	constant_power_B_real	1668.44	0.0	834.22	0.0
load	N_100020395	constant_power_A_reac	548.391	0.0	274.1955	0.0
load	N_100020395	constant_power_B_reac	548.391	0.0	274.1955	0.0
load	N_100020394	constant_power_A	3891.47	1279.07	1945.735	639.535
load	N_100020394	constant_power_B	3891.47	1279.07	1945.735	639.535
load	N_100020394	constant_power_A_real	3891.47	0.0	1945.735	0.0
load	N_100020394	constant_power_B_real	3891.47	0.0	1945.735	0.0
load	N_100020394	constant_power_A_reac	1279.07	0.0	639.535	0.0
load	N_100020394	constant_power_B_reac	1279.07	0.0	639.535	0.0
load	N_100020391	constant_power_A	523.25	171.984	261.625	85.992
load	N_100020391	constant_power_B	523.25	171.984	261.625	85.992
load	N_100020391	constant_power_C	523.25	171.984	261.625	85.992
load	N_100020391	constant_power_A_real	523.25	0.0	261.625	0.0
load	N_100020391	constant_power_B_real	523.25	0.0	261.625	0.0
load	N_100020391	constant_power_C_real	523.25	0.0	261.625	0.0
load	N_100020391	constant_power_A_reac	171.984	0.0	85.992	0.0
load	N_100020391	constant_power_B_reac	171.984	0.0	85.992	0.0
load	N_100020391	constant_power_C_reac	171.984	0.0	85.992	0.0
load	N_100020390	constant_power_A	6000.14	3640.12	3000.07	1820.06
load	N_100020390	constant_power_B	6000.14	3640.12	3000.07	1820.06
load	N_100020390	constant_power_C	6000.14	3640.12	3000.07	1820.06
load	N_100020390	constant_power_A_real	6000.14	0.0	3000.07	0.0
load	N_100020390	constant_power_B_real	6000.14	0.0	3000.07	0.0
load	N_100020390	constant_power_C_real	6000.14	0.0	3000.07	0.0
load	N_100020390	constant_power_A_reac	3640.12	0.0	1820.06	0.0
load	N_100020390	constant_power_B_reac	3640.12	0.0	1820.06	0.0
load	N_100020390	constant_power_C_reac	3640.12	0.0	1820.06	0.0
load	N_100020399	constant_power_A	1789.07	588.04	894.535	294.02
load	N_100020399	constant_power_B	1789.07	588.04	894.535	294.02
load	N_100020399	constant_power_C	1789.07	588.04	894.535	294.02
load	N_100020399	constant_power_A_real	1789.07	0.0	894.535	0.0
load	N_100020399	constant_power_B_real	1789.07	0.0	894.535	0.0
load	N_100020399	constant_power_C_real	1789.07	0.0	894.535	0.0
load	N_100020399	constant_power_A_reac	588.04	0.0	294.02	0.0
load	N_100020399	constant_power_B_reac	588.04	0.0	294.02	0.0
load	N_100020399	constant_power_C_reac	588.04	0.0	294.02	0.0
load	N_100110367	constant_power_A	25665.9	8523.51	12832.95	4261.755
load	N_100110367	constant_power_B	25665.9	8523.51	12832.95	4261.755
load	N_100110367	constant_power_A_real	25665.9	0.0	12832.95	0.0
load	N_100110367	constant_power_B_real	25665.9	0.0	12832.95	0.0
load	N_100110367	constant_power_A_reac	8523.51	0.0	4261.755	0.0
load	N_100110367	constant_power_B_reac	8523.51	0.0	4261.755	0.0
load	N_100164406	constant_power_A	1038.67	341.393	519.335	170.6965
load	N_100164406	constant_power_B	1038.67	341.393	519.335	170.6965
load	N_100164406	constant_power_A_real	1038.67	0.0	519.335	0.0
load	N_100164406	constant_power_B_real	1038.67	0.0	519.335	0.0
load	N_100164406	constant_power_A_reac	341.393	0.0	170.6965	0.0
load	N_100164406	constant_power_B_reac	341.393	0.0	170.6965	0.0
load	N_100164408	constant_power_A	1823.54	599.369	911.77	299.6845
load	N_100164408	constant_power_B	1823.54	599.369	911.77	299.6845
load	N_100164408	constant_power_A_real	1823.54	0.0	911.77	0.0
load	N_100164408	constant_power_B_real	1823.54	0.0	911.77	0.0
load	N_100164408	constant_power_A_reac	599.369	0.0	299.6845	0.0
load	N_100164408	constant_power_B_reac	599.369	0.0	299.6845	0.0
load	N_100109998	constant_power_A	7792.35	2561.22	3896.175	1280.61
load	N_100109998	constant_power_C	7792.35	2561.22	3896.175	1280.61
load	N_100109998	constant_power_A_real	7792.35	0.0	3896.175	0.0
load	N_100109998	constant_power_C_real	7792.35	0.0	3896.175	0.0
load	N_100109998	constant_power_A_reac	2561.22	0.0	1280.61	0.0
load	N_100109998	constant_power_C_reac	2561.22	0.0	1280.61	0.0
load	N_100020363	constant_power_A	4405.32	1666.83	2202.66	833.415
load	N_100020363	constant_power_B	4405.32	1666.83	2202.66	833.415
load	N_100020363	constant_power_C	4405.32	1666.83	2202.66	833.415

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100020363	constant_power_A_real	4405.32	0.0	2202.66	0.0
load	N_100020363	constant_power_B_real	4405.32	0.0	2202.66	0.0
load	N_100020363	constant_power_C_real	4405.32	0.0	2202.66	0.0
load	N_100020363	constant_power_A_reac	1666.83	0.0	833.415	0.0
load	N_100020363	constant_power_B_reac	1666.83	0.0	833.415	0.0
load	N_100020363	constant_power_C_reac	1666.83	0.0	833.415	0.0
load	N_100020360	constant_power_A	2443.92	803.278	1221.96	401.639
load	N_100020360	constant_power_B	2443.92	803.278	1221.96	401.639
load	N_100020360	constant_power_A_real	2443.92	0.0	1221.96	0.0
load	N_100020360	constant_power_B_real	2443.92	0.0	1221.96	0.0
load	N_100020360	constant_power_A_reac	803.278	0.0	401.639	0.0
load	N_100020360	constant_power_B_reac	803.278	0.0	401.639	0.0
load	N_100020367	constant_power_A	460.585	285.445	230.2925	142.7225
load	N_100020367	constant_power_B	460.585	285.445	230.2925	142.7225
load	N_100020367	constant_power_C	460.585	285.445	230.2925	142.7225
load	N_100020367	constant_power_A_real	460.585	0.0	230.2925	0.0
load	N_100020367	constant_power_B_real	460.585	0.0	230.2925	0.0
load	N_100020367	constant_power_C_real	460.585	0.0	230.2925	0.0
load	N_100020367	constant_power_A_reac	285.445	0.0	142.7225	0.0
load	N_100020367	constant_power_B_reac	285.445	0.0	142.7225	0.0
load	N_100020367	constant_power_C_reac	285.445	0.0	142.7225	0.0
load	N_100020364	constant_power_A	7500.95	2465.44	3750.475	1232.72
load	N_100020364	constant_power_B	7500.95	2465.44	3750.475	1232.72
load	N_100020364	constant_power_A_real	7500.95	0.0	3750.475	0.0
load	N_100020364	constant_power_B_real	7500.95	0.0	3750.475	0.0
load	N_100020364	constant_power_A_reac	2465.44	0.0	1232.72	0.0
load	N_100020364	constant_power_B_reac	2465.44	0.0	1232.72	0.0
load	N_100020365	constant_power_A	2246.53	738.397	1123.265	369.1985
load	N_100020365	constant_power_B	2246.53	738.397	1123.265	369.1985
load	N_100020365	constant_power_C	2246.53	738.397	1123.265	369.1985
load	N_100020365	constant_power_A_real	2246.53	0.0	1123.265	0.0
load	N_100020365	constant_power_B_real	2246.53	0.0	1123.265	0.0
load	N_100020365	constant_power_C_real	2246.53	0.0	1123.265	0.0
load	N_100020365	constant_power_A_reac	738.397	0.0	369.1985	0.0
load	N_100020365	constant_power_B_reac	738.397	0.0	369.1985	0.0
load	N_100020365	constant_power_C_reac	738.397	0.0	369.1985	0.0
load	N_100109997	constant_power_A	7844.04	2578.21	3922.02	1289.105
load	N_100109997	constant_power_C	7844.04	2578.21	3922.02	1289.105
load	N_100109997	constant_power_A_real	7844.04	0.0	3922.02	0.0
load	N_100109997	constant_power_C_real	7844.04	0.0	3922.02	0.0
load	N_100109997	constant_power_A_reac	2578.21	0.0	1289.105	0.0
load	N_100109997	constant_power_C_reac	2578.21	0.0	1289.105	0.0
load	N_100013784	constant_power_A	526.383	326.223	263.1915	163.1115
load	N_100013784	constant_power_B	526.383	326.223	263.1915	163.1115
load	N_100013784	constant_power_C	526.383	326.223	263.1915	163.1115
load	N_100013784	constant_power_A_real	526.383	0.0	263.1915	0.0
load	N_100013784	constant_power_B_real	526.383	0.0	263.1915	0.0
load	N_100013784	constant_power_C_real	526.383	0.0	263.1915	0.0
load	N_100013784	constant_power_A_reac	326.223	0.0	163.1115	0.0
load	N_100013784	constant_power_B_reac	326.223	0.0	163.1115	0.0
load	N_100013784	constant_power_C_reac	326.223	0.0	163.1115	0.0
load	N_100104887	constant_power_A	1037.1	340.878	518.55	170.439
load	N_100104887	constant_power_B	1037.1	340.878	518.55	170.439
load	N_100104887	constant_power_C	1037.1	340.878	518.55	170.439
load	N_100104887	constant_power_A_real	1037.1	0.0	518.55	0.0
load	N_100104887	constant_power_B_real	1037.1	0.0	518.55	0.0
load	N_100104887	constant_power_C_real	1037.1	0.0	518.55	0.0
load	N_100104887	constant_power_A_reac	340.878	0.0	170.439	0.0
load	N_100104887	constant_power_B_reac	340.878	0.0	170.439	0.0
load	N_100104887	constant_power_C_reac	340.878	0.0	170.439	0.0
load	N_100110843	constant_power_A	8422.12	2768.22	4211.06	1384.11
load	N_100110843	constant_power_B	8422.12	2768.22	4211.06	1384.11
load	N_100110843	constant_power_A_real	8422.12	0.0	4211.06	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110843	constant_power_B_real	8422.12	0.0	4211.06	0.0
load	N_100110843	constant_power_A_reac	2768.22	0.0	1384.11	0.0
load	N_100110843	constant_power_B_reac	2768.22	0.0	1384.11	0.0
load	N_100125446	constant_power_B	4220.46	1387.2	2110.23	693.6
load	N_100125446	constant_power_C	4220.46	1387.2	2110.23	693.6
load	N_100125446	constant_power_B_real	4220.46	0.0	2110.23	0.0
load	N_100125446	constant_power_C_real	4220.46	0.0	2110.23	0.0
load	N_100125446	constant_power_B_reac	1387.2	0.0	693.6	0.0
load	N_100125446	constant_power_C_reac	1387.2	0.0	693.6	0.0
load	N_100021782	constant_power_A	36787.1	18106.6	18393.55	9053.3
load	N_100021782	constant_power_B	36787.1	18106.6	18393.55	9053.3
load	N_100021782	constant_power_C	36787.1	18106.6	18393.55	9053.3
load	N_100021782	constant_power_A_real	36787.1	0.0	18393.55	0.0
load	N_100021782	constant_power_B_real	36787.1	0.0	18393.55	0.0
load	N_100021782	constant_power_C_real	36787.1	0.0	18393.55	0.0
load	N_100021782	constant_power_A_reac	18106.6	0.0	9053.3	0.0
load	N_100021782	constant_power_B_reac	18106.6	0.0	9053.3	0.0
load	N_100021782	constant_power_C_reac	18106.6	0.0	9053.3	0.0
load	N_100051578	constant_power_A	1933.2	635.413	966.6	317.7065
load	N_100051578	constant_power_B	1933.2	635.413	966.6	317.7065
load	N_100051578	constant_power_C	1933.2	635.413	966.6	317.7065
load	N_100051578	constant_power_A_real	1933.2	0.0	966.6	0.0
load	N_100051578	constant_power_B_real	1933.2	0.0	966.6	0.0
load	N_100051578	constant_power_C_real	1933.2	0.0	966.6	0.0
load	N_100051578	constant_power_A_reac	635.413	0.0	317.7065	0.0
load	N_100051578	constant_power_B_reac	635.413	0.0	317.7065	0.0
load	N_100051578	constant_power_C_reac	635.413	0.0	317.7065	0.0
load	N_100058821	constant_power_A	730.043	239.953	365.0215	119.9765
load	N_100058821	constant_power_B	730.043	239.953	365.0215	119.9765
load	N_100058821	constant_power_C	730.043	239.953	365.0215	119.9765
load	N_100058821	constant_power_A_real	730.043	0.0	365.0215	0.0
load	N_100058821	constant_power_B_real	730.043	0.0	365.0215	0.0
load	N_100058821	constant_power_C_real	730.043	0.0	365.0215	0.0
load	N_100058821	constant_power_A_reac	239.953	0.0	119.9765	0.0
load	N_100058821	constant_power_B_reac	239.953	0.0	119.9765	0.0
load	N_100058821	constant_power_C_reac	239.953	0.0	119.9765	0.0
load	N_100104467	constant_power_A	1785.94	833.239	892.97	416.6195
load	N_100104467	constant_power_B	1785.94	833.239	892.97	416.6195
load	N_100104467	constant_power_A_real	1785.94	0.0	892.97	0.0
load	N_100104467	constant_power_B_real	1785.94	0.0	892.97	0.0
load	N_100104467	constant_power_A_reac	833.239	0.0	416.6195	0.0
load	N_100104467	constant_power_B_reac	833.239	0.0	416.6195	0.0
load	N_100104412	constant_power_A	1668.44	548.391	834.22	274.1955
load	N_100104412	constant_power_B	1668.44	548.391	834.22	274.1955
load	N_100104412	constant_power_A_real	1668.44	0.0	834.22	0.0
load	N_100104412	constant_power_B_real	1668.44	0.0	834.22	0.0
load	N_100104412	constant_power_A_reac	548.391	0.0	274.1955	0.0
load	N_100104412	constant_power_B_reac	548.391	0.0	274.1955	0.0
load	N_100003175	constant_power_A	9343.29	3070.99	4671.645	1535.495
load	N_100003175	constant_power_B	9343.29	3070.99	4671.645	1535.495
load	N_100003175	constant_power_A_real	9343.29	0.0	4671.645	0.0
load	N_100003175	constant_power_B_real	9343.29	0.0	4671.645	0.0
load	N_100003175	constant_power_A_reac	3070.99	0.0	1535.495	0.0
load	N_100003175	constant_power_B_reac	3070.99	0.0	1535.495	0.0
load	N_100093807	constant_power_A	14160.6	4654.38	7080.3	2327.19
load	N_100093807	constant_power_B	14160.6	4654.38	7080.3	2327.19
load	N_100093807	constant_power_A_real	14160.6	0.0	7080.3	0.0
load	N_100093807	constant_power_B_real	14160.6	0.0	7080.3	0.0
load	N_100093807	constant_power_A_reac	4654.38	0.0	2327.19	0.0
load	N_100093807	constant_power_B_reac	4654.38	0.0	2327.19	0.0
load	N_100093809	constant_power_A	16957.0	5573.51	8478.5	2786.755
load	N_100093809	constant_power_B	16957.0	5573.51	8478.5	2786.755
load	N_100093809	constant_power_A_real	16957.0	0.0	8478.5	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100093809	constant_power_B_real	16957.0	0.0	8478.5	0.0
load	N_100093809	constant_power_A_reac	5573.51	0.0	2786.755	0.0
load	N_100093809	constant_power_B_reac	5573.51	0.0	2786.755	0.0
load	N_100093248	constant_power_A	33350.1	10961.7	16675.05	5480.85
load	N_100093248	constant_power_B	33350.1	10961.7	16675.05	5480.85
load	N_100093248	constant_power_A_real	33350.1	0.0	16675.05	0.0
load	N_100093248	constant_power_B_real	33350.1	0.0	16675.05	0.0
load	N_100093248	constant_power_A_reac	10961.7	0.0	5480.85	0.0
load	N_100093248	constant_power_B_reac	10961.7	0.0	5480.85	0.0
load	N_100110142	constant_power_B	11871.8	3902.08	5935.9	1951.04
load	N_100110142	constant_power_C	11871.8	3902.08	5935.9	1951.04
load	N_100110142	constant_power_B_real	11871.8	0.0	5935.9	0.0
load	N_100110142	constant_power_C_real	11871.8	0.0	5935.9	0.0
load	N_100110142	constant_power_B_reac	3902.08	0.0	1951.04	0.0
load	N_100110142	constant_power_C_reac	3902.08	0.0	1951.04	0.0
load	N_100110143	constant_power_B	9841.48	3234.74	4920.74	1617.37
load	N_100110143	constant_power_C	9841.48	3234.74	4920.74	1617.37
load	N_100110143	constant_power_B_real	9841.48	0.0	4920.74	0.0
load	N_100110143	constant_power_C_real	9841.48	0.0	4920.74	0.0
load	N_100110143	constant_power_B_reac	3234.74	0.0	1617.37	0.0
load	N_100110143	constant_power_C_reac	3234.74	0.0	1617.37	0.0
load	N_100013935	constant_power_A	19018.0	11786.3	9509.0	5893.15
load	N_100013935	constant_power_B	19018.0	11786.3	9509.0	5893.15
load	N_100013935	constant_power_C	19018.0	11786.3	9509.0	5893.15
load	N_100013935	constant_power_A_real	19018.0	0.0	9509.0	0.0
load	N_100013935	constant_power_B_real	19018.0	0.0	9509.0	0.0
load	N_100013935	constant_power_C_real	19018.0	0.0	9509.0	0.0
load	N_100013935	constant_power_A_reac	11786.3	0.0	5893.15	0.0
load	N_100013935	constant_power_B_reac	11786.3	0.0	5893.15	0.0
load	N_100013935	constant_power_C_reac	11786.3	0.0	5893.15	0.0
load	N_100071004	constant_power_A	15166.4	4984.96	7583.2	2492.48
load	N_100071004	constant_power_C	15166.4	4984.96	7583.2	2492.48
load	N_100071004	constant_power_A_real	15166.4	0.0	7583.2	0.0
load	N_100071004	constant_power_C_real	15166.4	0.0	7583.2	0.0
load	N_100071004	constant_power_A_reac	4984.96	0.0	2492.48	0.0
load	N_100071004	constant_power_C_reac	4984.96	0.0	2492.48	0.0
load	N_100013937	constant_power_A	7089.65	4393.77	3544.825	2196.885
load	N_100013937	constant_power_B	7089.65	4393.77	3544.825	2196.885
load	N_100013937	constant_power_C	7089.65	4393.77	3544.825	2196.885
load	N_100013937	constant_power_A_real	7089.65	0.0	3544.825	0.0
load	N_100013937	constant_power_B_real	7089.65	0.0	3544.825	0.0
load	N_100013937	constant_power_C_real	7089.65	0.0	3544.825	0.0
load	N_100013937	constant_power_A_reac	4393.77	0.0	2196.885	0.0
load	N_100013937	constant_power_B_reac	4393.77	0.0	2196.885	0.0
load	N_100013937	constant_power_C_reac	4393.77	0.0	2196.885	0.0
load	N_100071000	constant_power_A	33942.3	11156.3	16971.15	5578.15
load	N_100071000	constant_power_C	33942.3	11156.3	16971.15	5578.15
load	N_100071000	constant_power_A_real	33942.3	0.0	16971.15	0.0
load	N_100071000	constant_power_C_real	33942.3	0.0	16971.15	0.0
load	N_100071000	constant_power_A_reac	11156.3	0.0	5578.15	0.0
load	N_100071000	constant_power_C_reac	11156.3	0.0	5578.15	0.0
load	N_100013933	constant_power_A	965.035	598.075	482.5175	299.0375
load	N_100013933	constant_power_B	965.035	598.075	482.5175	299.0375
load	N_100013933	constant_power_C	965.035	598.075	482.5175	299.0375
load	N_100013933	constant_power_A_real	965.035	0.0	482.5175	0.0
load	N_100013933	constant_power_B_real	965.035	0.0	482.5175	0.0
load	N_100013933	constant_power_C_real	965.035	0.0	482.5175	0.0
load	N_100013933	constant_power_A_reac	598.075	0.0	299.0375	0.0
load	N_100013933	constant_power_B_reac	598.075	0.0	299.0375	0.0
load	N_100013933	constant_power_C_reac	598.075	0.0	299.0375	0.0
load	N_100104951	constant_power_A	1123.26	369.199	561.63	184.5995
load	N_100104951	constant_power_B	1123.26	369.199	561.63	184.5995
load	N_100104951	constant_power_A_real	1123.26	0.0	561.63	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100104951	constant_power_B_real	1123.26	0.0	561.63	0.0
load	N_100104951	constant_power_A_reac	369.199	0.0	184.5995	0.0
load	N_100104951	constant_power_B_reac	369.199	0.0	184.5995	0.0
load	N_100110380	constant_power_A	15232.2	5006.58	7616.1	2503.29
load	N_100110380	constant_power_B	15232.2	5006.58	7616.1	2503.29
load	N_100110380	constant_power_A_real	15232.2	0.0	7616.1	0.0
load	N_100110380	constant_power_B_real	15232.2	0.0	7616.1	0.0
load	N_100110380	constant_power_A_reac	5006.58	0.0	2503.29	0.0
load	N_100110380	constant_power_B_reac	5006.58	0.0	2503.29	0.0
load	N_100018407	constant_power_A	13765.8	4524.62	6882.9	2262.31
load	N_100018407	constant_power_B	13765.8	4524.62	6882.9	2262.31
load	N_100018407	constant_power_A_real	13765.8	0.0	6882.9	0.0
load	N_100018407	constant_power_B_real	13765.8	0.0	6882.9	0.0
load	N_100018407	constant_power_A_reac	4524.62	0.0	2262.31	0.0
load	N_100018407	constant_power_B_reac	4524.62	0.0	2262.31	0.0
load	N_100162749	constant_power_A	13408.7	4407.21	6704.35	2203.605
load	N_100162749	constant_power_B	13408.7	4407.21	6704.35	2203.605
load	N_100162749	constant_power_A_real	13408.7	0.0	6704.35	0.0
load	N_100162749	constant_power_B_real	13408.7	0.0	6704.35	0.0
load	N_100162749	constant_power_A_reac	4407.21	0.0	2203.605	0.0
load	N_100162749	constant_power_B_reac	4407.21	0.0	2203.605	0.0
load	N_100134239	constant_power_A	354.055	219.424	177.0275	109.712
load	N_100134239	constant_power_B	354.055	219.424	177.0275	109.712
load	N_100134239	constant_power_C	354.055	219.424	177.0275	109.712
load	N_100134239	constant_power_A_real	354.055	0.0	177.0275	0.0
load	N_100134239	constant_power_B_real	354.055	0.0	177.0275	0.0
load	N_100134239	constant_power_C_real	354.055	0.0	177.0275	0.0
load	N_100134239	constant_power_A_reac	219.424	0.0	109.712	0.0
load	N_100134239	constant_power_B_reac	219.424	0.0	109.712	0.0
load	N_100134239	constant_power_C_reac	219.424	0.0	109.712	0.0
load	N_100109016	constant_power_A	9.39967	5.82539	4.699835	2.912695
load	N_100109016	constant_power_B	9.39967	5.82539	4.699835	2.912695
load	N_100109016	constant_power_C	9.39967	5.82539	4.699835	2.912695
load	N_100109016	constant_power_A_real	9.39967	0.0	4.699835	0.0
load	N_100109016	constant_power_B_real	9.39967	0.0	4.699835	0.0
load	N_100109016	constant_power_C_real	9.39967	0.0	4.699835	0.0
load	N_100109016	constant_power_A_reac	5.82539	0.0	2.912695	0.0
load	N_100109016	constant_power_B_reac	5.82539	0.0	2.912695	0.0
load	N_100109016	constant_power_C_reac	5.82539	0.0	2.912695	0.0
load	N_100109017	constant_power_A	1638.68	538.608	819.34	269.304
load	N_100109017	constant_power_B	1638.68	538.608	819.34	269.304
load	N_100109017	constant_power_C	1638.68	538.608	819.34	269.304
load	N_100109017	constant_power_A_real	1638.68	0.0	819.34	0.0
load	N_100109017	constant_power_B_real	1638.68	0.0	819.34	0.0
load	N_100109017	constant_power_C_real	1638.68	0.0	819.34	0.0
load	N_100109017	constant_power_A_reac	538.608	0.0	269.304	0.0
load	N_100109017	constant_power_B_reac	538.608	0.0	269.304	0.0
load	N_100109017	constant_power_C_reac	538.608	0.0	269.304	0.0
load	N_100018493	constant_power_A	1265.83	416.057	632.915	208.0285
load	N_100018493	constant_power_B	1265.83	416.057	632.915	208.0285
load	N_100018493	constant_power_C	1265.83	416.057	632.915	208.0285
load	N_100018493	constant_power_A_real	1265.83	0.0	632.915	0.0
load	N_100018493	constant_power_B_real	1265.83	0.0	632.915	0.0
load	N_100018493	constant_power_C_real	1265.83	0.0	632.915	0.0
load	N_100018493	constant_power_A_reac	416.057	0.0	208.0285	0.0
load	N_100018493	constant_power_B_reac	416.057	0.0	208.0285	0.0
load	N_100018493	constant_power_C_reac	416.057	0.0	208.0285	0.0
load	N_100110139	constant_power_A	625.08	205.454	312.54	102.727
load	N_100110139	constant_power_B	625.08	205.454	312.54	102.727
load	N_100110139	constant_power_A_real	625.08	0.0	312.54	0.0
load	N_100110139	constant_power_B_real	625.08	0.0	312.54	0.0
load	N_100110139	constant_power_A_reac	205.454	0.0	102.727	0.0
load	N_100110139	constant_power_B_reac	205.454	0.0	102.727	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110136	constant_power_A	10302.1	3386.12	5151.05	1693.06
load	N_100110136	constant_power_B	10302.1	3386.12	5151.05	1693.06
load	N_100110136	constant_power_A_real	10302.1	0.0	5151.05	0.0
load	N_100110136	constant_power_B_real	10302.1	0.0	5151.05	0.0
load	N_100110136	constant_power_A_reac	3386.12	0.0	1693.06	0.0
load	N_100110136	constant_power_B_reac	3386.12	0.0	1693.06	0.0
load	N_100004527	constant_power_B	2208.93	726.04	1104.465	363.02
load	N_100004527	constant_power_C	2208.93	726.04	1104.465	363.02
load	N_100004527	constant_power_B_real	2208.93	0.0	1104.465	0.0
load	N_100004527	constant_power_C_real	2208.93	0.0	1104.465	0.0
load	N_100004527	constant_power_B_reac	726.04	0.0	363.02	0.0
load	N_100004527	constant_power_C_reac	726.04	0.0	363.02	0.0
load	N_100004523	constant_power_B	9625.28	3163.68	4812.64	1581.84
load	N_100004523	constant_power_C	9625.28	3163.68	4812.64	1581.84
load	N_100004523	constant_power_B_real	9625.28	0.0	4812.64	0.0
load	N_100004523	constant_power_C_real	9625.28	0.0	4812.64	0.0
load	N_100004523	constant_power_B_reac	3163.68	0.0	1581.84	0.0
load	N_100004523	constant_power_C_reac	3163.68	0.0	1581.84	0.0
load	N_100033093	constant_power_A	10109.4	3322.79	5054.7	1661.395
load	N_100033093	constant_power_B	10109.4	3322.79	5054.7	1661.395
load	N_100033093	constant_power_A_real	10109.4	0.0	5054.7	0.0
load	N_100033093	constant_power_B_real	10109.4	0.0	5054.7	0.0
load	N_100033093	constant_power_A_reac	3322.79	0.0	1661.395	0.0
load	N_100033093	constant_power_B_reac	3322.79	0.0	1661.395	0.0
load	N_100108258	constant_power_B	6951.07	2641.74	3475.535	1320.87
load	N_100108258	constant_power_C	6951.07	2641.74	3475.535	1320.87
load	N_100108258	constant_power_B_real	6951.07	0.0	3475.535	0.0
load	N_100108258	constant_power_C_real	6951.07	0.0	3475.535	0.0
load	N_100108258	constant_power_B_reac	2641.74	0.0	1320.87	0.0
load	N_100108258	constant_power_C_reac	2641.74	0.0	1320.87	0.0
load	N_100051920	constant_power_A	422.986	139.029	211.493	69.5145
load	N_100051920	constant_power_B	422.986	139.029	211.493	69.5145
load	N_100051920	constant_power_A_real	422.986	0.0	211.493	0.0
load	N_100051920	constant_power_B_real	422.986	0.0	211.493	0.0
load	N_100051920	constant_power_A_reac	139.029	0.0	69.5145	0.0
load	N_100051920	constant_power_B_reac	139.029	0.0	69.5145	0.0
load	N_100150266	constant_power_A	11585.1	3807.84	5792.55	1903.92
load	N_100150266	constant_power_C	11585.1	3807.84	5792.55	1903.92
load	N_100150266	constant_power_A_real	11585.1	0.0	5792.55	0.0
load	N_100150266	constant_power_C_real	11585.1	0.0	5792.55	0.0
load	N_100150266	constant_power_A_reac	3807.84	0.0	1903.92	0.0
load	N_100150266	constant_power_C_reac	3807.84	0.0	1903.92	0.0
load	N_100047828	constant_power_A	16303.8	5358.79	8151.9	2679.395
load	N_100047828	constant_power_C	16303.8	5358.79	8151.9	2679.395
load	N_100047828	constant_power_A_real	16303.8	0.0	8151.9	0.0
load	N_100047828	constant_power_C_real	16303.8	0.0	8151.9	0.0
load	N_100047828	constant_power_A_reac	5358.79	0.0	2679.395	0.0
load	N_100047828	constant_power_C_reac	5358.79	0.0	2679.395	0.0
load	N_100073013	constant_power_A	786.441	487.392	393.2205	243.696
load	N_100073013	constant_power_B	786.441	487.392	393.2205	243.696
load	N_100073013	constant_power_C	786.441	487.392	393.2205	243.696
load	N_100073013	constant_power_A_real	786.441	0.0	393.2205	0.0
load	N_100073013	constant_power_B_real	786.441	0.0	393.2205	0.0
load	N_100073013	constant_power_C_real	786.441	0.0	393.2205	0.0
load	N_100073013	constant_power_A_reac	487.392	0.0	243.696	0.0
load	N_100073013	constant_power_B_reac	487.392	0.0	243.696	0.0
load	N_100073013	constant_power_C_reac	487.392	0.0	243.696	0.0
load	N_100051924	constant_power_A	2542.62	835.718	1271.31	417.859
load	N_100051924	constant_power_B	2542.62	835.718	1271.31	417.859
load	N_100051924	constant_power_A_real	2542.62	0.0	1271.31	0.0
load	N_100051924	constant_power_B_real	2542.62	0.0	1271.31	0.0
load	N_100051924	constant_power_A_reac	835.718	0.0	417.859	0.0
load	N_100051924	constant_power_B_reac	835.718	0.0	417.859	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100004413	constant_power_A	686.178	225.536	343.089	112.768
load	N_100004413	constant_power_B	686.178	225.536	343.089	112.768
load	N_100004413	constant_power_C	686.178	225.536	343.089	112.768
load	N_100004413	constant_power_A_real	686.178	0.0	343.089	0.0
load	N_100004413	constant_power_B_real	686.178	0.0	343.089	0.0
load	N_100004413	constant_power_C_real	686.178	0.0	343.089	0.0
load	N_100004413	constant_power_A_reac	225.536	0.0	112.768	0.0
load	N_100004413	constant_power_B_reac	225.536	0.0	112.768	0.0
load	N_100004413	constant_power_C_reac	225.536	0.0	112.768	0.0
load	N_100076169	constant_power_A	2194.83	721.405	1097.415	360.7025
load	N_100076169	constant_power_B	2194.83	721.405	1097.415	360.7025
load	N_100076169	constant_power_A_real	2194.83	0.0	1097.415	0.0
load	N_100076169	constant_power_B_real	2194.83	0.0	1097.415	0.0
load	N_100076169	constant_power_A_reac	721.405	0.0	360.7025	0.0
load	N_100076169	constant_power_B_reac	721.405	0.0	360.7025	0.0
load	N_100076168	constant_power_A	1508.65	495.87	754.325	247.935
load	N_100076168	constant_power_B	1508.65	495.87	754.325	247.935
load	N_100076168	constant_power_A_real	1508.65	0.0	754.325	0.0
load	N_100076168	constant_power_B_real	1508.65	0.0	754.325	0.0
load	N_100076168	constant_power_A_reac	495.87	0.0	247.935	0.0
load	N_100076168	constant_power_B_reac	495.87	0.0	247.935	0.0
load	N_100004553	constant_power_B	10476.0	3443.28	5238.0	1721.64
load	N_100004553	constant_power_C	10476.0	3443.28	5238.0	1721.64
load	N_100004553	constant_power_B_real	10476.0	0.0	5238.0	0.0
load	N_100004553	constant_power_C_real	10476.0	0.0	5238.0	0.0
load	N_100004553	constant_power_B_reac	3443.28	0.0	1721.64	0.0
load	N_100004553	constant_power_C_reac	3443.28	0.0	1721.64	0.0
load	N_100004551	constant_power_B	13794.0	4533.88	6897.0	2266.94
load	N_100004551	constant_power_C	13794.0	4533.88	6897.0	2266.94
load	N_100004551	constant_power_B_real	13794.0	0.0	6897.0	0.0
load	N_100004551	constant_power_C_real	13794.0	0.0	6897.0	0.0
load	N_100004551	constant_power_B_reac	4533.88	0.0	2266.94	0.0
load	N_100004551	constant_power_C_reac	4533.88	0.0	2266.94	0.0
load	N_100004550	constant_power_B	11256.1	3699.71	5628.05	1849.855
load	N_100004550	constant_power_C	11256.1	3699.71	5628.05	1849.855
load	N_100004550	constant_power_B_real	11256.1	0.0	5628.05	0.0
load	N_100004550	constant_power_C_real	11256.1	0.0	5628.05	0.0
load	N_100004550	constant_power_B_reac	3699.71	0.0	1849.855	0.0
load	N_100004550	constant_power_C_reac	3699.71	0.0	1849.855	0.0
load	N_100110292	constant_power_B	10170.5	3342.87	5085.25	1671.435
load	N_100110292	constant_power_C	10170.5	3342.87	5085.25	1671.435
load	N_100110292	constant_power_B_real	10170.5	0.0	5085.25	0.0
load	N_100110292	constant_power_C_real	10170.5	0.0	5085.25	0.0
load	N_100110292	constant_power_B_reac	3342.87	0.0	1671.435	0.0
load	N_100110292	constant_power_C_reac	3342.87	0.0	1671.435	0.0
load	N_100110293	constant_power_B	3167.7	1041.17	1583.85	520.585
load	N_100110293	constant_power_C	3167.7	1041.17	1583.85	520.585
load	N_100110293	constant_power_B_real	3167.7	0.0	1583.85	0.0
load	N_100110293	constant_power_C_real	3167.7	0.0	1583.85	0.0
load	N_100110293	constant_power_B_reac	1041.17	0.0	520.585	0.0
load	N_100110293	constant_power_C_reac	1041.17	0.0	520.585	0.0
load	N_100110290	constant_power_B	648.579	213.178	324.2895	106.589
load	N_100110290	constant_power_C	648.579	213.178	324.2895	106.589
load	N_100110290	constant_power_B_real	648.579	0.0	324.2895	0.0
load	N_100110290	constant_power_C_real	648.579	0.0	324.2895	0.0
load	N_100110290	constant_power_B_reac	213.178	0.0	106.589	0.0
load	N_100110290	constant_power_C_reac	213.178	0.0	106.589	0.0
load	N_100110291	constant_power_B	2321.72	763.114	1160.86	381.557
load	N_100110291	constant_power_C	2321.72	763.114	1160.86	381.557
load	N_100110291	constant_power_B_real	2321.72	0.0	1160.86	0.0
load	N_100110291	constant_power_C_real	2321.72	0.0	1160.86	0.0
load	N_100110291	constant_power_B_reac	763.114	0.0	381.557	0.0
load	N_100110291	constant_power_C_reac	763.114	0.0	381.557	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100081543	constant_power_A	1281.49	566.207	640.745	283.1035
load	N_100081543	constant_power_B	1281.49	566.207	640.745	283.1035
load	N_100081543	constant_power_C	1281.49	566.207	640.745	283.1035
load	N_100081543	constant_power_A_real	1281.49	0.0	640.745	0.0
load	N_100081543	constant_power_B_real	1281.49	0.0	640.745	0.0
load	N_100081543	constant_power_C_real	1281.49	0.0	640.745	0.0
load	N_100081543	constant_power_A_reac	566.207	0.0	283.1035	0.0
load	N_100081543	constant_power_B_reac	566.207	0.0	283.1035	0.0
load	N_100081543	constant_power_C_reac	566.207	0.0	283.1035	0.0
load	N_100164474	constant_power_A	8957.91	2944.32	4478.955	1472.16
load	N_100164474	constant_power_B	8957.91	2944.32	4478.955	1472.16
load	N_100164474	constant_power_A_real	8957.91	0.0	4478.955	0.0
load	N_100164474	constant_power_B_real	8957.91	0.0	4478.955	0.0
load	N_100164474	constant_power_A_reac	2944.32	0.0	1472.16	0.0
load	N_100164474	constant_power_B_reac	2944.32	0.0	1472.16	0.0
load	N_100110298	constant_power_A	2870.33	1778.87	1435.165	889.435
load	N_100110298	constant_power_B	2870.33	1778.87	1435.165	889.435
load	N_100110298	constant_power_C	2870.33	1778.87	1435.165	889.435
load	N_100110298	constant_power_A_real	2870.33	0.0	1435.165	0.0
load	N_100110298	constant_power_B_real	2870.33	0.0	1435.165	0.0
load	N_100110298	constant_power_C_real	2870.33	0.0	1435.165	0.0
load	N_100110298	constant_power_A_reac	1778.87	0.0	889.435	0.0
load	N_100110298	constant_power_B_reac	1778.87	0.0	889.435	0.0
load	N_100110298	constant_power_C_reac	1778.87	0.0	889.435	0.0
load	N_100129670	constant_power_A	2223.03	730.674	1111.515	365.337
load	N_100129670	constant_power_B	2223.03	730.674	1111.515	365.337
load	N_100129670	constant_power_A_real	2223.03	0.0	1111.515	0.0
load	N_100129670	constant_power_B_real	2223.03	0.0	1111.515	0.0
load	N_100129670	constant_power_A_reac	730.674	0.0	365.337	0.0
load	N_100129670	constant_power_B_reac	730.674	0.0	365.337	0.0
load	N_100129671	constant_power_A	1325.36	435.624	662.68	217.812
load	N_100129671	constant_power_B	1325.36	435.624	662.68	217.812
load	N_100129671	constant_power_C	1325.36	435.624	662.68	217.812
load	N_100129671	constant_power_A_real	1325.36	0.0	662.68	0.0
load	N_100129671	constant_power_B_real	1325.36	0.0	662.68	0.0
load	N_100129671	constant_power_C_real	1325.36	0.0	662.68	0.0
load	N_100129671	constant_power_A_reac	435.624	0.0	217.812	0.0
load	N_100129671	constant_power_B_reac	435.624	0.0	217.812	0.0
load	N_100129671	constant_power_C_reac	435.624	0.0	217.812	0.0
load	N_100129673	constant_power_A	1807.87	865.983	903.935	432.9915
load	N_100129673	constant_power_B	1807.87	865.983	903.935	432.9915
load	N_100129673	constant_power_C	1807.87	865.983	903.935	432.9915
load	N_100129673	constant_power_A_real	1807.87	0.0	903.935	0.0
load	N_100129673	constant_power_B_real	1807.87	0.0	903.935	0.0
load	N_100129673	constant_power_C_real	1807.87	0.0	903.935	0.0
load	N_100129673	constant_power_A_reac	865.983	0.0	432.9915	0.0
load	N_100129673	constant_power_B_reac	865.983	0.0	432.9915	0.0
load	N_100129673	constant_power_C_reac	865.983	0.0	432.9915	0.0
load	N_100150293	constant_power_B	11101.0	3648.73	5550.5	1824.365
load	N_100150293	constant_power_C	11101.0	3648.73	5550.5	1824.365
load	N_100150293	constant_power_B_real	11101.0	0.0	5550.5	0.0
load	N_100150293	constant_power_C_real	11101.0	0.0	5550.5	0.0
load	N_100150293	constant_power_B_reac	3648.73	0.0	1824.365	0.0
load	N_100150293	constant_power_C_reac	3648.73	0.0	1824.365	0.0
load	N_100150291	constant_power_B	13653.1	4487.54	6826.55	2243.77
load	N_100150291	constant_power_C	13653.1	4487.54	6826.55	2243.77
load	N_100150291	constant_power_B_real	13653.1	0.0	6826.55	0.0
load	N_100150291	constant_power_C_real	13653.1	0.0	6826.55	0.0
load	N_100150291	constant_power_B_reac	4487.54	0.0	2243.77	0.0
load	N_100150291	constant_power_C_reac	4487.54	0.0	2243.77	0.0
load	N_100150295	constant_power_B	8248.23	2711.06	4124.115	1355.53
load	N_100150295	constant_power_C	8248.23	2711.06	4124.115	1355.53
load	N_100150295	constant_power_B_real	8248.23	0.0	4124.115	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100150295	constant_power_C_real	8248.23	0.0	4124.115	0.0
load	N_100150295	constant_power_B_reac	2711.06	0.0	1355.53	0.0
load	N_100150295	constant_power_C_reac	2711.06	0.0	1355.53	0.0
load	N_100020353	constant_power_A	764.508	251.282	382.254	125.641
load	N_100020353	constant_power_B	764.508	251.282	382.254	125.641
load	N_100020353	constant_power_C	764.508	251.282	382.254	125.641
load	N_100020353	constant_power_A_real	764.508	0.0	382.254	0.0
load	N_100020353	constant_power_B_real	764.508	0.0	382.254	0.0
load	N_100020353	constant_power_C_real	764.508	0.0	382.254	0.0
load	N_100020353	constant_power_A_reac	251.282	0.0	125.641	0.0
load	N_100020353	constant_power_B_reac	251.282	0.0	125.641	0.0
load	N_100020353	constant_power_C_reac	251.282	0.0	125.641	0.0
load	N_100020357	constant_power_A	3521.75	2182.59	1760.875	1091.295
load	N_100020357	constant_power_B	3521.75	2182.59	1760.875	1091.295
load	N_100020357	constant_power_C	3521.75	2182.59	1760.875	1091.295
load	N_100020357	constant_power_A_real	3521.75	0.0	1760.875	0.0
load	N_100020357	constant_power_B_real	3521.75	0.0	1760.875	0.0
load	N_100020357	constant_power_C_real	3521.75	0.0	1760.875	0.0
load	N_100020357	constant_power_A_reac	2182.59	0.0	1091.295	0.0
load	N_100020357	constant_power_B_reac	2182.59	0.0	1091.295	0.0
load	N_100020357	constant_power_C_reac	2182.59	0.0	1091.295	0.0
load	N_100020356	constant_power_A	803.674	264.155	401.837	132.0775
load	N_100020356	constant_power_B	803.674	264.155	401.837	132.0775
load	N_100020356	constant_power_A_real	803.674	0.0	401.837	0.0
load	N_100020356	constant_power_B_real	803.674	0.0	401.837	0.0
load	N_100020356	constant_power_A_reac	264.155	0.0	132.0775	0.0
load	N_100020356	constant_power_B_reac	264.155	0.0	132.0775	0.0
load	N_100020355	constant_power_A	2396.92	787.83	1198.46	393.915
load	N_100020355	constant_power_B	2396.92	787.83	1198.46	393.915
load	N_100020355	constant_power_C	2396.92	787.83	1198.46	393.915
load	N_100020355	constant_power_A_real	2396.92	0.0	1198.46	0.0
load	N_100020355	constant_power_B_real	2396.92	0.0	1198.46	0.0
load	N_100020355	constant_power_C_real	2396.92	0.0	1198.46	0.0
load	N_100020355	constant_power_A_reac	787.83	0.0	393.915	0.0
load	N_100020355	constant_power_B_reac	787.83	0.0	393.915	0.0
load	N_100020355	constant_power_C_reac	787.83	0.0	393.915	0.0
load	N_100020359	constant_power_A	598.447	370.884	299.2235	185.442
load	N_100020359	constant_power_B	598.447	370.884	299.2235	185.442
load	N_100020359	constant_power_C	598.447	370.884	299.2235	185.442
load	N_100020359	constant_power_A_real	598.447	0.0	299.2235	0.0
load	N_100020359	constant_power_B_real	598.447	0.0	299.2235	0.0
load	N_100020359	constant_power_C_real	598.447	0.0	299.2235	0.0
load	N_100020359	constant_power_A_reac	370.884	0.0	185.442	0.0
load	N_100020359	constant_power_B_reac	370.884	0.0	185.442	0.0
load	N_100020359	constant_power_C_reac	370.884	0.0	185.442	0.0
load	N_100029524	constant_power_A	15309.0	5031.81	7654.5	2515.905
load	N_100029524	constant_power_B	15309.0	5031.81	7654.5	2515.905
load	N_100029524	constant_power_C	15309.0	5031.81	7654.5	2515.905
load	N_100029524	constant_power_A_real	15309.0	0.0	7654.5	0.0
load	N_100029524	constant_power_B_real	15309.0	0.0	7654.5	0.0
load	N_100029524	constant_power_C_real	15309.0	0.0	7654.5	0.0
load	N_100029524	constant_power_A_reac	5031.81	0.0	2515.905	0.0
load	N_100029524	constant_power_B_reac	5031.81	0.0	2515.905	0.0
load	N_100029524	constant_power_C_reac	5031.81	0.0	2515.905	0.0
load	N_100102600	constant_power_A	9503.09	3123.51	4751.545	1561.755
load	N_100102600	constant_power_B	9503.09	3123.51	4751.545	1561.755
load	N_100102600	constant_power_A_real	9503.09	0.0	4751.545	0.0
load	N_100102600	constant_power_B_real	9503.09	0.0	4751.545	0.0
load	N_100102600	constant_power_A_reac	3123.51	0.0	1561.755	0.0
load	N_100102600	constant_power_B_reac	3123.51	0.0	1561.755	0.0
load	N_100168711	constant_power_A	20105.9	6608.5	10052.95	3304.25
load	N_100168711	constant_power_B	20105.9	6608.5	10052.95	3304.25
load	N_100168711	constant_power_A_real	20105.9	0.0	10052.95	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100168711	constant_power_B_real	20105.9	0.0	10052.95	0.0
load	N_100168711	constant_power_A_reac	6608.5	0.0	3304.25	0.0
load	N_100168711	constant_power_B_reac	6608.5	0.0	3304.25	0.0
load	N_100004418	constant_power_A	43.8653	27.1853	21.93265	13.59265
load	N_100004418	constant_power_B	43.8653	27.1853	21.93265	13.59265
load	N_100004418	constant_power_C	43.8653	27.1853	21.93265	13.59265
load	N_100004418	constant_power_A_real	43.8653	0.0	21.93265	0.0
load	N_100004418	constant_power_B_real	43.8653	0.0	21.93265	0.0
load	N_100004418	constant_power_C_real	43.8653	0.0	21.93265	0.0
load	N_100004418	constant_power_A_reac	27.1853	0.0	13.59265	0.0
load	N_100004418	constant_power_B_reac	27.1853	0.0	13.59265	0.0
load	N_100004418	constant_power_C_reac	27.1853	0.0	13.59265	0.0
load	N_100122324	constant_power_B	14452.0	4750.15	7226.0	2375.075
load	N_100122324	constant_power_C	14452.0	4750.15	7226.0	2375.075
load	N_100122324	constant_power_B_real	14452.0	0.0	7226.0	0.0
load	N_100122324	constant_power_C_real	14452.0	0.0	7226.0	0.0
load	N_100122324	constant_power_B_reac	4750.15	0.0	2375.075	0.0
load	N_100122324	constant_power_C_reac	4750.15	0.0	2375.075	0.0
load	N_100122322	constant_power_B	18860.5	6199.14	9430.25	3099.57
load	N_100122322	constant_power_C	18860.5	6199.14	9430.25	3099.57
load	N_100122322	constant_power_B_real	18860.5	0.0	9430.25	0.0
load	N_100122322	constant_power_C_real	18860.5	0.0	9430.25	0.0
load	N_100122322	constant_power_B_reac	6199.14	0.0	3099.57	0.0
load	N_100122322	constant_power_C_reac	6199.14	0.0	3099.57	0.0
load	N_100122320	constant_power_B	22775.5	7485.93	11387.75	3742.965
load	N_100122320	constant_power_C	22775.5	7485.93	11387.75	3742.965
load	N_100122320	constant_power_B_real	22775.5	0.0	11387.75	0.0
load	N_100122320	constant_power_C_real	22775.5	0.0	11387.75	0.0
load	N_100122320	constant_power_B_reac	7485.93	0.0	3742.965	0.0
load	N_100122320	constant_power_C_reac	7485.93	0.0	3742.965	0.0
load	N_100110187	constant_power_A	5118.13	1682.25	2559.065	841.125
load	N_100110187	constant_power_C	5118.13	1682.25	2559.065	841.125
load	N_100110187	constant_power_A_real	5118.13	0.0	2559.065	0.0
load	N_100110187	constant_power_C_real	5118.13	0.0	2559.065	0.0
load	N_100110187	constant_power_A_reac	1682.25	0.0	841.125	0.0
load	N_100110187	constant_power_C_reac	1682.25	0.0	841.125	0.0
load	N_100110185	constant_power_B	14033.7	4709.79	7016.85	2354.895
load	N_100110185	constant_power_C	14033.7	4709.79	7016.85	2354.895
load	N_100110185	constant_power_B_real	14033.7	0.0	7016.85	0.0
load	N_100110185	constant_power_C_real	14033.7	0.0	7016.85	0.0
load	N_100110185	constant_power_B_reac	4709.79	0.0	2354.895	0.0
load	N_100110185	constant_power_C_reac	4709.79	0.0	2354.895	0.0
load	N_100004428	constant_power_A	4859.64	1597.29	2429.82	798.645
load	N_100004428	constant_power_B	4859.64	1597.29	2429.82	798.645
load	N_100004428	constant_power_C	4859.64	1597.29	2429.82	798.645
load	N_100004428	constant_power_A_real	4859.64	0.0	2429.82	0.0
load	N_100004428	constant_power_B_real	4859.64	0.0	2429.82	0.0
load	N_100004428	constant_power_C_real	4859.64	0.0	2429.82	0.0
load	N_100004428	constant_power_A_reac	1597.29	0.0	798.645	0.0
load	N_100004428	constant_power_B_reac	1597.29	0.0	798.645	0.0
load	N_100004428	constant_power_C_reac	1597.29	0.0	798.645	0.0
load	N_100162137	constant_power_A	11947.0	3926.79	5973.5	1963.395
load	N_100162137	constant_power_B	11947.0	3926.79	5973.5	1963.395
load	N_100162137	constant_power_A_real	11947.0	0.0	5973.5	0.0
load	N_100162137	constant_power_B_real	11947.0	0.0	5973.5	0.0
load	N_100162137	constant_power_A_reac	3926.79	0.0	1963.395	0.0
load	N_100162137	constant_power_B_reac	3926.79	0.0	1963.395	0.0
load	N_100074016	constant_power_A	10908.3	3585.4	5454.15	1792.7
load	N_100074016	constant_power_B	10908.3	3585.4	5454.15	1792.7
load	N_100074016	constant_power_A_real	10908.3	0.0	5454.15	0.0
load	N_100074016	constant_power_B_real	10908.3	0.0	5454.15	0.0
load	N_100074016	constant_power_A_reac	3585.4	0.0	1792.7	0.0
load	N_100074016	constant_power_B_reac	3585.4	0.0	1792.7	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100162129	constant_power_A	10598.2	3483.44	5299.1	1741.72
load	N_100162129	constant_power_B	10598.2	3483.44	5299.1	1741.72
load	N_100162129	constant_power_A_real	10598.2	0.0	5299.1	0.0
load	N_100162129	constant_power_B_real	10598.2	0.0	5299.1	0.0
load	N_100162129	constant_power_A_reac	3483.44	0.0	1741.72	0.0
load	N_100162129	constant_power_B_reac	3483.44	0.0	1741.72	0.0
load	N_100013851	constant_power_A	16333.3	10122.5	8166.65	5061.25
load	N_100013851	constant_power_B	16333.3	10122.5	8166.65	5061.25
load	N_100013851	constant_power_C	16333.3	10122.5	8166.65	5061.25
load	N_100013851	constant_power_A_real	16333.3	0.0	8166.65	0.0
load	N_100013851	constant_power_B_real	16333.3	0.0	8166.65	0.0
load	N_100013851	constant_power_C_real	16333.3	0.0	8166.65	0.0
load	N_100013851	constant_power_A_reac	10122.5	0.0	5061.25	0.0
load	N_100013851	constant_power_B_reac	10122.5	0.0	5061.25	0.0
load	N_100013851	constant_power_C_reac	10122.5	0.0	5061.25	0.0
load	N_100003173	constant_power_A	2227.73	732.218	1113.865	366.109
load	N_100003173	constant_power_B	2227.73	732.218	1113.865	366.109
load	N_100003173	constant_power_A_real	2227.73	0.0	1113.865	0.0
load	N_100003173	constant_power_B_real	2227.73	0.0	1113.865	0.0
load	N_100003173	constant_power_A_reac	732.218	0.0	366.109	0.0
load	N_100003173	constant_power_B_reac	732.218	0.0	366.109	0.0
load	N_100162755	constant_power_B	4770.34	1567.94	2385.17	783.97
load	N_100162755	constant_power_C	4770.34	1567.94	2385.17	783.97
load	N_100162755	constant_power_B_real	4770.34	0.0	2385.17	0.0
load	N_100162755	constant_power_C_real	4770.34	0.0	2385.17	0.0
load	N_100162755	constant_power_B_reac	1567.94	0.0	783.97	0.0
load	N_100162755	constant_power_C_reac	1567.94	0.0	783.97	0.0
load	N_100110622	constant_power_A	20505.4	6739.81	10252.7	3369.905
load	N_100110622	constant_power_B	20505.4	6739.81	10252.7	3369.905
load	N_100110622	constant_power_A_real	20505.4	0.0	10252.7	0.0
load	N_100110622	constant_power_B_real	20505.4	0.0	10252.7	0.0
load	N_100110622	constant_power_A_reac	6739.81	0.0	3369.905	0.0
load	N_100110622	constant_power_B_reac	6739.81	0.0	3369.905	0.0
load	N_100060851	constant_power_A	2703.98	888.755	1351.99	444.3775
load	N_100060851	constant_power_B	2703.98	888.755	1351.99	444.3775
load	N_100060851	constant_power_C	2703.98	888.755	1351.99	444.3775
load	N_100060851	constant_power_A_real	2703.98	0.0	1351.99	0.0
load	N_100060851	constant_power_B_real	2703.98	0.0	1351.99	0.0
load	N_100060851	constant_power_C_real	2703.98	0.0	1351.99	0.0
load	N_100060851	constant_power_A_reac	888.755	0.0	444.3775	0.0
load	N_100060851	constant_power_B_reac	888.755	0.0	444.3775	0.0
load	N_100060851	constant_power_C_reac	888.755	0.0	444.3775	0.0
load	N_100060853	constant_power_A	220.893	72.604	110.4465	36.302
load	N_100060853	constant_power_B	220.893	72.604	110.4465	36.302
load	N_100060853	constant_power_A_real	220.893	0.0	110.4465	0.0
load	N_100060853	constant_power_B_real	220.893	0.0	110.4465	0.0
load	N_100060853	constant_power_A_reac	72.604	0.0	36.302	0.0
load	N_100060853	constant_power_B_reac	72.604	0.0	36.302	0.0
load	N_100110173	constant_power_A	8356.33	2746.59	4178.165	1373.295
load	N_100110173	constant_power_B	8356.33	2746.59	4178.165	1373.295
load	N_100110173	constant_power_A_real	8356.33	0.0	4178.165	0.0
load	N_100110173	constant_power_B_real	8356.33	0.0	4178.165	0.0
load	N_100110173	constant_power_A_reac	2746.59	0.0	1373.295	0.0
load	N_100110173	constant_power_B_reac	2746.59	0.0	1373.295	0.0
load	N_100110172	constant_power_A	2255.93	741.487	1127.965	370.7435
load	N_100110172	constant_power_B	2255.93	741.487	1127.965	370.7435
load	N_100110172	constant_power_A_real	2255.93	0.0	1127.965	0.0
load	N_100110172	constant_power_B_real	2255.93	0.0	1127.965	0.0
load	N_100110172	constant_power_A_reac	741.487	0.0	370.7435	0.0
load	N_100110172	constant_power_B_reac	741.487	0.0	370.7435	0.0
load	N_100110170	constant_power_A	4756.24	1563.3	2378.12	781.65
load	N_100110170	constant_power_B	4756.24	1563.3	2378.12	781.65
load	N_100110170	constant_power_A_real	4756.24	0.0	2378.12	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110170	constant_power_B_real	4756.24	0.0	2378.12	0.0
load	N_100110170	constant_power_A_reac	1563.3	0.0	781.65	0.0
load	N_100110170	constant_power_B_reac	1563.3	0.0	781.65	0.0
load	N_100123093	constant_power_A	3966.67	1303.78	1983.335	651.89
load	N_100123093	constant_power_C	3966.67	1303.78	1983.335	651.89
load	N_100123093	constant_power_A_real	3966.67	0.0	1983.335	0.0
load	N_100123093	constant_power_C_real	3966.67	0.0	1983.335	0.0
load	N_100123093	constant_power_A_reac	1303.78	0.0	651.89	0.0
load	N_100123093	constant_power_C_reac	1303.78	0.0	651.89	0.0
load	N_100161678	constant_power_B	11185.6	3676.54	5592.8	1838.27
load	N_100161678	constant_power_C	11185.6	3676.54	5592.8	1838.27
load	N_100161678	constant_power_B_real	11185.6	0.0	5592.8	0.0
load	N_100161678	constant_power_C_real	11185.6	0.0	5592.8	0.0
load	N_100161678	constant_power_B_reac	3676.54	0.0	1838.27	0.0
load	N_100161678	constant_power_C_reac	3676.54	0.0	1838.27	0.0
load	N_100102628	constant_power_A	15782.1	5187.32	7891.05	2593.66
load	N_100102628	constant_power_B	15782.1	5187.32	7891.05	2593.66
load	N_100102628	constant_power_A_real	15782.1	0.0	7891.05	0.0
load	N_100102628	constant_power_B_real	15782.1	0.0	7891.05	0.0
load	N_100102628	constant_power_A_reac	5187.32	0.0	2593.66	0.0
load	N_100102628	constant_power_B_reac	5187.32	0.0	2593.66	0.0
load	N_100352716	constant_power_B	11707.3	3848.01	5853.65	1924.005
load	N_100352716	constant_power_C	11707.3	3848.01	5853.65	1924.005
load	N_100352716	constant_power_B_real	11707.3	0.0	5853.65	0.0
load	N_100352716	constant_power_C_real	11707.3	0.0	5853.65	0.0
load	N_100352716	constant_power_B_reac	3848.01	0.0	1924.005	0.0
load	N_100352716	constant_power_C_reac	3848.01	0.0	1924.005	0.0
load	N_100102622	constant_power_A	8652.42	2843.91	4326.21	1421.955
load	N_100102622	constant_power_B	8652.42	2843.91	4326.21	1421.955
load	N_100102622	constant_power_A_real	8652.42	0.0	4326.21	0.0
load	N_100102622	constant_power_B_real	8652.42	0.0	4326.21	0.0
load	N_100102622	constant_power_A_reac	2843.91	0.0	1421.955	0.0
load	N_100102622	constant_power_B_reac	2843.91	0.0	1421.955	0.0
load	N_100004446	constant_power_A	8920.31	2931.96	4460.155	1465.98
load	N_100004446	constant_power_B	8920.31	2931.96	4460.155	1465.98
load	N_100004446	constant_power_A_real	8920.31	0.0	4460.155	0.0
load	N_100004446	constant_power_B_real	8920.31	0.0	4460.155	0.0
load	N_100004446	constant_power_A_reac	2931.96	0.0	1465.98	0.0
load	N_100004446	constant_power_B_reac	2931.96	0.0	1465.98	0.0
load	N_100031699	constant_power_A	9591.32	3152.52	4795.66	1576.26
load	N_100031699	constant_power_B	9591.32	3152.52	4795.66	1576.26
load	N_100031699	constant_power_A_real	9591.32	0.0	4795.66	0.0
load	N_100031699	constant_power_B_real	9591.32	0.0	4795.66	0.0
load	N_100031699	constant_power_A_reac	3152.52	0.0	1576.26	0.0
load	N_100031699	constant_power_B_reac	3152.52	0.0	1576.26	0.0
load	N_100109021	constant_power_A	1008.9	331.61	504.45	165.805
load	N_100109021	constant_power_B	1008.9	331.61	504.45	165.805
load	N_100109021	constant_power_C	1008.9	331.61	504.45	165.805
load	N_100109021	constant_power_A_real	1008.9	0.0	504.45	0.0
load	N_100109021	constant_power_B_real	1008.9	0.0	504.45	0.0
load	N_100109021	constant_power_C_real	1008.9	0.0	504.45	0.0
load	N_100109021	constant_power_A_reac	331.61	0.0	165.805	0.0
load	N_100109021	constant_power_B_reac	331.61	0.0	165.805	0.0
load	N_100109021	constant_power_C_reac	331.61	0.0	165.805	0.0
load	N_100109020	constant_power_A	570.248	187.431	285.124	93.7155
load	N_100109020	constant_power_B	570.248	187.431	285.124	93.7155
load	N_100109020	constant_power_C	570.248	187.431	285.124	93.7155
load	N_100109020	constant_power_A_real	570.248	0.0	285.124	0.0
load	N_100109020	constant_power_B_real	570.248	0.0	285.124	0.0
load	N_100109020	constant_power_C_real	570.248	0.0	285.124	0.0
load	N_100109020	constant_power_A_reac	187.431	0.0	93.7155	0.0
load	N_100109020	constant_power_B_reac	187.431	0.0	93.7155	0.0
load	N_100109020	constant_power_C_reac	187.431	0.0	93.7155	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100164472	constant_power_A	5935.91	1951.04	2967.955	975.52
load	N_100164472	constant_power_B	5935.91	1951.04	2967.955	975.52
load	N_100164472	constant_power_A_real	5935.91	0.0	2967.955	0.0
load	N_100164472	constant_power_B_real	5935.91	0.0	2967.955	0.0
load	N_100164472	constant_power_A_reac	1951.04	0.0	975.52	0.0
load	N_100164472	constant_power_B_reac	1951.04	0.0	975.52	0.0
load	N_100110007	constant_power_A	13784.6	4530.79	6892.3	2265.395
load	N_100110007	constant_power_C	13784.6	4530.79	6892.3	2265.395
load	N_100110007	constant_power_A_real	13784.6	0.0	6892.3	0.0
load	N_100110007	constant_power_C_real	13784.6	0.0	6892.3	0.0
load	N_100110007	constant_power_A_reac	4530.79	0.0	2265.395	0.0
load	N_100110007	constant_power_C_reac	4530.79	0.0	2265.395	0.0
load	N_100110006	constant_power_A	9211.7	3027.74	4605.85	1513.87
load	N_100110006	constant_power_C	9211.7	3027.74	4605.85	1513.87
load	N_100110006	constant_power_A_real	9211.7	0.0	4605.85	0.0
load	N_100110006	constant_power_C_real	9211.7	0.0	4605.85	0.0
load	N_100110006	constant_power_A_reac	3027.74	0.0	1513.87	0.0
load	N_100110006	constant_power_C_reac	3027.74	0.0	1513.87	0.0
load	N_100110005	constant_power_A	7284.76	2394.39	3642.38	1197.195
load	N_100110005	constant_power_C	7284.76	2394.39	3642.38	1197.195
load	N_100110005	constant_power_A_real	7284.76	0.0	3642.38	0.0
load	N_100110005	constant_power_C_real	7284.76	0.0	3642.38	0.0
load	N_100110005	constant_power_A_reac	2394.39	0.0	1197.195	0.0
load	N_100110005	constant_power_C_reac	2394.39	0.0	1197.195	0.0
load	N_100004456	constant_power_A	16374.3	5381.96	8187.15	2690.98
load	N_100004456	constant_power_B	16374.3	5381.96	8187.15	2690.98
load	N_100004456	constant_power_A_real	16374.3	0.0	8187.15	0.0
load	N_100004456	constant_power_B_real	16374.3	0.0	8187.15	0.0
load	N_100004456	constant_power_A_reac	5381.96	0.0	2690.98	0.0
load	N_100004456	constant_power_B_reac	5381.96	0.0	2690.98	0.0
load	N_100004519	constant_power_A	7280.06	2392.84	3640.03	1196.42
load	N_100004519	constant_power_B	7280.06	2392.84	3640.03	1196.42
load	N_100004519	constant_power_A_real	7280.06	0.0	3640.03	0.0
load	N_100004519	constant_power_B_real	7280.06	0.0	3640.03	0.0
load	N_100004519	constant_power_A_reac	2392.84	0.0	1196.42	0.0
load	N_100004519	constant_power_B_reac	2392.84	0.0	1196.42	0.0
load	N_100004516	constant_power_A	10424.3	3426.29	5212.15	1713.145
load	N_100004516	constant_power_B	10424.3	3426.29	5212.15	1713.145
load	N_100004516	constant_power_A_real	10424.3	0.0	5212.15	0.0
load	N_100004516	constant_power_B_real	10424.3	0.0	5212.15	0.0
load	N_100004516	constant_power_A_reac	3426.29	0.0	1713.145	0.0
load	N_100004516	constant_power_B_reac	3426.29	0.0	1713.145	0.0
load	N_100004515	constant_power_B	9785.08	3216.2	4892.54	1608.1
load	N_100004515	constant_power_C	9785.08	3216.2	4892.54	1608.1
load	N_100004515	constant_power_B_real	9785.08	0.0	4892.54	0.0
load	N_100004515	constant_power_C_real	9785.08	0.0	4892.54	0.0
load	N_100004515	constant_power_B_reac	3216.2	0.0	1608.1	0.0
load	N_100004515	constant_power_C_reac	3216.2	0.0	1608.1	0.0
load	N_100092814	constant_power_A	10295.8	3384.06	5147.9	1692.03
load	N_100092814	constant_power_B	10295.8	3384.06	5147.9	1692.03
load	N_100092814	constant_power_C	10295.8	3384.06	5147.9	1692.03
load	N_100092814	constant_power_A_real	10295.8	0.0	5147.9	0.0
load	N_100092814	constant_power_B_real	10295.8	0.0	5147.9	0.0
load	N_100092814	constant_power_C_real	10295.8	0.0	5147.9	0.0
load	N_100092814	constant_power_A_reac	3384.06	0.0	1692.03	0.0
load	N_100092814	constant_power_B_reac	3384.06	0.0	1692.03	0.0
load	N_100092814	constant_power_C_reac	3384.06	0.0	1692.03	0.0
load	N_100110415	constant_power_A	20666.7	12808.0	10333.35	6404.0
load	N_100110415	constant_power_B	20666.7	12808.0	10333.35	6404.0
load	N_100110415	constant_power_C	20666.7	12808.0	10333.35	6404.0
load	N_100110415	constant_power_A_real	20666.7	0.0	10333.35	0.0
load	N_100110415	constant_power_B_real	20666.7	0.0	10333.35	0.0
load	N_100110415	constant_power_C_real	20666.7	0.0	10333.35	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110415	constant_power_A_reac	12808.0	0.0	6404.0	0.0
load	N_100110415	constant_power_B_reac	12808.0	0.0	6404.0	0.0
load	N_100110415	constant_power_C_reac	12808.0	0.0	6404.0	0.0
load	N_100020398	constant_power_A	4283.13	1407.8	2141.565	703.9
load	N_100020398	constant_power_B	4283.13	1407.8	2141.565	703.9
load	N_100020398	constant_power_C	4283.13	1407.8	2141.565	703.9
load	N_100020398	constant_power_A_real	4283.13	0.0	2141.565	0.0
load	N_100020398	constant_power_B_real	4283.13	0.0	2141.565	0.0
load	N_100020398	constant_power_C_real	4283.13	0.0	2141.565	0.0
load	N_100020398	constant_power_A_reac	1407.8	0.0	703.9	0.0
load	N_100020398	constant_power_B_reac	1407.8	0.0	703.9	0.0
load	N_100020398	constant_power_C_reac	1407.8	0.0	703.9	0.0
load	N_100093246	constant_power_A	15504.8	5096.18	7752.4	2548.09
load	N_100093246	constant_power_B	15504.8	5096.18	7752.4	2548.09
load	N_100093246	constant_power_A_real	15504.8	0.0	7752.4	0.0
load	N_100093246	constant_power_B_real	15504.8	0.0	7752.4	0.0
load	N_100093246	constant_power_A_reac	5096.18	0.0	2548.09	0.0
load	N_100093246	constant_power_B_reac	5096.18	0.0	2548.09	0.0
load	N_100093244	constant_power_A	14104.2	4635.84	7052.1	2317.92
load	N_100093244	constant_power_B	14104.2	4635.84	7052.1	2317.92
load	N_100093244	constant_power_A_real	14104.2	0.0	7052.1	0.0
load	N_100093244	constant_power_B_real	14104.2	0.0	7052.1	0.0
load	N_100093244	constant_power_A_reac	4635.84	0.0	2317.92	0.0
load	N_100093244	constant_power_B_reac	4635.84	0.0	2317.92	0.0
load	N_100093242	constant_power_A	11688.5	3841.83	5844.25	1920.915
load	N_100093242	constant_power_B	11688.5	3841.83	5844.25	1920.915
load	N_100093242	constant_power_A_real	11688.5	0.0	5844.25	0.0
load	N_100093242	constant_power_B_real	11688.5	0.0	5844.25	0.0
load	N_100093242	constant_power_A_reac	3841.83	0.0	1920.915	0.0
load	N_100093242	constant_power_B_reac	3841.83	0.0	1920.915	0.0
load	N_100129015	constant_power_A	9208.57	5706.96	4604.285	2853.48
load	N_100129015	constant_power_B	9208.57	5706.96	4604.285	2853.48
load	N_100129015	constant_power_C	9208.57	5706.96	4604.285	2853.48
load	N_100129015	constant_power_A_real	9208.57	0.0	4604.285	0.0
load	N_100129015	constant_power_B_real	9208.57	0.0	4604.285	0.0
load	N_100129015	constant_power_C_real	9208.57	0.0	4604.285	0.0
load	N_100129015	constant_power_A_reac	5706.96	0.0	2853.48	0.0
load	N_100129015	constant_power_B_reac	5706.96	0.0	2853.48	0.0
load	N_100129015	constant_power_C_reac	5706.96	0.0	2853.48	0.0
load	N_100045749	constant_power_A	1080.96	355.296	540.48	177.648
load	N_100045749	constant_power_B	1080.96	355.296	540.48	177.648
load	N_100045749	constant_power_A_real	1080.96	0.0	540.48	0.0
load	N_100045749	constant_power_B_real	1080.96	0.0	540.48	0.0
load	N_100045749	constant_power_A_reac	355.296	0.0	177.648	0.0
load	N_100045749	constant_power_B_reac	355.296	0.0	177.648	0.0
load	N_100021773	constant_power_A	37290.4	18175.0	18645.2	9087.5
load	N_100021773	constant_power_B	37290.4	18175.0	18645.2	9087.5
load	N_100021773	constant_power_C	37290.4	18175.0	18645.2	9087.5
load	N_100021773	constant_power_A_real	37290.4	0.0	18645.2	0.0
load	N_100021773	constant_power_B_real	37290.4	0.0	18645.2	0.0
load	N_100021773	constant_power_C_real	37290.4	0.0	18645.2	0.0
load	N_100021773	constant_power_A_reac	18175.0	0.0	9087.5	0.0
load	N_100021773	constant_power_B_reac	18175.0	0.0	9087.5	0.0
load	N_100021773	constant_power_C_reac	18175.0	0.0	9087.5	0.0
load	N_100110145	constant_power_A	19288.2	6611.93	9644.1	3305.965
load	N_100110145	constant_power_B	19288.2	6611.93	9644.1	3305.965
load	N_100110145	constant_power_A_real	19288.2	0.0	9644.1	0.0
load	N_100110145	constant_power_B_real	19288.2	0.0	9644.1	0.0
load	N_100110145	constant_power_A_reac	6611.93	0.0	3305.965	0.0
load	N_100110145	constant_power_B_reac	6611.93	0.0	3305.965	0.0
load	N_100109987	constant_power_A	14555.4	4784.14	7277.7	2392.07
load	N_100109987	constant_power_C	14555.4	4784.14	7277.7	2392.07
load	N_100109987	constant_power_A_real	14555.4	0.0	7277.7	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100109987	constant_power_C_real	14555.4	0.0	7277.7	0.0
load	N_100109987	constant_power_A_reac	4784.14	0.0	2392.07	0.0
load	N_100109987	constant_power_C_reac	4784.14	0.0	2392.07	0.0
load	N_100003179	constant_power_A	5141.63	1689.97	2570.815	844.985
load	N_100003179	constant_power_B	5141.63	1689.97	2570.815	844.985
load	N_100003179	constant_power_A_real	5141.63	0.0	2570.815	0.0
load	N_100003179	constant_power_B_real	5141.63	0.0	2570.815	0.0
load	N_100003179	constant_power_A_reac	1689.97	0.0	844.985	0.0
load	N_100003179	constant_power_B_reac	1689.97	0.0	844.985	0.0
load	N_100076133	constant_power_A	1754.61	576.712	877.305	288.356
load	N_100076133	constant_power_B	1754.61	576.712	877.305	288.356
load	N_100076133	constant_power_C	1754.61	576.712	877.305	288.356
load	N_100076133	constant_power_A_real	1754.61	0.0	877.305	0.0
load	N_100076133	constant_power_B_real	1754.61	0.0	877.305	0.0
load	N_100076133	constant_power_C_real	1754.61	0.0	877.305	0.0
load	N_100076133	constant_power_A_reac	576.712	0.0	288.356	0.0
load	N_100076133	constant_power_B_reac	576.712	0.0	288.356	0.0
load	N_100076133	constant_power_C_reac	576.712	0.0	288.356	0.0
load	N_100076134	constant_power_A	1516.48	498.444	758.24	249.222
load	N_100076134	constant_power_B	1516.48	498.444	758.24	249.222
load	N_100076134	constant_power_C	1516.48	498.444	758.24	249.222
load	N_100076134	constant_power_A_real	1516.48	0.0	758.24	0.0
load	N_100076134	constant_power_B_real	1516.48	0.0	758.24	0.0
load	N_100076134	constant_power_C_real	1516.48	0.0	758.24	0.0
load	N_100076134	constant_power_A_reac	498.444	0.0	249.222	0.0
load	N_100076134	constant_power_B_reac	498.444	0.0	249.222	0.0
load	N_100076134	constant_power_C_reac	498.444	0.0	249.222	0.0
load	N_100076135	constant_power_A	1525.88	501.534	762.94	250.767
load	N_100076135	constant_power_B	1525.88	501.534	762.94	250.767
load	N_100076135	constant_power_C	1525.88	501.534	762.94	250.767
load	N_100076135	constant_power_A_real	1525.88	0.0	762.94	0.0
load	N_100076135	constant_power_B_real	1525.88	0.0	762.94	0.0
load	N_100076135	constant_power_C_real	1525.88	0.0	762.94	0.0
load	N_100076135	constant_power_A_reac	501.534	0.0	250.767	0.0
load	N_100076135	constant_power_B_reac	501.534	0.0	250.767	0.0
load	N_100076135	constant_power_C_reac	501.534	0.0	250.767	0.0
load	N_100349957	constant_power_A	2666.67	1652.65	1333.335	826.325
load	N_100349957	constant_power_B	2666.67	1652.65	1333.335	826.325
load	N_100349957	constant_power_C	2666.67	1652.65	1333.335	826.325
load	N_100349957	constant_power_A_real	2666.67	0.0	1333.335	0.0
load	N_100349957	constant_power_B_real	2666.67	0.0	1333.335	0.0
load	N_100349957	constant_power_C_real	2666.67	0.0	1333.335	0.0
load	N_100349957	constant_power_A_reac	1652.65	0.0	826.325	0.0
load	N_100349957	constant_power_B_reac	1652.65	0.0	826.325	0.0
load	N_100349957	constant_power_C_reac	1652.65	0.0	826.325	0.0
load	N_100020354	constant_power_A	1776.54	583.921	888.27	291.9605
load	N_100020354	constant_power_B	1776.54	583.921	888.27	291.9605
load	N_100020354	constant_power_A_real	1776.54	0.0	888.27	0.0
load	N_100020354	constant_power_B_real	1776.54	0.0	888.27	0.0
load	N_100020354	constant_power_A_reac	583.921	0.0	291.9605	0.0
load	N_100020354	constant_power_B_reac	583.921	0.0	291.9605	0.0
load	N_100052502	constant_power_A	15732.0	5170.84	7866.0	2585.42
load	N_100052502	constant_power_B	15732.0	5170.84	7866.0	2585.42
load	N_100052502	constant_power_C	15732.0	5170.84	7866.0	2585.42
load	N_100052502	constant_power_A_real	15732.0	0.0	7866.0	0.0
load	N_100052502	constant_power_B_real	15732.0	0.0	7866.0	0.0
load	N_100052502	constant_power_C_real	15732.0	0.0	7866.0	0.0
load	N_100052502	constant_power_A_reac	5170.84	0.0	2585.42	0.0
load	N_100052502	constant_power_B_reac	5170.84	0.0	2585.42	0.0
load	N_100052502	constant_power_C_reac	5170.84	0.0	2585.42	0.0
load	N_100110300	constant_power_A	20097.6	8449.15	10048.8	4224.575
load	N_100110300	constant_power_B	20097.6	8449.15	10048.8	4224.575
load	N_100110300	constant_power_C	20097.6	8449.15	10048.8	4224.575

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110300	constant_power_A_real	20097.6	0.0	10048.8	0.0
load	N_100110300	constant_power_B_real	20097.6	0.0	10048.8	0.0
load	N_100110300	constant_power_C_real	20097.6	0.0	10048.8	0.0
load	N_100110300	constant_power_A_reac	8449.15	0.0	4224.575	0.0
load	N_100110300	constant_power_B_reac	8449.15	0.0	4224.575	0.0
load	N_100110300	constant_power_C_reac	8449.15	0.0	4224.575	0.0
load	N_100004536	constant_power_B	2227.73	732.218	1113.865	366.109
load	N_100004536	constant_power_C	2227.73	732.218	1113.865	366.109
load	N_100004536	constant_power_B_real	2227.73	0.0	1113.865	0.0
load	N_100004536	constant_power_C_real	2227.73	0.0	1113.865	0.0
load	N_100004536	constant_power_B_reac	732.218	0.0	366.109	0.0
load	N_100004536	constant_power_C_reac	732.218	0.0	366.109	0.0
load	N_100059433	constant_power_A	2396.92	787.83	1198.46	393.915
load	N_100059433	constant_power_B	2396.92	787.83	1198.46	393.915
load	N_100059433	constant_power_A_real	2396.92	0.0	1198.46	0.0
load	N_100059433	constant_power_B_real	2396.92	0.0	1198.46	0.0
load	N_100059433	constant_power_A_reac	787.83	0.0	393.915	0.0
load	N_100059433	constant_power_B_reac	787.83	0.0	393.915	0.0
load	N_100003145	constant_power_A	8735.45	2871.2	4367.725	1435.6
load	N_100003145	constant_power_B	8735.45	2871.2	4367.725	1435.6
load	N_100003145	constant_power_C	8735.45	2871.2	4367.725	1435.6
load	N_100003145	constant_power_A_real	8735.45	0.0	4367.725	0.0
load	N_100003145	constant_power_B_real	8735.45	0.0	4367.725	0.0
load	N_100003145	constant_power_C_real	8735.45	0.0	4367.725	0.0
load	N_100003145	constant_power_A_reac	2871.2	0.0	1435.6	0.0
load	N_100003145	constant_power_B_reac	2871.2	0.0	1435.6	0.0
load	N_100003145	constant_power_C_reac	2871.2	0.0	1435.6	0.0
load	N_100092812	constant_power_A	15872.9	5217.19	7936.45	2608.595
load	N_100092812	constant_power_B	15872.9	5217.19	7936.45	2608.595
load	N_100092812	constant_power_C	15872.9	5217.19	7936.45	2608.595
load	N_100092812	constant_power_A_real	15872.9	0.0	7936.45	0.0
load	N_100092812	constant_power_B_real	15872.9	0.0	7936.45	0.0
load	N_100092812	constant_power_C_real	15872.9	0.0	7936.45	0.0
load	N_100092812	constant_power_A_reac	5217.19	0.0	2608.595	0.0
load	N_100092812	constant_power_B_reac	5217.19	0.0	2608.595	0.0
load	N_100092812	constant_power_C_reac	5217.19	0.0	2608.595	0.0
load	N_100052504	constant_power_A	8704.11	2860.9	4352.055	1430.45
load	N_100052504	constant_power_B	8704.11	2860.9	4352.055	1430.45
load	N_100052504	constant_power_A_real	8704.11	0.0	4352.055	0.0
load	N_100052504	constant_power_B_real	8704.11	0.0	4352.055	0.0
load	N_100052504	constant_power_A_reac	2860.9	0.0	1430.45	0.0
load	N_100052504	constant_power_B_reac	2860.9	0.0	1430.45	0.0
load	N_100052503	constant_power_A	7629.42	2507.67	3814.71	1253.835
load	N_100052503	constant_power_B	7629.42	2507.67	3814.71	1253.835
load	N_100052503	constant_power_C	7629.42	2507.67	3814.71	1253.835
load	N_100052503	constant_power_A_real	7629.42	0.0	3814.71	0.0
load	N_100052503	constant_power_B_real	7629.42	0.0	3814.71	0.0
load	N_100052503	constant_power_C_real	7629.42	0.0	3814.71	0.0
load	N_100052503	constant_power_A_reac	2507.67	0.0	1253.835	0.0
load	N_100052503	constant_power_B_reac	2507.67	0.0	1253.835	0.0
load	N_100052503	constant_power_C_reac	2507.67	0.0	1253.835	0.0
load	N_100138878	constant_power_A	6116.07	3790.4	3058.035	1895.2
load	N_100138878	constant_power_B	6116.07	3790.4	3058.035	1895.2
load	N_100138878	constant_power_C	6116.07	3790.4	3058.035	1895.2
load	N_100138878	constant_power_A_real	6116.07	0.0	3058.035	0.0
load	N_100138878	constant_power_B_real	6116.07	0.0	3058.035	0.0
load	N_100138878	constant_power_C_real	6116.07	0.0	3058.035	0.0
load	N_100138878	constant_power_A_reac	3790.4	0.0	1895.2	0.0
load	N_100138878	constant_power_B_reac	3790.4	0.0	1895.2	0.0
load	N_100138878	constant_power_C_reac	3790.4	0.0	1895.2	0.0
load	N_100013881	constant_power_A	2666.67	1652.65	1333.335	826.325
load	N_100013881	constant_power_B	2666.67	1652.65	1333.335	826.325
load	N_100013881	constant_power_C	2666.67	1652.65	1333.335	826.325

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100013881	constant_power_A_real	2666.67	0.0	1333.335	0.0
load	N_100013881	constant_power_B_real	2666.67	0.0	1333.335	0.0
load	N_100013881	constant_power_C_real	2666.67	0.0	1333.335	0.0
load	N_100013881	constant_power_A_reac	1652.65	0.0	826.325	0.0
load	N_100013881	constant_power_B_reac	1652.65	0.0	826.325	0.0
load	N_100013881	constant_power_C_reac	1652.65	0.0	826.325	0.0
load	N_100020358	constant_power_A	2550.45	838.292	1275.225	419.146
load	N_100020358	constant_power_B	2550.45	838.292	1275.225	419.146
load	N_100020358	constant_power_C	2550.45	838.292	1275.225	419.146
load	N_100020358	constant_power_A_real	2550.45	0.0	1275.225	0.0
load	N_100020358	constant_power_B_real	2550.45	0.0	1275.225	0.0
load	N_100020358	constant_power_C_real	2550.45	0.0	1275.225	0.0
load	N_100020358	constant_power_A_reac	838.292	0.0	419.146	0.0
load	N_100020358	constant_power_B_reac	838.292	0.0	419.146	0.0
load	N_100020358	constant_power_C_reac	838.292	0.0	419.146	0.0
load	N_100093239	constant_power_A	8346.93	2743.5	4173.465	1371.75
load	N_100093239	constant_power_B	8346.93	2743.5	4173.465	1371.75
load	N_100093239	constant_power_A_real	8346.93	0.0	4173.465	0.0
load	N_100093239	constant_power_B_real	8346.93	0.0	4173.465	0.0
load	N_100093239	constant_power_A_reac	2743.5	0.0	1371.75	0.0
load	N_100093239	constant_power_B_reac	2743.5	0.0	1371.75	0.0
load	N_100013863	constant_power_A	1767.14	580.831	883.57	290.4155
load	N_100013863	constant_power_B	1767.14	580.831	883.57	290.4155
load	N_100013863	constant_power_A_real	1767.14	0.0	883.57	0.0
load	N_100013863	constant_power_B_real	1767.14	0.0	883.57	0.0
load	N_100013863	constant_power_A_reac	580.831	0.0	290.4155	0.0
load	N_100013863	constant_power_B_reac	580.831	0.0	290.4155	0.0
load	N_100013862	constant_power_A	21017.8	8169.47	10508.9	4084.735
load	N_100013862	constant_power_B	21017.8	8169.47	10508.9	4084.735
load	N_100013862	constant_power_C	21017.8	8169.47	10508.9	4084.735
load	N_100013862	constant_power_A_real	21017.8	0.0	10508.9	0.0
load	N_100013862	constant_power_B_real	21017.8	0.0	10508.9	0.0
load	N_100013862	constant_power_C_real	21017.8	0.0	10508.9	0.0
load	N_100013862	constant_power_A_reac	8169.47	0.0	4084.735	0.0
load	N_100013862	constant_power_B_reac	8169.47	0.0	4084.735	0.0
load	N_100013862	constant_power_C_reac	8169.47	0.0	4084.735	0.0
load	N_100013861	constant_power_A	10167.3	4185.4	5083.65	2092.7
load	N_100013861	constant_power_B	10167.3	4185.4	5083.65	2092.7
load	N_100013861	constant_power_C	10167.3	4185.4	5083.65	2092.7
load	N_100013861	constant_power_A_real	10167.3	0.0	5083.65	0.0
load	N_100013861	constant_power_B_real	10167.3	0.0	5083.65	0.0
load	N_100013861	constant_power_C_real	10167.3	0.0	5083.65	0.0
load	N_100013861	constant_power_A_reac	4185.4	0.0	2092.7	0.0
load	N_100013861	constant_power_B_reac	4185.4	0.0	2092.7	0.0
load	N_100013861	constant_power_C_reac	4185.4	0.0	2092.7	0.0
load	N_100104949	constant_power_A	24288.8	7983.34	12144.4	3991.67
load	N_100104949	constant_power_B	24288.8	7983.34	12144.4	3991.67
load	N_100104949	constant_power_A_real	24288.8	0.0	12144.4	0.0
load	N_100104949	constant_power_B_real	24288.8	0.0	12144.4	0.0
load	N_100104949	constant_power_A_reac	7983.34	0.0	3991.67	0.0
load	N_100104949	constant_power_B_reac	7983.34	0.0	3991.67	0.0
load	N_100120546	constant_power_A	6147.97	3810.17	3073.985	1905.085
load	N_100120546	constant_power_B	6147.97	3810.17	3073.985	1905.085
load	N_100120546	constant_power_C	6147.97	3810.17	3073.985	1905.085
load	N_100120546	constant_power_A_real	6147.97	0.0	3073.985	0.0
load	N_100120546	constant_power_B_real	6147.97	0.0	3073.985	0.0
load	N_100120546	constant_power_C_real	6147.97	0.0	3073.985	0.0
load	N_100120546	constant_power_A_reac	3810.17	0.0	1905.085	0.0
load	N_100120546	constant_power_B_reac	3810.17	0.0	1905.085	0.0
load	N_100120546	constant_power_C_reac	3810.17	0.0	1905.085	0.0
load	N_100095371	constant_power_A	8868.61	2914.97	4434.305	1457.485
load	N_100095371	constant_power_B	8868.61	2914.97	4434.305	1457.485
load	N_100095371	constant_power_A_real	8868.61	0.0	4434.305	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100095371	constant_power_B_real	8868.61	0.0	4434.305	0.0
load	N_100095371	constant_power_A_reac	2914.97	0.0	1457.485	0.0
load	N_100095371	constant_power_B_reac	2914.97	0.0	1457.485	0.0
load	N_100095370	constant_power_A	7421.06	2439.18	3710.53	1219.59
load	N_100095370	constant_power_B	7421.06	2439.18	3710.53	1219.59
load	N_100095370	constant_power_A_real	7421.06	0.0	3710.53	0.0
load	N_100095370	constant_power_B_real	7421.06	0.0	3710.53	0.0
load	N_100095370	constant_power_A_reac	2439.18	0.0	1219.59	0.0
load	N_100095370	constant_power_B_reac	2439.18	0.0	1219.59	0.0
load	N_100095375	constant_power_A	16769.1	5511.72	8384.55	2755.86
load	N_100095375	constant_power_B	16769.1	5511.72	8384.55	2755.86
load	N_100095375	constant_power_A_real	16769.1	0.0	8384.55	0.0
load	N_100095375	constant_power_B_real	16769.1	0.0	8384.55	0.0
load	N_100095375	constant_power_A_reac	5511.72	0.0	2755.86	0.0
load	N_100095375	constant_power_B_reac	5511.72	0.0	2755.86	0.0
load	N_100095374	constant_power_A	8201.23	2695.61	4100.615	1347.805
load	N_100095374	constant_power_B	8201.23	2695.61	4100.615	1347.805
load	N_100095374	constant_power_A_real	8201.23	0.0	4100.615	0.0
load	N_100095374	constant_power_B_real	8201.23	0.0	4100.615	0.0
load	N_100095374	constant_power_A_reac	2695.61	0.0	1347.805	0.0
load	N_100095374	constant_power_B_reac	2695.61	0.0	1347.805	0.0
load	N_100110536	constant_power_A	40664.4	18992.9	20332.2	9496.45
load	N_100110536	constant_power_B	40664.4	18992.9	20332.2	9496.45
load	N_100110536	constant_power_C	40664.4	18992.9	20332.2	9496.45
load	N_100110536	constant_power_A_real	40664.4	0.0	20332.2	0.0
load	N_100110536	constant_power_B_real	40664.4	0.0	20332.2	0.0
load	N_100110536	constant_power_C_real	40664.4	0.0	20332.2	0.0
load	N_100110536	constant_power_A_reac	18992.9	0.0	9496.45	0.0
load	N_100110536	constant_power_B_reac	18992.9	0.0	9496.45	0.0
load	N_100110536	constant_power_C_reac	18992.9	0.0	9496.45	0.0
load	N_100013913	constant_power_A	26269.5	16280.3	13134.75	8140.15
load	N_100013913	constant_power_B	26269.5	16280.3	13134.75	8140.15
load	N_100013913	constant_power_C	26269.5	16280.3	13134.75	8140.15
load	N_100013913	constant_power_A_real	26269.5	0.0	13134.75	0.0
load	N_100013913	constant_power_B_real	26269.5	0.0	13134.75	0.0
load	N_100013913	constant_power_C_real	26269.5	0.0	13134.75	0.0
load	N_100013913	constant_power_A_reac	16280.3	0.0	8140.15	0.0
load	N_100013913	constant_power_B_reac	16280.3	0.0	8140.15	0.0
load	N_100013913	constant_power_C_reac	16280.3	0.0	8140.15	0.0
load	N_100084025	constant_power_A	19499.7	6409.23	9749.85	3204.615
load	N_100084025	constant_power_C	19499.7	6409.23	9749.85	3204.615
load	N_100084025	constant_power_A_real	19499.7	0.0	9749.85	0.0
load	N_100084025	constant_power_C_real	19499.7	0.0	9749.85	0.0
load	N_100084025	constant_power_A_reac	6409.23	0.0	3204.615	0.0
load	N_100084025	constant_power_C_reac	6409.23	0.0	3204.615	0.0
load	N_100110671	constant_power_A	25618.9	8420.51	12809.45	4210.255
load	N_100110671	constant_power_B	25618.9	8420.51	12809.45	4210.255
load	N_100110671	constant_power_A_real	25618.9	0.0	12809.45	0.0
load	N_100110671	constant_power_B_real	25618.9	0.0	12809.45	0.0
load	N_100110671	constant_power_A_reac	8420.51	0.0	4210.255	0.0
load	N_100110671	constant_power_B_reac	8420.51	0.0	4210.255	0.0
load	N_100110672	constant_power_A	5921.81	1946.4	2960.905	973.2
load	N_100110672	constant_power_B	5921.81	1946.4	2960.905	973.2
load	N_100110672	constant_power_C	5921.81	1946.4	2960.905	973.2
load	N_100110672	constant_power_A_real	5921.81	0.0	2960.905	0.0
load	N_100110672	constant_power_B_real	5921.81	0.0	2960.905	0.0
load	N_100110672	constant_power_C_real	5921.81	0.0	2960.905	0.0
load	N_100110672	constant_power_A_reac	1946.4	0.0	973.2	0.0
load	N_100110672	constant_power_B_reac	1946.4	0.0	973.2	0.0
load	N_100110672	constant_power_C_reac	1946.4	0.0	973.2	0.0
load	N_100110678	constant_power_A	51333.3	31813.5	25666.65	15906.75
load	N_100110678	constant_power_B	51333.3	31813.5	25666.65	15906.75
load	N_100110678	constant_power_C	51333.3	31813.5	25666.65	15906.75

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110678	constant_power_A_real	51333.3	0.0	25666.65	0.0
load	N_100110678	constant_power_B_real	51333.3	0.0	25666.65	0.0
load	N_100110678	constant_power_C_real	51333.3	0.0	25666.65	0.0
load	N_100110678	constant_power_A_reac	31813.5	0.0	15906.75	0.0
load	N_100110678	constant_power_B_reac	31813.5	0.0	15906.75	0.0
load	N_100110678	constant_power_C_reac	31813.5	0.0	15906.75	0.0
load	N_100110129	constant_power_A	12774.2	4198.67	6387.1	2099.335
load	N_100110129	constant_power_B	12774.2	4198.67	6387.1	2099.335
load	N_100110129	constant_power_A_real	12774.2	0.0	6387.1	0.0
load	N_100110129	constant_power_B_real	12774.2	0.0	6387.1	0.0
load	N_100110129	constant_power_A_reac	4198.67	0.0	2099.335	0.0
load	N_100110129	constant_power_B_reac	4198.67	0.0	2099.335	0.0
load	N_100110120	constant_power_A	14691.7	4828.93	7345.85	2414.465
load	N_100110120	constant_power_B	14691.7	4828.93	7345.85	2414.465
load	N_100110120	constant_power_A_real	14691.7	0.0	7345.85	0.0
load	N_100110120	constant_power_B_real	14691.7	0.0	7345.85	0.0
load	N_100110120	constant_power_A_reac	4828.93	0.0	2414.465	0.0
load	N_100110120	constant_power_B_reac	4828.93	0.0	2414.465	0.0
load	N_100013817	constant_power_A	17347.1	5701.73	8673.55	2850.865
load	N_100013817	constant_power_B	17347.1	5701.73	8673.55	2850.865
load	N_100013817	constant_power_A_real	17347.1	0.0	8673.55	0.0
load	N_100013817	constant_power_B_real	17347.1	0.0	8673.55	0.0
load	N_100013817	constant_power_A_reac	5701.73	0.0	2850.865	0.0
load	N_100013817	constant_power_B_reac	5701.73	0.0	2850.865	0.0
load	N_100013814	constant_power_A	4612.12	1515.93	2306.06	757.965
load	N_100013814	constant_power_B	4612.12	1515.93	2306.06	757.965
load	N_100013814	constant_power_C	4612.12	1515.93	2306.06	757.965
load	N_100013814	constant_power_A_real	4612.12	0.0	2306.06	0.0
load	N_100013814	constant_power_B_real	4612.12	0.0	2306.06	0.0
load	N_100013814	constant_power_C_real	4612.12	0.0	2306.06	0.0
load	N_100013814	constant_power_A_reac	1515.93	0.0	757.965	0.0
load	N_100013814	constant_power_B_reac	1515.93	0.0	757.965	0.0
load	N_100013814	constant_power_C_reac	1515.93	0.0	757.965	0.0
load	N_100104941	constant_power_A	535.782	176.103	267.891	88.0515
load	N_100104941	constant_power_B	535.782	176.103	267.891	88.0515
load	N_100104941	constant_power_C	535.782	176.103	267.891	88.0515
load	N_100104941	constant_power_A_real	535.782	0.0	267.891	0.0
load	N_100104941	constant_power_B_real	535.782	0.0	267.891	0.0
load	N_100104941	constant_power_C_real	535.782	0.0	267.891	0.0
load	N_100104941	constant_power_A_reac	176.103	0.0	88.0515	0.0
load	N_100104941	constant_power_B_reac	176.103	0.0	88.0515	0.0
load	N_100104941	constant_power_C_reac	176.103	0.0	88.0515	0.0
load	N_100013811	constant_power_A	3377.62	1110.17	1688.81	555.085
load	N_100013811	constant_power_B	3377.62	1110.17	1688.81	555.085
load	N_100013811	constant_power_C	3377.62	1110.17	1688.81	555.085
load	N_100013811	constant_power_A_real	3377.62	0.0	1688.81	0.0
load	N_100013811	constant_power_B_real	3377.62	0.0	1688.81	0.0
load	N_100013811	constant_power_C_real	3377.62	0.0	1688.81	0.0
load	N_100013811	constant_power_A_reac	1110.17	0.0	555.085	0.0
load	N_100013811	constant_power_B_reac	1110.17	0.0	555.085	0.0
load	N_100013811	constant_power_C_reac	1110.17	0.0	555.085	0.0
load	N_100104952	constant_power_A	2284.12	786.322	1142.06	393.161
load	N_100104952	constant_power_B	2284.12	786.322	1142.06	393.161
load	N_100104952	constant_power_A_real	2284.12	0.0	1142.06	0.0
load	N_100104952	constant_power_B_real	2284.12	0.0	1142.06	0.0
load	N_100104952	constant_power_A_reac	786.322	0.0	393.161	0.0
load	N_100104952	constant_power_B_reac	786.322	0.0	393.161	0.0
load	N_100109999	constant_power_A	8483.22	2788.3	4241.61	1394.15
load	N_100109999	constant_power_C	8483.22	2788.3	4241.61	1394.15
load	N_100109999	constant_power_A_real	8483.22	0.0	4241.61	0.0
load	N_100109999	constant_power_C_real	8483.22	0.0	4241.61	0.0
load	N_100109999	constant_power_A_reac	2788.3	0.0	1394.15	0.0
load	N_100109999	constant_power_C_reac	2788.3	0.0	1394.15	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100020402	constant_power_A	1391.15	457.25	695.575	228.625
load	N_100020402	constant_power_B	1391.15	457.25	695.575	228.625
load	N_100020402	constant_power_A_real	1391.15	0.0	695.575	0.0
load	N_100020402	constant_power_B_real	1391.15	0.0	695.575	0.0
load	N_100020402	constant_power_A_reac	457.25	0.0	228.625	0.0
load	N_100020402	constant_power_B_reac	457.25	0.0	228.625	0.0
load	N_100108980	constant_power_A	10081.2	3313.52	5040.6	1656.76
load	N_100108980	constant_power_B	10081.2	3313.52	5040.6	1656.76
load	N_100108980	constant_power_A_real	10081.2	0.0	5040.6	0.0
load	N_100108980	constant_power_B_real	10081.2	0.0	5040.6	0.0
load	N_100108980	constant_power_A_reac	3313.52	0.0	1656.76	0.0
load	N_100108980	constant_power_B_reac	3313.52	0.0	1656.76	0.0
load	N_100161685	constant_power_B	10184.6	3347.5	5092.3	1673.75
load	N_100161685	constant_power_C	10184.6	3347.5	5092.3	1673.75
load	N_100161685	constant_power_B_real	10184.6	0.0	5092.3	0.0
load	N_100161685	constant_power_C_real	10184.6	0.0	5092.3	0.0
load	N_100161685	constant_power_B_reac	3347.5	0.0	1673.75	0.0
load	N_100161685	constant_power_C_reac	3347.5	0.0	1673.75	0.0
load	N_100108985	constant_power_A	6828.88	2244.54	3414.44	1122.27
load	N_100108985	constant_power_B	6828.88	2244.54	3414.44	1122.27
load	N_100108985	constant_power_A_real	6828.88	0.0	3414.44	0.0
load	N_100108985	constant_power_B_real	6828.88	0.0	3414.44	0.0
load	N_100108985	constant_power_A_reac	2244.54	0.0	1122.27	0.0
load	N_100108985	constant_power_B_reac	2244.54	0.0	1122.27	0.0
load	N_100167414	constant_power_A	17640.1	10932.3	8820.05	5466.15
load	N_100167414	constant_power_B	17640.1	10932.3	8820.05	5466.15
load	N_100167414	constant_power_C	17640.1	10932.3	8820.05	5466.15
load	N_100167414	constant_power_A_real	17640.1	0.0	8820.05	0.0
load	N_100167414	constant_power_B_real	17640.1	0.0	8820.05	0.0
load	N_100167414	constant_power_C_real	17640.1	0.0	8820.05	0.0
load	N_100167414	constant_power_A_reac	10932.3	0.0	5466.15	0.0
load	N_100167414	constant_power_B_reac	10932.3	0.0	5466.15	0.0
load	N_100167414	constant_power_C_reac	10932.3	0.0	5466.15	0.0
load	N_100013919	constant_power_A	14000.0	8676.42	7000.0	4338.21
load	N_100013919	constant_power_B	14000.0	8676.42	7000.0	4338.21
load	N_100013919	constant_power_C	14000.0	8676.42	7000.0	4338.21
load	N_100013919	constant_power_A_real	14000.0	0.0	7000.0	0.0
load	N_100013919	constant_power_B_real	14000.0	0.0	7000.0	0.0
load	N_100013919	constant_power_C_real	14000.0	0.0	7000.0	0.0
load	N_100013919	constant_power_A_reac	8676.42	0.0	4338.21	0.0
load	N_100013919	constant_power_B_reac	8676.42	0.0	4338.21	0.0
load	N_100013919	constant_power_C_reac	8676.42	0.0	4338.21	0.0
load	N_100108246	constant_power_B	2227.73	810.191	1113.865	405.0955
load	N_100108246	constant_power_C	2227.73	810.191	1113.865	405.0955
load	N_100108246	constant_power_B_real	2227.73	0.0	1113.865	0.0
load	N_100108246	constant_power_C_real	2227.73	0.0	1113.865	0.0
load	N_100108246	constant_power_B_reac	810.191	0.0	405.0955	0.0
load	N_100108246	constant_power_C_reac	810.191	0.0	405.0955	0.0
load	N_100108241	constant_power_B	31456.1	10339.1	15728.05	5169.55
load	N_100108241	constant_power_C	31456.1	10339.1	15728.05	5169.55
load	N_100108241	constant_power_B_real	31456.1	0.0	15728.05	0.0
load	N_100108241	constant_power_C_real	31456.1	0.0	15728.05	0.0
load	N_100108241	constant_power_B_reac	10339.1	0.0	5169.55	0.0
load	N_100108241	constant_power_C_reac	10339.1	0.0	5169.55	0.0
load	N_100108242	constant_power_B	1720.14	565.384	860.07	282.692
load	N_100108242	constant_power_C	1720.14	565.384	860.07	282.692
load	N_100108242	constant_power_B_real	1720.14	0.0	860.07	0.0
load	N_100108242	constant_power_C_real	1720.14	0.0	860.07	0.0
load	N_100108242	constant_power_B_reac	565.384	0.0	282.692	0.0
load	N_100108242	constant_power_C_reac	565.384	0.0	282.692	0.0
load	N_100111895	constant_power_A	8820.04	3073.19	4410.02	1536.595
load	N_100111895	constant_power_B	8820.04	3073.19	4410.02	1536.595
load	N_100111895	constant_power_C	8820.04	3073.19	4410.02	1536.595

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100111895	constant_power_A_real	8820.04	0.0	4410.02	0.0
load	N_100111895	constant_power_B_real	8820.04	0.0	4410.02	0.0
load	N_100111895	constant_power_C_real	8820.04	0.0	4410.02	0.0
load	N_100111895	constant_power_A_reac	3073.19	0.0	1536.595	0.0
load	N_100111895	constant_power_B_reac	3073.19	0.0	1536.595	0.0
load	N_100111895	constant_power_C_reac	3073.19	0.0	1536.595	0.0
load	N_100004466	constant_power_A	10709.4	6637.08	5354.7	3318.54
load	N_100004466	constant_power_B	10709.4	6637.08	5354.7	3318.54
load	N_100004466	constant_power_C	10709.4	6637.08	5354.7	3318.54
load	N_100004466	constant_power_A_real	10709.4	0.0	5354.7	0.0
load	N_100004466	constant_power_B_real	10709.4	0.0	5354.7	0.0
load	N_100004466	constant_power_C_real	10709.4	0.0	5354.7	0.0
load	N_100004466	constant_power_A_reac	6637.08	0.0	3318.54	0.0
load	N_100004466	constant_power_B_reac	6637.08	0.0	3318.54	0.0
load	N_100004466	constant_power_C_reac	6637.08	0.0	3318.54	0.0
load	N_100095369	constant_power_A	3872.67	1272.89	1936.335	636.445
load	N_100095369	constant_power_B	3872.67	1272.89	1936.335	636.445
load	N_100095369	constant_power_A_real	3872.67	0.0	1936.335	0.0
load	N_100095369	constant_power_B_real	3872.67	0.0	1936.335	0.0
load	N_100095369	constant_power_A_reac	1272.89	0.0	636.445	0.0
load	N_100095369	constant_power_B_reac	1272.89	0.0	636.445	0.0
load	N_100110588	constant_power_A	21340.4	7014.26	10670.2	3507.13
load	N_100110588	constant_power_B	21340.4	7014.26	10670.2	3507.13
load	N_100110588	constant_power_C	21340.4	7014.26	10670.2	3507.13
load	N_100110588	constant_power_A_real	21340.4	0.0	10670.2	0.0
load	N_100110588	constant_power_B_real	21340.4	0.0	10670.2	0.0
load	N_100110588	constant_power_C_real	21340.4	0.0	10670.2	0.0
load	N_100110588	constant_power_A_reac	7014.26	0.0	3507.13	0.0
load	N_100110588	constant_power_B_reac	7014.26	0.0	3507.13	0.0
load	N_100110588	constant_power_C_reac	7014.26	0.0	3507.13	0.0
load	N_100108249	constant_power_B	9719.28	3194.57	4859.64	1597.285
load	N_100108249	constant_power_C	9719.28	3194.57	4859.64	1597.285
load	N_100108249	constant_power_B_real	9719.28	0.0	4859.64	0.0
load	N_100108249	constant_power_C_real	9719.28	0.0	4859.64	0.0
load	N_100108249	constant_power_B_reac	3194.57	0.0	1597.285	0.0
load	N_100108249	constant_power_C_reac	3194.57	0.0	1597.285	0.0
load	N_100110582	constant_power_A	8718.21	2865.54	4359.105	1432.77
load	N_100110582	constant_power_B	8718.21	2865.54	4359.105	1432.77
load	N_100110582	constant_power_A_real	8718.21	0.0	4359.105	0.0
load	N_100110582	constant_power_B_real	8718.21	0.0	4359.105	0.0
load	N_100110582	constant_power_A_reac	2865.54	0.0	1432.77	0.0
load	N_100110582	constant_power_B_reac	2865.54	0.0	1432.77	0.0
load	N_100110583	constant_power_A	10856.6	3568.41	5428.3	1784.205
load	N_100110583	constant_power_B	10856.6	3568.41	5428.3	1784.205
load	N_100110583	constant_power_A_real	10856.6	0.0	5428.3	0.0
load	N_100110583	constant_power_B_real	10856.6	0.0	5428.3	0.0
load	N_100110583	constant_power_A_reac	3568.41	0.0	1784.205	0.0
load	N_100110583	constant_power_B_reac	3568.41	0.0	1784.205	0.0
load	N_100110581	constant_power_A	10598.2	3483.44	5299.1	1741.72
load	N_100110581	constant_power_B	10598.2	3483.44	5299.1	1741.72
load	N_100110581	constant_power_A_real	10598.2	0.0	5299.1	0.0
load	N_100110581	constant_power_B_real	10598.2	0.0	5299.1	0.0
load	N_100110581	constant_power_A_reac	3483.44	0.0	1741.72	0.0
load	N_100110581	constant_power_B_reac	3483.44	0.0	1741.72	0.0
load	N_100336740	constant_power_A	16618.7	5649.7	8309.35	2824.85
load	N_100336740	constant_power_B	16618.7	5649.7	8309.35	2824.85
load	N_100336740	constant_power_A_real	16618.7	0.0	8309.35	0.0
load	N_100336740	constant_power_B_real	16618.7	0.0	8309.35	0.0
load	N_100336740	constant_power_A_reac	5649.7	0.0	2824.85	0.0
load	N_100336740	constant_power_B_reac	5649.7	0.0	2824.85	0.0
load	N_100095393	constant_power_A	8003.84	2630.73	4001.92	1315.365
load	N_100095393	constant_power_B	8003.84	2630.73	4001.92	1315.365
load	N_100095393	constant_power_A_real	8003.84	0.0	4001.92	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100095393	constant_power_B_real	8003.84	0.0	4001.92	0.0
load	N_100095393	constant_power_A_reac	2630.73	0.0	1315.365	0.0
load	N_100095393	constant_power_B_reac	2630.73	0.0	1315.365	0.0
load	N_100095392	constant_power_A	14929.7	6653.52	7464.85	3326.76
load	N_100095392	constant_power_B	14929.7	6653.52	7464.85	3326.76
load	N_100095392	constant_power_A_real	14929.7	0.0	7464.85	0.0
load	N_100095392	constant_power_B_real	14929.7	0.0	7464.85	0.0
load	N_100095392	constant_power_A_reac	6653.52	0.0	3326.76	0.0
load	N_100095392	constant_power_B_reac	6653.52	0.0	3326.76	0.0
load	N_100095391	constant_power_A	10241.0	3366.04	5120.5	1683.02
load	N_100095391	constant_power_B	10241.0	3366.04	5120.5	1683.02
load	N_100095391	constant_power_A_real	10241.0	0.0	5120.5	0.0
load	N_100095391	constant_power_B_real	10241.0	0.0	5120.5	0.0
load	N_100095391	constant_power_A_reac	3366.04	0.0	1683.02	0.0
load	N_100095391	constant_power_B_reac	3366.04	0.0	1683.02	0.0
load	N_100095390	constant_power_A	10927.1	3591.58	5463.55	1795.79
load	N_100095390	constant_power_B	10927.1	3591.58	5463.55	1795.79
load	N_100095390	constant_power_A_real	10927.1	0.0	5463.55	0.0
load	N_100095390	constant_power_B_real	10927.1	0.0	5463.55	0.0
load	N_100095390	constant_power_A_reac	3591.58	0.0	1795.79	0.0
load	N_100095390	constant_power_B_reac	3591.58	0.0	1795.79	0.0
load	N_100123457	constant_power_A	29591.0	18338.8	14795.5	9169.4
load	N_100123457	constant_power_B	29591.0	18338.8	14795.5	9169.4
load	N_100123457	constant_power_C	29591.0	18338.8	14795.5	9169.4
load	N_100123457	constant_power_A_real	29591.0	0.0	14795.5	0.0
load	N_100123457	constant_power_B_real	29591.0	0.0	14795.5	0.0
load	N_100123457	constant_power_C_real	29591.0	0.0	14795.5	0.0
load	N_100123457	constant_power_A_reac	18338.8	0.0	9169.4	0.0
load	N_100123457	constant_power_B_reac	18338.8	0.0	9169.4	0.0
load	N_100123457	constant_power_C_reac	18338.8	0.0	9169.4	0.0
load	N_100162140	constant_power_A	19838.0	6520.45	9919.0	3260.225
load	N_100162140	constant_power_B	19838.0	6520.45	9919.0	3260.225
load	N_100162140	constant_power_A_real	19838.0	0.0	9919.0	0.0
load	N_100162140	constant_power_B_real	19838.0	0.0	9919.0	0.0
load	N_100162140	constant_power_A_reac	6520.45	0.0	3260.225	0.0
load	N_100162140	constant_power_B_reac	6520.45	0.0	3260.225	0.0
load	N_100162147	constant_power_A	21680.4	7126.0	10840.2	3563.0
load	N_100162147	constant_power_B	21680.4	7126.0	10840.2	3563.0
load	N_100162147	constant_power_A_real	21680.4	0.0	10840.2	0.0
load	N_100162147	constant_power_B_real	21680.4	0.0	10840.2	0.0
load	N_100162147	constant_power_A_reac	7126.0	0.0	3563.0	0.0
load	N_100162147	constant_power_B_reac	7126.0	0.0	3563.0	0.0
load	N_100162144	constant_power_A	15133.5	4974.14	7566.75	2487.07
load	N_100162144	constant_power_B	15133.5	4974.14	7566.75	2487.07
load	N_100162144	constant_power_A_real	15133.5	0.0	7566.75	0.0
load	N_100162144	constant_power_B_real	15133.5	0.0	7566.75	0.0
load	N_100162144	constant_power_A_reac	4974.14	0.0	2487.07	0.0
load	N_100162144	constant_power_B_reac	4974.14	0.0	2487.07	0.0
load	N_100051593	constant_power_A	10964.7	3650.45	5482.35	1825.225
load	N_100051593	constant_power_B	10964.7	3650.45	5482.35	1825.225
load	N_100051593	constant_power_A_real	10964.7	0.0	5482.35	0.0
load	N_100051593	constant_power_B_real	10964.7	0.0	5482.35	0.0
load	N_100051593	constant_power_A_reac	3650.45	0.0	1825.225	0.0
load	N_100051593	constant_power_B_reac	3650.45	0.0	1825.225	0.0
load	N_100051592	constant_power_A	7233.06	2377.39	3616.53	1188.695
load	N_100051592	constant_power_B	7233.06	2377.39	3616.53	1188.695
load	N_100051592	constant_power_A_real	7233.06	0.0	3616.53	0.0
load	N_100051592	constant_power_B_real	7233.06	0.0	3616.53	0.0
load	N_100051592	constant_power_A_reac	2377.39	0.0	1188.695	0.0
load	N_100051592	constant_power_B_reac	2377.39	0.0	1188.695	0.0
load	N_100111806	constant_power_A	13361.7	4391.77	6680.85	2195.885
load	N_100111806	constant_power_B	13361.7	4391.77	6680.85	2195.885
load	N_100111806	constant_power_A_real	13361.7	0.0	6680.85	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100111806	constant_power_B_real	13361.7	0.0	6680.85	0.0
load	N_100111806	constant_power_A_reac	4391.77	0.0	2195.885	0.0
load	N_100111806	constant_power_B_reac	4391.77	0.0	2195.885	0.0
load	N_100013214	constant_power_A	14137.1	4646.65	7068.55	2323.325
load	N_100013214	constant_power_B	14137.1	4646.65	7068.55	2323.325
load	N_100013214	constant_power_A_real	14137.1	0.0	7068.55	0.0
load	N_100013214	constant_power_B_real	14137.1	0.0	7068.55	0.0
load	N_100013214	constant_power_A_reac	4646.65	0.0	2323.325	0.0
load	N_100013214	constant_power_B_reac	4646.65	0.0	2323.325	0.0
load	N_100013215	constant_power_A	9037.8	2970.58	4518.9	1485.29
load	N_100013215	constant_power_B	9037.8	2970.58	4518.9	1485.29
load	N_100013215	constant_power_A_real	9037.8	0.0	4518.9	0.0
load	N_100013215	constant_power_B_real	9037.8	0.0	4518.9	0.0
load	N_100013215	constant_power_A_reac	2970.58	0.0	1485.29	0.0
load	N_100013215	constant_power_B_reac	2970.58	0.0	1485.29	0.0
load	N_100068273	constant_power_A	8765.21	2880.99	4382.605	1440.495
load	N_100068273	constant_power_B	8765.21	2880.99	4382.605	1440.495
load	N_100068273	constant_power_A_real	8765.21	0.0	4382.605	0.0
load	N_100068273	constant_power_B_real	8765.21	0.0	4382.605	0.0
load	N_100068273	constant_power_A_reac	2880.99	0.0	1440.495	0.0
load	N_100068273	constant_power_B_reac	2880.99	0.0	1440.495	0.0
load	N_100068274	constant_power_A	5292.03	1739.41	2646.015	869.705
load	N_100068274	constant_power_B	5292.03	1739.41	2646.015	869.705
load	N_100068274	constant_power_A_real	5292.03	0.0	2646.015	0.0
load	N_100068274	constant_power_B_real	5292.03	0.0	2646.015	0.0
load	N_100068274	constant_power_A_reac	1739.41	0.0	869.705	0.0
load	N_100068274	constant_power_B_reac	1739.41	0.0	869.705	0.0
load	N_100013826	constant_power_A	30901.5	10156.8	15450.75	5078.4
load	N_100013826	constant_power_B	30901.5	10156.8	15450.75	5078.4
load	N_100013826	constant_power_A_real	30901.5	0.0	15450.75	0.0
load	N_100013826	constant_power_B_real	30901.5	0.0	15450.75	0.0
load	N_100013826	constant_power_A_reac	10156.8	0.0	5078.4	0.0
load	N_100013826	constant_power_B_reac	10156.8	0.0	5078.4	0.0
load	N_100013824	constant_power_A	538.916	333.99	269.458	166.995
load	N_100013824	constant_power_B	538.916	333.99	269.458	166.995
load	N_100013824	constant_power_C	538.916	333.99	269.458	166.995
load	N_100013824	constant_power_A_real	538.916	0.0	269.458	0.0
load	N_100013824	constant_power_B_real	538.916	0.0	269.458	0.0
load	N_100013824	constant_power_C_real	538.916	0.0	269.458	0.0
load	N_100013824	constant_power_A_reac	333.99	0.0	166.995	0.0
load	N_100013824	constant_power_B_reac	333.99	0.0	166.995	0.0
load	N_100013824	constant_power_C_reac	333.99	0.0	166.995	0.0
load	N_100013822	constant_power_A	21342.0	7014.78	10671.0	3507.39
load	N_100013822	constant_power_B	21342.0	7014.78	10671.0	3507.39
load	N_100013822	constant_power_A_real	21342.0	0.0	10671.0	0.0
load	N_100013822	constant_power_B_real	21342.0	0.0	10671.0	0.0
load	N_100013822	constant_power_A_reac	7014.78	0.0	3507.39	0.0
load	N_100013822	constant_power_B_reac	7014.78	0.0	3507.39	0.0
load	N_100018689	constant_power_A	7666.67	4751.37	3833.335	2375.685
load	N_100018689	constant_power_B	7666.67	4751.37	3833.335	2375.685
load	N_100018689	constant_power_C	7666.67	4751.37	3833.335	2375.685
load	N_100018689	constant_power_A_real	7666.67	0.0	3833.335	0.0
load	N_100018689	constant_power_B_real	7666.67	0.0	3833.335	0.0
load	N_100018689	constant_power_C_real	7666.67	0.0	3833.335	0.0
load	N_100018689	constant_power_A_reac	4751.37	0.0	2375.685	0.0
load	N_100018689	constant_power_B_reac	4751.37	0.0	2375.685	0.0
load	N_100018689	constant_power_C_reac	4751.37	0.0	2375.685	0.0
load	N_100336738	constant_power_A	13563.8	4458.19	6781.9	2229.095
load	N_100336738	constant_power_B	13563.8	4458.19	6781.9	2229.095
load	N_100336738	constant_power_A_real	13563.8	0.0	6781.9	0.0
load	N_100336738	constant_power_B_real	13563.8	0.0	6781.9	0.0
load	N_100336738	constant_power_A_reac	4458.19	0.0	2229.095	0.0
load	N_100336738	constant_power_B_reac	4458.19	0.0	2229.095	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110164	constant_power_A	8304.63	2729.6	4152.315	1364.8
load	N_100110164	constant_power_B	8304.63	2729.6	4152.315	1364.8
load	N_100110164	constant_power_A_real	8304.63	0.0	4152.315	0.0
load	N_100110164	constant_power_B_real	8304.63	0.0	4152.315	0.0
load	N_100110164	constant_power_A_reac	2729.6	0.0	1364.8	0.0
load	N_100110164	constant_power_B_reac	2729.6	0.0	1364.8	0.0
load	N_100110166	constant_power_A	14964.3	4918.53	7482.15	2459.265
load	N_100110166	constant_power_B	14964.3	4918.53	7482.15	2459.265
load	N_100110166	constant_power_A_real	14964.3	0.0	7482.15	0.0
load	N_100110166	constant_power_B_real	14964.3	0.0	7482.15	0.0
load	N_100110166	constant_power_A_reac	4918.53	0.0	2459.265	0.0
load	N_100110166	constant_power_B_reac	4918.53	0.0	2459.265	0.0
load	N_100110167	constant_power_A	17032.2	5598.23	8516.1	2799.115
load	N_100110167	constant_power_B	17032.2	5598.23	8516.1	2799.115
load	N_100110167	constant_power_A_real	17032.2	0.0	8516.1	0.0
load	N_100110167	constant_power_B_real	17032.2	0.0	8516.1	0.0
load	N_100110167	constant_power_A_reac	5598.23	0.0	2799.115	0.0
load	N_100110167	constant_power_B_reac	5598.23	0.0	2799.115	0.0
load	N_100013916	constant_power_A	983.834	609.726	491.917	304.863
load	N_100013916	constant_power_B	983.834	609.726	491.917	304.863
load	N_100013916	constant_power_C	983.834	609.726	491.917	304.863
load	N_100013916	constant_power_A_real	983.834	0.0	491.917	0.0
load	N_100013916	constant_power_B_real	983.834	0.0	491.917	0.0
load	N_100013916	constant_power_C_real	983.834	0.0	491.917	0.0
load	N_100013916	constant_power_A_reac	609.726	0.0	304.863	0.0
load	N_100013916	constant_power_B_reac	609.726	0.0	304.863	0.0
load	N_100013916	constant_power_C_reac	609.726	0.0	304.863	0.0
load	N_100013915	constant_power_A	6666.67	4131.63	3333.335	2065.815
load	N_100013915	constant_power_B	6666.67	4131.63	3333.335	2065.815
load	N_100013915	constant_power_C	6666.67	4131.63	3333.335	2065.815
load	N_100013915	constant_power_A_real	6666.67	0.0	3333.335	0.0
load	N_100013915	constant_power_B_real	6666.67	0.0	3333.335	0.0
load	N_100013915	constant_power_C_real	6666.67	0.0	3333.335	0.0
load	N_100013915	constant_power_A_reac	4131.63	0.0	2065.815	0.0
load	N_100013915	constant_power_B_reac	4131.63	0.0	2065.815	0.0
load	N_100013915	constant_power_C_reac	4131.63	0.0	2065.815	0.0
load	N_100080273	constant_power_A	17878.2	5876.28	8939.1	2938.14
load	N_100080273	constant_power_C	17878.2	5876.28	8939.1	2938.14
load	N_100080273	constant_power_A_real	17878.2	0.0	8939.1	0.0
load	N_100080273	constant_power_C_real	17878.2	0.0	8939.1	0.0
load	N_100080273	constant_power_A_reac	5876.28	0.0	2938.14	0.0
load	N_100080273	constant_power_C_reac	5876.28	0.0	2938.14	0.0
load	N_100018750	constant_power_A	22796.0	9478.55	11398.0	4739.275
load	N_100018750	constant_power_B	22796.0	9478.55	11398.0	4739.275
load	N_100018750	constant_power_C	22796.0	9478.55	11398.0	4739.275
load	N_100018750	constant_power_A_real	22796.0	0.0	11398.0	0.0
load	N_100018750	constant_power_B_real	22796.0	0.0	11398.0	0.0
load	N_100018750	constant_power_C_real	22796.0	0.0	11398.0	0.0
load	N_100018750	constant_power_A_reac	9478.55	0.0	4739.275	0.0
load	N_100018750	constant_power_B_reac	9478.55	0.0	4739.275	0.0
load	N_100018750	constant_power_C_reac	9478.55	0.0	4739.275	0.0
load	N_100093911	constant_power_A	4182.86	1374.84	2091.43	687.42
load	N_100093911	constant_power_B	4182.86	1374.84	2091.43	687.42
load	N_100093911	constant_power_C	4182.86	1374.84	2091.43	687.42
load	N_100093911	constant_power_A_real	4182.86	0.0	2091.43	0.0
load	N_100093911	constant_power_B_real	4182.86	0.0	2091.43	0.0
load	N_100093911	constant_power_C_real	4182.86	0.0	2091.43	0.0
load	N_100093911	constant_power_A_reac	1374.84	0.0	687.42	0.0
load	N_100093911	constant_power_B_reac	1374.84	0.0	687.42	0.0
load	N_100093911	constant_power_C_reac	1374.84	0.0	687.42	0.0
load	N_100093910	constant_power_A	6542.19	2232.39	3271.095	1116.195
load	N_100093910	constant_power_B	6542.19	2232.39	3271.095	1116.195
load	N_100093910	constant_power_C	6542.19	2232.39	3271.095	1116.195

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100093910	constant_power_A_real	6542.19	0.0	3271.095	0.0
load	N_100093910	constant_power_B_real	6542.19	0.0	3271.095	0.0
load	N_100093910	constant_power_C_real	6542.19	0.0	3271.095	0.0
load	N_100093910	constant_power_A_reac	2232.39	0.0	1116.195	0.0
load	N_100093910	constant_power_B_reac	2232.39	0.0	1116.195	0.0
load	N_100093910	constant_power_C_reac	2232.39	0.0	1116.195	0.0
load	N_100102610	constant_power_A	8060.24	2649.27	4030.12	1324.635
load	N_100102610	constant_power_B	8060.24	2649.27	4030.12	1324.635
load	N_100102610	constant_power_A_real	8060.24	0.0	4030.12	0.0
load	N_100102610	constant_power_B_real	8060.24	0.0	4030.12	0.0
load	N_100102610	constant_power_A_reac	2649.27	0.0	1324.635	0.0
load	N_100102610	constant_power_B_reac	2649.27	0.0	1324.635	0.0
load	N_100111708	constant_power_A	4815.78	1643.97	2407.89	821.985
load	N_100111708	constant_power_B	4815.78	1643.97	2407.89	821.985
load	N_100111708	constant_power_C	4815.78	1643.97	2407.89	821.985
load	N_100111708	constant_power_A_real	4815.78	0.0	2407.89	0.0
load	N_100111708	constant_power_B_real	4815.78	0.0	2407.89	0.0
load	N_100111708	constant_power_C_real	4815.78	0.0	2407.89	0.0
load	N_100111708	constant_power_A_reac	1643.97	0.0	821.985	0.0
load	N_100111708	constant_power_B_reac	1643.97	0.0	821.985	0.0
load	N_100111708	constant_power_C_reac	1643.97	0.0	821.985	0.0
load	N_100111705	constant_power_A	1829.81	601.428	914.905	300.714
load	N_100111705	constant_power_B	1829.81	601.428	914.905	300.714
load	N_100111705	constant_power_C	1829.81	601.428	914.905	300.714
load	N_100111705	constant_power_A_real	1829.81	0.0	914.905	0.0
load	N_100111705	constant_power_B_real	1829.81	0.0	914.905	0.0
load	N_100111705	constant_power_C_real	1829.81	0.0	914.905	0.0
load	N_100111705	constant_power_A_reac	601.428	0.0	300.714	0.0
load	N_100111705	constant_power_B_reac	601.428	0.0	300.714	0.0
load	N_100111705	constant_power_C_reac	601.428	0.0	300.714	0.0
load	N_100110609	constant_power_A	13333.3	8263.26	6666.65	4131.63
load	N_100110609	constant_power_B	13333.3	8263.26	6666.65	4131.63
load	N_100110609	constant_power_C	13333.3	8263.26	6666.65	4131.63
load	N_100110609	constant_power_A_real	13333.3	0.0	6666.65	0.0
load	N_100110609	constant_power_B_real	13333.3	0.0	6666.65	0.0
load	N_100110609	constant_power_C_real	13333.3	0.0	6666.65	0.0
load	N_100110609	constant_power_A_reac	8263.26	0.0	4131.63	0.0
load	N_100110609	constant_power_B_reac	8263.26	0.0	4131.63	0.0
load	N_100110609	constant_power_C_reac	8263.26	0.0	4131.63	0.0
load	N_100055321	constant_power_A	2804.24	921.71	1402.12	460.855
load	N_100055321	constant_power_B	2804.24	921.71	1402.12	460.855
load	N_100055321	constant_power_C	2804.24	921.71	1402.12	460.855
load	N_100055321	constant_power_A_real	2804.24	0.0	1402.12	0.0
load	N_100055321	constant_power_B_real	2804.24	0.0	1402.12	0.0
load	N_100055321	constant_power_C_real	2804.24	0.0	1402.12	0.0
load	N_100055321	constant_power_A_reac	921.71	0.0	460.855	0.0
load	N_100055321	constant_power_B_reac	921.71	0.0	460.855	0.0
load	N_100055321	constant_power_C_reac	921.71	0.0	460.855	0.0
load	N_100110604	constant_power_A	2544.18	1576.74	1272.09	788.37
load	N_100110604	constant_power_B	2544.18	1576.74	1272.09	788.37
load	N_100110604	constant_power_C	2544.18	1576.74	1272.09	788.37
load	N_100110604	constant_power_A_real	2544.18	0.0	1272.09	0.0
load	N_100110604	constant_power_B_real	2544.18	0.0	1272.09	0.0
load	N_100110604	constant_power_C_real	2544.18	0.0	1272.09	0.0
load	N_100110604	constant_power_A_reac	1576.74	0.0	788.37	0.0
load	N_100110604	constant_power_B_reac	1576.74	0.0	788.37	0.0
load	N_100110604	constant_power_C_reac	1576.74	0.0	788.37	0.0
load	N_100108930	constant_power_A	2641.31	868.158	1320.655	434.079
load	N_100108930	constant_power_B	2641.31	868.158	1320.655	434.079
load	N_100108930	constant_power_C	2641.31	868.158	1320.655	434.079
load	N_100108930	constant_power_A_real	2641.31	0.0	1320.655	0.0
load	N_100108930	constant_power_B_real	2641.31	0.0	1320.655	0.0
load	N_100108930	constant_power_C_real	2641.31	0.0	1320.655	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100108930	constant_power_A_reac	868.158	0.0	434.079	0.0
load	N_100108930	constant_power_B_reac	868.158	0.0	434.079	0.0
load	N_100108930	constant_power_C_reac	868.158	0.0	434.079	0.0
load	N_100030039	constant_power_A	15048.9	4960.02	7524.45	2480.01
load	N_100030039	constant_power_B	15048.9	4960.02	7524.45	2480.01
load	N_100030039	constant_power_A_real	15048.9	0.0	7524.45	0.0
load	N_100030039	constant_power_B_real	15048.9	0.0	7524.45	0.0
load	N_100030039	constant_power_A_reac	4960.02	0.0	2480.01	0.0
load	N_100030039	constant_power_B_reac	4960.02	0.0	2480.01	0.0
load	N_100030037	constant_power_A	532.649	188.753	266.3245	94.3765
load	N_100030037	constant_power_B	532.649	188.753	266.3245	94.3765
load	N_100030037	constant_power_C	532.649	188.753	266.3245	94.3765
load	N_100030037	constant_power_A_real	532.649	0.0	266.3245	0.0
load	N_100030037	constant_power_B_real	532.649	0.0	266.3245	0.0
load	N_100030037	constant_power_C_real	532.649	0.0	266.3245	0.0
load	N_100030037	constant_power_A_reac	188.753	0.0	94.3765	0.0
load	N_100030037	constant_power_B_reac	188.753	0.0	94.3765	0.0
load	N_100030037	constant_power_C_reac	188.753	0.0	94.3765	0.0
load	N_100110011	constant_power_A	5221.53	1716.23	2610.765	858.115
load	N_100110011	constant_power_C	5221.53	1716.23	2610.765	858.115
load	N_100110011	constant_power_A_real	5221.53	0.0	2610.765	0.0
load	N_100110011	constant_power_C_real	5221.53	0.0	2610.765	0.0
load	N_100110011	constant_power_A_reac	1716.23	0.0	858.115	0.0
load	N_100110011	constant_power_C_reac	1716.23	0.0	858.115	0.0
load	N_100145573	constant_power_A	3314.96	2054.43	1657.48	1027.215
load	N_100145573	constant_power_B	3314.96	2054.43	1657.48	1027.215
load	N_100145573	constant_power_C	3314.96	2054.43	1657.48	1027.215
load	N_100145573	constant_power_A_real	3314.96	0.0	1657.48	0.0
load	N_100145573	constant_power_B_real	3314.96	0.0	1657.48	0.0
load	N_100145573	constant_power_C_real	3314.96	0.0	1657.48	0.0
load	N_100145573	constant_power_A_reac	2054.43	0.0	1027.215	0.0
load	N_100145573	constant_power_B_reac	2054.43	0.0	1027.215	0.0
load	N_100145573	constant_power_C_reac	2054.43	0.0	1027.215	0.0
load	N_100030034	constant_power_A	159.795	52.5221	79.8975	26.26105
load	N_100030034	constant_power_B	159.795	52.5221	79.8975	26.26105
load	N_100030034	constant_power_A_real	159.795	0.0	79.8975	0.0
load	N_100030034	constant_power_B_real	159.795	0.0	79.8975	0.0
load	N_100030034	constant_power_A_reac	52.5221	0.0	26.26105	0.0
load	N_100030034	constant_power_B_reac	52.5221	0.0	26.26105	0.0
load	N_100030033	constant_power_A	13357.0	4390.22	6678.5	2195.11
load	N_100030033	constant_power_B	13357.0	4390.22	6678.5	2195.11
load	N_100030033	constant_power_A_real	13357.0	0.0	6678.5	0.0
load	N_100030033	constant_power_B_real	13357.0	0.0	6678.5	0.0
load	N_100030033	constant_power_A_reac	4390.22	0.0	2195.11	0.0
load	N_100030033	constant_power_B_reac	4390.22	0.0	2195.11	0.0
load	N_100030032	constant_power_A	548.315	217.613	274.1575	108.8065
load	N_100030032	constant_power_B	548.315	217.613	274.1575	108.8065
load	N_100030032	constant_power_C	548.315	217.613	274.1575	108.8065
load	N_100030032	constant_power_A_real	548.315	0.0	274.1575	0.0
load	N_100030032	constant_power_B_real	548.315	0.0	274.1575	0.0
load	N_100030032	constant_power_C_real	548.315	0.0	274.1575	0.0
load	N_100030032	constant_power_A_reac	217.613	0.0	108.8065	0.0
load	N_100030032	constant_power_B_reac	217.613	0.0	108.8065	0.0
load	N_100030032	constant_power_C_reac	217.613	0.0	108.8065	0.0
load	N_100030031	constant_power_A	1005.77	330.58	502.885	165.29
load	N_100030031	constant_power_B	1005.77	330.58	502.885	165.29
load	N_100030031	constant_power_C	1005.77	330.58	502.885	165.29
load	N_100030031	constant_power_A_real	1005.77	0.0	502.885	0.0
load	N_100030031	constant_power_B_real	1005.77	0.0	502.885	0.0
load	N_100030031	constant_power_C_real	1005.77	0.0	502.885	0.0
load	N_100030031	constant_power_A_reac	330.58	0.0	165.29	0.0
load	N_100030031	constant_power_B_reac	330.58	0.0	165.29	0.0
load	N_100030031	constant_power_C_reac	330.58	0.0	165.29	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100104480	constant_power_A	13967.9	4591.04	6983.95	2295.52
load	N_100104480	constant_power_B	13967.9	4591.04	6983.95	2295.52
load	N_100104480	constant_power_A_real	13967.9	0.0	6983.95	0.0
load	N_100104480	constant_power_B_real	13967.9	0.0	6983.95	0.0
load	N_100104480	constant_power_A_reac	4591.04	0.0	2295.52	0.0
load	N_100104480	constant_power_B_reac	4591.04	0.0	2295.52	0.0
load	N_100004502	constant_power_A	10372.6	3409.3	5186.3	1704.65
load	N_100004502	constant_power_B	10372.6	3409.3	5186.3	1704.65
load	N_100004502	constant_power_A_real	10372.6	0.0	5186.3	0.0
load	N_100004502	constant_power_B_real	10372.6	0.0	5186.3	0.0
load	N_100004502	constant_power_A_reac	3409.3	0.0	1704.65	0.0
load	N_100004502	constant_power_B_reac	3409.3	0.0	1704.65	0.0
load	N_100110429	constant_power_A	2732.18	899.847	1366.09	449.9235
load	N_100110429	constant_power_B	2732.18	899.847	1366.09	449.9235
load	N_100110429	constant_power_C	2732.18	899.847	1366.09	449.9235
load	N_100110429	constant_power_A_real	2732.18	0.0	1366.09	0.0
load	N_100110429	constant_power_B_real	2732.18	0.0	1366.09	0.0
load	N_100110429	constant_power_C_real	2732.18	0.0	1366.09	0.0
load	N_100110429	constant_power_A_reac	899.847	0.0	449.9235	0.0
load	N_100110429	constant_power_B_reac	899.847	0.0	449.9235	0.0
load	N_100110429	constant_power_C_reac	899.847	0.0	449.9235	0.0
load	N_100110543	constant_power_A	2083.6	900.98	1041.8	450.49
load	N_100110543	constant_power_B	2083.6	900.98	1041.8	450.49
load	N_100110543	constant_power_C	2083.6	900.98	1041.8	450.49
load	N_100110543	constant_power_A_real	2083.6	0.0	1041.8	0.0
load	N_100110543	constant_power_B_real	2083.6	0.0	1041.8	0.0
load	N_100110543	constant_power_C_real	2083.6	0.0	1041.8	0.0
load	N_100110543	constant_power_A_reac	900.98	0.0	450.49	0.0
load	N_100110543	constant_power_B_reac	900.98	0.0	450.49	0.0
load	N_100110543	constant_power_C_reac	900.98	0.0	450.49	0.0
load	N_100110540	constant_power_A	5151.03	3192.32	2575.515	1596.16
load	N_100110540	constant_power_B	5151.03	3192.32	2575.515	1596.16
load	N_100110540	constant_power_C	5151.03	3192.32	2575.515	1596.16
load	N_100110540	constant_power_A_real	5151.03	0.0	2575.515	0.0
load	N_100110540	constant_power_B_real	5151.03	0.0	2575.515	0.0
load	N_100110540	constant_power_C_real	5151.03	0.0	2575.515	0.0
load	N_100110540	constant_power_A_reac	3192.32	0.0	1596.16	0.0
load	N_100110540	constant_power_B_reac	3192.32	0.0	1596.16	0.0
load	N_100110540	constant_power_C_reac	3192.32	0.0	1596.16	0.0
load	N_100110546	constant_power_A	7666.67	4751.37	3833.335	2375.685
load	N_100110546	constant_power_B	7666.67	4751.37	3833.335	2375.685
load	N_100110546	constant_power_C	7666.67	4751.37	3833.335	2375.685
load	N_100110546	constant_power_A_real	7666.67	0.0	3833.335	0.0
load	N_100110546	constant_power_B_real	7666.67	0.0	3833.335	0.0
load	N_100110546	constant_power_C_real	7666.67	0.0	3833.335	0.0
load	N_100110546	constant_power_A_reac	4751.37	0.0	2375.685	0.0
load	N_100110546	constant_power_B_reac	4751.37	0.0	2375.685	0.0
load	N_100110546	constant_power_C_reac	4751.37	0.0	2375.685	0.0
load	N_100093251	constant_power_A	18428.1	6057.02	9214.05	3028.51
load	N_100093251	constant_power_B	18428.1	6057.02	9214.05	3028.51
load	N_100093251	constant_power_A_real	18428.1	0.0	9214.05	0.0
load	N_100093251	constant_power_B_real	18428.1	0.0	9214.05	0.0
load	N_100093251	constant_power_A_reac	6057.02	0.0	3028.51	0.0
load	N_100093251	constant_power_B_reac	6057.02	0.0	3028.51	0.0
load	N_100135996	constant_power_B	27400.1	9005.98	13700.05	4502.99
load	N_100135996	constant_power_C	27400.1	9005.98	13700.05	4502.99
load	N_100135996	constant_power_B_real	27400.1	0.0	13700.05	0.0
load	N_100135996	constant_power_C_real	27400.1	0.0	13700.05	0.0
load	N_100135996	constant_power_B_reac	9005.98	0.0	4502.99	0.0
load	N_100135996	constant_power_C_reac	9005.98	0.0	4502.99	0.0
load	N_100046826	constant_power_A	836.573	274.968	418.2865	137.484
load	N_100046826	constant_power_B	836.573	274.968	418.2865	137.484
load	N_100046826	constant_power_A_real	836.573	0.0	418.2865	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100046826	constant_power_B_real	836.573	0.0	418.2865	0.0
load	N_100046826	constant_power_A_reac	274.968	0.0	137.484	0.0
load	N_100046826	constant_power_B_reac	274.968	0.0	137.484	0.0
load	N_100127408	constant_power_A	27000.0	16733.1	13500.0	8366.55
load	N_100127408	constant_power_B	27000.0	16733.1	13500.0	8366.55
load	N_100127408	constant_power_C	27000.0	16733.1	13500.0	8366.55
load	N_100127408	constant_power_A_real	27000.0	0.0	13500.0	0.0
load	N_100127408	constant_power_B_real	27000.0	0.0	13500.0	0.0
load	N_100127408	constant_power_C_real	27000.0	0.0	13500.0	0.0
load	N_100127408	constant_power_A_reac	16733.1	0.0	8366.55	0.0
load	N_100127408	constant_power_B_reac	16733.1	0.0	8366.55	0.0
load	N_100127408	constant_power_C_reac	16733.1	0.0	8366.55	0.0
load	N_100031711	constant_power_A	10118.8	3325.88	5059.4	1662.94
load	N_100031711	constant_power_C	10118.8	3325.88	5059.4	1662.94
load	N_100031711	constant_power_A_real	10118.8	0.0	5059.4	0.0
load	N_100031711	constant_power_C_real	10118.8	0.0	5059.4	0.0
load	N_100031711	constant_power_A_reac	3325.88	0.0	1662.94	0.0
load	N_100031711	constant_power_C_reac	3325.88	0.0	1662.94	0.0
load	N_100031713	constant_power_A	20759.2	6823.23	10379.6	3411.615
load	N_100031713	constant_power_C	20759.2	6823.23	10379.6	3411.615
load	N_100031713	constant_power_A_real	20759.2	0.0	10379.6	0.0
load	N_100031713	constant_power_C_real	20759.2	0.0	10379.6	0.0
load	N_100031713	constant_power_A_reac	6823.23	0.0	3411.615	0.0
load	N_100031713	constant_power_C_reac	6823.23	0.0	3411.615	0.0
load	N_100106295	constant_power_A	16487.1	5419.03	8243.55	2709.515
load	N_100106295	constant_power_B	16487.1	5419.03	8243.55	2709.515
load	N_100106295	constant_power_A_real	16487.1	0.0	8243.55	0.0
load	N_100106295	constant_power_B_real	16487.1	0.0	8243.55	0.0
load	N_100106295	constant_power_A_reac	5419.03	0.0	2709.515	0.0
load	N_100106295	constant_power_B_reac	5419.03	0.0	2709.515	0.0
load	N_100164404	constant_power_A	27931.2	9274.92	13965.6	4637.46
load	N_100164404	constant_power_B	27931.2	9274.92	13965.6	4637.46
load	N_100164404	constant_power_A_real	27931.2	0.0	13965.6	0.0
load	N_100164404	constant_power_B_real	27931.2	0.0	13965.6	0.0
load	N_100164404	constant_power_A_reac	9274.92	0.0	4637.46	0.0
load	N_100164404	constant_power_B_reac	9274.92	0.0	4637.46	0.0
load	N_100020533	constant_power_A	9211.7	3027.74	4605.85	1513.87
load	N_100020533	constant_power_B	9211.7	3027.74	4605.85	1513.87
load	N_100020533	constant_power_A_real	9211.7	0.0	4605.85	0.0
load	N_100020533	constant_power_B_real	9211.7	0.0	4605.85	0.0
load	N_100020533	constant_power_A_reac	3027.74	0.0	1513.87	0.0
load	N_100020533	constant_power_B_reac	3027.74	0.0	1513.87	0.0
load	N_100084027	constant_power_A	18564.4	6101.82	9282.2	3050.91
load	N_100084027	constant_power_C	18564.4	6101.82	9282.2	3050.91
load	N_100084027	constant_power_A_real	18564.4	0.0	9282.2	0.0
load	N_100084027	constant_power_C_real	18564.4	0.0	9282.2	0.0
load	N_100084027	constant_power_A_reac	6101.82	0.0	3050.91	0.0
load	N_100084027	constant_power_C_reac	6101.82	0.0	3050.91	0.0
load	N_100084026	constant_power_A	18371.7	6038.49	9185.85	3019.245
load	N_100084026	constant_power_C	18371.7	6038.49	9185.85	3019.245
load	N_100084026	constant_power_A_real	18371.7	0.0	9185.85	0.0
load	N_100084026	constant_power_C_real	18371.7	0.0	9185.85	0.0
load	N_100084026	constant_power_A_reac	6038.49	0.0	3019.245	0.0
load	N_100084026	constant_power_C_reac	6038.49	0.0	3019.245	0.0
load	N_100092652	constant_power_A	26906.6	8843.78	13453.3	4421.89
load	N_100092652	constant_power_B	26906.6	8843.78	13453.3	4421.89
load	N_100092652	constant_power_A_real	26906.6	0.0	13453.3	0.0
load	N_100092652	constant_power_B_real	26906.6	0.0	13453.3	0.0
load	N_100092652	constant_power_A_reac	8843.78	0.0	4421.89	0.0
load	N_100092652	constant_power_B_reac	8843.78	0.0	4421.89	0.0
load	N_100092651	constant_power_A	19687.7	6471.02	9843.85	3235.51
load	N_100092651	constant_power_B	19687.7	6471.02	9843.85	3235.51
load	N_100092651	constant_power_A_real	19687.7	0.0	9843.85	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100092651	constant_power_B_real	19687.7	0.0	9843.85	0.0
load	N_100092651	constant_power_A_reac	6471.02	0.0	3235.51	0.0
load	N_100092651	constant_power_B_reac	6471.02	0.0	3235.51	0.0
load	N_100004433	constant_power_A	7693.65	2528.78	3846.825	1264.39
load	N_100004433	constant_power_C	7693.65	2528.78	3846.825	1264.39
load	N_100004433	constant_power_A_real	7693.65	0.0	3846.825	0.0
load	N_100004433	constant_power_C_real	7693.65	0.0	3846.825	0.0
load	N_100004433	constant_power_A_reac	2528.78	0.0	1264.39	0.0
load	N_100004433	constant_power_C_reac	2528.78	0.0	1264.39	0.0
load	N_100055858	constant_power_A	14061.9	4921.51	7030.95	2460.755
load	N_100055858	constant_power_C	14061.9	4921.51	7030.95	2460.755
load	N_100055858	constant_power_A_real	14061.9	0.0	7030.95	0.0
load	N_100055858	constant_power_C_real	14061.9	0.0	7030.95	0.0
load	N_100055858	constant_power_A_reac	4921.51	0.0	2460.755	0.0
load	N_100055858	constant_power_C_reac	4921.51	0.0	2460.755	0.0
load	N_100110446	constant_power_A	7197.03	2365.55	3598.515	1182.775
load	N_100110446	constant_power_B	7197.03	2365.55	3598.515	1182.775
load	N_100110446	constant_power_C	7197.03	2365.55	3598.515	1182.775
load	N_100110446	constant_power_A_real	7197.03	0.0	3598.515	0.0
load	N_100110446	constant_power_B_real	7197.03	0.0	3598.515	0.0
load	N_100110446	constant_power_C_real	7197.03	0.0	3598.515	0.0
load	N_100110446	constant_power_A_reac	2365.55	0.0	1182.775	0.0
load	N_100110446	constant_power_B_reac	2365.55	0.0	1182.775	0.0
load	N_100110446	constant_power_C_reac	2365.55	0.0	1182.775	0.0
load	N_100110335	constant_power_A	21356.1	7019.41	10678.05	3509.705
load	N_100110335	constant_power_B	21356.1	7019.41	10678.05	3509.705
load	N_100110335	constant_power_C	21356.1	7019.41	10678.05	3509.705
load	N_100110335	constant_power_A_real	21356.1	0.0	10678.05	0.0
load	N_100110335	constant_power_B_real	21356.1	0.0	10678.05	0.0
load	N_100110335	constant_power_C_real	21356.1	0.0	10678.05	0.0
load	N_100110335	constant_power_A_reac	7019.41	0.0	3509.705	0.0
load	N_100110335	constant_power_B_reac	7019.41	0.0	3509.705	0.0
load	N_100110335	constant_power_C_reac	7019.41	0.0	3509.705	0.0
load	N_100104476	constant_power_A	1544.68	507.713	772.34	253.8565
load	N_100104476	constant_power_B	1544.68	507.713	772.34	253.8565
load	N_100104476	constant_power_C	1544.68	507.713	772.34	253.8565
load	N_100104476	constant_power_A_real	1544.68	0.0	772.34	0.0
load	N_100104476	constant_power_B_real	1544.68	0.0	772.34	0.0
load	N_100104476	constant_power_C_real	1544.68	0.0	772.34	0.0
load	N_100104476	constant_power_A_reac	507.713	0.0	253.8565	0.0
load	N_100104476	constant_power_B_reac	507.713	0.0	253.8565	0.0
load	N_100104476	constant_power_C_reac	507.713	0.0	253.8565	0.0
load	N_100104474	constant_power_A	375.988	123.581	187.994	61.7905
load	N_100104474	constant_power_B	375.988	123.581	187.994	61.7905
load	N_100104474	constant_power_A_real	375.988	0.0	187.994	0.0
load	N_100104474	constant_power_B_real	375.988	0.0	187.994	0.0
load	N_100104474	constant_power_A_reac	123.581	0.0	61.7905	0.0
load	N_100104474	constant_power_B_reac	123.581	0.0	61.7905	0.0
load	N_100104473	constant_power_A	2669.51	877.426	1334.755	438.713
load	N_100104473	constant_power_B	2669.51	877.426	1334.755	438.713
load	N_100104473	constant_power_A_real	2669.51	0.0	1334.755	0.0
load	N_100104473	constant_power_B_real	2669.51	0.0	1334.755	0.0
load	N_100104473	constant_power_A_reac	877.426	0.0	438.713	0.0
load	N_100104473	constant_power_B_reac	877.426	0.0	438.713	0.0
load	N_100003129	constant_power_A	2307.62	1078.58	1153.81	539.29
load	N_100003129	constant_power_B	2307.62	1078.58	1153.81	539.29
load	N_100003129	constant_power_A_real	2307.62	0.0	1153.81	0.0
load	N_100003129	constant_power_B_real	2307.62	0.0	1153.81	0.0
load	N_100003129	constant_power_A_reac	1078.58	0.0	539.29	0.0
load	N_100003129	constant_power_B_reac	1078.58	0.0	539.29	0.0
load	N_100104471	constant_power_A	808.374	265.7	404.187	132.85
load	N_100104471	constant_power_B	808.374	265.7	404.187	132.85
load	N_100104471	constant_power_A_real	808.374	0.0	404.187	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100104471	constant_power_B_real	808.374	0.0	404.187	0.0
load	N_100104471	constant_power_A_reac	265.7	0.0	132.85	0.0
load	N_100104471	constant_power_B_reac	265.7	0.0	132.85	0.0
load	N_100067548	constant_power_A	921.17	302.774	460.585	151.387
load	N_100067548	constant_power_B	921.17	302.774	460.585	151.387
load	N_100067548	constant_power_C	921.17	302.774	460.585	151.387
load	N_100067548	constant_power_A_real	921.17	0.0	460.585	0.0
load	N_100067548	constant_power_B_real	921.17	0.0	460.585	0.0
load	N_100067548	constant_power_C_real	921.17	0.0	460.585	0.0
load	N_100067548	constant_power_A_reac	302.774	0.0	151.387	0.0
load	N_100067548	constant_power_B_reac	302.774	0.0	151.387	0.0
load	N_100067548	constant_power_C_reac	302.774	0.0	151.387	0.0
load	N_100354643	constant_power_A	963.468	316.677	481.734	158.3385
load	N_100354643	constant_power_B	963.468	316.677	481.734	158.3385
load	N_100354643	constant_power_A_real	963.468	0.0	481.734	0.0
load	N_100354643	constant_power_B_real	963.468	0.0	481.734	0.0
load	N_100354643	constant_power_A_reac	316.677	0.0	158.3385	0.0
load	N_100354643	constant_power_B_reac	316.677	0.0	158.3385	0.0
load	N_100104773	constant_power_A	457.452	150.357	228.726	75.1785
load	N_100104773	constant_power_B	457.452	150.357	228.726	75.1785
load	N_100104773	constant_power_C	457.452	150.357	228.726	75.1785
load	N_100104773	constant_power_A_real	457.452	0.0	228.726	0.0
load	N_100104773	constant_power_B_real	457.452	0.0	228.726	0.0
load	N_100104773	constant_power_C_real	457.452	0.0	228.726	0.0
load	N_100104773	constant_power_A_reac	150.357	0.0	75.1785	0.0
load	N_100104773	constant_power_B_reac	150.357	0.0	75.1785	0.0
load	N_100104773	constant_power_C_reac	150.357	0.0	75.1785	0.0
load	N_100081967	constant_power_A	14734.0	5045.29	7367.0	2522.645
load	N_100081967	constant_power_B	14734.0	5045.29	7367.0	2522.645
load	N_100081967	constant_power_A_real	14734.0	0.0	7367.0	0.0
load	N_100081967	constant_power_B_real	14734.0	0.0	7367.0	0.0
load	N_100081967	constant_power_A_reac	5045.29	0.0	2522.645	0.0
load	N_100081967	constant_power_B_reac	5045.29	0.0	2522.645	0.0
load	N_100354644	constant_power_A	2942.1	967.023	1471.05	483.5115
load	N_100354644	constant_power_B	2942.1	967.023	1471.05	483.5115
load	N_100354644	constant_power_A_real	2942.1	0.0	1471.05	0.0
load	N_100354644	constant_power_B_real	2942.1	0.0	1471.05	0.0
load	N_100354644	constant_power_A_reac	967.023	0.0	483.5115	0.0
load	N_100354644	constant_power_B_reac	967.023	0.0	483.5115	0.0
load	N_100073060	constant_power_A	11359.5	3733.7	5679.75	1866.85
load	N_100073060	constant_power_C	11359.5	3733.7	5679.75	1866.85
load	N_100073060	constant_power_A_real	11359.5	0.0	5679.75	0.0
load	N_100073060	constant_power_C_real	11359.5	0.0	5679.75	0.0
load	N_100073060	constant_power_A_reac	3733.7	0.0	1866.85	0.0
load	N_100073060	constant_power_C_reac	3733.7	0.0	1866.85	0.0
load	N_100073062	constant_power_A	12938.7	4252.74	6469.35	2126.37
load	N_100073062	constant_power_C	12938.7	4252.74	6469.35	2126.37
load	N_100073062	constant_power_A_real	12938.7	0.0	6469.35	0.0
load	N_100073062	constant_power_C_real	12938.7	0.0	6469.35	0.0
load	N_100073062	constant_power_A_reac	4252.74	0.0	2126.37	0.0
load	N_100073062	constant_power_C_reac	4252.74	0.0	2126.37	0.0
load	N_100052107	constant_power_A	25666.7	15906.8	12833.35	7953.4
load	N_100052107	constant_power_B	25666.7	15906.8	12833.35	7953.4
load	N_100052107	constant_power_C	25666.7	15906.8	12833.35	7953.4
load	N_100052107	constant_power_A_real	25666.7	0.0	12833.35	0.0
load	N_100052107	constant_power_B_real	25666.7	0.0	12833.35	0.0
load	N_100052107	constant_power_C_real	25666.7	0.0	12833.35	0.0
load	N_100052107	constant_power_A_reac	15906.8	0.0	7953.4	0.0
load	N_100052107	constant_power_B_reac	15906.8	0.0	7953.4	0.0
load	N_100052107	constant_power_C_reac	15906.8	0.0	7953.4	0.0
load	N_100161687	constant_power_B	24476.8	8045.13	12238.4	4022.565
load	N_100161687	constant_power_C	24476.8	8045.13	12238.4	4022.565
load	N_100161687	constant_power_B_real	24476.8	0.0	12238.4	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100161687	constant_power_C_real	24476.8	0.0	12238.4	0.0
load	N_100161687	constant_power_B_reac	8045.13	0.0	4022.565	0.0
load	N_100161687	constant_power_C_reac	8045.13	0.0	4022.565	0.0
load	N_100110168	constant_power_A	648.579	401.953	324.2895	200.9765
load	N_100110168	constant_power_B	648.579	401.953	324.2895	200.9765
load	N_100110168	constant_power_C	648.579	401.953	324.2895	200.9765
load	N_100110168	constant_power_A_real	648.579	0.0	324.2895	0.0
load	N_100110168	constant_power_B_real	648.579	0.0	324.2895	0.0
load	N_100110168	constant_power_C_real	648.579	0.0	324.2895	0.0
load	N_100110168	constant_power_A_reac	401.953	0.0	200.9765	0.0
load	N_100110168	constant_power_B_reac	401.953	0.0	200.9765	0.0
load	N_100110168	constant_power_C_reac	401.953	0.0	200.9765	0.0
load	N_100013897	constant_power_A	14184.7	6214.61	7092.35	3107.305
load	N_100013897	constant_power_B	14184.7	6214.61	7092.35	3107.305
load	N_100013897	constant_power_C	14184.7	6214.61	7092.35	3107.305
load	N_100013897	constant_power_A_real	14184.7	0.0	7092.35	0.0
load	N_100013897	constant_power_B_real	14184.7	0.0	7092.35	0.0
load	N_100013897	constant_power_C_real	14184.7	0.0	7092.35	0.0
load	N_100013897	constant_power_A_reac	6214.61	0.0	3107.305	0.0
load	N_100013897	constant_power_B_reac	6214.61	0.0	3107.305	0.0
load	N_100013897	constant_power_C_reac	6214.61	0.0	3107.305	0.0
load	N_100013892	constant_power_A	5057.03	1662.17	2528.515	831.085
load	N_100013892	constant_power_B	5057.03	1662.17	2528.515	831.085
load	N_100013892	constant_power_C	5057.03	1662.17	2528.515	831.085
load	N_100013892	constant_power_A_real	5057.03	0.0	2528.515	0.0
load	N_100013892	constant_power_B_real	5057.03	0.0	2528.515	0.0
load	N_100013892	constant_power_C_real	5057.03	0.0	2528.515	0.0
load	N_100013892	constant_power_A_reac	1662.17	0.0	831.085	0.0
load	N_100013892	constant_power_B_reac	1662.17	0.0	831.085	0.0
load	N_100013892	constant_power_C_reac	1662.17	0.0	831.085	0.0
load	N_100057862	constant_power_A	3637.68	1195.65	1818.84	597.825
load	N_100057862	constant_power_B	3637.68	1195.65	1818.84	597.825
load	N_100057862	constant_power_A_real	3637.68	0.0	1818.84	0.0
load	N_100057862	constant_power_B_real	3637.68	0.0	1818.84	0.0
load	N_100057862	constant_power_A_reac	1195.65	0.0	597.825	0.0
load	N_100057862	constant_power_B_reac	1195.65	0.0	597.825	0.0
load	N_100004487	constant_power_A	12210.2	4013.3	6105.1	2006.65
load	N_100004487	constant_power_B	12210.2	4013.3	6105.1	2006.65
load	N_100004487	constant_power_A_real	12210.2	0.0	6105.1	0.0
load	N_100004487	constant_power_B_real	12210.2	0.0	6105.1	0.0
load	N_100004487	constant_power_A_reac	4013.3	0.0	2006.65	0.0
load	N_100004487	constant_power_B_reac	4013.3	0.0	2006.65	0.0
load	N_100150287	constant_power_B	14405.0	4734.7	7202.5	2367.35
load	N_100150287	constant_power_C	14405.0	4734.7	7202.5	2367.35
load	N_100150287	constant_power_B_real	14405.0	0.0	7202.5	0.0
load	N_100150287	constant_power_C_real	14405.0	0.0	7202.5	0.0
load	N_100150287	constant_power_B_reac	4734.7	0.0	2367.35	0.0
load	N_100150287	constant_power_C_reac	4734.7	0.0	2367.35	0.0
load	N_100125341	constant_power_B	16242.7	5338.71	8121.35	2669.355
load	N_100125341	constant_power_C	16242.7	5338.71	8121.35	2669.355
load	N_100125341	constant_power_B_real	16242.7	0.0	8121.35	0.0
load	N_100125341	constant_power_C_real	16242.7	0.0	8121.35	0.0
load	N_100125341	constant_power_B_reac	5338.71	0.0	2669.355	0.0
load	N_100125341	constant_power_C_reac	5338.71	0.0	2669.355	0.0
load	N_100093908	constant_power_A	17217.1	5658.99	8608.55	2829.495
load	N_100093908	constant_power_B	17217.1	5658.99	8608.55	2829.495
load	N_100093908	constant_power_C	17217.1	5658.99	8608.55	2829.495
load	N_100093908	constant_power_B_real	17217.1	0.0	8608.55	0.0
load	N_100093908	constant_power_B_reac	17217.1	0.0	8608.55	0.0
load	N_100093908	constant_power_C_real	17217.1	0.0	8608.55	0.0
load	N_100093908	constant_power_A_reac	5658.99	0.0	2829.495	0.0
load	N_100093908	constant_power_B_reac	5658.99	0.0	2829.495	0.0
load	N_100093908	constant_power_C_reac	5658.99	0.0	2829.495	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100093909	constant_power_A	17521.0	5758.88	8760.5	2879.44
load	N_100093909	constant_power_B	17521.0	5758.88	8760.5	2879.44
load	N_100093909	constant_power_C	17521.0	5758.88	8760.5	2879.44
load	N_100093909	constant_power_A_real	17521.0	0.0	8760.5	0.0
load	N_100093909	constant_power_B_real	17521.0	0.0	8760.5	0.0
load	N_100093909	constant_power_C_real	17521.0	0.0	8760.5	0.0
load	N_100093909	constant_power_A_reac	5758.88	0.0	2879.44	0.0
load	N_100093909	constant_power_B_reac	5758.88	0.0	2879.44	0.0
load	N_100093909	constant_power_C_reac	5758.88	0.0	2879.44	0.0
load	N_100013872	constant_power_A	79286.4	26060.2	39643.2	13030.1
load	N_100013872	constant_power_B	79286.4	26060.2	39643.2	13030.1
load	N_100013872	constant_power_C	79286.4	26060.2	39643.2	13030.1
load	N_100013872	constant_power_A_real	79286.4	0.0	39643.2	0.0
load	N_100013872	constant_power_B_real	79286.4	0.0	39643.2	0.0
load	N_100013872	constant_power_C_real	79286.4	0.0	39643.2	0.0
load	N_100013872	constant_power_A_reac	26060.2	0.0	13030.1	0.0
load	N_100013872	constant_power_B_reac	26060.2	0.0	13030.1	0.0
load	N_100013872	constant_power_C_reac	26060.2	0.0	13030.1	0.0
load	N_100013873	constant_power_A	8093.14	2660.08	4046.57	1330.04
load	N_100013873	constant_power_B	8093.14	2660.08	4046.57	1330.04
load	N_100013873	constant_power_A_real	8093.14	0.0	4046.57	0.0
load	N_100013873	constant_power_B_real	8093.14	0.0	4046.57	0.0
load	N_100013873	constant_power_A_reac	2660.08	0.0	1330.04	0.0
load	N_100013873	constant_power_B_reac	2660.08	0.0	1330.04	0.0
load	N_100013874	constant_power_A	4413.15	1450.53	2206.575	725.265
load	N_100013874	constant_power_B	4413.15	1450.53	2206.575	725.265
load	N_100013874	constant_power_A_real	4413.15	0.0	2206.575	0.0
load	N_100013874	constant_power_B_real	4413.15	0.0	2206.575	0.0
load	N_100013874	constant_power_A_reac	1450.53	0.0	725.265	0.0
load	N_100013874	constant_power_B_reac	1450.53	0.0	725.265	0.0
load	N_100095367	constant_power_A	7933.34	2607.56	3966.67	1303.78
load	N_100095367	constant_power_B	7933.34	2607.56	3966.67	1303.78
load	N_100095367	constant_power_A_real	7933.34	0.0	3966.67	0.0
load	N_100095367	constant_power_B_real	7933.34	0.0	3966.67	0.0
load	N_100095367	constant_power_A_reac	2607.56	0.0	1303.78	0.0
load	N_100095367	constant_power_B_reac	2607.56	0.0	1303.78	0.0
load	N_100095364	constant_power_A	4088.87	1343.95	2044.435	671.975
load	N_100095364	constant_power_B	4088.87	1343.95	2044.435	671.975
load	N_100095364	constant_power_C	4088.87	1343.95	2044.435	671.975
load	N_100095364	constant_power_A_real	4088.87	0.0	2044.435	0.0
load	N_100095364	constant_power_B_real	4088.87	0.0	2044.435	0.0
load	N_100095364	constant_power_C_real	4088.87	0.0	2044.435	0.0
load	N_100095364	constant_power_A_reac	1343.95	0.0	671.975	0.0
load	N_100095364	constant_power_B_reac	1343.95	0.0	671.975	0.0
load	N_100095364	constant_power_C_reac	1343.95	0.0	671.975	0.0
load	N_100095365	constant_power_A	4449.19	1462.38	2224.595	731.19
load	N_100095365	constant_power_B	4449.19	1462.38	2224.595	731.19
load	N_100095365	constant_power_C	4449.19	1462.38	2224.595	731.19
load	N_100095365	constant_power_A_real	4449.19	0.0	2224.595	0.0
load	N_100095365	constant_power_B_real	4449.19	0.0	2224.595	0.0
load	N_100095365	constant_power_C_real	4449.19	0.0	2224.595	0.0
load	N_100095365	constant_power_A_reac	1462.38	0.0	731.19	0.0
load	N_100095365	constant_power_B_reac	1462.38	0.0	731.19	0.0
load	N_100095365	constant_power_C_reac	1462.38	0.0	731.19	0.0
load	N_100095362	constant_power_A	5501.95	2815.21	2750.975	1407.605
load	N_100095362	constant_power_B	5501.95	2815.21	2750.975	1407.605
load	N_100095362	constant_power_C	5501.95	2815.21	2750.975	1407.605
load	N_100095362	constant_power_A_real	5501.95	0.0	2750.975	0.0
load	N_100095362	constant_power_B_real	5501.95	0.0	2750.975	0.0
load	N_100095362	constant_power_C_real	5501.95	0.0	2750.975	0.0
load	N_100095362	constant_power_A_reac	2815.21	0.0	1407.605	0.0
load	N_100095362	constant_power_B_reac	2815.21	0.0	1407.605	0.0
load	N_100095362	constant_power_C_reac	2815.21	0.0	1407.605	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100095363	constant_power_A	4179.73	1373.81	2089.865	686.905
load	N_100095363	constant_power_B	4179.73	1373.81	2089.865	686.905
load	N_100095363	constant_power_C	4179.73	1373.81	2089.865	686.905
load	N_100095363	constant_power_A_real	4179.73	0.0	2089.865	0.0
load	N_100095363	constant_power_B_real	4179.73	0.0	2089.865	0.0
load	N_100095363	constant_power_C_real	4179.73	0.0	2089.865	0.0
load	N_100095363	constant_power_A_reac	1373.81	0.0	686.905	0.0
load	N_100095363	constant_power_B_reac	1373.81	0.0	686.905	0.0
load	N_100095363	constant_power_C_reac	1373.81	0.0	686.905	0.0
load	N_100095361	constant_power_A	3045.5	1001.01	1522.75	500.505
load	N_100095361	constant_power_B	3045.5	1001.01	1522.75	500.505
load	N_100095361	constant_power_C	3045.5	1001.01	1522.75	500.505
load	N_100095361	constant_power_A_real	3045.5	0.0	1522.75	0.0
load	N_100095361	constant_power_B_real	3045.5	0.0	1522.75	0.0
load	N_100095361	constant_power_C_real	3045.5	0.0	1522.75	0.0
load	N_100095361	constant_power_A_reac	1001.01	0.0	500.505	0.0
load	N_100095361	constant_power_B_reac	1001.01	0.0	500.505	0.0
load	N_100095361	constant_power_C_reac	1001.01	0.0	500.505	0.0
load	N_100079881	constant_power_B	5959.4	1958.76	2979.7	979.38
load	N_100079881	constant_power_C	5959.4	1958.76	2979.7	979.38
load	N_100079881	constant_power_B_real	5959.4	0.0	2979.7	0.0
load	N_100079881	constant_power_C_real	5959.4	0.0	2979.7	0.0
load	N_100079881	constant_power_B_reac	1958.76	0.0	979.38	0.0
load	N_100079881	constant_power_C_reac	1958.76	0.0	979.38	0.0
load	N_100095368	constant_power_A	11199.7	3681.17	5599.85	1840.585
load	N_100095368	constant_power_B	11199.7	3681.17	5599.85	1840.585
load	N_100095368	constant_power_A_real	11199.7	0.0	5599.85	0.0
load	N_100095368	constant_power_B_real	11199.7	0.0	5599.85	0.0
load	N_100095368	constant_power_A_reac	3681.17	0.0	1840.585	0.0
load	N_100095368	constant_power_B_reac	3681.17	0.0	1840.585	0.0
load	N_100079882	constant_power_B	12539.2	4121.43	6269.6	2060.715
load	N_100079882	constant_power_C	12539.2	4121.43	6269.6	2060.715
load	N_100079882	constant_power_B_real	12539.2	0.0	6269.6	0.0
load	N_100079882	constant_power_C_real	12539.2	0.0	6269.6	0.0
load	N_100079882	constant_power_B_reac	4121.43	0.0	2060.715	0.0
load	N_100079882	constant_power_C_reac	4121.43	0.0	2060.715	0.0
load	N_100108975	constant_power_A	15509.5	5097.72	7754.75	2548.86
load	N_100108975	constant_power_B	15509.5	5097.72	7754.75	2548.86
load	N_100108975	constant_power_A_real	15509.5	0.0	7754.75	0.0
load	N_100108975	constant_power_B_real	15509.5	0.0	7754.75	0.0
load	N_100108975	constant_power_A_reac	5097.72	0.0	2548.86	0.0
load	N_100108975	constant_power_B_reac	5097.72	0.0	2548.86	0.0
load	N_100084030	constant_power_A	15180.5	4989.59	7590.25	2494.795
load	N_100084030	constant_power_C	15180.5	4989.59	7590.25	2494.795
load	N_100084030	constant_power_A_real	15180.5	0.0	7590.25	0.0
load	N_100084030	constant_power_C_real	15180.5	0.0	7590.25	0.0
load	N_100084030	constant_power_A_reac	4989.59	0.0	2494.795	0.0
load	N_100084030	constant_power_C_reac	4989.59	0.0	2494.795	0.0
load	N_100084031	constant_power_A	18461.0	6067.84	9230.5	3033.92
load	N_100084031	constant_power_C	18461.0	6067.84	9230.5	3033.92
load	N_100084031	constant_power_A_real	18461.0	0.0	9230.5	0.0
load	N_100084031	constant_power_C_real	18461.0	0.0	9230.5	0.0
load	N_100084031	constant_power_A_reac	6067.84	0.0	3033.92	0.0
load	N_100084031	constant_power_C_reac	6067.84	0.0	3033.92	0.0
load	N_100150289	constant_power_B	15608.2	5130.16	7804.1	2565.08
load	N_100150289	constant_power_C	15608.2	5130.16	7804.1	2565.08
load	N_100150289	constant_power_B_real	15608.2	0.0	7804.1	0.0
load	N_100150289	constant_power_C_real	15608.2	0.0	7804.1	0.0
load	N_100150289	constant_power_B_reac	5130.16	0.0	2565.08	0.0
load	N_100150289	constant_power_C_reac	5130.16	0.0	2565.08	0.0
load	N_100164402	constant_power_A	4544.75	1493.79	2272.375	746.895
load	N_100164402	constant_power_B	4544.75	1493.79	2272.375	746.895
load	N_100164402	constant_power_A_real	4544.75	0.0	2272.375	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100164402	constant_power_B_real	4544.75	0.0	2272.375	0.0
load	N_100164402	constant_power_A_reac	1493.79	0.0	746.895	0.0
load	N_100164402	constant_power_B_reac	1493.79	0.0	746.895	0.0
load	N_100004463	constant_power_A	2490.92	1473.51	1245.46	736.755
load	N_100004463	constant_power_B	2490.92	1473.51	1245.46	736.755
load	N_100004463	constant_power_C	2490.92	1473.51	1245.46	736.755
load	N_100004463	constant_power_A_real	2490.92	0.0	1245.46	0.0
load	N_100004463	constant_power_B_real	2490.92	0.0	1245.46	0.0
load	N_100004463	constant_power_C_real	2490.92	0.0	1245.46	0.0
load	N_100004463	constant_power_A_reac	1473.51	0.0	736.755	0.0
load	N_100004463	constant_power_B_reac	1473.51	0.0	736.755	0.0
load	N_100004463	constant_power_C_reac	1473.51	0.0	736.755	0.0
load	N_100163629	constant_power_A	6720.78	2209.01	3360.39	1104.505
load	N_100163629	constant_power_B	6720.78	2209.01	3360.39	1104.505
load	N_100163629	constant_power_A_real	6720.78	0.0	3360.39	0.0
load	N_100163629	constant_power_B_real	6720.78	0.0	3360.39	0.0
load	N_100163629	constant_power_A_reac	2209.01	0.0	1104.505	0.0
load	N_100163629	constant_power_B_reac	2209.01	0.0	1104.505	0.0
load	N_100121352	constant_power_A	5569.32	1830.55	2784.66	915.275
load	N_100121352	constant_power_B	5569.32	1830.55	2784.66	915.275
load	N_100121352	constant_power_A_real	5569.32	0.0	2784.66	0.0
load	N_100121352	constant_power_B_real	5569.32	0.0	2784.66	0.0
load	N_100121352	constant_power_A_reac	1830.55	0.0	915.275	0.0
load	N_100121352	constant_power_B_reac	1830.55	0.0	915.275	0.0
load	N_100003119	constant_power_A	1093.5	359.415	546.75	179.7075
load	N_100003119	constant_power_B	1093.5	359.415	546.75	179.7075
load	N_100003119	constant_power_C	1093.5	359.415	546.75	179.7075
load	N_100003119	constant_power_A_real	1093.5	0.0	546.75	0.0
load	N_100003119	constant_power_B_real	1093.5	0.0	546.75	0.0
load	N_100003119	constant_power_C_real	1093.5	0.0	546.75	0.0
load	N_100003119	constant_power_A_reac	359.415	0.0	179.7075	0.0
load	N_100003119	constant_power_B_reac	359.415	0.0	179.7075	0.0
load	N_100003119	constant_power_C_reac	359.415	0.0	179.7075	0.0
load	N_100125822	constant_power_A	16717.4	5494.73	8358.7	2747.365
load	N_100125822	constant_power_B	16717.4	5494.73	8358.7	2747.365
load	N_100125822	constant_power_A_real	16717.4	0.0	8358.7	0.0
load	N_100125822	constant_power_B_real	16717.4	0.0	8358.7	0.0
load	N_100125822	constant_power_A_reac	5494.73	0.0	2747.365	0.0
load	N_100125822	constant_power_B_reac	5494.73	0.0	2747.365	0.0
load	N_100110547	constant_power_A	1566.62	970.901	783.31	485.4505
load	N_100110547	constant_power_B	1566.62	970.901	783.31	485.4505
load	N_100110547	constant_power_C	1566.62	970.901	783.31	485.4505
load	N_100110547	constant_power_A_real	1566.62	0.0	783.31	0.0
load	N_100110547	constant_power_B_real	1566.62	0.0	783.31	0.0
load	N_100110547	constant_power_C_real	1566.62	0.0	783.31	0.0
load	N_100110547	constant_power_A_reac	970.901	0.0	485.4505	0.0
load	N_100110547	constant_power_B_reac	970.901	0.0	485.4505	0.0
load	N_100110547	constant_power_C_reac	970.901	0.0	485.4505	0.0
load	N_100048985	constant_power_A	14198.2	4666.73	7099.1	2333.365
load	N_100048985	constant_power_B	14198.2	4666.73	7099.1	2333.365
load	N_100048985	constant_power_A_real	14198.2	0.0	7099.1	0.0
load	N_100048985	constant_power_B_real	14198.2	0.0	7099.1	0.0
load	N_100048985	constant_power_A_reac	4666.73	0.0	2333.365	0.0
load	N_100048985	constant_power_B_reac	4666.73	0.0	2333.365	0.0
load	N_100048986	constant_power_A	4638.75	1524.68	2319.375	762.34
load	N_100048986	constant_power_B	4638.75	1524.68	2319.375	762.34
load	N_100048986	constant_power_A_real	4638.75	0.0	2319.375	0.0
load	N_100048986	constant_power_B_real	4638.75	0.0	2319.375	0.0
load	N_100048986	constant_power_A_reac	1524.68	0.0	762.34	0.0
load	N_100048986	constant_power_B_reac	1524.68	0.0	762.34	0.0
load	N_100110592	constant_power_A	12996.6	4271.79	6498.3	2135.895
load	N_100110592	constant_power_B	12996.6	4271.79	6498.3	2135.895
load	N_100110592	constant_power_C	12996.6	4271.79	6498.3	2135.895

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100110592	constant_power_A_real	12996.6	0.0	6498.3	0.0
load	N_100110592	constant_power_B_real	12996.6	0.0	6498.3	0.0
load	N_100110592	constant_power_C_real	12996.6	0.0	6498.3	0.0
load	N_100110592	constant_power_A_reac	4271.79	0.0	2135.895	0.0
load	N_100110592	constant_power_B_reac	4271.79	0.0	2135.895	0.0
load	N_100110592	constant_power_C_reac	4271.79	0.0	2135.895	0.0
load	N_100110573	constant_power_A	44666.7	27681.9	22333.35	13840.95
load	N_100110573	constant_power_B	44666.7	27681.9	22333.35	13840.95
load	N_100110573	constant_power_C	44666.7	27681.9	22333.35	13840.95
load	N_100110573	constant_power_A_real	44666.7	0.0	22333.35	0.0
load	N_100110573	constant_power_B_real	44666.7	0.0	22333.35	0.0
load	N_100110573	constant_power_C_real	44666.7	0.0	22333.35	0.0
load	N_100110573	constant_power_A_reac	27681.9	0.0	13840.95	0.0
load	N_100110573	constant_power_B_reac	27681.9	0.0	13840.95	0.0
load	N_100110573	constant_power_C_reac	27681.9	0.0	13840.95	0.0
load	N_100110571	constant_power_A	604.714	374.768	302.357	187.384
load	N_100110571	constant_power_B	604.714	374.768	302.357	187.384
load	N_100110571	constant_power_C	604.714	374.768	302.357	187.384
load	N_100110571	constant_power_A_real	604.714	0.0	302.357	0.0
load	N_100110571	constant_power_B_real	604.714	0.0	302.357	0.0
load	N_100110571	constant_power_C_real	604.714	0.0	302.357	0.0
load	N_100110571	constant_power_A_reac	374.768	0.0	187.384	0.0
load	N_100110571	constant_power_B_reac	374.768	0.0	187.384	0.0
load	N_100110571	constant_power_C_reac	374.768	0.0	187.384	0.0
load	N_100110577	constant_power_A	7867.54	2585.94	3933.77	1292.97
load	N_100110577	constant_power_B	7867.54	2585.94	3933.77	1292.97
load	N_100110577	constant_power_A_real	7867.54	0.0	3933.77	0.0
load	N_100110577	constant_power_B_real	7867.54	0.0	3933.77	0.0
load	N_100110577	constant_power_A_reac	2585.94	0.0	1292.97	0.0
load	N_100110577	constant_power_B_reac	2585.94	0.0	1292.97	0.0
load	N_100110574	constant_power_A	10015.4	3291.89	5007.7	1645.945
load	N_100110574	constant_power_B	10015.4	3291.89	5007.7	1645.945
load	N_100110574	constant_power_A_real	10015.4	0.0	5007.7	0.0
load	N_100110574	constant_power_B_real	10015.4	0.0	5007.7	0.0
load	N_100110574	constant_power_A_reac	3291.89	0.0	1645.945	0.0
load	N_100110574	constant_power_B_reac	3291.89	0.0	1645.945	0.0
load	N_100030023	constant_power_A	700.277	230.17	350.1385	115.085
load	N_100030023	constant_power_B	700.277	230.17	350.1385	115.085
load	N_100030023	constant_power_A_real	700.277	0.0	350.1385	0.0
load	N_100030023	constant_power_B_real	700.277	0.0	350.1385	0.0
load	N_100030023	constant_power_A_reac	230.17	0.0	115.085	0.0
load	N_100030023	constant_power_B_reac	230.17	0.0	115.085	0.0
load	N_100095389	constant_power_A	9813.28	3277.45	4906.64	1638.725
load	N_100095389	constant_power_B	9813.28	3277.45	4906.64	1638.725
load	N_100095389	constant_power_A_real	9813.28	0.0	4906.64	0.0
load	N_100095389	constant_power_B_real	9813.28	0.0	4906.64	0.0
load	N_100095389	constant_power_A_reac	3277.45	0.0	1638.725	0.0
load	N_100095389	constant_power_B_reac	3277.45	0.0	1638.725	0.0
load	N_100048984	constant_power_A	24688.3	8114.65	12344.15	4057.325
load	N_100048984	constant_power_B	24688.3	8114.65	12344.15	4057.325
load	N_100048984	constant_power_A_real	24688.3	0.0	12344.15	0.0
load	N_100048984	constant_power_B_real	24688.3	0.0	12344.15	0.0
load	N_100048984	constant_power_A_reac	8114.65	0.0	4057.325	0.0
load	N_100048984	constant_power_B_reac	8114.65	0.0	4057.325	0.0
load	N_100048987	constant_power_A	11848.3	3894.35	5924.15	1947.175
load	N_100048987	constant_power_B	11848.3	3894.35	5924.15	1947.175
load	N_100048987	constant_power_A_real	11848.3	0.0	5924.15	0.0
load	N_100048987	constant_power_B_real	11848.3	0.0	5924.15	0.0
load	N_100048987	constant_power_A_reac	3894.35	0.0	1947.175	0.0
load	N_100048987	constant_power_B_reac	3894.35	0.0	1947.175	0.0
load	N_100095384	constant_power_A	10241.0	3366.04	5120.5	1683.02
load	N_100095384	constant_power_B	10241.0	3366.04	5120.5	1683.02
load	N_100095384	constant_power_A_real	10241.0	0.0	5120.5	0.0

Table 14: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_100095384	constant_power_B_real	10241.0	0.0	5120.5	0.0
load	N_100095384	constant_power_A_reac	3366.04	0.0	1683.02	0.0
load	N_100095384	constant_power_B_reac	3366.04	0.0	1683.02	0.0
load	N_100110140	constant_power_A	3557.78	1169.39	1778.89	584.695
load	N_100110140	constant_power_B	3557.78	1169.39	1778.89	584.695
load	N_100110140	constant_power_A_real	3557.78	0.0	1778.89	0.0
load	N_100110140	constant_power_B_real	3557.78	0.0	1778.89	0.0
load	N_100110140	constant_power_A_reac	1169.39	0.0	584.695	0.0
load	N_100110140	constant_power_B_reac	1169.39	0.0	584.695	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054148	constant_power_A	396.619	130.362	198.3095	65.181
load	N_1800054148	constant_power_B	396.619	130.362	198.3095	65.181
load	N_1800054148	constant_power_A_real	396.619	0.0	198.3095	0.0
load	N_1800054148	constant_power_B_real	396.619	0.0	198.3095	0.0
load	N_1800054148	constant_power_A_reac	130.362	0.0	65.181	0.0
load	N_1800054148	constant_power_B_reac	130.362	0.0	65.181	0.0
load	N_1800054142	constant_power_A	128.85	42.3509	64.425	21.17545
load	N_1800054142	constant_power_B	128.85	42.3509	64.425	21.17545
load	N_1800054142	constant_power_C	128.85	42.3509	64.425	21.17545
load	N_1800054142	constant_power_A_real	128.85	0.0	64.425	0.0
load	N_1800054142	constant_power_B_real	128.85	0.0	64.425	0.0
load	N_1800054142	constant_power_C_real	128.85	0.0	64.425	0.0
load	N_1800054142	constant_power_A_reac	42.3509	0.0	21.17545	0.0
load	N_1800054142	constant_power_B_reac	42.3509	0.0	21.17545	0.0
load	N_1800054142	constant_power_C_reac	42.3509	0.0	21.17545	0.0
load	N_1800054143	constant_power_A	211.456	69.5021	105.728	34.75105
load	N_1800054143	constant_power_B	211.456	69.5021	105.728	34.75105
load	N_1800054143	constant_power_C	211.456	69.5021	105.728	34.75105
load	N_1800054143	constant_power_A_real	211.456	0.0	105.728	0.0
load	N_1800054143	constant_power_B_real	211.456	0.0	105.728	0.0
load	N_1800054143	constant_power_C_real	211.456	0.0	105.728	0.0
load	N_1800054143	constant_power_A_reac	69.5021	0.0	34.75105	0.0
load	N_1800054143	constant_power_B_reac	69.5021	0.0	34.75105	0.0
load	N_1800054143	constant_power_C_reac	69.5021	0.0	34.75105	0.0
load	N_1800054141	constant_power_A	558.101	308.788	279.0505	154.394
load	N_1800054141	constant_power_B	558.101	308.788	279.0505	154.394
load	N_1800054141	constant_power_C	558.101	308.788	279.0505	154.394
load	N_1800054141	constant_power_A_real	558.101	0.0	279.0505	0.0
load	N_1800054141	constant_power_B_real	558.101	0.0	279.0505	0.0
load	N_1800054141	constant_power_C_real	558.101	0.0	279.0505	0.0
load	N_1800054141	constant_power_A_reac	308.788	0.0	154.394	0.0
load	N_1800054141	constant_power_B_reac	308.788	0.0	154.394	0.0
load	N_1800054141	constant_power_C_reac	308.788	0.0	154.394	0.0
load	N_1800054147	constant_power_A	341.238	112.16	170.619	56.08
load	N_1800054147	constant_power_B	341.238	112.16	170.619	56.08
load	N_1800054147	constant_power_A_real	341.238	0.0	170.619	0.0
load	N_1800054147	constant_power_B_real	341.238	0.0	170.619	0.0
load	N_1800054147	constant_power_A_reac	112.16	0.0	56.08	0.0
load	N_1800054147	constant_power_B_reac	112.16	0.0	56.08	0.0
load	N_1800054144	constant_power_A	526.681	173.112	263.3405	86.556
load	N_1800054144	constant_power_B	526.681	173.112	263.3405	86.556
load	N_1800054144	constant_power_A_real	526.681	0.0	263.3405	0.0
load	N_1800054144	constant_power_B_real	526.681	0.0	263.3405	0.0
load	N_1800054144	constant_power_A_reac	173.112	0.0	86.556	0.0
load	N_1800054144	constant_power_B_reac	173.112	0.0	86.556	0.0
load	N_1800016752	constant_power_A	867.919	285.271	433.9595	142.6355
load	N_1800016752	constant_power_B	867.919	285.271	433.9595	142.6355
load	N_1800016752	constant_power_A_real	867.919	0.0	433.9595	0.0
load	N_1800016752	constant_power_B_real	867.919	0.0	433.9595	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800016752	constant_power_A_reac	285.271	0.0	142.6355	0.0
load	N_1800016752	constant_power_B_reac	285.271	0.0	142.6355	0.0
load	N_1800004949	constant_power_A	5226.75	3224.18	2613.375	1612.09
load	N_1800004949	constant_power_B	5226.75	3224.18	2613.375	1612.09
load	N_1800004949	constant_power_C	5226.75	3224.18	2613.375	1612.09
load	N_1800004949	constant_power_A_real	5226.75	0.0	2613.375	0.0
load	N_1800004949	constant_power_B_real	5226.75	0.0	2613.375	0.0
load	N_1800004949	constant_power_C_real	5226.75	0.0	2613.375	0.0
load	N_1800004949	constant_power_A_reac	3224.18	0.0	1612.09	0.0
load	N_1800004949	constant_power_B_reac	3224.18	0.0	1612.09	0.0
load	N_1800004949	constant_power_C_reac	3224.18	0.0	1612.09	0.0
load	N_1800053450	constant_power_A	539.547	177.341	269.7735	88.6705
load	N_1800053450	constant_power_B	539.547	177.341	269.7735	88.6705
load	N_1800053450	constant_power_A_real	539.547	0.0	269.7735	0.0
load	N_1800053450	constant_power_B_real	539.547	0.0	269.7735	0.0
load	N_1800053450	constant_power_A_reac	177.341	0.0	88.6705	0.0
load	N_1800053450	constant_power_B_reac	177.341	0.0	88.6705	0.0
load	N_1800053452	constant_power_A	299.003	98.2775	149.5015	49.13875
load	N_1800053452	constant_power_B	299.003	98.2775	149.5015	49.13875
load	N_1800053452	constant_power_A_real	299.003	0.0	149.5015	0.0
load	N_1800053452	constant_power_B_real	299.003	0.0	149.5015	0.0
load	N_1800053452	constant_power_A_reac	98.2775	0.0	49.13875	0.0
load	N_1800053452	constant_power_B_reac	98.2775	0.0	49.13875	0.0
load	N_1800053455	constant_power_A	60.696	19.9498	30.348	9.9749
load	N_1800053455	constant_power_B	60.696	19.9498	30.348	9.9749
load	N_1800053455	constant_power_A_real	60.696	0.0	30.348	0.0
load	N_1800053455	constant_power_B_real	60.696	0.0	30.348	0.0
load	N_1800053455	constant_power_A_reac	19.9498	0.0	9.9749	0.0
load	N_1800053455	constant_power_B_reac	19.9498	0.0	9.9749	0.0
load	N_1800053454	constant_power_A	192.995	63.4344	96.4975	31.7172
load	N_1800053454	constant_power_B	192.995	63.4344	96.4975	31.7172
load	N_1800053454	constant_power_A_real	192.995	0.0	96.4975	0.0
load	N_1800053454	constant_power_B_real	192.995	0.0	96.4975	0.0
load	N_1800053454	constant_power_A_reac	63.4344	0.0	31.7172	0.0
load	N_1800053454	constant_power_B_reac	63.4344	0.0	31.7172	0.0
load	N_1800053457	constant_power_A	607.329	199.619	303.6645	99.8095
load	N_1800053457	constant_power_B	607.329	199.619	303.6645	99.8095
load	N_1800053457	constant_power_C	607.329	199.619	303.6645	99.8095
load	N_1800053457	constant_power_A_real	607.329	0.0	303.6645	0.0
load	N_1800053457	constant_power_B_real	607.329	0.0	303.6645	0.0
load	N_1800053457	constant_power_C_real	607.329	0.0	303.6645	0.0
load	N_1800053457	constant_power_A_reac	199.619	0.0	99.8095	0.0
load	N_1800053457	constant_power_B_reac	199.619	0.0	99.8095	0.0
load	N_1800053457	constant_power_C_reac	199.619	0.0	99.8095	0.0
load	N_1800053456	constant_power_A	205.302	67.4795	102.651	33.73975
load	N_1800053456	constant_power_B	205.302	67.4795	102.651	33.73975
load	N_1800053456	constant_power_C	205.302	67.4795	102.651	33.73975
load	N_1800053456	constant_power_A_real	205.302	0.0	102.651	0.0
load	N_1800053456	constant_power_B_real	205.302	0.0	102.651	0.0
load	N_1800053456	constant_power_C_real	205.302	0.0	102.651	0.0
load	N_1800053456	constant_power_A_reac	67.4795	0.0	33.73975	0.0
load	N_1800053456	constant_power_B_reac	67.4795	0.0	33.73975	0.0
load	N_1800053456	constant_power_C_reac	67.4795	0.0	33.73975	0.0
load	N_1800034358	constant_power_A	744.57	375.313	372.285	187.6565
load	N_1800034358	constant_power_B	744.57	375.313	372.285	187.6565
load	N_1800034358	constant_power_C	744.57	375.313	372.285	187.6565
load	N_1800034358	constant_power_A_real	744.57	0.0	372.285	0.0
load	N_1800034358	constant_power_B_real	744.57	0.0	372.285	0.0
load	N_1800034358	constant_power_C_real	744.57	0.0	372.285	0.0
load	N_1800034358	constant_power_A_reac	375.313	0.0	187.6565	0.0
load	N_1800034358	constant_power_B_reac	375.313	0.0	187.6565	0.0
load	N_1800034358	constant_power_C_reac	375.313	0.0	187.6565	0.0
load	N_1800053513	constant_power_A	60.7887	23.1213	30.39435	11.56065

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053513	constant_power_B	60.7887	23.1213	30.39435	11.56065
load	N_1800053513	constant_power_C	60.7887	23.1213	30.39435	11.56065
load	N_1800053513	constant_power_A_real	60.7887	0.0	30.39435	0.0
load	N_1800053513	constant_power_B_real	60.7887	0.0	30.39435	0.0
load	N_1800053513	constant_power_C_real	60.7887	0.0	30.39435	0.0
load	N_1800053513	constant_power_A_reac	23.1213	0.0	11.56065	0.0
load	N_1800053513	constant_power_B_reac	23.1213	0.0	11.56065	0.0
load	N_1800053513	constant_power_C_reac	23.1213	0.0	11.56065	0.0
load	N_1800053515	constant_power_A	418.156	137.441	209.078	68.7205
load	N_1800053515	constant_power_B	418.156	137.441	209.078	68.7205
load	N_1800053515	constant_power_A_real	418.156	0.0	209.078	0.0
load	N_1800053515	constant_power_B_real	418.156	0.0	209.078	0.0
load	N_1800053515	constant_power_A_reac	137.441	0.0	68.7205	0.0
load	N_1800053515	constant_power_B_reac	137.441	0.0	68.7205	0.0
load	N_1800053517	constant_power_A	962.179	316.253	481.0895	158.1265
load	N_1800053517	constant_power_B	962.179	316.253	481.0895	158.1265
load	N_1800053517	constant_power_A_real	962.179	0.0	481.0895	0.0
load	N_1800053517	constant_power_B_real	962.179	0.0	481.0895	0.0
load	N_1800053517	constant_power_A_reac	316.253	0.0	158.1265	0.0
load	N_1800053517	constant_power_B_reac	316.253	0.0	158.1265	0.0
load	N_1800053519	constant_power_A	1206.08	396.419	603.04	198.2095
load	N_1800053519	constant_power_B	1206.08	396.419	603.04	198.2095
load	N_1800053519	constant_power_A_real	1206.08	0.0	603.04	0.0
load	N_1800053519	constant_power_B_real	1206.08	0.0	603.04	0.0
load	N_1800053519	constant_power_A_reac	396.419	0.0	198.2095	0.0
load	N_1800053519	constant_power_B_reac	396.419	0.0	198.2095	0.0
load	N_1800034357	constant_power_A	2173.26	1256.37	1086.63	628.185
load	N_1800034357	constant_power_B	2173.26	1256.37	1086.63	628.185
load	N_1800034357	constant_power_C	2173.26	1256.37	1086.63	628.185
load	N_1800034357	constant_power_A_real	2173.26	0.0	1086.63	0.0
load	N_1800034357	constant_power_B_real	2173.26	0.0	1086.63	0.0
load	N_1800034357	constant_power_C_real	2173.26	0.0	1086.63	0.0
load	N_1800034357	constant_power_A_reac	1256.37	0.0	628.185	0.0
load	N_1800034357	constant_power_B_reac	1256.37	0.0	628.185	0.0
load	N_1800034357	constant_power_C_reac	1256.37	0.0	628.185	0.0
load	N_1800031219	constant_power_A	584.859	192.234	292.4295	96.117
load	N_1800031219	constant_power_B	584.859	192.234	292.4295	96.117
load	N_1800031219	constant_power_A_real	584.859	0.0	292.4295	0.0
load	N_1800031219	constant_power_B_real	584.859	0.0	292.4295	0.0
load	N_1800031219	constant_power_A_reac	192.234	0.0	96.117	0.0
load	N_1800031219	constant_power_B_reac	192.234	0.0	96.117	0.0
load	N_1800038583	constant_power_A	432.048	267.759	216.024	133.8795
load	N_1800038583	constant_power_B	432.048	267.759	216.024	133.8795
load	N_1800038583	constant_power_C	432.048	267.759	216.024	133.8795
load	N_1800038583	constant_power_A_real	432.048	0.0	216.024	0.0
load	N_1800038583	constant_power_B_real	432.048	0.0	216.024	0.0
load	N_1800038583	constant_power_C_real	432.048	0.0	216.024	0.0
load	N_1800038583	constant_power_A_reac	267.759	0.0	133.8795	0.0
load	N_1800038583	constant_power_B_reac	267.759	0.0	133.8795	0.0
load	N_1800038583	constant_power_C_reac	267.759	0.0	133.8795	0.0
load	N_1800038585	constant_power_A	728.347	451.389	364.1735	225.6945
load	N_1800038585	constant_power_B	728.347	451.389	364.1735	225.6945
load	N_1800038585	constant_power_C	728.347	451.389	364.1735	225.6945
load	N_1800038585	constant_power_A_real	728.347	0.0	364.1735	0.0
load	N_1800038585	constant_power_B_real	728.347	0.0	364.1735	0.0
load	N_1800038585	constant_power_C_real	728.347	0.0	364.1735	0.0
load	N_1800038585	constant_power_A_reac	451.389	0.0	225.6945	0.0
load	N_1800038585	constant_power_B_reac	451.389	0.0	225.6945	0.0
load	N_1800038585	constant_power_C_reac	451.389	0.0	225.6945	0.0
load	N_1800038586	constant_power_A	42.142	26.1173	21.071	13.05865
load	N_1800038586	constant_power_B	42.142	26.1173	21.071	13.05865
load	N_1800038586	constant_power_C	42.142	26.1173	21.071	13.05865
load	N_1800038586	constant_power_A_real	42.142	0.0	21.071	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800038586	constant_power_B_real	42.142	0.0	21.071	0.0
load	N_1800038586	constant_power_C_real	42.142	0.0	21.071	0.0
load	N_1800038586	constant_power_A_reac	26.1173	0.0	13.05865	0.0
load	N_1800038586	constant_power_B_reac	26.1173	0.0	13.05865	0.0
load	N_1800038586	constant_power_C_reac	26.1173	0.0	13.05865	0.0
load	N_1800031213	constant_power_A	606.209	285.944	303.1045	142.972
load	N_1800031213	constant_power_B	606.209	285.944	303.1045	142.972
load	N_1800031213	constant_power_C	606.209	285.944	303.1045	142.972
load	N_1800031213	constant_power_A_real	606.209	0.0	303.1045	0.0
load	N_1800031213	constant_power_B_real	606.209	0.0	303.1045	0.0
load	N_1800031213	constant_power_C_real	606.209	0.0	303.1045	0.0
load	N_1800031213	constant_power_A_reac	285.944	0.0	142.972	0.0
load	N_1800031213	constant_power_B_reac	285.944	0.0	142.972	0.0
load	N_1800031213	constant_power_C_reac	285.944	0.0	142.972	0.0
load	N_1800080037	constant_power_A	541.785	178.076	270.8925	89.038
load	N_1800080037	constant_power_B	541.785	178.076	270.8925	89.038
load	N_1800080037	constant_power_A_real	541.785	0.0	270.8925	0.0
load	N_1800080037	constant_power_B_real	541.785	0.0	270.8925	0.0
load	N_1800080037	constant_power_A_reac	178.076	0.0	89.038	0.0
load	N_1800080037	constant_power_B_reac	178.076	0.0	89.038	0.0
load	N_1800031216	constant_power_A	331.728	109.034	165.864	54.517
load	N_1800031216	constant_power_B	331.728	109.034	165.864	54.517
load	N_1800031216	constant_power_C	331.728	109.034	165.864	54.517
load	N_1800031216	constant_power_A_real	331.728	0.0	165.864	0.0
load	N_1800031216	constant_power_B_real	331.728	0.0	165.864	0.0
load	N_1800031216	constant_power_C_real	331.728	0.0	165.864	0.0
load	N_1800031216	constant_power_A_reac	109.034	0.0	54.517	0.0
load	N_1800031216	constant_power_B_reac	109.034	0.0	54.517	0.0
load	N_1800031216	constant_power_C_reac	109.034	0.0	54.517	0.0
load	N_1800053696	constant_power_A	435.032	269.608	217.516	134.804
load	N_1800053696	constant_power_B	435.032	269.608	217.516	134.804
load	N_1800053696	constant_power_C	435.032	269.608	217.516	134.804
load	N_1800053696	constant_power_A_real	435.032	0.0	217.516	0.0
load	N_1800053696	constant_power_B_real	435.032	0.0	217.516	0.0
load	N_1800053696	constant_power_C_real	435.032	0.0	217.516	0.0
load	N_1800053696	constant_power_A_reac	269.608	0.0	134.804	0.0
load	N_1800053696	constant_power_B_reac	269.608	0.0	134.804	0.0
load	N_1800053696	constant_power_C_reac	269.608	0.0	134.804	0.0
load	N_1800028770	constant_power_A	176.026	57.8571	88.013	28.92855
load	N_1800028770	constant_power_B	176.026	57.8571	88.013	28.92855
load	N_1800028770	constant_power_C	176.026	57.8571	88.013	28.92855
load	N_1800028770	constant_power_A_real	176.026	0.0	88.013	0.0
load	N_1800028770	constant_power_B_real	176.026	0.0	88.013	0.0
load	N_1800028770	constant_power_C_real	176.026	0.0	88.013	0.0
load	N_1800028770	constant_power_A_reac	57.8571	0.0	28.92855	0.0
load	N_1800028770	constant_power_B_reac	57.8571	0.0	28.92855	0.0
load	N_1800028770	constant_power_C_reac	57.8571	0.0	28.92855	0.0
load	N_1800017969	constant_power_A	10.4423	3.43223	5.22115	1.716115
load	N_1800017969	constant_power_B	10.4423	3.43223	5.22115	1.716115
load	N_1800017969	constant_power_C	10.4423	3.43223	5.22115	1.716115
load	N_1800017969	constant_power_A_real	10.4423	0.0	5.22115	0.0
load	N_1800017969	constant_power_B_real	10.4423	0.0	5.22115	0.0
load	N_1800017969	constant_power_C_real	10.4423	0.0	5.22115	0.0
load	N_1800017969	constant_power_A_reac	3.43223	0.0	1.716115	0.0
load	N_1800017969	constant_power_B_reac	3.43223	0.0	1.716115	0.0
load	N_1800017969	constant_power_C_reac	3.43223	0.0	1.716115	0.0
load	N_1800054145	constant_power_A	234.111	76.9486	117.0555	38.4743
load	N_1800054145	constant_power_B	234.111	76.9486	117.0555	38.4743
load	N_1800054145	constant_power_A_real	234.111	0.0	117.0555	0.0
load	N_1800054145	constant_power_B_real	234.111	0.0	117.0555	0.0
load	N_1800054145	constant_power_A_reac	76.9486	0.0	38.4743	0.0
load	N_1800054145	constant_power_B_reac	76.9486	0.0	38.4743	0.0
load	N_1800053467	constant_power_A	104.422	57.7751	52.211	28.88755

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053467	constant_power_B	104.422	57.7751	52.211	28.88755
load	N_1800053467	constant_power_C	104.422	57.7751	52.211	28.88755
load	N_1800053467	constant_power_A_real	104.422	0.0	52.211	0.0
load	N_1800053467	constant_power_B_real	104.422	0.0	52.211	0.0
load	N_1800053467	constant_power_C_real	104.422	0.0	52.211	0.0
load	N_1800053467	constant_power_A_reac	57.7751	0.0	28.88755	0.0
load	N_1800053467	constant_power_B_reac	57.7751	0.0	28.88755	0.0
load	N_1800053467	constant_power_C_reac	57.7751	0.0	28.88755	0.0
load	N_1800053469	constant_power_A	70.858	39.2046	35.429	19.6023
load	N_1800053469	constant_power_B	70.858	39.2046	35.429	19.6023
load	N_1800053469	constant_power_C	70.858	39.2046	35.429	19.6023
load	N_1800053469	constant_power_A_real	70.858	0.0	35.429	0.0
load	N_1800053469	constant_power_B_real	70.858	0.0	35.429	0.0
load	N_1800053469	constant_power_C_real	70.858	0.0	35.429	0.0
load	N_1800053469	constant_power_A_reac	39.2046	0.0	19.6023	0.0
load	N_1800053469	constant_power_B_reac	39.2046	0.0	19.6023	0.0
load	N_1800053469	constant_power_C_reac	39.2046	0.0	19.6023	0.0
load	N_1800015786	constant_power_A	266.837	87.705	133.4185	43.8525
load	N_1800015786	constant_power_B	266.837	87.705	133.4185	43.8525
load	N_1800015786	constant_power_C	266.837	87.705	133.4185	43.8525
load	N_1800015786	constant_power_A_real	266.837	0.0	133.4185	0.0
load	N_1800015786	constant_power_B_real	266.837	0.0	133.4185	0.0
load	N_1800015786	constant_power_C_real	266.837	0.0	133.4185	0.0
load	N_1800015786	constant_power_A_reac	87.705	0.0	43.8525	0.0
load	N_1800015786	constant_power_B_reac	87.705	0.0	43.8525	0.0
load	N_1800015786	constant_power_C_reac	87.705	0.0	43.8525	0.0
load	N_1800195210	constant_power_A	47000.0	29128.0	23500.0	14564.0
load	N_1800195210	constant_power_B	47000.0	29128.0	23500.0	14564.0
load	N_1800195210	constant_power_C	47000.0	29128.0	23500.0	14564.0
load	N_1800195210	constant_power_A_real	47000.0	0.0	23500.0	0.0
load	N_1800195210	constant_power_B_real	47000.0	0.0	23500.0	0.0
load	N_1800195210	constant_power_C_real	47000.0	0.0	23500.0	0.0
load	N_1800195210	constant_power_A_reac	29128.0	0.0	14564.0	0.0
load	N_1800195210	constant_power_B_reac	29128.0	0.0	14564.0	0.0
load	N_1800195210	constant_power_C_reac	29128.0	0.0	14564.0	0.0
load	N_1800080715	constant_power_A	92.4883	30.3994	46.24415	15.1997
load	N_1800080715	constant_power_B	92.4883	30.3994	46.24415	15.1997
load	N_1800080715	constant_power_C	92.4883	30.3994	46.24415	15.1997
load	N_1800080715	constant_power_A_real	92.4883	0.0	46.24415	0.0
load	N_1800080715	constant_power_B_real	92.4883	0.0	46.24415	0.0
load	N_1800080715	constant_power_C_real	92.4883	0.0	46.24415	0.0
load	N_1800080715	constant_power_A_reac	30.3994	0.0	15.1997	0.0
load	N_1800080715	constant_power_B_reac	30.3994	0.0	15.1997	0.0
load	N_1800080715	constant_power_C_reac	30.3994	0.0	15.1997	0.0
load	N_1800080712	constant_power_A	99.015	57.77	49.5075	28.885
load	N_1800080712	constant_power_B	99.015	57.77	49.5075	28.885
load	N_1800080712	constant_power_C	99.015	57.77	49.5075	28.885
load	N_1800080712	constant_power_A_real	99.015	0.0	49.5075	0.0
load	N_1800080712	constant_power_B_real	99.015	0.0	49.5075	0.0
load	N_1800080712	constant_power_C_real	99.015	0.0	49.5075	0.0
load	N_1800080712	constant_power_A_reac	57.77	0.0	28.885	0.0
load	N_1800080712	constant_power_B_reac	57.77	0.0	28.885	0.0
load	N_1800080712	constant_power_C_reac	57.77	0.0	28.885	0.0
load	N_1800080713	constant_power_A	2820.71	1748.12	1410.355	874.06
load	N_1800080713	constant_power_B	2820.71	1748.12	1410.355	874.06
load	N_1800080713	constant_power_C	2820.71	1748.12	1410.355	874.06
load	N_1800080713	constant_power_A_real	2820.71	0.0	1410.355	0.0
load	N_1800080713	constant_power_B_real	2820.71	0.0	1410.355	0.0
load	N_1800080713	constant_power_C_real	2820.71	0.0	1410.355	0.0
load	N_1800080713	constant_power_A_reac	1748.12	0.0	874.06	0.0
load	N_1800080713	constant_power_B_reac	1748.12	0.0	874.06	0.0
load	N_1800080713	constant_power_C_reac	1748.12	0.0	874.06	0.0
load	N_1800004021	constant_power_A	45.312	14.8933	22.656	7.44665

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800004021	constant_power_B	45.312	14.8933	22.656	7.44665
load	N_1800004021	constant_power_C	45.312	14.8933	22.656	7.44665
load	N_1800004021	constant_power_A_real	45.312	0.0	22.656	0.0
load	N_1800004021	constant_power_B_real	45.312	0.0	22.656	0.0
load	N_1800004021	constant_power_C_real	45.312	0.0	22.656	0.0
load	N_1800004021	constant_power_A_reac	14.8933	0.0	7.44665	0.0
load	N_1800004021	constant_power_B_reac	14.8933	0.0	7.44665	0.0
load	N_1800004021	constant_power_C_reac	14.8933	0.0	7.44665	0.0
load	N_1800003875	constant_power_A	56427.9	34964.6	28213.95	17482.3
load	N_1800003875	constant_power_B	56427.9	34964.6	28213.95	17482.3
load	N_1800003875	constant_power_C	56427.9	34964.6	28213.95	17482.3
load	N_1800003875	constant_power_A_real	56427.9	0.0	28213.95	0.0
load	N_1800003875	constant_power_B_real	56427.9	0.0	28213.95	0.0
load	N_1800003875	constant_power_C_real	56427.9	0.0	28213.95	0.0
load	N_1800003875	constant_power_A_reac	34964.6	0.0	17482.3	0.0
load	N_1800003875	constant_power_B_reac	34964.6	0.0	17482.3	0.0
load	N_1800003875	constant_power_C_reac	34964.6	0.0	17482.3	0.0
load	N_1800053609	constant_power_A	340.678	111.975	170.339	55.9875
load	N_1800053609	constant_power_B	340.678	111.975	170.339	55.9875
load	N_1800053609	constant_power_A_real	340.678	0.0	170.339	0.0
load	N_1800053609	constant_power_B_real	340.678	0.0	170.339	0.0
load	N_1800053609	constant_power_A_reac	111.975	0.0	55.9875	0.0
load	N_1800053609	constant_power_B_reac	111.975	0.0	55.9875	0.0
load	N_1800054130	constant_power_A	428.225	145.211	214.1125	72.6055
load	N_1800054130	constant_power_B	428.225	145.211	214.1125	72.6055
load	N_1800054130	constant_power_A_real	428.225	0.0	214.1125	0.0
load	N_1800054130	constant_power_B_real	428.225	0.0	214.1125	0.0
load	N_1800054130	constant_power_A_reac	145.211	0.0	72.6055	0.0
load	N_1800054130	constant_power_B_reac	145.211	0.0	72.6055	0.0
load	N_1800053600	constant_power_A	806.384	265.046	403.192	132.523
load	N_1800053600	constant_power_B	806.384	265.046	403.192	132.523
load	N_1800053600	constant_power_A_real	806.384	0.0	403.192	0.0
load	N_1800053600	constant_power_B_real	806.384	0.0	403.192	0.0
load	N_1800053600	constant_power_A_reac	265.046	0.0	132.523	0.0
load	N_1800053600	constant_power_B_reac	265.046	0.0	132.523	0.0
load	N_1800053602	constant_power_A	377.319	124.019	188.6595	62.0095
load	N_1800053602	constant_power_B	377.319	124.019	188.6595	62.0095
load	N_1800053602	constant_power_A_real	377.319	0.0	188.6595	0.0
load	N_1800053602	constant_power_B_real	377.319	0.0	188.6595	0.0
load	N_1800053602	constant_power_A_reac	124.019	0.0	62.0095	0.0
load	N_1800053602	constant_power_B_reac	124.019	0.0	62.0095	0.0
load	N_1800053604	constant_power_A	696.74	229.007	348.37	114.5035
load	N_1800053604	constant_power_B	696.74	229.007	348.37	114.5035
load	N_1800053604	constant_power_A_real	696.74	0.0	348.37	0.0
load	N_1800053604	constant_power_B_real	696.74	0.0	348.37	0.0
load	N_1800053604	constant_power_A_reac	229.007	0.0	114.5035	0.0
load	N_1800053604	constant_power_B_reac	229.007	0.0	114.5035	0.0
load	N_1800053606	constant_power_A	781.49	256.863	390.745	128.4315
load	N_1800053606	constant_power_B	781.49	256.863	390.745	128.4315
load	N_1800053606	constant_power_A_real	781.49	0.0	390.745	0.0
load	N_1800053606	constant_power_B_real	781.49	0.0	390.745	0.0
load	N_1800053606	constant_power_A_reac	256.863	0.0	128.4315	0.0
load	N_1800053606	constant_power_B_reac	256.863	0.0	128.4315	0.0
load	N_1800053607	constant_power_A	118.594	38.98	59.297	19.49
load	N_1800053607	constant_power_B	118.594	38.98	59.297	19.49
load	N_1800053607	constant_power_A_real	118.594	0.0	59.297	0.0
load	N_1800053607	constant_power_B_real	118.594	0.0	59.297	0.0
load	N_1800053607	constant_power_A_reac	38.98	0.0	19.49	0.0
load	N_1800053607	constant_power_B_reac	38.98	0.0	19.49	0.0
load	N_1800053767	constant_power_A	323.337	106.276	161.6685	53.138
load	N_1800053767	constant_power_B	323.337	106.276	161.6685	53.138
load	N_1800053767	constant_power_A_real	323.337	0.0	161.6685	0.0
load	N_1800053767	constant_power_B_real	323.337	0.0	161.6685	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053767	constant_power_A_reac	106.276	0.0	53.138	0.0
load	N_1800053767	constant_power_B_reac	106.276	0.0	53.138	0.0
load	N_1800053766	constant_power_A	469.062	154.173	234.531	77.0865
load	N_1800053766	constant_power_B	469.062	154.173	234.531	77.0865
load	N_1800053766	constant_power_A_real	469.062	0.0	234.531	0.0
load	N_1800053766	constant_power_B_real	469.062	0.0	234.531	0.0
load	N_1800053766	constant_power_A_reac	154.173	0.0	77.0865	0.0
load	N_1800053766	constant_power_B_reac	154.173	0.0	77.0865	0.0
load	N_1800053763	constant_power_A	232.713	104.13	116.3565	52.065
load	N_1800053763	constant_power_B	232.713	104.13	116.3565	52.065
load	N_1800053763	constant_power_C	232.713	104.13	116.3565	52.065
load	N_1800053763	constant_power_A_real	232.713	0.0	116.3565	0.0
load	N_1800053763	constant_power_B_real	232.713	0.0	116.3565	0.0
load	N_1800053763	constant_power_C_real	232.713	0.0	116.3565	0.0
load	N_1800053763	constant_power_A_reac	104.13	0.0	52.065	0.0
load	N_1800053763	constant_power_B_reac	104.13	0.0	52.065	0.0
load	N_1800053763	constant_power_C_reac	104.13	0.0	52.065	0.0
load	N_1800053762	constant_power_A	126.426	41.5541	63.213	20.77705
load	N_1800053762	constant_power_B	126.426	41.5541	63.213	20.77705
load	N_1800053762	constant_power_C	126.426	41.5541	63.213	20.77705
load	N_1800053762	constant_power_A_real	126.426	0.0	63.213	0.0
load	N_1800053762	constant_power_B_real	126.426	0.0	63.213	0.0
load	N_1800053762	constant_power_C_real	126.426	0.0	63.213	0.0
load	N_1800053762	constant_power_A_reac	41.5541	0.0	20.77705	0.0
load	N_1800053762	constant_power_B_reac	41.5541	0.0	20.77705	0.0
load	N_1800053762	constant_power_C_reac	41.5541	0.0	20.77705	0.0
load	N_1800053761	constant_power_A	311.869	102.506	155.9345	51.253
load	N_1800053761	constant_power_B	311.869	102.506	155.9345	51.253
load	N_1800053761	constant_power_A_real	311.869	0.0	155.9345	0.0
load	N_1800053761	constant_power_B_real	311.869	0.0	155.9345	0.0
load	N_1800053761	constant_power_A_reac	102.506	0.0	51.253	0.0
load	N_1800053761	constant_power_B_reac	102.506	0.0	51.253	0.0
load	N_1800053760	constant_power_A	506.542	166.492	253.271	83.246
load	N_1800053760	constant_power_B	506.542	166.492	253.271	83.246
load	N_1800053760	constant_power_A_real	506.542	0.0	253.271	0.0
load	N_1800053760	constant_power_B_real	506.542	0.0	253.271	0.0
load	N_1800053760	constant_power_A_reac	166.492	0.0	83.246	0.0
load	N_1800053760	constant_power_B_reac	166.492	0.0	83.246	0.0
load	N_1800053769	constant_power_A	211.456	69.5021	105.728	34.75105
load	N_1800053769	constant_power_B	211.456	69.5021	105.728	34.75105
load	N_1800053769	constant_power_C	211.456	69.5021	105.728	34.75105
load	N_1800053769	constant_power_A_real	211.456	0.0	105.728	0.0
load	N_1800053769	constant_power_B_real	211.456	0.0	105.728	0.0
load	N_1800053769	constant_power_C_real	211.456	0.0	105.728	0.0
load	N_1800053769	constant_power_A_reac	69.5021	0.0	34.75105	0.0
load	N_1800053769	constant_power_B_reac	69.5021	0.0	34.75105	0.0
load	N_1800053769	constant_power_C_reac	69.5021	0.0	34.75105	0.0
load	N_1800002577	constant_power_A	1304.26	428.688	652.13	214.344
load	N_1800002577	constant_power_B	1304.26	428.688	652.13	214.344
load	N_1800002577	constant_power_A_real	1304.26	0.0	652.13	0.0
load	N_1800002577	constant_power_B_real	1304.26	0.0	652.13	0.0
load	N_1800002577	constant_power_A_reac	428.688	0.0	214.344	0.0
load	N_1800002577	constant_power_B_reac	428.688	0.0	214.344	0.0
load	N_1800053662	constant_power_A	359.512	198.912	179.756	99.456
load	N_1800053662	constant_power_B	359.512	198.912	179.756	99.456
load	N_1800053662	constant_power_C	359.512	198.912	179.756	99.456
load	N_1800053662	constant_power_A_real	359.512	0.0	179.756	0.0
load	N_1800053662	constant_power_B_real	359.512	0.0	179.756	0.0
load	N_1800053662	constant_power_C_real	359.512	0.0	179.756	0.0
load	N_1800053662	constant_power_A_reac	198.912	0.0	99.456	0.0
load	N_1800053662	constant_power_B_reac	198.912	0.0	99.456	0.0
load	N_1800053662	constant_power_C_reac	198.912	0.0	99.456	0.0
load	N_1800006442	constant_power_A	2612.05	858.541	1306.025	429.2705

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800006442	constant_power_B	2612.05	858.541	1306.025	429.2705
load	N_1800006442	constant_power_C	2612.05	858.541	1306.025	429.2705
load	N_1800006442	constant_power_A_real	2612.05	0.0	1306.025	0.0
load	N_1800006442	constant_power_B_real	2612.05	0.0	1306.025	0.0
load	N_1800006442	constant_power_C_real	2612.05	0.0	1306.025	0.0
load	N_1800006442	constant_power_A_reac	858.541	0.0	429.2705	0.0
load	N_1800006442	constant_power_B_reac	858.541	0.0	429.2705	0.0
load	N_1800006442	constant_power_C_reac	858.541	0.0	429.2705	0.0
load	N_1800053663	constant_power_A	226.559	125.352	113.2795	62.676
load	N_1800053663	constant_power_B	226.559	125.352	113.2795	62.676
load	N_1800053663	constant_power_C	226.559	125.352	113.2795	62.676
load	N_1800053663	constant_power_A_real	226.559	0.0	113.2795	0.0
load	N_1800053663	constant_power_B_real	226.559	0.0	113.2795	0.0
load	N_1800053663	constant_power_C_real	226.559	0.0	113.2795	0.0
load	N_1800053663	constant_power_A_reac	125.352	0.0	62.676	0.0
load	N_1800053663	constant_power_B_reac	125.352	0.0	62.676	0.0
load	N_1800053663	constant_power_C_reac	125.352	0.0	62.676	0.0
load	N_1800038438	constant_power_A	994.064	349.663	497.032	174.8315
load	N_1800038438	constant_power_B	994.064	349.663	497.032	174.8315
load	N_1800038438	constant_power_A_real	994.064	0.0	497.032	0.0
load	N_1800038438	constant_power_B_real	994.064	0.0	497.032	0.0
load	N_1800038438	constant_power_A_reac	349.663	0.0	174.8315	0.0
load	N_1800038438	constant_power_B_reac	349.663	0.0	174.8315	0.0
load	N_1800038439	constant_power_A	201.107	66.1007	100.5535	33.05035
load	N_1800038439	constant_power_B	201.107	66.1007	100.5535	33.05035
load	N_1800038439	constant_power_A_real	201.107	0.0	100.5535	0.0
load	N_1800038439	constant_power_B_real	201.107	0.0	100.5535	0.0
load	N_1800038439	constant_power_A_reac	66.1007	0.0	33.05035	0.0
load	N_1800038439	constant_power_B_reac	66.1007	0.0	33.05035	0.0
load	N_1800038431	constant_power_A	853.374	280.49	426.687	140.245
load	N_1800038431	constant_power_B	853.374	280.49	426.687	140.245
load	N_1800038431	constant_power_A_real	853.374	0.0	426.687	0.0
load	N_1800038431	constant_power_B_real	853.374	0.0	426.687	0.0
load	N_1800038431	constant_power_A_reac	280.49	0.0	140.245	0.0
load	N_1800038431	constant_power_B_reac	280.49	0.0	140.245	0.0
load	N_1800038432	constant_power_A	562.763	184.971	281.3815	92.4855
load	N_1800038432	constant_power_B	562.763	184.971	281.3815	92.4855
load	N_1800038432	constant_power_A_real	562.763	0.0	281.3815	0.0
load	N_1800038432	constant_power_B_real	562.763	0.0	281.3815	0.0
load	N_1800038432	constant_power_A_reac	184.971	0.0	92.4855	0.0
load	N_1800038432	constant_power_B_reac	184.971	0.0	92.4855	0.0
load	N_1800038434	constant_power_A	528.917	202.179	264.4585	101.0895
load	N_1800038434	constant_power_B	528.917	202.179	264.4585	101.0895
load	N_1800038434	constant_power_A_real	528.917	0.0	264.4585	0.0
load	N_1800038434	constant_power_B_real	528.917	0.0	264.4585	0.0
load	N_1800038434	constant_power_A_reac	202.179	0.0	101.0895	0.0
load	N_1800038434	constant_power_B_reac	202.179	0.0	101.0895	0.0
load	N_1800042975	constant_power_A	577.027	189.66	288.5135	94.83
load	N_1800042975	constant_power_B	577.027	189.66	288.5135	94.83
load	N_1800042975	constant_power_A_real	577.027	0.0	288.5135	0.0
load	N_1800042975	constant_power_B_real	577.027	0.0	288.5135	0.0
load	N_1800042975	constant_power_A_reac	189.66	0.0	94.83	0.0
load	N_1800042975	constant_power_B_reac	189.66	0.0	94.83	0.0
load	N_1800038436	constant_power_A	414.52	136.246	207.26	68.123
load	N_1800038436	constant_power_B	414.52	136.246	207.26	68.123
load	N_1800038436	constant_power_A_real	414.52	0.0	207.26	0.0
load	N_1800038436	constant_power_B_real	414.52	0.0	207.26	0.0
load	N_1800038436	constant_power_A_reac	136.246	0.0	68.123	0.0
load	N_1800038436	constant_power_B_reac	136.246	0.0	68.123	0.0
load	N_1800053482	constant_power_A	30100.3	18630.8	15050.15	9315.4
load	N_1800053482	constant_power_B	30100.3	18630.8	15050.15	9315.4
load	N_1800053482	constant_power_C	30100.3	18630.8	15050.15	9315.4
load	N_1800053482	constant_power_A_real	30100.3	0.0	15050.15	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053482	constant_power_B_real	30100.3	0.0	15050.15	0.0
load	N_1800053482	constant_power_C_real	30100.3	0.0	15050.15	0.0
load	N_1800053482	constant_power_A_reac	18630.8	0.0	9315.4	0.0
load	N_1800053482	constant_power_B_reac	18630.8	0.0	9315.4	0.0
load	N_1800053482	constant_power_C_reac	18630.8	0.0	9315.4	0.0
load	N_1800053528	constant_power_A	712.963	234.34	356.4815	117.17
load	N_1800053528	constant_power_B	712.963	234.34	356.4815	117.17
load	N_1800053528	constant_power_A_real	712.963	0.0	356.4815	0.0
load	N_1800053528	constant_power_B_real	712.963	0.0	356.4815	0.0
load	N_1800053528	constant_power_A_reac	234.34	0.0	117.17	0.0
load	N_1800053528	constant_power_B_reac	234.34	0.0	117.17	0.0
load	N_1800019732	constant_power_A	547.659	180.007	273.8295	90.0035
load	N_1800019732	constant_power_B	547.659	180.007	273.8295	90.0035
load	N_1800019732	constant_power_A_real	547.659	0.0	273.8295	0.0
load	N_1800019732	constant_power_B_real	547.659	0.0	273.8295	0.0
load	N_1800019732	constant_power_A_reac	180.007	0.0	90.0035	0.0
load	N_1800019732	constant_power_B_reac	180.007	0.0	90.0035	0.0
load	N_1800053697	constant_power_A	184.604	104.855	92.302	52.4275
load	N_1800053697	constant_power_B	184.604	104.855	92.302	52.4275
load	N_1800053697	constant_power_C	184.604	104.855	92.302	52.4275
load	N_1800053697	constant_power_A_real	184.604	0.0	92.302	0.0
load	N_1800053697	constant_power_B_real	184.604	0.0	92.302	0.0
load	N_1800053697	constant_power_C_real	184.604	0.0	92.302	0.0
load	N_1800053697	constant_power_A_reac	104.855	0.0	52.4275	0.0
load	N_1800053697	constant_power_B_reac	104.855	0.0	52.4275	0.0
load	N_1800053697	constant_power_C_reac	104.855	0.0	52.4275	0.0
load	N_1800054100	constant_power_A	763.31	250.888	381.655	125.444
load	N_1800054100	constant_power_B	763.31	250.888	381.655	125.444
load	N_1800054100	constant_power_A_real	763.31	0.0	381.655	0.0
load	N_1800054100	constant_power_B_real	763.31	0.0	381.655	0.0
load	N_1800054100	constant_power_A_reac	250.888	0.0	125.444	0.0
load	N_1800054100	constant_power_B_reac	250.888	0.0	125.444	0.0
load	N_1800042890	constant_power_A	783.169	265.079	391.5845	132.5395
load	N_1800042890	constant_power_B	783.169	265.079	391.5845	132.5395
load	N_1800042890	constant_power_A_real	783.169	0.0	391.5845	0.0
load	N_1800042890	constant_power_B_real	783.169	0.0	391.5845	0.0
load	N_1800042890	constant_power_A_reac	265.079	0.0	132.5395	0.0
load	N_1800042890	constant_power_B_reac	265.079	0.0	132.5395	0.0
load	N_1800037720	constant_power_A	1665.54	1032.21	832.77	516.105
load	N_1800037720	constant_power_B	1665.54	1032.21	832.77	516.105
load	N_1800037720	constant_power_C	1665.54	1032.21	832.77	516.105
load	N_1800037720	constant_power_A_real	1665.54	0.0	832.77	0.0
load	N_1800037720	constant_power_B_real	1665.54	0.0	832.77	0.0
load	N_1800037720	constant_power_C_real	1665.54	0.0	832.77	0.0
load	N_1800037720	constant_power_A_reac	1032.21	0.0	516.105	0.0
load	N_1800037720	constant_power_B_reac	1032.21	0.0	516.105	0.0
load	N_1800037720	constant_power_C_reac	1032.21	0.0	516.105	0.0
load	N_1800053498	constant_power_A	238.493	78.389	119.2465	39.1945
load	N_1800053498	constant_power_B	238.493	78.389	119.2465	39.1945
load	N_1800053498	constant_power_C	238.493	78.389	119.2465	39.1945
load	N_1800053498	constant_power_A_real	238.493	0.0	119.2465	0.0
load	N_1800053498	constant_power_B_real	238.493	0.0	119.2465	0.0
load	N_1800053498	constant_power_C_real	238.493	0.0	119.2465	0.0
load	N_1800053498	constant_power_A_reac	78.389	0.0	39.1945	0.0
load	N_1800053498	constant_power_B_reac	78.389	0.0	39.1945	0.0
load	N_1800053498	constant_power_C_reac	78.389	0.0	39.1945	0.0
load	N_1800053494	constant_power_A	101.626	33.9891	50.813	16.99455
load	N_1800053494	constant_power_B	101.626	33.9891	50.813	16.99455
load	N_1800053494	constant_power_C	101.626	33.9891	50.813	16.99455
load	N_1800053494	constant_power_A_real	101.626	0.0	50.813	0.0
load	N_1800053494	constant_power_B_real	101.626	0.0	50.813	0.0
load	N_1800053494	constant_power_C_real	101.626	0.0	50.813	0.0
load	N_1800053494	constant_power_A_reac	33.9891	0.0	16.99455	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053494	constant_power_B_reac	33.9891	0.0	16.99455	0.0
load	N_1800053494	constant_power_C_reac	33.9891	0.0	16.99455	0.0
load	N_1800053497	constant_power_A	286.416	94.1404	143.208	47.0702
load	N_1800053497	constant_power_B	286.416	94.1404	143.208	47.0702
load	N_1800053497	constant_power_C	286.416	94.1404	143.208	47.0702
load	N_1800053497	constant_power_A_real	286.416	0.0	143.208	0.0
load	N_1800053497	constant_power_B_real	286.416	0.0	143.208	0.0
load	N_1800053497	constant_power_C_real	286.416	0.0	143.208	0.0
load	N_1800053497	constant_power_A_reac	94.1404	0.0	47.0702	0.0
load	N_1800053497	constant_power_B_reac	94.1404	0.0	47.0702	0.0
load	N_1800053497	constant_power_C_reac	94.1404	0.0	47.0702	0.0
load	N_1800053496	constant_power_A	797.34	262.073	398.67	131.0365
load	N_1800053496	constant_power_B	797.34	262.073	398.67	131.0365
load	N_1800053496	constant_power_C	797.34	262.073	398.67	131.0365
load	N_1800053496	constant_power_A_real	797.34	0.0	398.67	0.0
load	N_1800053496	constant_power_B_real	797.34	0.0	398.67	0.0
load	N_1800053496	constant_power_C_real	797.34	0.0	398.67	0.0
load	N_1800053496	constant_power_A_reac	262.073	0.0	131.0365	0.0
load	N_1800053496	constant_power_B_reac	262.073	0.0	131.0365	0.0
load	N_1800053496	constant_power_C_reac	262.073	0.0	131.0365	0.0
load	N_1800003151	constant_power_A	41.769	13.7288	20.8845	6.8644
load	N_1800003151	constant_power_B	41.769	13.7288	20.8845	6.8644
load	N_1800003151	constant_power_C	41.769	13.7288	20.8845	6.8644
load	N_1800003151	constant_power_A_real	41.769	0.0	20.8845	0.0
load	N_1800003151	constant_power_B_real	41.769	0.0	20.8845	0.0
load	N_1800003151	constant_power_C_real	41.769	0.0	20.8845	0.0
load	N_1800003151	constant_power_A_reac	13.7288	0.0	6.8644	0.0
load	N_1800003151	constant_power_B_reac	13.7288	0.0	6.8644	0.0
load	N_1800003151	constant_power_C_reac	13.7288	0.0	6.8644	0.0
load	N_1800075595	constant_power_A	610.499	200.661	305.2495	100.3305
load	N_1800075595	constant_power_B	610.499	200.661	305.2495	100.3305
load	N_1800075595	constant_power_C	610.499	200.661	305.2495	100.3305
load	N_1800075595	constant_power_A_real	610.499	0.0	305.2495	0.0
load	N_1800075595	constant_power_B_real	610.499	0.0	305.2495	0.0
load	N_1800075595	constant_power_C_real	610.499	0.0	305.2495	0.0
load	N_1800075595	constant_power_A_reac	200.661	0.0	100.3305	0.0
load	N_1800075595	constant_power_B_reac	200.661	0.0	100.3305	0.0
load	N_1800075595	constant_power_C_reac	200.661	0.0	100.3305	0.0
load	N_1800029362	constant_power_A	692.545	235.733	346.2725	117.8665
load	N_1800029362	constant_power_B	692.545	235.733	346.2725	117.8665
load	N_1800029362	constant_power_A_real	692.545	0.0	346.2725	0.0
load	N_1800029362	constant_power_B_real	692.545	0.0	346.2725	0.0
load	N_1800029362	constant_power_A_reac	235.733	0.0	117.8665	0.0
load	N_1800029362	constant_power_B_reac	235.733	0.0	117.8665	0.0
load	N_1800043881	constant_power_A	158.591	66.261	79.2955	33.1305
load	N_1800043881	constant_power_B	158.591	66.261	79.2955	33.1305
load	N_1800043881	constant_power_A_real	158.591	0.0	79.2955	0.0
load	N_1800043881	constant_power_B_real	158.591	0.0	79.2955	0.0
load	N_1800043881	constant_power_A_reac	66.261	0.0	33.1305	0.0
load	N_1800043881	constant_power_B_reac	66.261	0.0	33.1305	0.0
load	N_1800007228	constant_power_A	50000.0	30987.2	25000.0	15493.6
load	N_1800007228	constant_power_B	50000.0	30987.2	25000.0	15493.6
load	N_1800007228	constant_power_C	50000.0	30987.2	25000.0	15493.6
load	N_1800007228	constant_power_A_real	50000.0	0.0	25000.0	0.0
load	N_1800007228	constant_power_B_real	50000.0	0.0	25000.0	0.0
load	N_1800007228	constant_power_C_real	50000.0	0.0	25000.0	0.0
load	N_1800007228	constant_power_A_reac	30987.2	0.0	15493.6	0.0
load	N_1800007228	constant_power_B_reac	30987.2	0.0	15493.6	0.0
load	N_1800007228	constant_power_C_reac	30987.2	0.0	15493.6	0.0
load	N_1800003159	constant_power_A	105.914	54.4963	52.957	27.24815
load	N_1800003159	constant_power_B	105.914	54.4963	52.957	27.24815
load	N_1800003159	constant_power_C	105.914	54.4963	52.957	27.24815
load	N_1800003159	constant_power_A_real	105.914	0.0	52.957	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800003159	constant_power_B_real	105.914	0.0	52.957	0.0
load	N_1800003159	constant_power_C_real	105.914	0.0	52.957	0.0
load	N_1800003159	constant_power_A_reac	54.4963	0.0	27.24815	0.0
load	N_1800003159	constant_power_B_reac	54.4963	0.0	27.24815	0.0
load	N_1800003159	constant_power_C_reac	54.4963	0.0	27.24815	0.0
load	N_1800029350	constant_power_A	139.106	45.7218	69.553	22.8609
load	N_1800029350	constant_power_B	139.106	45.7218	69.553	22.8609
load	N_1800029350	constant_power_C	139.106	45.7218	69.553	22.8609
load	N_1800029350	constant_power_A_real	139.106	0.0	69.553	0.0
load	N_1800029350	constant_power_B_real	139.106	0.0	69.553	0.0
load	N_1800029350	constant_power_C_real	139.106	0.0	69.553	0.0
load	N_1800029350	constant_power_A_reac	45.7218	0.0	22.8609	0.0
load	N_1800029350	constant_power_B_reac	45.7218	0.0	22.8609	0.0
load	N_1800029350	constant_power_C_reac	45.7218	0.0	22.8609	0.0
load	N_1800207559	constant_power_A	289.213	95.0597	144.6065	47.52985
load	N_1800207559	constant_power_B	289.213	95.0597	144.6065	47.52985
load	N_1800207559	constant_power_C	289.213	95.0597	144.6065	47.52985
load	N_1800207559	constant_power_A_real	289.213	0.0	144.6065	0.0
load	N_1800207559	constant_power_B_real	289.213	0.0	144.6065	0.0
load	N_1800207559	constant_power_C_real	289.213	0.0	144.6065	0.0
load	N_1800207559	constant_power_A_reac	95.0597	0.0	47.52985	0.0
load	N_1800207559	constant_power_B_reac	95.0597	0.0	47.52985	0.0
load	N_1800207559	constant_power_C_reac	95.0597	0.0	47.52985	0.0
load	N_1800006695	constant_power_A	594.649	368.53	297.3245	184.265
load	N_1800006695	constant_power_B	594.649	368.53	297.3245	184.265
load	N_1800006695	constant_power_C	594.649	368.53	297.3245	184.265
load	N_1800006695	constant_power_A_real	594.649	0.0	297.3245	0.0
load	N_1800006695	constant_power_B_real	594.649	0.0	297.3245	0.0
load	N_1800006695	constant_power_C_real	594.649	0.0	297.3245	0.0
load	N_1800006695	constant_power_A_reac	368.53	0.0	184.265	0.0
load	N_1800006695	constant_power_B_reac	368.53	0.0	184.265	0.0
load	N_1800006695	constant_power_C_reac	368.53	0.0	184.265	0.0
load	N_1800053525	constant_power_A	683.594	230.843	341.797	115.4215
load	N_1800053525	constant_power_B	683.594	230.843	341.797	115.4215
load	N_1800053525	constant_power_A_real	683.594	0.0	341.797	0.0
load	N_1800053525	constant_power_B_real	683.594	0.0	341.797	0.0
load	N_1800053525	constant_power_A_reac	230.843	0.0	115.4215	0.0
load	N_1800053525	constant_power_B_reac	230.843	0.0	115.4215	0.0
load	N_1800006697	constant_power_A	75.8927	25.0533	37.94635	12.52665
load	N_1800006697	constant_power_B	75.8927	25.0533	37.94635	12.52665
load	N_1800006697	constant_power_C	75.8927	25.0533	37.94635	12.52665
load	N_1800006697	constant_power_A_real	75.8927	0.0	37.94635	0.0
load	N_1800006697	constant_power_B_real	75.8927	0.0	37.94635	0.0
load	N_1800006697	constant_power_C_real	75.8927	0.0	37.94635	0.0
load	N_1800006697	constant_power_A_reac	25.0533	0.0	12.52665	0.0
load	N_1800006697	constant_power_B_reac	25.0533	0.0	12.52665	0.0
load	N_1800006697	constant_power_C_reac	25.0533	0.0	12.52665	0.0
load	N_1800080039	constant_power_A	631.849	207.679	315.9245	103.8395
load	N_1800080039	constant_power_B	631.849	207.679	315.9245	103.8395
load	N_1800080039	constant_power_A_real	631.849	0.0	315.9245	0.0
load	N_1800080039	constant_power_B_real	631.849	0.0	315.9245	0.0
load	N_1800080039	constant_power_A_reac	207.679	0.0	103.8395	0.0
load	N_1800080039	constant_power_B_reac	207.679	0.0	103.8395	0.0
load	N_1800026767	constant_power_A	54.262	17.8351	27.131	8.91755
load	N_1800026767	constant_power_B	54.262	17.8351	27.131	8.91755
load	N_1800026767	constant_power_A_real	54.262	0.0	27.131	0.0
load	N_1800026767	constant_power_B_real	54.262	0.0	27.131	0.0
load	N_1800026767	constant_power_A_reac	17.8351	0.0	8.91755	0.0
load	N_1800026767	constant_power_B_reac	17.8351	0.0	8.91755	0.0
load	N_1800031218	constant_power_A	512.975	178.47	256.4875	89.235
load	N_1800031218	constant_power_B	512.975	178.47	256.4875	89.235
load	N_1800031218	constant_power_A_real	512.975	0.0	256.4875	0.0
load	N_1800031218	constant_power_B_real	512.975	0.0	256.4875	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031218	constant_power_A_reac	178.47	0.0	89.235	0.0
load	N_1800031218	constant_power_B_reac	178.47	0.0	89.235	0.0
load	N_1800054036	constant_power_A	531.436	174.675	265.718	87.3375
load	N_1800054036	constant_power_B	531.436	174.675	265.718	87.3375
load	N_1800054036	constant_power_A_real	531.436	0.0	265.718	0.0
load	N_1800054036	constant_power_B_real	531.436	0.0	265.718	0.0
load	N_1800054036	constant_power_A_reac	174.675	0.0	87.3375	0.0
load	N_1800054036	constant_power_B_reac	174.675	0.0	87.3375	0.0
load	N_1800195786	constant_power_A	10450.8	6424.69	5225.4	3212.345
load	N_1800195786	constant_power_B	10450.8	6424.69	5225.4	3212.345
load	N_1800195786	constant_power_C	10450.8	6424.69	5225.4	3212.345
load	N_1800195786	constant_power_A_real	10450.8	0.0	5225.4	0.0
load	N_1800195786	constant_power_B_real	10450.8	0.0	5225.4	0.0
load	N_1800195786	constant_power_C_real	10450.8	0.0	5225.4	0.0
load	N_1800195786	constant_power_A_reac	6424.69	0.0	3212.345	0.0
load	N_1800195786	constant_power_B_reac	6424.69	0.0	3212.345	0.0
load	N_1800195786	constant_power_C_reac	6424.69	0.0	3212.345	0.0
load	N_1800054212	constant_power_A	280.076	92.0565	140.038	46.02825
load	N_1800054212	constant_power_B	280.076	92.0565	140.038	46.02825
load	N_1800054212	constant_power_C	280.076	92.0565	140.038	46.02825
load	N_1800054212	constant_power_A_real	280.076	0.0	140.038	0.0
load	N_1800054212	constant_power_B_real	280.076	0.0	140.038	0.0
load	N_1800054212	constant_power_C_real	280.076	0.0	140.038	0.0
load	N_1800054212	constant_power_A_reac	92.0565	0.0	46.02825	0.0
load	N_1800054212	constant_power_B_reac	92.0565	0.0	46.02825	0.0
load	N_1800054212	constant_power_C_reac	92.0565	0.0	46.02825	0.0
load	N_1800054211	constant_power_A	418.436	137.533	209.218	68.7665
load	N_1800054211	constant_power_B	418.436	137.533	209.218	68.7665
load	N_1800054211	constant_power_A_real	418.436	0.0	209.218	0.0
load	N_1800054211	constant_power_B_real	418.436	0.0	209.218	0.0
load	N_1800054211	constant_power_A_reac	137.533	0.0	68.7665	0.0
load	N_1800054211	constant_power_B_reac	137.533	0.0	68.7665	0.0
load	N_1800054217	constant_power_A	266.091	114.934	133.0455	57.467
load	N_1800054217	constant_power_B	266.091	114.934	133.0455	57.467
load	N_1800054217	constant_power_C	266.091	114.934	133.0455	57.467
load	N_1800054217	constant_power_A_real	266.091	0.0	133.0455	0.0
load	N_1800054217	constant_power_B_real	266.091	0.0	133.0455	0.0
load	N_1800054217	constant_power_C_real	266.091	0.0	133.0455	0.0
load	N_1800054217	constant_power_A_reac	114.934	0.0	57.467	0.0
load	N_1800054217	constant_power_B_reac	114.934	0.0	57.467	0.0
load	N_1800054217	constant_power_C_reac	114.934	0.0	57.467	0.0
load	N_1800018327	constant_power_A	1137.83	629.95	568.915	314.975
load	N_1800018327	constant_power_B	1137.83	629.95	568.915	314.975
load	N_1800018327	constant_power_C	1137.83	629.95	568.915	314.975
load	N_1800018327	constant_power_A_real	1137.83	0.0	568.915	0.0
load	N_1800018327	constant_power_B_real	1137.83	0.0	568.915	0.0
load	N_1800018327	constant_power_C_real	1137.83	0.0	568.915	0.0
load	N_1800018327	constant_power_A_reac	629.95	0.0	314.975	0.0
load	N_1800018327	constant_power_B_reac	629.95	0.0	314.975	0.0
load	N_1800018327	constant_power_C_reac	629.95	0.0	314.975	0.0
load	N_1800053460	constant_power_A	241.104	79.2471	120.552	39.62355
load	N_1800053460	constant_power_B	241.104	79.2471	120.552	39.62355
load	N_1800053460	constant_power_A_real	241.104	0.0	120.552	0.0
load	N_1800053460	constant_power_B_real	241.104	0.0	120.552	0.0
load	N_1800053460	constant_power_A_reac	79.2471	0.0	39.62355	0.0
load	N_1800053460	constant_power_B_reac	79.2471	0.0	39.62355	0.0
load	N_1800053461	constant_power_A	258.166	84.8551	129.083	42.42755
load	N_1800053461	constant_power_B	258.166	84.8551	129.083	42.42755
load	N_1800053461	constant_power_A_real	258.166	0.0	129.083	0.0
load	N_1800053461	constant_power_B_real	258.166	0.0	129.083	0.0
load	N_1800053461	constant_power_A_reac	84.8551	0.0	42.42755	0.0
load	N_1800053461	constant_power_B_reac	84.8551	0.0	42.42755	0.0
load	N_1800053462	constant_power_A	487.243	162.034	243.6215	81.017

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053462	constant_power_B	487.243	162.034	243.6215	81.017
load	N_1800053462	constant_power_A_real	487.243	0.0	243.6215	0.0
load	N_1800053462	constant_power_B_real	487.243	0.0	243.6215	0.0
load	N_1800053462	constant_power_A_reac	162.034	0.0	81.017	0.0
load	N_1800053462	constant_power_B_reac	162.034	0.0	81.017	0.0
load	N_1800053463	constant_power_A	521.646	171.457	260.823	85.7285
load	N_1800053463	constant_power_B	521.646	171.457	260.823	85.7285
load	N_1800053463	constant_power_A_real	521.646	0.0	260.823	0.0
load	N_1800053463	constant_power_B_real	521.646	0.0	260.823	0.0
load	N_1800053463	constant_power_A_reac	171.457	0.0	85.7285	0.0
load	N_1800053463	constant_power_B_reac	171.457	0.0	85.7285	0.0
load	N_1800053465	constant_power_A	238.493	131.954	119.2465	65.977
load	N_1800053465	constant_power_B	238.493	131.954	119.2465	65.977
load	N_1800053465	constant_power_C	238.493	131.954	119.2465	65.977
load	N_1800053465	constant_power_A_real	238.493	0.0	119.2465	0.0
load	N_1800053465	constant_power_B_real	238.493	0.0	119.2465	0.0
load	N_1800053465	constant_power_C_real	238.493	0.0	119.2465	0.0
load	N_1800053465	constant_power_A_reac	131.954	0.0	65.977	0.0
load	N_1800053465	constant_power_B_reac	131.954	0.0	65.977	0.0
load	N_1800053465	constant_power_C_reac	131.954	0.0	65.977	0.0
load	N_1800053548	constant_power_A	8.764	4.84898	4.382	2.42449
load	N_1800053548	constant_power_B	8.764	4.84898	4.382	2.42449
load	N_1800053548	constant_power_C	8.764	4.84898	4.382	2.42449
load	N_1800053548	constant_power_A_real	8.764	0.0	4.382	0.0
load	N_1800053548	constant_power_B_real	8.764	0.0	4.382	0.0
load	N_1800053548	constant_power_C_real	8.764	0.0	4.382	0.0
load	N_1800053548	constant_power_A_reac	4.84898	0.0	2.42449	0.0
load	N_1800053548	constant_power_B_reac	4.84898	0.0	2.42449	0.0
load	N_1800053548	constant_power_C_reac	4.84898	0.0	2.42449	0.0
load	N_1800053468	constant_power_A	158.126	87.4883	79.063	43.74415
load	N_1800053468	constant_power_B	158.126	87.4883	79.063	43.74415
load	N_1800053468	constant_power_C	158.126	87.4883	79.063	43.74415
load	N_1800053468	constant_power_A_real	158.126	0.0	79.063	0.0
load	N_1800053468	constant_power_B_real	158.126	0.0	79.063	0.0
load	N_1800053468	constant_power_C_real	158.126	0.0	79.063	0.0
load	N_1800053468	constant_power_A_reac	87.4883	0.0	43.74415	0.0
load	N_1800053468	constant_power_B_reac	87.4883	0.0	43.74415	0.0
load	N_1800053468	constant_power_C_reac	87.4883	0.0	43.74415	0.0
load	N_1800053546	constant_power_A	13.985	7.73767	6.9925	3.868835
load	N_1800053546	constant_power_B	13.985	7.73767	6.9925	3.868835
load	N_1800053546	constant_power_A_real	13.985	0.0	6.9925	0.0
load	N_1800053546	constant_power_B_real	13.985	0.0	6.9925	0.0
load	N_1800053546	constant_power_A_reac	7.73767	0.0	3.868835	0.0
load	N_1800053546	constant_power_B_reac	7.73767	0.0	3.868835	0.0
load	N_1800036214	constant_power_A	233.273	97.9485	116.6365	48.97425
load	N_1800036214	constant_power_B	233.273	97.9485	116.6365	48.97425
load	N_1800036214	constant_power_C	233.273	97.9485	116.6365	48.97425
load	N_1800036214	constant_power_A_real	233.273	0.0	116.6365	0.0
load	N_1800036214	constant_power_B_real	233.273	0.0	116.6365	0.0
load	N_1800036214	constant_power_C_real	233.273	0.0	116.6365	0.0
load	N_1800036214	constant_power_A_reac	97.9485	0.0	48.97425	0.0
load	N_1800036214	constant_power_B_reac	97.9485	0.0	48.97425	0.0
load	N_1800036214	constant_power_C_reac	97.9485	0.0	48.97425	0.0
load	N_1800036215	constant_power_A	74.5877	31.1748	37.29385	15.5874
load	N_1800036215	constant_power_B	74.5877	31.1748	37.29385	15.5874
load	N_1800036215	constant_power_C	74.5877	31.1748	37.29385	15.5874
load	N_1800036215	constant_power_A_real	74.5877	0.0	37.29385	0.0
load	N_1800036215	constant_power_B_real	74.5877	0.0	37.29385	0.0
load	N_1800036215	constant_power_C_real	74.5877	0.0	37.29385	0.0
load	N_1800036215	constant_power_A_reac	31.1748	0.0	15.5874	0.0
load	N_1800036215	constant_power_B_reac	31.1748	0.0	15.5874	0.0
load	N_1800036215	constant_power_C_reac	31.1748	0.0	15.5874	0.0
load	N_1800006654	constant_power_A	233.459	76.7343	116.7295	38.36715

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800006654	constant_power_B	233.459	76.7343	116.7295	38.36715
load	N_1800006654	constant_power_C	233.459	76.7343	116.7295	38.36715
load	N_1800006654	constant_power_A_real	233.459	0.0	116.7295	0.0
load	N_1800006654	constant_power_B_real	233.459	0.0	116.7295	0.0
load	N_1800006654	constant_power_C_real	233.459	0.0	116.7295	0.0
load	N_1800006654	constant_power_A_reac	76.7343	0.0	38.36715	0.0
load	N_1800006654	constant_power_B_reac	76.7343	0.0	38.36715	0.0
load	N_1800006654	constant_power_C_reac	76.7343	0.0	38.36715	0.0
load	N_1800034719	constant_power_A	163.533	53.7507	81.7665	26.87535
load	N_1800034719	constant_power_B	163.533	53.7507	81.7665	26.87535
load	N_1800034719	constant_power_C	163.533	53.7507	81.7665	26.87535
load	N_1800034719	constant_power_A_real	163.533	0.0	81.7665	0.0
load	N_1800034719	constant_power_B_real	163.533	0.0	81.7665	0.0
load	N_1800034719	constant_power_C_real	163.533	0.0	81.7665	0.0
load	N_1800034719	constant_power_A_reac	53.7507	0.0	26.87535	0.0
load	N_1800034719	constant_power_B_reac	53.7507	0.0	26.87535	0.0
load	N_1800034719	constant_power_C_reac	53.7507	0.0	26.87535	0.0
load	N_1800034718	constant_power_A	9.32333	3.06443	4.661665	1.532215
load	N_1800034718	constant_power_B	9.32333	3.06443	4.661665	1.532215
load	N_1800034718	constant_power_C	9.32333	3.06443	4.661665	1.532215
load	N_1800034718	constant_power_A_real	9.32333	0.0	4.661665	0.0
load	N_1800034718	constant_power_B_real	9.32333	0.0	4.661665	0.0
load	N_1800034718	constant_power_C_real	9.32333	0.0	4.661665	0.0
load	N_1800034718	constant_power_A_reac	3.06443	0.0	1.532215	0.0
load	N_1800034718	constant_power_B_reac	3.06443	0.0	1.532215	0.0
load	N_1800034718	constant_power_C_reac	3.06443	0.0	1.532215	0.0
load	N_1800054108	constant_power_A	290.611	95.5192	145.3055	47.7596
load	N_1800054108	constant_power_B	290.611	95.5192	145.3055	47.7596
load	N_1800054108	constant_power_A_real	290.611	0.0	145.3055	0.0
load	N_1800054108	constant_power_B_real	290.611	0.0	145.3055	0.0
load	N_1800054108	constant_power_A_reac	95.5192	0.0	47.7596	0.0
load	N_1800054108	constant_power_B_reac	95.5192	0.0	47.7596	0.0
load	N_1800054109	constant_power_A	23895.9	14775.1	11947.95	7387.55
load	N_1800054109	constant_power_B	23895.9	14775.1	11947.95	7387.55
load	N_1800054109	constant_power_C	23895.9	14775.1	11947.95	7387.55
load	N_1800054109	constant_power_A_real	23895.9	0.0	11947.95	0.0
load	N_1800054109	constant_power_B_real	23895.9	0.0	11947.95	0.0
load	N_1800054109	constant_power_C_real	23895.9	0.0	11947.95	0.0
load	N_1800054109	constant_power_A_reac	14775.1	0.0	7387.55	0.0
load	N_1800054109	constant_power_B_reac	14775.1	0.0	7387.55	0.0
load	N_1800054109	constant_power_C_reac	14775.1	0.0	7387.55	0.0
load	N_1800054107	constant_power_A	664.575	218.435	332.2875	109.2175
load	N_1800054107	constant_power_B	664.575	218.435	332.2875	109.2175
load	N_1800054107	constant_power_A_real	664.575	0.0	332.2875	0.0
load	N_1800054107	constant_power_B_real	664.575	0.0	332.2875	0.0
load	N_1800054107	constant_power_A_reac	218.435	0.0	109.2175	0.0
load	N_1800054107	constant_power_B_reac	218.435	0.0	109.2175	0.0
load	N_1800054104	constant_power_A	557.728	183.316	278.864	91.658
load	N_1800054104	constant_power_B	557.728	183.316	278.864	91.658
load	N_1800054104	constant_power_A_real	557.728	0.0	278.864	0.0
load	N_1800054104	constant_power_B_real	557.728	0.0	278.864	0.0
load	N_1800054104	constant_power_A_reac	183.316	0.0	91.658	0.0
load	N_1800054104	constant_power_B_reac	183.316	0.0	91.658	0.0
load	N_1800054102	constant_power_A	793.518	260.817	396.759	130.4085
load	N_1800054102	constant_power_B	793.518	260.817	396.759	130.4085
load	N_1800054102	constant_power_A_real	793.518	0.0	396.759	0.0
load	N_1800054102	constant_power_B_real	793.518	0.0	396.759	0.0
load	N_1800054102	constant_power_A_reac	260.817	0.0	130.4085	0.0
load	N_1800054102	constant_power_B_reac	260.817	0.0	130.4085	0.0
load	N_1800034717	constant_power_A	129.036	42.4122	64.518	21.2061
load	N_1800034717	constant_power_B	129.036	42.4122	64.518	21.2061
load	N_1800034717	constant_power_C	129.036	42.4122	64.518	21.2061
load	N_1800034717	constant_power_A_real	129.036	0.0	64.518	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034717	constant_power_B_real	129.036	0.0	64.518	0.0
load	N_1800034717	constant_power_C_real	129.036	0.0	64.518	0.0
load	N_1800034717	constant_power_A_reac	42.4122	0.0	21.2061	0.0
load	N_1800034717	constant_power_B_reac	42.4122	0.0	21.2061	0.0
load	N_1800034717	constant_power_C_reac	42.4122	0.0	21.2061	0.0
load	N_1800054101	constant_power_A	1138.11	374.079	569.055	187.0395
load	N_1800054101	constant_power_B	1138.11	374.079	569.055	187.0395
load	N_1800054101	constant_power_A_real	1138.11	0.0	569.055	0.0
load	N_1800054101	constant_power_B_real	1138.11	0.0	569.055	0.0
load	N_1800054101	constant_power_A_reac	374.079	0.0	187.0395	0.0
load	N_1800054101	constant_power_B_reac	374.079	0.0	187.0395	0.0
load	N_1800031687	constant_power_A	349.815	114.979	174.9075	57.4895
load	N_1800031687	constant_power_B	349.815	114.979	174.9075	57.4895
load	N_1800031687	constant_power_C	349.815	114.979	174.9075	57.4895
load	N_1800031687	constant_power_A_real	349.815	0.0	174.9075	0.0
load	N_1800031687	constant_power_B_real	349.815	0.0	174.9075	0.0
load	N_1800031687	constant_power_C_real	349.815	0.0	174.9075	0.0
load	N_1800031687	constant_power_A_reac	114.979	0.0	57.4895	0.0
load	N_1800031687	constant_power_B_reac	114.979	0.0	57.4895	0.0
load	N_1800031687	constant_power_C_reac	114.979	0.0	57.4895	0.0
load	N_1800004064	constant_power_A	23333.3	12909.9	11666.65	6454.95
load	N_1800004064	constant_power_B	23333.3	12909.9	11666.65	6454.95
load	N_1800004064	constant_power_C	23333.3	12909.9	11666.65	6454.95
load	N_1800004064	constant_power_A_real	23333.3	0.0	11666.65	0.0
load	N_1800004064	constant_power_B_real	23333.3	0.0	11666.65	0.0
load	N_1800004064	constant_power_C_real	23333.3	0.0	11666.65	0.0
load	N_1800004064	constant_power_A_reac	12909.9	0.0	6454.95	0.0
load	N_1800004064	constant_power_B_reac	12909.9	0.0	6454.95	0.0
load	N_1800004064	constant_power_C_reac	12909.9	0.0	6454.95	0.0
load	N_1800031688	constant_power_A	79.4357	43.9504	39.71785	21.9752
load	N_1800031688	constant_power_B	79.4357	43.9504	39.71785	21.9752
load	N_1800031688	constant_power_C	79.4357	43.9504	39.71785	21.9752
load	N_1800031688	constant_power_A_real	79.4357	0.0	39.71785	0.0
load	N_1800031688	constant_power_B_real	79.4357	0.0	39.71785	0.0
load	N_1800031688	constant_power_C_real	79.4357	0.0	39.71785	0.0
load	N_1800031688	constant_power_A_reac	43.9504	0.0	21.9752	0.0
load	N_1800031688	constant_power_B_reac	43.9504	0.0	21.9752	0.0
load	N_1800031688	constant_power_C_reac	43.9504	0.0	21.9752	0.0
load	N_1800053728	constant_power_A	127.358	41.8606	63.679	20.9303
load	N_1800053728	constant_power_B	127.358	41.8606	63.679	20.9303
load	N_1800053728	constant_power_C	127.358	41.8606	63.679	20.9303
load	N_1800053728	constant_power_A_real	127.358	0.0	63.679	0.0
load	N_1800053728	constant_power_B_real	127.358	0.0	63.679	0.0
load	N_1800053728	constant_power_C_real	127.358	0.0	63.679	0.0
load	N_1800053728	constant_power_A_reac	41.8606	0.0	20.9303	0.0
load	N_1800053728	constant_power_B_reac	41.8606	0.0	20.9303	0.0
load	N_1800053728	constant_power_C_reac	41.8606	0.0	20.9303	0.0
load	N_1800053723	constant_power_A	137.055	67.6214	68.5275	33.8107
load	N_1800053723	constant_power_B	137.055	67.6214	68.5275	33.8107
load	N_1800053723	constant_power_C	137.055	67.6214	68.5275	33.8107
load	N_1800053723	constant_power_A_real	137.055	0.0	68.5275	0.0
load	N_1800053723	constant_power_B_real	137.055	0.0	68.5275	0.0
load	N_1800053723	constant_power_C_real	137.055	0.0	68.5275	0.0
load	N_1800053723	constant_power_A_reac	67.6214	0.0	33.8107	0.0
load	N_1800053723	constant_power_B_reac	67.6214	0.0	33.8107	0.0
load	N_1800053723	constant_power_C_reac	67.6214	0.0	33.8107	0.0
load	N_1800053722	constant_power_A	20.325	11.2455	10.1625	5.62275
load	N_1800053722	constant_power_B	20.325	11.2455	10.1625	5.62275
load	N_1800053722	constant_power_C	20.325	11.2455	10.1625	5.62275
load	N_1800053722	constant_power_A_real	20.325	0.0	10.1625	0.0
load	N_1800053722	constant_power_B_real	20.325	0.0	10.1625	0.0
load	N_1800053722	constant_power_C_real	20.325	0.0	10.1625	0.0
load	N_1800053722	constant_power_A_reac	11.2455	0.0	5.62275	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053722	constant_power_B_reac	11.2455	0.0	5.62275	0.0
load	N_1800053722	constant_power_C_reac	11.2455	0.0	5.62275	0.0
load	N_1800053721	constant_power_A	20.698	12.8275	10.349	6.41375
load	N_1800053721	constant_power_B	20.698	12.8275	10.349	6.41375
load	N_1800053721	constant_power_C	20.698	12.8275	10.349	6.41375
load	N_1800053721	constant_power_A_real	20.698	0.0	10.349	0.0
load	N_1800053721	constant_power_B_real	20.698	0.0	10.349	0.0
load	N_1800053721	constant_power_C_real	20.698	0.0	10.349	0.0
load	N_1800053721	constant_power_A_reac	12.8275	0.0	6.41375	0.0
load	N_1800053721	constant_power_B_reac	12.8275	0.0	6.41375	0.0
load	N_1800053721	constant_power_C_reac	12.8275	0.0	6.41375	0.0
load	N_1800053720	constant_power_A	504.584	268.122	252.292	134.061
load	N_1800053720	constant_power_B	504.584	268.122	252.292	134.061
load	N_1800053720	constant_power_C	504.584	268.122	252.292	134.061
load	N_1800053720	constant_power_A_real	504.584	0.0	252.292	0.0
load	N_1800053720	constant_power_B_real	504.584	0.0	252.292	0.0
load	N_1800053720	constant_power_C_real	504.584	0.0	252.292	0.0
load	N_1800053720	constant_power_A_reac	268.122	0.0	134.061	0.0
load	N_1800053720	constant_power_B_reac	268.122	0.0	134.061	0.0
load	N_1800053720	constant_power_C_reac	268.122	0.0	134.061	0.0
load	N_1800019123	constant_power_A	451.627	245.732	225.8135	122.866
load	N_1800019123	constant_power_B	451.627	245.732	225.8135	122.866
load	N_1800019123	constant_power_C	451.627	245.732	225.8135	122.866
load	N_1800019123	constant_power_A_real	451.627	0.0	225.8135	0.0
load	N_1800019123	constant_power_B_real	451.627	0.0	225.8135	0.0
load	N_1800019123	constant_power_C_real	451.627	0.0	225.8135	0.0
load	N_1800019123	constant_power_A_reac	245.732	0.0	122.866	0.0
load	N_1800019123	constant_power_B_reac	245.732	0.0	122.866	0.0
load	N_1800019123	constant_power_C_reac	245.732	0.0	122.866	0.0
load	N_1800053726	constant_power_A	674.084	225.707	337.042	112.8535
load	N_1800053726	constant_power_B	674.084	225.707	337.042	112.8535
load	N_1800053726	constant_power_C	674.084	225.707	337.042	112.8535
load	N_1800053726	constant_power_A_real	674.084	0.0	337.042	0.0
load	N_1800053726	constant_power_B_real	674.084	0.0	337.042	0.0
load	N_1800053726	constant_power_C_real	674.084	0.0	337.042	0.0
load	N_1800053726	constant_power_A_reac	225.707	0.0	112.8535	0.0
load	N_1800053726	constant_power_B_reac	225.707	0.0	112.8535	0.0
load	N_1800053726	constant_power_C_reac	225.707	0.0	112.8535	0.0
load	N_1800053725	constant_power_A	149.361	49.0927	74.6805	24.54635
load	N_1800053725	constant_power_B	149.361	49.0927	74.6805	24.54635
load	N_1800053725	constant_power_C	149.361	49.0927	74.6805	24.54635
load	N_1800053725	constant_power_A_real	149.361	0.0	74.6805	0.0
load	N_1800053725	constant_power_B_real	149.361	0.0	74.6805	0.0
load	N_1800053725	constant_power_C_real	149.361	0.0	74.6805	0.0
load	N_1800053725	constant_power_A_reac	49.0927	0.0	24.54635	0.0
load	N_1800053725	constant_power_B_reac	49.0927	0.0	24.54635	0.0
load	N_1800053725	constant_power_C_reac	49.0927	0.0	24.54635	0.0
load	N_1800053724	constant_power_A	44.193	14.5255	22.0965	7.26275
load	N_1800053724	constant_power_B	44.193	14.5255	22.0965	7.26275
load	N_1800053724	constant_power_A_real	44.193	0.0	22.0965	0.0
load	N_1800053724	constant_power_B_real	44.193	0.0	22.0965	0.0
load	N_1800053724	constant_power_A_reac	14.5255	0.0	7.26275	0.0
load	N_1800053724	constant_power_B_reac	14.5255	0.0	7.26275	0.0
load	N_1800053727	constant_power_A	372.192	122.333	186.096	61.1665
load	N_1800053727	constant_power_B	372.192	122.333	186.096	61.1665
load	N_1800053727	constant_power_C	372.192	122.333	186.096	61.1665
load	N_1800053727	constant_power_A_real	372.192	0.0	186.096	0.0
load	N_1800053727	constant_power_B_real	372.192	0.0	186.096	0.0
load	N_1800053727	constant_power_C_real	372.192	0.0	186.096	0.0
load	N_1800053727	constant_power_A_reac	122.333	0.0	61.1665	0.0
load	N_1800053727	constant_power_B_reac	122.333	0.0	61.1665	0.0
load	N_1800053727	constant_power_C_reac	122.333	0.0	61.1665	0.0
load	N_1800031040	constant_power_A	383.939	126.195	191.9695	63.0975

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031040	constant_power_B	383.939	126.195	191.9695	63.0975
load	N_1800031040	constant_power_C	383.939	126.195	191.9695	63.0975
load	N_1800031040	constant_power_A_real	383.939	0.0	191.9695	0.0
load	N_1800031040	constant_power_B_real	383.939	0.0	191.9695	0.0
load	N_1800031040	constant_power_C_real	383.939	0.0	191.9695	0.0
load	N_1800031040	constant_power_A_reac	126.195	0.0	63.0975	0.0
load	N_1800031040	constant_power_B_reac	126.195	0.0	63.0975	0.0
load	N_1800031040	constant_power_C_reac	126.195	0.0	63.0975	0.0
load	N_1800075565	constant_power_A	51.279	28.3718	25.6395	14.1859
load	N_1800075565	constant_power_B	51.279	28.3718	25.6395	14.1859
load	N_1800075565	constant_power_C	51.279	28.3718	25.6395	14.1859
load	N_1800075565	constant_power_A_real	51.279	0.0	25.6395	0.0
load	N_1800075565	constant_power_B_real	51.279	0.0	25.6395	0.0
load	N_1800075565	constant_power_C_real	51.279	0.0	25.6395	0.0
load	N_1800075565	constant_power_A_reac	28.3718	0.0	14.1859	0.0
load	N_1800075565	constant_power_B_reac	28.3718	0.0	14.1859	0.0
load	N_1800075565	constant_power_C_reac	28.3718	0.0	14.1859	0.0
load	N_1800027887	constant_power_A	64.7047	31.5794	32.35235	15.7897
load	N_1800027887	constant_power_B	64.7047	31.5794	32.35235	15.7897
load	N_1800027887	constant_power_C	64.7047	31.5794	32.35235	15.7897
load	N_1800027887	constant_power_A_real	64.7047	0.0	32.35235	0.0
load	N_1800027887	constant_power_B_real	64.7047	0.0	32.35235	0.0
load	N_1800027887	constant_power_C_real	64.7047	0.0	32.35235	0.0
load	N_1800027887	constant_power_A_reac	31.5794	0.0	15.7897	0.0
load	N_1800027887	constant_power_B_reac	31.5794	0.0	15.7897	0.0
load	N_1800027887	constant_power_C_reac	31.5794	0.0	15.7897	0.0
load	N_1800039416	constant_power_A	222.084	72.9955	111.042	36.49775
load	N_1800039416	constant_power_B	222.084	72.9955	111.042	36.49775
load	N_1800039416	constant_power_A_real	222.084	0.0	111.042	0.0
load	N_1800039416	constant_power_B_real	222.084	0.0	111.042	0.0
load	N_1800039416	constant_power_A_reac	72.9955	0.0	36.49775	0.0
load	N_1800039416	constant_power_B_reac	72.9955	0.0	36.49775	0.0
load	N_1800053656	constant_power_A	399.416	193.642	199.708	96.821
load	N_1800053656	constant_power_B	399.416	193.642	199.708	96.821
load	N_1800053656	constant_power_C	399.416	193.642	199.708	96.821
load	N_1800053656	constant_power_A_real	399.416	0.0	199.708	0.0
load	N_1800053656	constant_power_B_real	399.416	0.0	199.708	0.0
load	N_1800053656	constant_power_C_real	399.416	0.0	199.708	0.0
load	N_1800053656	constant_power_A_reac	193.642	0.0	96.821	0.0
load	N_1800053656	constant_power_B_reac	193.642	0.0	96.821	0.0
load	N_1800053656	constant_power_C_reac	193.642	0.0	96.821	0.0
load	N_1800053654	constant_power_A	898.779	329.756	449.3895	164.878
load	N_1800053654	constant_power_B	898.779	329.756	449.3895	164.878
load	N_1800053654	constant_power_C	898.779	329.756	449.3895	164.878
load	N_1800053654	constant_power_A_real	898.779	0.0	449.3895	0.0
load	N_1800053654	constant_power_B_real	898.779	0.0	449.3895	0.0
load	N_1800053654	constant_power_C_real	898.779	0.0	449.3895	0.0
load	N_1800053654	constant_power_A_reac	329.756	0.0	164.878	0.0
load	N_1800053654	constant_power_B_reac	329.756	0.0	164.878	0.0
load	N_1800053654	constant_power_C_reac	329.756	0.0	164.878	0.0
load	N_1800053653	constant_power_A	371.073	122.678	185.5365	61.339
load	N_1800053653	constant_power_B	371.073	122.678	185.5365	61.339
load	N_1800053653	constant_power_C	371.073	122.678	185.5365	61.339
load	N_1800053653	constant_power_A_real	371.073	0.0	185.5365	0.0
load	N_1800053653	constant_power_B_real	371.073	0.0	185.5365	0.0
load	N_1800053653	constant_power_C_real	371.073	0.0	185.5365	0.0
load	N_1800053653	constant_power_A_reac	122.678	0.0	61.339	0.0
load	N_1800053653	constant_power_B_reac	122.678	0.0	61.339	0.0
load	N_1800053653	constant_power_C_reac	122.678	0.0	61.339	0.0
load	N_1800053652	constant_power_A	332.846	184.158	166.423	92.079
load	N_1800053652	constant_power_B	332.846	184.158	166.423	92.079
load	N_1800053652	constant_power_C	332.846	184.158	166.423	92.079
load	N_1800053652	constant_power_A_real	332.846	0.0	166.423	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053652	constant_power_B_real	332.846	0.0	166.423	0.0
load	N_1800053652	constant_power_C_real	332.846	0.0	166.423	0.0
load	N_1800053652	constant_power_A_reac	184.158	0.0	92.079	0.0
load	N_1800053652	constant_power_B_reac	184.158	0.0	92.079	0.0
load	N_1800053652	constant_power_C_reac	184.158	0.0	92.079	0.0
load	N_1800053651	constant_power_A	255.462	142.285	127.731	71.1425
load	N_1800053651	constant_power_B	255.462	142.285	127.731	71.1425
load	N_1800053651	constant_power_C	255.462	142.285	127.731	71.1425
load	N_1800053651	constant_power_A_real	255.462	0.0	127.731	0.0
load	N_1800053651	constant_power_B_real	255.462	0.0	127.731	0.0
load	N_1800053651	constant_power_C_real	255.462	0.0	127.731	0.0
load	N_1800053651	constant_power_A_reac	142.285	0.0	71.1425	0.0
load	N_1800053651	constant_power_B_reac	142.285	0.0	71.1425	0.0
load	N_1800053651	constant_power_C_reac	142.285	0.0	71.1425	0.0
load	N_1800053650	constant_power_A	151.04	83.5677	75.52	41.78385
load	N_1800053650	constant_power_B	151.04	83.5677	75.52	41.78385
load	N_1800053650	constant_power_C	151.04	83.5677	75.52	41.78385
load	N_1800053650	constant_power_A_real	151.04	0.0	75.52	0.0
load	N_1800053650	constant_power_B_real	151.04	0.0	75.52	0.0
load	N_1800053650	constant_power_C_real	151.04	0.0	75.52	0.0
load	N_1800053650	constant_power_A_reac	83.5677	0.0	41.78385	0.0
load	N_1800053650	constant_power_B_reac	83.5677	0.0	41.78385	0.0
load	N_1800053650	constant_power_C_reac	83.5677	0.0	41.78385	0.0
load	N_1800016586	constant_power_A	478.292	157.207	239.146	78.6035
load	N_1800016586	constant_power_B	478.292	157.207	239.146	78.6035
load	N_1800016586	constant_power_C	478.292	157.207	239.146	78.6035
load	N_1800016586	constant_power_A_real	478.292	0.0	239.146	0.0
load	N_1800016586	constant_power_B_real	478.292	0.0	239.146	0.0
load	N_1800016586	constant_power_C_real	478.292	0.0	239.146	0.0
load	N_1800016586	constant_power_A_reac	157.207	0.0	78.6035	0.0
load	N_1800016586	constant_power_B_reac	157.207	0.0	78.6035	0.0
load	N_1800016586	constant_power_C_reac	157.207	0.0	78.6035	0.0
load	N_1800016587	constant_power_A	23.122	7.59983	11.561	3.799915
load	N_1800016587	constant_power_B	23.122	7.59983	11.561	3.799915
load	N_1800016587	constant_power_C	23.122	7.59983	11.561	3.799915
load	N_1800016587	constant_power_A_real	23.122	0.0	11.561	0.0
load	N_1800016587	constant_power_B_real	23.122	0.0	11.561	0.0
load	N_1800016587	constant_power_C_real	23.122	0.0	11.561	0.0
load	N_1800016587	constant_power_A_reac	7.59983	0.0	3.799915	0.0
load	N_1800016587	constant_power_B_reac	7.59983	0.0	3.799915	0.0
load	N_1800016587	constant_power_C_reac	7.59983	0.0	3.799915	0.0
load	N_1800038483	constant_power_A	222.644	73.1794	111.322	36.5897
load	N_1800038483	constant_power_B	222.644	73.1794	111.322	36.5897
load	N_1800038483	constant_power_C	222.644	73.1794	111.322	36.5897
load	N_1800038483	constant_power_A_real	222.644	0.0	111.322	0.0
load	N_1800038483	constant_power_B_real	222.644	0.0	111.322	0.0
load	N_1800038483	constant_power_C_real	222.644	0.0	111.322	0.0
load	N_1800038483	constant_power_A_reac	73.1794	0.0	36.5897	0.0
load	N_1800038483	constant_power_B_reac	73.1794	0.0	36.5897	0.0
load	N_1800038483	constant_power_C_reac	73.1794	0.0	36.5897	0.0
load	N_1800034197	constant_power_A	601.362	197.658	300.681	98.829
load	N_1800034197	constant_power_B	601.362	197.658	300.681	98.829
load	N_1800034197	constant_power_A_real	601.362	0.0	300.681	0.0
load	N_1800034197	constant_power_B_real	601.362	0.0	300.681	0.0
load	N_1800034197	constant_power_A_reac	197.658	0.0	98.829	0.0
load	N_1800034197	constant_power_B_reac	197.658	0.0	98.829	0.0
load	N_1800034196	constant_power_A	949.312	330.807	474.656	165.4035
load	N_1800034196	constant_power_B	949.312	330.807	474.656	165.4035
load	N_1800034196	constant_power_A_real	949.312	0.0	474.656	0.0
load	N_1800034196	constant_power_B_real	949.312	0.0	474.656	0.0
load	N_1800034196	constant_power_A_reac	330.807	0.0	165.4035	0.0
load	N_1800034196	constant_power_B_reac	330.807	0.0	165.4035	0.0
load	N_1800053592	constant_power_A	825.683	271.389	412.8415	135.6945

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053592	constant_power_B	825.683	271.389	412.8415	135.6945
load	N_1800053592	constant_power_A_real	825.683	0.0	412.8415	0.0
load	N_1800053592	constant_power_B_real	825.683	0.0	412.8415	0.0
load	N_1800053592	constant_power_A_reac	271.389	0.0	135.6945	0.0
load	N_1800053592	constant_power_B_reac	271.389	0.0	135.6945	0.0
load	N_1800034198	constant_power_A	123.349	40.5429	61.6745	20.27145
load	N_1800034198	constant_power_B	123.349	40.5429	61.6745	20.27145
load	N_1800034198	constant_power_A_real	123.349	0.0	61.6745	0.0
load	N_1800034198	constant_power_B_real	123.349	0.0	61.6745	0.0
load	N_1800034198	constant_power_A_reac	40.5429	0.0	20.27145	0.0
load	N_1800034198	constant_power_B_reac	40.5429	0.0	20.27145	0.0
load	N_1800053594	constant_power_A	219.847	72.2602	109.9235	36.1301
load	N_1800053594	constant_power_B	219.847	72.2602	109.9235	36.1301
load	N_1800053594	constant_power_A_real	219.847	0.0	109.9235	0.0
load	N_1800053594	constant_power_B_real	219.847	0.0	109.9235	0.0
load	N_1800053594	constant_power_A_reac	72.2602	0.0	36.1301	0.0
load	N_1800053594	constant_power_B_reac	72.2602	0.0	36.1301	0.0
load	N_1800053597	constant_power_A	917.146	304.592	458.573	152.296
load	N_1800053597	constant_power_B	917.146	304.592	458.573	152.296
load	N_1800053597	constant_power_A_real	917.146	0.0	458.573	0.0
load	N_1800053597	constant_power_B_real	917.146	0.0	458.573	0.0
load	N_1800053597	constant_power_A_reac	304.592	0.0	152.296	0.0
load	N_1800053597	constant_power_B_reac	304.592	0.0	152.296	0.0
load	N_1800053389	constant_power_A	437.456	143.785	218.728	71.8925
load	N_1800053389	constant_power_B	437.456	143.785	218.728	71.8925
load	N_1800053389	constant_power_A_real	437.456	0.0	218.728	0.0
load	N_1800053389	constant_power_B_real	437.456	0.0	218.728	0.0
load	N_1800053389	constant_power_A_reac	143.785	0.0	71.8925	0.0
load	N_1800053389	constant_power_B_reac	143.785	0.0	71.8925	0.0
load	N_1800054056	constant_power_A	109.457	48.63	54.7285	24.315
load	N_1800054056	constant_power_B	109.457	48.63	54.7285	24.315
load	N_1800054056	constant_power_C	109.457	48.63	54.7285	24.315
load	N_1800054056	constant_power_A_real	109.457	0.0	54.7285	0.0
load	N_1800054056	constant_power_B_real	109.457	0.0	54.7285	0.0
load	N_1800054056	constant_power_C_real	109.457	0.0	54.7285	0.0
load	N_1800054056	constant_power_A_reac	48.63	0.0	24.315	0.0
load	N_1800054056	constant_power_B_reac	48.63	0.0	24.315	0.0
load	N_1800054056	constant_power_C_reac	48.63	0.0	24.315	0.0
load	N_1800053387	constant_power_A	406.129	133.488	203.0645	66.744
load	N_1800053387	constant_power_B	406.129	133.488	203.0645	66.744
load	N_1800053387	constant_power_A_real	406.129	0.0	203.0645	0.0
load	N_1800053387	constant_power_B_real	406.129	0.0	203.0645	0.0
load	N_1800053387	constant_power_A_reac	133.488	0.0	66.744	0.0
load	N_1800053387	constant_power_B_reac	133.488	0.0	66.744	0.0
load	N_1800203918	constant_power_A	8.111	2.66596	4.0555	1.33298
load	N_1800203918	constant_power_B	8.111	2.66596	4.0555	1.33298
load	N_1800203918	constant_power_A_real	8.111	0.0	4.0555	0.0
load	N_1800203918	constant_power_B_real	8.111	0.0	4.0555	0.0
load	N_1800203918	constant_power_A_reac	2.66596	0.0	1.33298	0.0
load	N_1800203918	constant_power_B_reac	2.66596	0.0	1.33298	0.0
load	N_1800054076	constant_power_A	428.785	140.935	214.3925	70.4675
load	N_1800054076	constant_power_B	428.785	140.935	214.3925	70.4675
load	N_1800054076	constant_power_A_real	428.785	0.0	214.3925	0.0
load	N_1800054076	constant_power_B_real	428.785	0.0	214.3925	0.0
load	N_1800054076	constant_power_A_reac	140.935	0.0	70.4675	0.0
load	N_1800054076	constant_power_B_reac	140.935	0.0	70.4675	0.0
load	N_1800054077	constant_power_A	905.958	297.774	452.979	148.887
load	N_1800054077	constant_power_B	905.958	297.774	452.979	148.887
load	N_1800054077	constant_power_A_real	905.958	0.0	452.979	0.0
load	N_1800054077	constant_power_B_real	905.958	0.0	452.979	0.0
load	N_1800054077	constant_power_A_reac	297.774	0.0	148.887	0.0
load	N_1800054077	constant_power_B_reac	297.774	0.0	148.887	0.0
load	N_1800054075	constant_power_A	787.084	258.702	393.542	129.351

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054075	constant_power_B	787.084	258.702	393.542	129.351
load	N_1800054075	constant_power_A_real	787.084	0.0	393.542	0.0
load	N_1800054075	constant_power_B_real	787.084	0.0	393.542	0.0
load	N_1800054075	constant_power_A_reac	258.702	0.0	129.351	0.0
load	N_1800054075	constant_power_B_reac	258.702	0.0	129.351	0.0
load	N_1800054072	constant_power_A	230.196	75.6618	115.098	37.8309
load	N_1800054072	constant_power_B	230.196	75.6618	115.098	37.8309
load	N_1800054072	constant_power_A_real	230.196	0.0	115.098	0.0
load	N_1800054072	constant_power_B_real	230.196	0.0	115.098	0.0
load	N_1800054072	constant_power_A_reac	75.6618	0.0	37.8309	0.0
load	N_1800054072	constant_power_B_reac	75.6618	0.0	37.8309	0.0
load	N_1800054071	constant_power_A	135.097	44.4042	67.5485	22.2021
load	N_1800054071	constant_power_B	135.097	44.4042	67.5485	22.2021
load	N_1800054071	constant_power_A_real	135.097	0.0	67.5485	0.0
load	N_1800054071	constant_power_B_real	135.097	0.0	67.5485	0.0
load	N_1800054071	constant_power_A_reac	44.4042	0.0	22.2021	0.0
load	N_1800054071	constant_power_B_reac	44.4042	0.0	22.2021	0.0
load	N_1800054079	constant_power_A	370.326	132.84	185.163	66.42
load	N_1800054079	constant_power_B	370.326	132.84	185.163	66.42
load	N_1800054079	constant_power_A_real	370.326	0.0	185.163	0.0
load	N_1800054079	constant_power_B_real	370.326	0.0	185.163	0.0
load	N_1800054079	constant_power_A_reac	132.84	0.0	66.42	0.0
load	N_1800054079	constant_power_B_reac	132.84	0.0	66.42	0.0
load	N_1800016001	constant_power_A	972.528	319.654	486.264	159.827
load	N_1800016001	constant_power_B	972.528	319.654	486.264	159.827
load	N_1800016001	constant_power_A_real	972.528	0.0	486.264	0.0
load	N_1800016001	constant_power_B_real	972.528	0.0	486.264	0.0
load	N_1800016001	constant_power_A_reac	319.654	0.0	159.827	0.0
load	N_1800016001	constant_power_B_reac	319.654	0.0	159.827	0.0
load	N_1800037718	constant_power_A	939.802	582.437	469.901	291.2185
load	N_1800037718	constant_power_B	939.802	582.437	469.901	291.2185
load	N_1800037718	constant_power_C	939.802	582.437	469.901	291.2185
load	N_1800037718	constant_power_A_real	939.802	0.0	469.901	0.0
load	N_1800037718	constant_power_B_real	939.802	0.0	469.901	0.0
load	N_1800037718	constant_power_C_real	939.802	0.0	469.901	0.0
load	N_1800037718	constant_power_A_reac	582.437	0.0	291.2185	0.0
load	N_1800037718	constant_power_B_reac	582.437	0.0	291.2185	0.0
load	N_1800037718	constant_power_C_reac	582.437	0.0	291.2185	0.0
load	N_1800034720	constant_power_A	583.461	191.774	291.7305	95.887
load	N_1800034720	constant_power_B	583.461	191.774	291.7305	95.887
load	N_1800034720	constant_power_C	583.461	191.774	291.7305	95.887
load	N_1800034720	constant_power_A_real	583.461	0.0	291.7305	0.0
load	N_1800034720	constant_power_B_real	583.461	0.0	291.7305	0.0
load	N_1800034720	constant_power_C_real	583.461	0.0	291.7305	0.0
load	N_1800034720	constant_power_A_reac	191.774	0.0	95.887	0.0
load	N_1800034720	constant_power_B_reac	191.774	0.0	95.887	0.0
load	N_1800034720	constant_power_C_reac	191.774	0.0	95.887	0.0
load	N_1800054154	constant_power_A	259.378	85.2534	129.689	42.6267
load	N_1800054154	constant_power_B	259.378	85.2534	129.689	42.6267
load	N_1800054154	constant_power_C	259.378	85.2534	129.689	42.6267
load	N_1800054154	constant_power_A_real	259.378	0.0	129.689	0.0
load	N_1800054154	constant_power_B_real	259.378	0.0	129.689	0.0
load	N_1800054154	constant_power_C_real	259.378	0.0	129.689	0.0
load	N_1800054154	constant_power_A_reac	85.2534	0.0	42.6267	0.0
load	N_1800054154	constant_power_B_reac	85.2534	0.0	42.6267	0.0
load	N_1800054154	constant_power_C_reac	85.2534	0.0	42.6267	0.0
load	N_1800034722	constant_power_A	656.37	216.911	328.185	108.4555
load	N_1800034722	constant_power_B	656.37	216.911	328.185	108.4555
load	N_1800034722	constant_power_C	656.37	216.911	328.185	108.4555
load	N_1800034722	constant_power_A_real	656.37	0.0	328.185	0.0
load	N_1800034722	constant_power_B_real	656.37	0.0	328.185	0.0
load	N_1800034722	constant_power_C_real	656.37	0.0	328.185	0.0
load	N_1800034722	constant_power_A_reac	216.911	0.0	108.4555	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034722	constant_power_B_reac	216.911	0.0	108.4555	0.0
load	N_1800034722	constant_power_C_reac	216.911	0.0	108.4555	0.0
load	N_1800034723	constant_power_A	101.439	33.3414	50.7195	16.6707
load	N_1800034723	constant_power_B	101.439	33.3414	50.7195	16.6707
load	N_1800034723	constant_power_C	101.439	33.3414	50.7195	16.6707
load	N_1800034723	constant_power_A_real	101.439	0.0	50.7195	0.0
load	N_1800034723	constant_power_B_real	101.439	0.0	50.7195	0.0
load	N_1800034723	constant_power_C_real	101.439	0.0	50.7195	0.0
load	N_1800034723	constant_power_A_reac	33.3414	0.0	16.6707	0.0
load	N_1800034723	constant_power_B_reac	33.3414	0.0	16.6707	0.0
load	N_1800034723	constant_power_C_reac	33.3414	0.0	16.6707	0.0
load	N_1800034724	constant_power_A	118.314	38.8879	59.157	19.44395
load	N_1800034724	constant_power_B	118.314	38.8879	59.157	19.44395
load	N_1800034724	constant_power_A_real	118.314	0.0	59.157	0.0
load	N_1800034724	constant_power_B_real	118.314	0.0	59.157	0.0
load	N_1800034724	constant_power_A_reac	38.8879	0.0	19.44395	0.0
load	N_1800034724	constant_power_B_reac	38.8879	0.0	19.44395	0.0
load	N_1800034725	constant_power_A	102.651	33.7398	51.3255	16.8699
load	N_1800034725	constant_power_B	102.651	33.7398	51.3255	16.8699
load	N_1800034725	constant_power_A_real	102.651	0.0	51.3255	0.0
load	N_1800034725	constant_power_B_real	102.651	0.0	51.3255	0.0
load	N_1800034725	constant_power_A_reac	33.7398	0.0	16.8699	0.0
load	N_1800034725	constant_power_B_reac	33.7398	0.0	16.8699	0.0
load	N_1800034726	constant_power_A	615.906	202.439	307.953	101.2195
load	N_1800034726	constant_power_B	615.906	202.439	307.953	101.2195
load	N_1800034726	constant_power_A_real	615.906	0.0	307.953	0.0
load	N_1800034726	constant_power_B_real	615.906	0.0	307.953	0.0
load	N_1800034726	constant_power_A_reac	202.439	0.0	101.2195	0.0
load	N_1800034726	constant_power_B_reac	202.439	0.0	101.2195	0.0
load	N_1800034727	constant_power_A	508.22	167.044	254.11	83.522
load	N_1800034727	constant_power_B	508.22	167.044	254.11	83.522
load	N_1800034727	constant_power_A_real	508.22	0.0	254.11	0.0
load	N_1800034727	constant_power_B_real	508.22	0.0	254.11	0.0
load	N_1800034727	constant_power_A_reac	167.044	0.0	83.522	0.0
load	N_1800034727	constant_power_B_reac	167.044	0.0	83.522	0.0
load	N_1800054094	constant_power_A	177.052	58.1942	88.526	29.0971
load	N_1800054094	constant_power_B	177.052	58.1942	88.526	29.0971
load	N_1800054094	constant_power_A_real	177.052	0.0	88.526	0.0
load	N_1800054094	constant_power_B_real	177.052	0.0	88.526	0.0
load	N_1800054094	constant_power_A_reac	58.1942	0.0	29.0971	0.0
load	N_1800054094	constant_power_B_reac	58.1942	0.0	29.0971	0.0
load	N_1800034729	constant_power_A	557.448	183.224	278.724	91.612
load	N_1800034729	constant_power_B	557.448	183.224	278.724	91.612
load	N_1800034729	constant_power_A_real	557.448	0.0	278.724	0.0
load	N_1800034729	constant_power_B_real	557.448	0.0	278.724	0.0
load	N_1800034729	constant_power_A_reac	183.224	0.0	91.612	0.0
load	N_1800034729	constant_power_B_reac	183.224	0.0	91.612	0.0
load	N_1800054097	constant_power_A	199.708	123.768	99.854	61.884
load	N_1800054097	constant_power_B	199.708	123.768	99.854	61.884
load	N_1800054097	constant_power_C	199.708	123.768	99.854	61.884
load	N_1800054097	constant_power_A_real	199.708	0.0	99.854	0.0
load	N_1800054097	constant_power_B_real	199.708	0.0	99.854	0.0
load	N_1800054097	constant_power_C_real	199.708	0.0	99.854	0.0
load	N_1800054097	constant_power_A_reac	123.768	0.0	61.884	0.0
load	N_1800054097	constant_power_B_reac	123.768	0.0	61.884	0.0
load	N_1800054097	constant_power_C_reac	123.768	0.0	61.884	0.0
load	N_1800054090	constant_power_A	943.159	310.001	471.5795	155.0005
load	N_1800054090	constant_power_B	943.159	310.001	471.5795	155.0005
load	N_1800054090	constant_power_A_real	943.159	0.0	471.5795	0.0
load	N_1800054090	constant_power_B_real	943.159	0.0	471.5795	0.0
load	N_1800054090	constant_power_A_reac	310.001	0.0	155.0005	0.0
load	N_1800054090	constant_power_B_reac	310.001	0.0	155.0005	0.0
load	N_1800054093	constant_power_A	254.53	83.66	127.265	41.83

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054093	constant_power_B	254.53	83.66	127.265	41.83
load	N_1800054093	constant_power_A_real	254.53	0.0	127.265	0.0
load	N_1800054093	constant_power_B_real	254.53	0.0	127.265	0.0
load	N_1800054093	constant_power_A_reac	83.66	0.0	41.83	0.0
load	N_1800054093	constant_power_B_reac	83.66	0.0	41.83	0.0
load	N_1800031217	constant_power_A	270.473	88.9002	135.2365	44.4501
load	N_1800031217	constant_power_B	270.473	88.9002	135.2365	44.4501
load	N_1800031217	constant_power_A_real	270.473	0.0	135.2365	0.0
load	N_1800031217	constant_power_B_real	270.473	0.0	135.2365	0.0
load	N_1800031217	constant_power_A_reac	88.9002	0.0	44.4501	0.0
load	N_1800031217	constant_power_B_reac	88.9002	0.0	44.4501	0.0
load	N_1800043878	constant_power_A	440.812	144.888	220.406	72.444
load	N_1800043878	constant_power_B	440.812	144.888	220.406	72.444
load	N_1800043878	constant_power_A_real	440.812	0.0	220.406	0.0
load	N_1800043878	constant_power_B_real	440.812	0.0	220.406	0.0
load	N_1800043878	constant_power_A_reac	144.888	0.0	72.444	0.0
load	N_1800043878	constant_power_B_reac	144.888	0.0	72.444	0.0
load	N_1800043879	constant_power_A	824.844	271.113	412.422	135.5565
load	N_1800043879	constant_power_B	824.844	271.113	412.422	135.5565
load	N_1800043879	constant_power_A_real	824.844	0.0	412.422	0.0
load	N_1800043879	constant_power_B_real	824.844	0.0	412.422	0.0
load	N_1800043879	constant_power_A_reac	271.113	0.0	135.5565	0.0
load	N_1800043879	constant_power_B_reac	271.113	0.0	135.5565	0.0
load	N_1800003162	constant_power_A	165.584	74.8209	82.792	37.41045
load	N_1800003162	constant_power_B	165.584	74.8209	82.792	37.41045
load	N_1800003162	constant_power_C	165.584	74.8209	82.792	37.41045
load	N_1800003162	constant_power_A_real	165.584	0.0	82.792	0.0
load	N_1800003162	constant_power_B_real	165.584	0.0	82.792	0.0
load	N_1800003162	constant_power_C_real	165.584	0.0	82.792	0.0
load	N_1800003162	constant_power_A_reac	74.8209	0.0	37.41045	0.0
load	N_1800003162	constant_power_B_reac	74.8209	0.0	37.41045	0.0
load	N_1800003162	constant_power_C_reac	74.8209	0.0	37.41045	0.0
load	N_1800003163	constant_power_A	810.02	266.241	405.01	133.1205
load	N_1800003163	constant_power_B	810.02	266.241	405.01	133.1205
load	N_1800003163	constant_power_A_real	810.02	0.0	405.01	0.0
load	N_1800003163	constant_power_B_real	810.02	0.0	405.01	0.0
load	N_1800003163	constant_power_A_reac	266.241	0.0	133.1205	0.0
load	N_1800003163	constant_power_B_reac	266.241	0.0	133.1205	0.0
load	N_1800053478	constant_power_A	345.714	169.604	172.857	84.802
load	N_1800053478	constant_power_B	345.714	169.604	172.857	84.802
load	N_1800053478	constant_power_A_real	345.714	0.0	172.857	0.0
load	N_1800053478	constant_power_B_real	345.714	0.0	172.857	0.0
load	N_1800053478	constant_power_A_reac	169.604	0.0	84.802	0.0
load	N_1800053478	constant_power_B_reac	169.604	0.0	84.802	0.0
load	N_1800053502	constant_power_A	468.223	243.815	234.1115	121.9075
load	N_1800053502	constant_power_B	468.223	243.815	234.1115	121.9075
load	N_1800053502	constant_power_C	468.223	243.815	234.1115	121.9075
load	N_1800053502	constant_power_A_real	468.223	0.0	234.1115	0.0
load	N_1800053502	constant_power_B_real	468.223	0.0	234.1115	0.0
load	N_1800053502	constant_power_C_real	468.223	0.0	234.1115	0.0
load	N_1800053502	constant_power_A_reac	243.815	0.0	121.9075	0.0
load	N_1800053502	constant_power_B_reac	243.815	0.0	121.9075	0.0
load	N_1800053502	constant_power_C_reac	243.815	0.0	121.9075	0.0
load	N_1800053501	constant_power_A	241.663	128.557	120.8315	64.2785
load	N_1800053501	constant_power_B	241.663	128.557	120.8315	64.2785
load	N_1800053501	constant_power_C	241.663	128.557	120.8315	64.2785
load	N_1800053501	constant_power_A_real	241.663	0.0	120.8315	0.0
load	N_1800053501	constant_power_B_real	241.663	0.0	120.8315	0.0
load	N_1800053501	constant_power_C_real	241.663	0.0	120.8315	0.0
load	N_1800053501	constant_power_A_reac	128.557	0.0	64.2785	0.0
load	N_1800053501	constant_power_B_reac	128.557	0.0	64.2785	0.0
load	N_1800053501	constant_power_C_reac	128.557	0.0	64.2785	0.0
load	N_1800053500	constant_power_A	20066.2	12225.4	10033.1	6112.7

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053500	constant_power_B	20066.2	12225.4	10033.1	6112.7
load	N_1800053500	constant_power_C	20066.2	12225.4	10033.1	6112.7
load	N_1800053500	constant_power_A_real	20066.2	0.0	10033.1	0.0
load	N_1800053500	constant_power_B_real	20066.2	0.0	10033.1	0.0
load	N_1800053500	constant_power_C_real	20066.2	0.0	10033.1	0.0
load	N_1800053500	constant_power_A_reac	12225.4	0.0	6112.7	0.0
load	N_1800053500	constant_power_B_reac	12225.4	0.0	6112.7	0.0
load	N_1800053500	constant_power_C_reac	12225.4	0.0	6112.7	0.0
load	N_1800053504	constant_power_A	516.146	285.575	258.073	142.7875
load	N_1800053504	constant_power_B	516.146	285.575	258.073	142.7875
load	N_1800053504	constant_power_C	516.146	285.575	258.073	142.7875
load	N_1800053504	constant_power_A_real	516.146	0.0	258.073	0.0
load	N_1800053504	constant_power_B_real	516.146	0.0	258.073	0.0
load	N_1800053504	constant_power_C_real	516.146	0.0	258.073	0.0
load	N_1800053504	constant_power_A_reac	285.575	0.0	142.7875	0.0
load	N_1800053504	constant_power_B_reac	285.575	0.0	142.7875	0.0
load	N_1800053504	constant_power_C_reac	285.575	0.0	142.7875	0.0
load	N_1800053508	constant_power_A	6399.98	3939.77	3199.99	1969.885
load	N_1800053508	constant_power_B	6399.98	3939.77	3199.99	1969.885
load	N_1800053508	constant_power_C	6399.98	3939.77	3199.99	1969.885
load	N_1800053508	constant_power_A_real	6399.98	0.0	3199.99	0.0
load	N_1800053508	constant_power_B_real	6399.98	0.0	3199.99	0.0
load	N_1800053508	constant_power_C_real	6399.98	0.0	3199.99	0.0
load	N_1800053508	constant_power_A_reac	3939.77	0.0	1969.885	0.0
load	N_1800053508	constant_power_B_reac	3939.77	0.0	1969.885	0.0
load	N_1800053508	constant_power_C_reac	3939.77	0.0	1969.885	0.0
load	N_1800053370	constant_power_A	488.082	160.425	244.041	80.2125
load	N_1800053370	constant_power_B	488.082	160.425	244.041	80.2125
load	N_1800053370	constant_power_A_real	488.082	0.0	244.041	0.0
load	N_1800053370	constant_power_B_real	488.082	0.0	244.041	0.0
load	N_1800053370	constant_power_A_reac	160.425	0.0	80.2125	0.0
load	N_1800053370	constant_power_B_reac	160.425	0.0	80.2125	0.0
load	N_1800053371	constant_power_A	456.196	149.944	228.098	74.972
load	N_1800053371	constant_power_B	456.196	149.944	228.098	74.972
load	N_1800053371	constant_power_A_real	456.196	0.0	228.098	0.0
load	N_1800053371	constant_power_B_real	456.196	0.0	228.098	0.0
load	N_1800053371	constant_power_A_reac	149.944	0.0	74.972	0.0
load	N_1800053371	constant_power_B_reac	149.944	0.0	74.972	0.0
load	N_1800053372	constant_power_A	333.126	109.493	166.563	54.7465
load	N_1800053372	constant_power_B	333.126	109.493	166.563	54.7465
load	N_1800053372	constant_power_A_real	333.126	0.0	166.563	0.0
load	N_1800053372	constant_power_B_real	333.126	0.0	166.563	0.0
load	N_1800053372	constant_power_A_reac	109.493	0.0	54.7465	0.0
load	N_1800053372	constant_power_B_reac	109.493	0.0	54.7465	0.0
load	N_1800053373	constant_power_A	721.354	237.098	360.677	118.549
load	N_1800053373	constant_power_B	721.354	237.098	360.677	118.549
load	N_1800053373	constant_power_A_real	721.354	0.0	360.677	0.0
load	N_1800053373	constant_power_B_real	721.354	0.0	360.677	0.0
load	N_1800053373	constant_power_A_reac	237.098	0.0	118.549	0.0
load	N_1800053373	constant_power_B_reac	237.098	0.0	118.549	0.0
load	N_1800031222	constant_power_A	1343.51	700.071	671.755	350.0355
load	N_1800031222	constant_power_B	1343.51	700.071	671.755	350.0355
load	N_1800031222	constant_power_C	1343.51	700.071	671.755	350.0355
load	N_1800031222	constant_power_A_real	1343.51	0.0	671.755	0.0
load	N_1800031222	constant_power_B_real	1343.51	0.0	671.755	0.0
load	N_1800031222	constant_power_C_real	1343.51	0.0	671.755	0.0
load	N_1800031222	constant_power_A_reac	700.071	0.0	350.0355	0.0
load	N_1800031222	constant_power_B_reac	700.071	0.0	350.0355	0.0
load	N_1800031222	constant_power_C_reac	700.071	0.0	350.0355	0.0
load	N_1800031220	constant_power_A	246.139	87.3098	123.0695	43.6549
load	N_1800031220	constant_power_B	246.139	87.3098	123.0695	43.6549
load	N_1800031220	constant_power_A_real	246.139	0.0	123.0695	0.0
load	N_1800031220	constant_power_B_real	246.139	0.0	123.0695	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031220	constant_power_A_reac	87.3098	0.0	43.6549	0.0
load	N_1800031220	constant_power_B_reac	87.3098	0.0	43.6549	0.0
load	N_1800031221	constant_power_A	151.413	50.3533	75.7065	25.17665
load	N_1800031221	constant_power_B	151.413	50.3533	75.7065	25.17665
load	N_1800031221	constant_power_C	151.413	50.3533	75.7065	25.17665
load	N_1800031221	constant_power_A_real	151.413	0.0	75.7065	0.0
load	N_1800031221	constant_power_B_real	151.413	0.0	75.7065	0.0
load	N_1800031221	constant_power_C_real	151.413	0.0	75.7065	0.0
load	N_1800031221	constant_power_A_reac	50.3533	0.0	25.17665	0.0
load	N_1800031221	constant_power_B_reac	50.3533	0.0	25.17665	0.0
load	N_1800031221	constant_power_C_reac	50.3533	0.0	25.17665	0.0
load	N_1800075835	constant_power_A	16.9687	9.38848	8.48435	4.69424
load	N_1800075835	constant_power_B	16.9687	9.38848	8.48435	4.69424
load	N_1800075835	constant_power_C	16.9687	9.38848	8.48435	4.69424
load	N_1800075835	constant_power_A_real	16.9687	0.0	8.48435	0.0
load	N_1800075835	constant_power_B_real	16.9687	0.0	8.48435	0.0
load	N_1800075835	constant_power_C_real	16.9687	0.0	8.48435	0.0
load	N_1800075835	constant_power_A_reac	9.38848	0.0	4.69424	0.0
load	N_1800075835	constant_power_B_reac	9.38848	0.0	4.69424	0.0
load	N_1800075835	constant_power_C_reac	9.38848	0.0	4.69424	0.0
load	N_1800043505	constant_power_A	153.837	53.3697	76.9185	26.68485
load	N_1800043505	constant_power_B	153.837	53.3697	76.9185	26.68485
load	N_1800043505	constant_power_C	153.837	53.3697	76.9185	26.68485
load	N_1800043505	constant_power_A_real	153.837	0.0	76.9185	0.0
load	N_1800043505	constant_power_B_real	153.837	0.0	76.9185	0.0
load	N_1800043505	constant_power_C_real	153.837	0.0	76.9185	0.0
load	N_1800043505	constant_power_A_reac	53.3697	0.0	26.68485	0.0
load	N_1800043505	constant_power_B_reac	53.3697	0.0	26.68485	0.0
load	N_1800043505	constant_power_C_reac	53.3697	0.0	26.68485	0.0
load	N_1800028768	constant_power_A	187.588	61.6571	93.794	30.82855
load	N_1800028768	constant_power_B	187.588	61.6571	93.794	30.82855
load	N_1800028768	constant_power_C	187.588	61.6571	93.794	30.82855
load	N_1800028768	constant_power_A_real	187.588	0.0	93.794	0.0
load	N_1800028768	constant_power_B_real	187.588	0.0	93.794	0.0
load	N_1800028768	constant_power_C_real	187.588	0.0	93.794	0.0
load	N_1800028768	constant_power_A_reac	61.6571	0.0	30.82855	0.0
load	N_1800028768	constant_power_B_reac	61.6571	0.0	30.82855	0.0
load	N_1800028768	constant_power_C_reac	61.6571	0.0	30.82855	0.0
load	N_1800001932	constant_power_A	11000.0	6817.19	5500.0	3408.595
load	N_1800001932	constant_power_B	11000.0	6817.19	5500.0	3408.595
load	N_1800001932	constant_power_C	11000.0	6817.19	5500.0	3408.595
load	N_1800001932	constant_power_A_real	11000.0	0.0	5500.0	0.0
load	N_1800001932	constant_power_B_real	11000.0	0.0	5500.0	0.0
load	N_1800001932	constant_power_C_real	11000.0	0.0	5500.0	0.0
load	N_1800001932	constant_power_A_reac	6817.19	0.0	3408.595	0.0
load	N_1800001932	constant_power_B_reac	6817.19	0.0	3408.595	0.0
load	N_1800001932	constant_power_C_reac	6817.19	0.0	3408.595	0.0
load	N_1800016439	constant_power_A	700.936	434.401	350.468	217.2005
load	N_1800016439	constant_power_B	700.936	434.401	350.468	217.2005
load	N_1800016439	constant_power_C	700.936	434.401	350.468	217.2005
load	N_1800016439	constant_power_A_real	700.936	0.0	350.468	0.0
load	N_1800016439	constant_power_B_real	700.936	0.0	350.468	0.0
load	N_1800016439	constant_power_C_real	700.936	0.0	350.468	0.0
load	N_1800016439	constant_power_A_reac	434.401	0.0	217.2005	0.0
load	N_1800016439	constant_power_B_reac	434.401	0.0	217.2005	0.0
load	N_1800016439	constant_power_C_reac	434.401	0.0	217.2005	0.0
load	N_18000203320	constant_power_A	334.525	109.953	167.2625	54.9765
load	N_18000203320	constant_power_B	334.525	109.953	167.2625	54.9765
load	N_18000203320	constant_power_A_real	334.525	0.0	167.2625	0.0
load	N_18000203320	constant_power_B_real	334.525	0.0	167.2625	0.0
load	N_18000203320	constant_power_A_reac	109.953	0.0	54.9765	0.0
load	N_18000203320	constant_power_B_reac	109.953	0.0	54.9765	0.0
load	N_1800054171	constant_power_A	204.743	103.732	102.3715	51.866

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054171	constant_power_B	204.743	103.732	102.3715	51.866
load	N_1800054171	constant_power_C	204.743	103.732	102.3715	51.866
load	N_1800054171	constant_power_A_real	204.743	0.0	102.3715	0.0
load	N_1800054171	constant_power_B_real	204.743	0.0	102.3715	0.0
load	N_1800054171	constant_power_C_real	204.743	0.0	102.3715	0.0
load	N_1800054171	constant_power_A_reac	103.732	0.0	51.866	0.0
load	N_1800054171	constant_power_B_reac	103.732	0.0	51.866	0.0
load	N_1800054171	constant_power_C_reac	103.732	0.0	51.866	0.0
load	N_1800053611	constant_power_A	238.587	78.4198	119.2935	39.2099
load	N_1800053611	constant_power_B	238.587	78.4198	119.2935	39.2099
load	N_1800053611	constant_power_A_real	238.587	0.0	119.2935	0.0
load	N_1800053611	constant_power_B_real	238.587	0.0	119.2935	0.0
load	N_1800053611	constant_power_A_reac	78.4198	0.0	39.2099	0.0
load	N_1800053611	constant_power_B_reac	78.4198	0.0	39.2099	0.0
load	N_1800021090	constant_power_A	61.9077	24.3268	30.95385	12.1634
load	N_1800021090	constant_power_B	61.9077	24.3268	30.95385	12.1634
load	N_1800021090	constant_power_C	61.9077	24.3268	30.95385	12.1634
load	N_1800021090	constant_power_A_real	61.9077	0.0	30.95385	0.0
load	N_1800021090	constant_power_B_real	61.9077	0.0	30.95385	0.0
load	N_1800021090	constant_power_C_real	61.9077	0.0	30.95385	0.0
load	N_1800021090	constant_power_A_reac	24.3268	0.0	12.1634	0.0
load	N_1800021090	constant_power_B_reac	24.3268	0.0	12.1634	0.0
load	N_1800021090	constant_power_C_reac	24.3268	0.0	12.1634	0.0
load	N_1800004277	constant_power_A	20666.7	12808.0	10333.35	6404.0
load	N_1800004277	constant_power_B	20666.7	12808.0	10333.35	6404.0
load	N_1800004277	constant_power_C	20666.7	12808.0	10333.35	6404.0
load	N_1800004277	constant_power_A_real	20666.7	0.0	10333.35	0.0
load	N_1800004277	constant_power_B_real	20666.7	0.0	10333.35	0.0
load	N_1800004277	constant_power_C_real	20666.7	0.0	10333.35	0.0
load	N_1800004277	constant_power_A_reac	12808.0	0.0	6404.0	0.0
load	N_1800004277	constant_power_B_reac	12808.0	0.0	6404.0	0.0
load	N_1800004277	constant_power_C_reac	12808.0	0.0	6404.0	0.0
load	N_1800053752	constant_power_A	328.744	108.053	164.372	54.0265
load	N_1800053752	constant_power_B	328.744	108.053	164.372	54.0265
load	N_1800053752	constant_power_C	328.744	108.053	164.372	54.0265
load	N_1800053752	constant_power_A_real	328.744	0.0	164.372	0.0
load	N_1800053752	constant_power_B_real	328.744	0.0	164.372	0.0
load	N_1800053752	constant_power_C_real	328.744	0.0	164.372	0.0
load	N_1800053752	constant_power_A_reac	108.053	0.0	54.0265	0.0
load	N_1800053752	constant_power_B_reac	108.053	0.0	54.0265	0.0
load	N_1800053752	constant_power_C_reac	108.053	0.0	54.0265	0.0
load	N_1800053753	constant_power_A	114.492	63.3463	57.246	31.67315
load	N_1800053753	constant_power_B	114.492	63.3463	57.246	31.67315
load	N_1800053753	constant_power_C	114.492	63.3463	57.246	31.67315
load	N_1800053753	constant_power_A_real	114.492	0.0	57.246	0.0
load	N_1800053753	constant_power_B_real	114.492	0.0	57.246	0.0
load	N_1800053753	constant_power_C_real	114.492	0.0	57.246	0.0
load	N_1800053753	constant_power_A_reac	63.3463	0.0	31.67315	0.0
load	N_1800053753	constant_power_B_reac	63.3463	0.0	31.67315	0.0
load	N_1800053753	constant_power_C_reac	63.3463	0.0	31.67315	0.0
load	N_1800053750	constant_power_A	270.473	149.648	135.2365	74.824
load	N_1800053750	constant_power_B	270.473	149.648	135.2365	74.824
load	N_1800053750	constant_power_A_real	270.473	0.0	135.2365	0.0
load	N_1800053750	constant_power_B_real	270.473	0.0	135.2365	0.0
load	N_1800053750	constant_power_A_reac	149.648	0.0	74.824	0.0
load	N_1800053750	constant_power_B_reac	149.648	0.0	74.824	0.0
load	N_1800053756	constant_power_A	850.577	279.571	425.2885	139.7855
load	N_1800053756	constant_power_B	850.577	279.571	425.2885	139.7855
load	N_1800053756	constant_power_A_real	850.577	0.0	425.2885	0.0
load	N_1800053756	constant_power_B_real	850.577	0.0	425.2885	0.0
load	N_1800053756	constant_power_A_reac	279.571	0.0	139.7855	0.0
load	N_1800053756	constant_power_B_reac	279.571	0.0	139.7855	0.0
load	N_1800040525	constant_power_A	15.6633	8.93891	7.83165	4.469455

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800040525	constant_power_B	15.6633	8.93891	7.83165	4.469455
load	N_1800040525	constant_power_C	15.6633	8.93891	7.83165	4.469455
load	N_1800040525	constant_power_A_real	15.6633	0.0	7.83165	0.0
load	N_1800040525	constant_power_B_real	15.6633	0.0	7.83165	0.0
load	N_1800040525	constant_power_C_real	15.6633	0.0	7.83165	0.0
load	N_1800040525	constant_power_A_reac	8.93891	0.0	4.469455	0.0
load	N_1800040525	constant_power_B_reac	8.93891	0.0	4.469455	0.0
load	N_1800040525	constant_power_C_reac	8.93891	0.0	4.469455	0.0
load	N_1800053759	constant_power_A	758.834	249.417	379.417	124.7085
load	N_1800053759	constant_power_B	758.834	249.417	379.417	124.7085
load	N_1800053759	constant_power_A_real	758.834	0.0	379.417	0.0
load	N_1800053759	constant_power_B_real	758.834	0.0	379.417	0.0
load	N_1800053759	constant_power_A_reac	249.417	0.0	124.7085	0.0
load	N_1800053759	constant_power_B_reac	249.417	0.0	124.7085	0.0
load	N_1800054150	constant_power_A	113.28	37.2333	56.64	18.61665
load	N_1800054150	constant_power_B	113.28	37.2333	56.64	18.61665
load	N_1800054150	constant_power_A_real	113.28	0.0	56.64	0.0
load	N_1800054150	constant_power_B_real	113.28	0.0	56.64	0.0
load	N_1800054150	constant_power_A_reac	37.2333	0.0	18.61665	0.0
load	N_1800054150	constant_power_B_reac	37.2333	0.0	18.61665	0.0
load	N_1800035551	constant_power_A	28.53	9.37736	14.265	4.68868
load	N_1800035551	constant_power_B	28.53	9.37736	14.265	4.68868
load	N_1800035551	constant_power_A_real	28.53	0.0	14.265	0.0
load	N_1800035551	constant_power_B_real	28.53	0.0	14.265	0.0
load	N_1800035551	constant_power_A_reac	9.37736	0.0	4.68868	0.0
load	N_1800035551	constant_power_B_reac	9.37736	0.0	4.68868	0.0
load	N_1800035552	constant_power_A	562.576	184.91	281.288	92.455
load	N_1800035552	constant_power_B	562.576	184.91	281.288	92.455
load	N_1800035552	constant_power_C	562.576	184.91	281.288	92.455
load	N_1800035552	constant_power_A_real	562.576	0.0	281.288	0.0
load	N_1800035552	constant_power_B_real	562.576	0.0	281.288	0.0
load	N_1800035552	constant_power_C_real	562.576	0.0	281.288	0.0
load	N_1800035552	constant_power_A_reac	184.91	0.0	92.455	0.0
load	N_1800035552	constant_power_B_reac	184.91	0.0	92.455	0.0
load	N_1800035552	constant_power_C_reac	184.91	0.0	92.455	0.0
load	N_1800035553	constant_power_A	495.074	162.723	247.537	81.3615
load	N_1800035553	constant_power_B	495.074	162.723	247.537	81.3615
load	N_1800035553	constant_power_A_real	495.074	0.0	247.537	0.0
load	N_1800035553	constant_power_B_real	495.074	0.0	247.537	0.0
load	N_1800035553	constant_power_A_reac	162.723	0.0	81.3615	0.0
load	N_1800035553	constant_power_B_reac	162.723	0.0	81.3615	0.0
load	N_1800006983	constant_power_A	142.276	46.7638	71.138	23.3819
load	N_1800006983	constant_power_B	142.276	46.7638	71.138	23.3819
load	N_1800006983	constant_power_C	142.276	46.7638	71.138	23.3819
load	N_1800006983	constant_power_A_real	142.276	0.0	71.138	0.0
load	N_1800006983	constant_power_B_real	142.276	0.0	71.138	0.0
load	N_1800006983	constant_power_C_real	142.276	0.0	71.138	0.0
load	N_1800006983	constant_power_A_reac	46.7638	0.0	23.3819	0.0
load	N_1800006983	constant_power_B_reac	46.7638	0.0	23.3819	0.0
load	N_1800006983	constant_power_C_reac	46.7638	0.0	23.3819	0.0
load	N_1800018019	constant_power_A	5333.33	3305.3	2666.665	1652.65
load	N_1800018019	constant_power_B	5333.33	3305.3	2666.665	1652.65
load	N_1800018019	constant_power_C	5333.33	3305.3	2666.665	1652.65
load	N_1800018019	constant_power_A_real	5333.33	0.0	2666.665	0.0
load	N_1800018019	constant_power_B_real	5333.33	0.0	2666.665	0.0
load	N_1800018019	constant_power_C_real	5333.33	0.0	2666.665	0.0
load	N_1800018019	constant_power_A_reac	3305.3	0.0	1652.65	0.0
load	N_1800018019	constant_power_B_reac	3305.3	0.0	1652.65	0.0
load	N_1800018019	constant_power_C_reac	3305.3	0.0	1652.65	0.0
load	N_1800002027	constant_power_A	3117.25	1869.61	1558.625	934.805
load	N_1800002027	constant_power_B	3117.25	1869.61	1558.625	934.805
load	N_1800002027	constant_power_C	3117.25	1869.61	1558.625	934.805
load	N_1800002027	constant_power_A_real	3117.25	0.0	1558.625	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800002027	constant_power_B_real	3117.25	0.0	1558.625	0.0
load	N_1800002027	constant_power_C_real	3117.25	0.0	1558.625	0.0
load	N_1800002027	constant_power_A_reac	1869.61	0.0	934.805	0.0
load	N_1800002027	constant_power_B_reac	1869.61	0.0	934.805	0.0
load	N_1800002027	constant_power_C_reac	1869.61	0.0	934.805	0.0
load	N_1800054088	constant_power_A	308.047	147.696	154.0235	73.848
load	N_1800054088	constant_power_B	308.047	147.696	154.0235	73.848
load	N_1800054088	constant_power_C	308.047	147.696	154.0235	73.848
load	N_1800054088	constant_power_A_real	308.047	0.0	154.0235	0.0
load	N_1800054088	constant_power_B_real	308.047	0.0	154.0235	0.0
load	N_1800054088	constant_power_C_real	308.047	0.0	154.0235	0.0
load	N_1800054088	constant_power_A_reac	147.696	0.0	73.848	0.0
load	N_1800054088	constant_power_B_reac	147.696	0.0	73.848	0.0
load	N_1800054088	constant_power_C_reac	147.696	0.0	73.848	0.0
load	N_1800002020	constant_power_A	1028.0	497.705	514.0	248.8525
load	N_1800002020	constant_power_B	1028.0	497.705	514.0	248.8525
load	N_1800002020	constant_power_C	1028.0	497.705	514.0	248.8525
load	N_1800002020	constant_power_A_real	1028.0	0.0	514.0	0.0
load	N_1800002020	constant_power_B_real	1028.0	0.0	514.0	0.0
load	N_1800002020	constant_power_C_real	1028.0	0.0	514.0	0.0
load	N_1800002020	constant_power_A_reac	497.705	0.0	248.8525	0.0
load	N_1800002020	constant_power_B_reac	497.705	0.0	248.8525	0.0
load	N_1800002020	constant_power_C_reac	497.705	0.0	248.8525	0.0
load	N_1800007581	constant_power_A	936.726	307.887	468.363	153.9435
load	N_1800007581	constant_power_B	936.726	307.887	468.363	153.9435
load	N_1800007581	constant_power_A_real	936.726	0.0	468.363	0.0
load	N_1800007581	constant_power_B_real	936.726	0.0	468.363	0.0
load	N_1800007581	constant_power_A_reac	307.887	0.0	153.9435	0.0
load	N_1800007581	constant_power_B_reac	307.887	0.0	153.9435	0.0
load	N_1800018370	constant_power_A	112.254	36.8962	56.127	18.4481
load	N_1800018370	constant_power_B	112.254	36.8962	56.127	18.4481
load	N_1800018370	constant_power_C	112.254	36.8962	56.127	18.4481
load	N_1800018370	constant_power_A_real	112.254	0.0	56.127	0.0
load	N_1800018370	constant_power_B_real	112.254	0.0	56.127	0.0
load	N_1800018370	constant_power_C_real	112.254	0.0	56.127	0.0
load	N_1800018370	constant_power_A_reac	36.8962	0.0	18.4481	0.0
load	N_1800018370	constant_power_B_reac	36.8962	0.0	18.4481	0.0
load	N_1800018370	constant_power_C_reac	36.8962	0.0	18.4481	0.0
load	N_1800054098	constant_power_A	37.2937	23.1125	18.64685	11.55625
load	N_1800054098	constant_power_B	37.2937	23.1125	18.64685	11.55625
load	N_1800054098	constant_power_C	37.2937	23.1125	18.64685	11.55625
load	N_1800054098	constant_power_A_real	37.2937	0.0	18.64685	0.0
load	N_1800054098	constant_power_B_real	37.2937	0.0	18.64685	0.0
load	N_1800054098	constant_power_C_real	37.2937	0.0	18.64685	0.0
load	N_1800054098	constant_power_A_reac	23.1125	0.0	11.55625	0.0
load	N_1800054098	constant_power_B_reac	23.1125	0.0	11.55625	0.0
load	N_1800054098	constant_power_C_reac	23.1125	0.0	11.55625	0.0
load	N_1800026582	constant_power_A	236.349	77.6842	118.1745	38.8421
load	N_1800026582	constant_power_B	236.349	77.6842	118.1745	38.8421
load	N_1800026582	constant_power_A_real	236.349	0.0	118.1745	0.0
load	N_1800026582	constant_power_B_real	236.349	0.0	118.1745	0.0
load	N_1800026582	constant_power_A_reac	77.6842	0.0	38.8421	0.0
load	N_1800026582	constant_power_B_reac	77.6842	0.0	38.8421	0.0
load	N_1800054220	constant_power_A	113.932	37.4477	56.966	18.72385
load	N_1800054220	constant_power_B	113.932	37.4477	56.966	18.72385
load	N_1800054220	constant_power_C	113.932	37.4477	56.966	18.72385
load	N_1800054220	constant_power_A_real	113.932	0.0	56.966	0.0
load	N_1800054220	constant_power_B_real	113.932	0.0	56.966	0.0
load	N_1800054220	constant_power_C_real	113.932	0.0	56.966	0.0
load	N_1800054220	constant_power_A_reac	37.4477	0.0	18.72385	0.0
load	N_1800054220	constant_power_B_reac	37.4477	0.0	18.72385	0.0
load	N_1800054220	constant_power_C_reac	37.4477	0.0	18.72385	0.0
load	N_1800054187	constant_power_A	256.395	84.566	128.1975	42.283

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054187	constant_power_B	256.395	84.566	128.1975	42.283
load	N_1800054187	constant_power_C	256.395	84.566	128.1975	42.283
load	N_1800054187	constant_power_A_real	256.395	0.0	128.1975	0.0
load	N_1800054187	constant_power_B_real	256.395	0.0	128.1975	0.0
load	N_1800054187	constant_power_C_real	256.395	0.0	128.1975	0.0
load	N_1800054187	constant_power_A_reac	84.566	0.0	42.283	0.0
load	N_1800054187	constant_power_B_reac	84.566	0.0	42.283	0.0
load	N_1800054187	constant_power_C_reac	84.566	0.0	42.283	0.0
load	N_1800004957	constant_power_A	496.193	190.167	248.0965	95.0835
load	N_1800004957	constant_power_B	496.193	190.167	248.0965	95.0835
load	N_1800004957	constant_power_A_real	496.193	0.0	248.0965	0.0
load	N_1800004957	constant_power_B_real	496.193	0.0	248.0965	0.0
load	N_1800004957	constant_power_A_reac	190.167	0.0	95.0835	0.0
load	N_1800004957	constant_power_B_reac	190.167	0.0	95.0835	0.0
load	N_1800054028	constant_power_A	503.652	165.542	251.826	82.771
load	N_1800054028	constant_power_B	503.652	165.542	251.826	82.771
load	N_1800054028	constant_power_C	503.652	165.542	251.826	82.771
load	N_1800054028	constant_power_A_real	503.652	0.0	251.826	0.0
load	N_1800054028	constant_power_B_real	503.652	0.0	251.826	0.0
load	N_1800054028	constant_power_C_real	503.652	0.0	251.826	0.0
load	N_1800054028	constant_power_A_reac	165.542	0.0	82.771	0.0
load	N_1800054028	constant_power_B_reac	165.542	0.0	82.771	0.0
load	N_1800054028	constant_power_C_reac	165.542	0.0	82.771	0.0
load	N_1800030278	constant_power_A	727.973	382.882	363.9865	191.441
load	N_1800030278	constant_power_B	727.973	382.882	363.9865	191.441
load	N_1800030278	constant_power_C	727.973	382.882	363.9865	191.441
load	N_1800030278	constant_power_A_real	727.973	0.0	363.9865	0.0
load	N_1800030278	constant_power_B_real	727.973	0.0	363.9865	0.0
load	N_1800030278	constant_power_C_real	727.973	0.0	363.9865	0.0
load	N_1800030278	constant_power_A_reac	382.882	0.0	191.441	0.0
load	N_1800030278	constant_power_B_reac	382.882	0.0	191.441	0.0
load	N_1800030278	constant_power_C_reac	382.882	0.0	191.441	0.0
load	N_1800030276	constant_power_A	150.107	56.8346	75.0535	28.4173
load	N_1800030276	constant_power_B	150.107	56.8346	75.0535	28.4173
load	N_1800030276	constant_power_C	150.107	56.8346	75.0535	28.4173
load	N_1800030276	constant_power_A_real	150.107	0.0	75.0535	0.0
load	N_1800030276	constant_power_B_real	150.107	0.0	75.0535	0.0
load	N_1800030276	constant_power_C_real	150.107	0.0	75.0535	0.0
load	N_1800030276	constant_power_A_reac	56.8346	0.0	28.4173	0.0
load	N_1800030276	constant_power_B_reac	56.8346	0.0	28.4173	0.0
load	N_1800030276	constant_power_C_reac	56.8346	0.0	28.4173	0.0
load	N_1800030274	constant_power_A	918.358	508.112	459.179	254.056
load	N_1800030274	constant_power_B	918.358	508.112	459.179	254.056
load	N_1800030274	constant_power_C	918.358	508.112	459.179	254.056
load	N_1800030274	constant_power_A_real	918.358	0.0	459.179	0.0
load	N_1800030274	constant_power_B_real	918.358	0.0	459.179	0.0
load	N_1800030274	constant_power_C_real	918.358	0.0	459.179	0.0
load	N_1800030274	constant_power_A_reac	508.112	0.0	254.056	0.0
load	N_1800030274	constant_power_B_reac	508.112	0.0	254.056	0.0
load	N_1800030274	constant_power_C_reac	508.112	0.0	254.056	0.0
load	N_1800030275	constant_power_A	104.236	34.2607	52.118	17.13035
load	N_1800030275	constant_power_B	104.236	34.2607	52.118	17.13035
load	N_1800030275	constant_power_C	104.236	34.2607	52.118	17.13035
load	N_1800030275	constant_power_A_real	104.236	0.0	52.118	0.0
load	N_1800030275	constant_power_B_real	104.236	0.0	52.118	0.0
load	N_1800030275	constant_power_C_real	104.236	0.0	52.118	0.0
load	N_1800030275	constant_power_A_reac	34.2607	0.0	17.13035	0.0
load	N_1800030275	constant_power_B_reac	34.2607	0.0	17.13035	0.0
load	N_1800030275	constant_power_C_reac	34.2607	0.0	17.13035	0.0
load	N_1800030273	constant_power_A	1063.62	461.458	531.81	230.729
load	N_1800030273	constant_power_B	1063.62	461.458	531.81	230.729
load	N_1800030273	constant_power_C	1063.62	461.458	531.81	230.729
load	N_1800030273	constant_power_A_real	1063.62	0.0	531.81	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800030273	constant_power_B_real	1063.62	0.0	531.81	0.0
load	N_1800030273	constant_power_C_real	1063.62	0.0	531.81	0.0
load	N_1800030273	constant_power_A_reac	461.458	0.0	230.729	0.0
load	N_1800030273	constant_power_B_reac	461.458	0.0	230.729	0.0
load	N_1800030273	constant_power_C_reac	461.458	0.0	230.729	0.0
load	N_1800054188	constant_power_A	606.21	199.251	303.105	99.6255
load	N_1800054188	constant_power_B	606.21	199.251	303.105	99.6255
load	N_1800054188	constant_power_C	606.21	199.251	303.105	99.6255
load	N_1800054188	constant_power_A_real	606.21	0.0	303.105	0.0
load	N_1800054188	constant_power_B_real	606.21	0.0	303.105	0.0
load	N_1800054188	constant_power_C_real	606.21	0.0	303.105	0.0
load	N_1800054188	constant_power_A_reac	199.251	0.0	99.6255	0.0
load	N_1800054188	constant_power_B_reac	199.251	0.0	99.6255	0.0
load	N_1800054188	constant_power_C_reac	199.251	0.0	99.6255	0.0
load	N_1800054189	constant_power_A	415.639	136.614	207.8195	68.307
load	N_1800054189	constant_power_B	415.639	136.614	207.8195	68.307
load	N_1800054189	constant_power_C	415.639	136.614	207.8195	68.307
load	N_1800054189	constant_power_A_real	415.639	0.0	207.8195	0.0
load	N_1800054189	constant_power_B_real	415.639	0.0	207.8195	0.0
load	N_1800054189	constant_power_C_real	415.639	0.0	207.8195	0.0
load	N_1800054189	constant_power_A_reac	136.614	0.0	68.307	0.0
load	N_1800054189	constant_power_B_reac	136.614	0.0	68.307	0.0
load	N_1800054189	constant_power_C_reac	136.614	0.0	68.307	0.0
load	N_1800195796	constant_power_A	555.304	307.24	277.652	153.62
load	N_1800195796	constant_power_B	555.304	307.24	277.652	153.62
load	N_1800195796	constant_power_C	555.304	307.24	277.652	153.62
load	N_1800195796	constant_power_A_real	555.304	0.0	277.652	0.0
load	N_1800195796	constant_power_B_real	555.304	0.0	277.652	0.0
load	N_1800195796	constant_power_C_real	555.304	0.0	277.652	0.0
load	N_1800195796	constant_power_A_reac	307.24	0.0	153.62	0.0
load	N_1800195796	constant_power_B_reac	307.24	0.0	153.62	0.0
load	N_1800195796	constant_power_C_reac	307.24	0.0	153.62	0.0
load	N_1800054207	constant_power_A	304.317	188.599	152.1585	94.2995
load	N_1800054207	constant_power_B	304.317	188.599	152.1585	94.2995
load	N_1800054207	constant_power_C	304.317	188.599	152.1585	94.2995
load	N_1800054207	constant_power_A_real	304.317	0.0	152.1585	0.0
load	N_1800054207	constant_power_B_real	304.317	0.0	152.1585	0.0
load	N_1800054207	constant_power_C_real	304.317	0.0	152.1585	0.0
load	N_1800054207	constant_power_A_reac	188.599	0.0	94.2995	0.0
load	N_1800054207	constant_power_B_reac	188.599	0.0	94.2995	0.0
load	N_1800054207	constant_power_C_reac	188.599	0.0	94.2995	0.0
load	N_1800054206	constant_power_A	197.47	104.928	98.735	52.464
load	N_1800054206	constant_power_B	197.47	104.928	98.735	52.464
load	N_1800054206	constant_power_C	197.47	104.928	98.735	52.464
load	N_1800054206	constant_power_A_real	197.47	0.0	98.735	0.0
load	N_1800054206	constant_power_B_real	197.47	0.0	98.735	0.0
load	N_1800054206	constant_power_C_real	197.47	0.0	98.735	0.0
load	N_1800054206	constant_power_A_reac	104.928	0.0	52.464	0.0
load	N_1800054206	constant_power_B_reac	104.928	0.0	52.464	0.0
load	N_1800054206	constant_power_C_reac	104.928	0.0	52.464	0.0
load	N_1800054201	constant_power_A	0.932333	0.577808	0.4661665	0.288904
load	N_1800054201	constant_power_B	0.932333	0.577808	0.4661665	0.288904
load	N_1800054201	constant_power_C	0.932333	0.577808	0.4661665	0.288904
load	N_1800054201	constant_power_A_real	0.932333	0.0	0.4661665	0.0
load	N_1800054201	constant_power_B_real	0.932333	0.0	0.4661665	0.0
load	N_1800054201	constant_power_C_real	0.932333	0.0	0.4661665	0.0
load	N_1800054201	constant_power_A_reac	0.577808	0.0	0.288904	0.0
load	N_1800054201	constant_power_B_reac	0.577808	0.0	0.288904	0.0
load	N_1800054201	constant_power_C_reac	0.577808	0.0	0.288904	0.0
load	N_1800080735	constant_power_A	3.916	2.16666	1.958	1.08333
load	N_1800080735	constant_power_B	3.916	2.16666	1.958	1.08333
load	N_1800080735	constant_power_C	3.916	2.16666	1.958	1.08333
load	N_1800080735	constant_power_A_real	3.916	0.0	1.958	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800080735	constant_power_B_real	3.916	0.0	1.958	0.0
load	N_1800080735	constant_power_C_real	3.916	0.0	1.958	0.0
load	N_1800080735	constant_power_A_reac	2.16666	0.0	1.08333	0.0
load	N_1800080735	constant_power_B_reac	2.16666	0.0	1.08333	0.0
load	N_1800080735	constant_power_C_reac	2.16666	0.0	1.08333	0.0
load	N_1800054164	constant_power_A	447.245	147.002	223.6225	73.501
load	N_1800054164	constant_power_B	447.245	147.002	223.6225	73.501
load	N_1800054164	constant_power_A_real	447.245	0.0	223.6225	0.0
load	N_1800054164	constant_power_B_real	447.245	0.0	223.6225	0.0
load	N_1800054164	constant_power_A_reac	147.002	0.0	73.501	0.0
load	N_1800054164	constant_power_B_reac	147.002	0.0	73.501	0.0
load	N_1800054160	constant_power_A	786.245	267.033	393.1225	133.5165
load	N_1800054160	constant_power_B	786.245	267.033	393.1225	133.5165
load	N_1800054160	constant_power_A_real	786.245	0.0	393.1225	0.0
load	N_1800054160	constant_power_B_real	786.245	0.0	393.1225	0.0
load	N_1800054160	constant_power_A_reac	267.033	0.0	133.5165	0.0
load	N_1800054160	constant_power_B_reac	267.033	0.0	133.5165	0.0
load	N_1800054208	constant_power_A	161.668	100.193	80.834	50.0965
load	N_1800054208	constant_power_B	161.668	100.193	80.834	50.0965
load	N_1800054208	constant_power_C	161.668	100.193	80.834	50.0965
load	N_1800054208	constant_power_A_real	161.668	0.0	80.834	0.0
load	N_1800054208	constant_power_B_real	161.668	0.0	80.834	0.0
load	N_1800054208	constant_power_C_real	161.668	0.0	80.834	0.0
load	N_1800054208	constant_power_A_reac	100.193	0.0	50.0965	0.0
load	N_1800054208	constant_power_B_reac	100.193	0.0	50.0965	0.0
load	N_1800054208	constant_power_C_reac	100.193	0.0	50.0965	0.0
load	N_1800004259	constant_power_A	66.9423	41.4871	33.47115	20.74355
load	N_1800004259	constant_power_B	66.9423	41.4871	33.47115	20.74355
load	N_1800004259	constant_power_C	66.9423	41.4871	33.47115	20.74355
load	N_1800004259	constant_power_A_real	66.9423	0.0	33.47115	0.0
load	N_1800004259	constant_power_B_real	66.9423	0.0	33.47115	0.0
load	N_1800004259	constant_power_C_real	66.9423	0.0	33.47115	0.0
load	N_1800004259	constant_power_A_reac	41.4871	0.0	20.74355	0.0
load	N_1800004259	constant_power_B_reac	41.4871	0.0	20.74355	0.0
load	N_1800004259	constant_power_C_reac	41.4871	0.0	20.74355	0.0
load	N_1800040939	constant_power_A	823.445	286.861	411.7225	143.4305
load	N_1800040939	constant_power_B	823.445	286.861	411.7225	143.4305
load	N_1800040939	constant_power_A_real	823.445	0.0	411.7225	0.0
load	N_1800040939	constant_power_B_real	823.445	0.0	411.7225	0.0
load	N_1800040939	constant_power_A_reac	286.861	0.0	143.4305	0.0
load	N_1800040939	constant_power_B_reac	286.861	0.0	143.4305	0.0
load	N_1800042891	constant_power_A	86.988	29.2827	43.494	14.64135
load	N_1800042891	constant_power_B	86.988	29.2827	43.494	14.64135
load	N_1800042891	constant_power_A_real	86.988	0.0	43.494	0.0
load	N_1800042891	constant_power_B_real	86.988	0.0	43.494	0.0
load	N_1800042891	constant_power_A_reac	29.2827	0.0	14.64135	0.0
load	N_1800042891	constant_power_B_reac	29.2827	0.0	14.64135	0.0
load	N_1800022434	constant_power_A	149667.0	92755.1	74833.5	46377.55
load	N_1800022434	constant_power_B	149667.0	92755.1	74833.5	46377.55
load	N_1800022434	constant_power_C	149667.0	92755.1	74833.5	46377.55
load	N_1800022434	constant_power_A_real	149667.0	0.0	74833.5	0.0
load	N_1800022434	constant_power_B_real	149667.0	0.0	74833.5	0.0
load	N_1800022434	constant_power_C_real	149667.0	0.0	74833.5	0.0
load	N_1800022434	constant_power_A_reac	92755.1	0.0	46377.55	0.0
load	N_1800022434	constant_power_B_reac	92755.1	0.0	46377.55	0.0
load	N_1800022434	constant_power_C_reac	92755.1	0.0	46377.55	0.0
load	N_1800053472	constant_power_A	572.272	188.097	286.136	94.0485
load	N_1800053472	constant_power_B	572.272	188.097	286.136	94.0485
load	N_1800053472	constant_power_A_real	572.272	0.0	286.136	0.0
load	N_1800053472	constant_power_B_real	572.272	0.0	286.136	0.0
load	N_1800053472	constant_power_A_reac	188.097	0.0	94.0485	0.0
load	N_1800053472	constant_power_B_reac	188.097	0.0	94.0485	0.0
load	N_1800053471	constant_power_A	67.968	22.34	33.984	11.17

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053471	constant_power_B	67.968	22.34	33.984	11.17
load	N_1800053471	constant_power_A_real	67.968	0.0	33.984	0.0
load	N_1800053471	constant_power_B_real	67.968	0.0	33.984	0.0
load	N_1800053471	constant_power_A_reac	22.34	0.0	11.17	0.0
load	N_1800053471	constant_power_B_reac	22.34	0.0	11.17	0.0
load	N_1800053470	constant_power_A	139.292	51.06	69.646	25.53
load	N_1800053470	constant_power_B	139.292	51.06	69.646	25.53
load	N_1800053470	constant_power_C	139.292	51.06	69.646	25.53
load	N_1800053470	constant_power_A_real	139.292	0.0	69.646	0.0
load	N_1800053470	constant_power_B_real	139.292	0.0	69.646	0.0
load	N_1800053470	constant_power_C_real	139.292	0.0	69.646	0.0
load	N_1800053470	constant_power_A_reac	51.06	0.0	25.53	0.0
load	N_1800053470	constant_power_B_reac	51.06	0.0	25.53	0.0
load	N_1800053470	constant_power_C_reac	51.06	0.0	25.53	0.0
load	N_1800053477	constant_power_A	100.973	33.1882	50.4865	16.5941
load	N_1800053477	constant_power_B	100.973	33.1882	50.4865	16.5941
load	N_1800053477	constant_power_A_real	100.973	0.0	50.4865	0.0
load	N_1800053477	constant_power_B_real	100.973	0.0	50.4865	0.0
load	N_1800053477	constant_power_A_reac	33.1882	0.0	16.5941	0.0
load	N_1800053477	constant_power_B_reac	33.1882	0.0	16.5941	0.0
load	N_1800053476	constant_power_A	224.322	124.113	112.161	62.0565
load	N_1800053476	constant_power_B	224.322	124.113	112.161	62.0565
load	N_1800053476	constant_power_C	224.322	124.113	112.161	62.0565
load	N_1800053476	constant_power_A_real	224.322	0.0	112.161	0.0
load	N_1800053476	constant_power_B_real	224.322	0.0	112.161	0.0
load	N_1800053476	constant_power_C_real	224.322	0.0	112.161	0.0
load	N_1800053476	constant_power_A_reac	124.113	0.0	62.0565	0.0
load	N_1800053476	constant_power_B_reac	124.113	0.0	62.0565	0.0
load	N_1800053476	constant_power_C_reac	124.113	0.0	62.0565	0.0
load	N_1800053474	constant_power_A	600.802	197.474	300.401	98.737
load	N_1800053474	constant_power_B	600.802	197.474	300.401	98.737
load	N_1800053474	constant_power_C	600.802	197.474	300.401	98.737
load	N_1800053474	constant_power_A_real	600.802	0.0	300.401	0.0
load	N_1800053474	constant_power_B_real	600.802	0.0	300.401	0.0
load	N_1800053474	constant_power_C_real	600.802	0.0	300.401	0.0
load	N_1800053474	constant_power_A_reac	197.474	0.0	98.737	0.0
load	N_1800053474	constant_power_B_reac	197.474	0.0	98.737	0.0
load	N_1800053474	constant_power_C_reac	197.474	0.0	98.737	0.0
load	N_1800053479	constant_power_A	152.531	50.1346	76.2655	25.0673
load	N_1800053479	constant_power_B	152.531	50.1346	76.2655	25.0673
load	N_1800053479	constant_power_C	152.531	50.1346	76.2655	25.0673
load	N_1800053479	constant_power_A_real	152.531	0.0	76.2655	0.0
load	N_1800053479	constant_power_B_real	152.531	0.0	76.2655	0.0
load	N_1800053479	constant_power_C_real	152.531	0.0	76.2655	0.0
load	N_1800053479	constant_power_A_reac	50.1346	0.0	25.0673	0.0
load	N_1800053479	constant_power_B_reac	50.1346	0.0	25.0673	0.0
load	N_1800053479	constant_power_C_reac	50.1346	0.0	25.0673	0.0
load	N_1800053571	constant_power_A	4.84833	1.59357	2.424165	0.796785
load	N_1800053571	constant_power_B	4.84833	1.59357	2.424165	0.796785
load	N_1800053571	constant_power_C	4.84833	1.59357	2.424165	0.796785
load	N_1800053571	constant_power_A_real	4.84833	0.0	2.424165	0.0
load	N_1800053571	constant_power_B_real	4.84833	0.0	2.424165	0.0
load	N_1800053571	constant_power_C_real	4.84833	0.0	2.424165	0.0
load	N_1800053571	constant_power_A_reac	1.59357	0.0	0.796785	0.0
load	N_1800053571	constant_power_B_reac	1.59357	0.0	0.796785	0.0
load	N_1800053571	constant_power_C_reac	1.59357	0.0	0.796785	0.0
load	N_1800053576	constant_power_A	42.7013	14.0352	21.35065	7.0176
load	N_1800053576	constant_power_B	42.7013	14.0352	21.35065	7.0176
load	N_1800053576	constant_power_C	42.7013	14.0352	21.35065	7.0176
load	N_1800053576	constant_power_A_real	42.7013	0.0	21.35065	0.0
load	N_1800053576	constant_power_B_real	42.7013	0.0	21.35065	0.0
load	N_1800053576	constant_power_C_real	42.7013	0.0	21.35065	0.0
load	N_1800053576	constant_power_A_reac	14.0352	0.0	7.0176	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053576	constant_power_B_reac	14.0352	0.0	7.0176	0.0
load	N_1800053576	constant_power_C_reac	14.0352	0.0	7.0176	0.0
load	N_1800054118	constant_power_A	186.562	61.32	93.281	30.66
load	N_1800054118	constant_power_B	186.562	61.32	93.281	30.66
load	N_1800054118	constant_power_A_real	186.562	0.0	93.281	0.0
load	N_1800054118	constant_power_B_real	186.562	0.0	93.281	0.0
load	N_1800054118	constant_power_A_reac	61.32	0.0	30.66	0.0
load	N_1800054118	constant_power_B_reac	61.32	0.0	30.66	0.0
load	N_1800054110	constant_power_A	8333.33	5164.54	4166.665	2582.27
load	N_1800054110	constant_power_B	8333.33	5164.54	4166.665	2582.27
load	N_1800054110	constant_power_C	8333.33	5164.54	4166.665	2582.27
load	N_1800054110	constant_power_A_real	8333.33	0.0	4166.665	0.0
load	N_1800054110	constant_power_B_real	8333.33	0.0	4166.665	0.0
load	N_1800054110	constant_power_C_real	8333.33	0.0	4166.665	0.0
load	N_1800054110	constant_power_A_reac	5164.54	0.0	2582.27	0.0
load	N_1800054110	constant_power_B_reac	5164.54	0.0	2582.27	0.0
load	N_1800054110	constant_power_C_reac	5164.54	0.0	2582.27	0.0
load	N_1800054113	constant_power_A	474.376	155.92	237.188	77.96
load	N_1800054113	constant_power_B	474.376	155.92	237.188	77.96
load	N_1800054113	constant_power_C	474.376	155.92	237.188	77.96
load	N_1800054113	constant_power_A_real	474.376	0.0	237.188	0.0
load	N_1800054113	constant_power_B_real	474.376	0.0	237.188	0.0
load	N_1800054113	constant_power_C_real	474.376	0.0	237.188	0.0
load	N_1800054113	constant_power_A_reac	155.92	0.0	77.96	0.0
load	N_1800054113	constant_power_B_reac	155.92	0.0	77.96	0.0
load	N_1800054113	constant_power_C_reac	155.92	0.0	77.96	0.0
load	N_1800029347	constant_power_A	765.641	251.654	382.8205	125.827
load	N_1800029347	constant_power_B	765.641	251.654	382.8205	125.827
load	N_1800029347	constant_power_C	765.641	251.654	382.8205	125.827
load	N_1800029347	constant_power_A_real	765.641	0.0	382.8205	0.0
load	N_1800029347	constant_power_B_real	765.641	0.0	382.8205	0.0
load	N_1800029347	constant_power_C_real	765.641	0.0	382.8205	0.0
load	N_1800029347	constant_power_A_reac	251.654	0.0	125.827	0.0
load	N_1800029347	constant_power_B_reac	251.654	0.0	125.827	0.0
load	N_1800029347	constant_power_C_reac	251.654	0.0	125.827	0.0
load	N_1800054115	constant_power_A	117.289	72.689	58.6445	36.3445
load	N_1800054115	constant_power_B	117.289	72.689	58.6445	36.3445
load	N_1800054115	constant_power_C	117.289	72.689	58.6445	36.3445
load	N_1800054115	constant_power_A_real	117.289	0.0	58.6445	0.0
load	N_1800054115	constant_power_B_real	117.289	0.0	58.6445	0.0
load	N_1800054115	constant_power_C_real	117.289	0.0	58.6445	0.0
load	N_1800054115	constant_power_A_reac	72.689	0.0	36.3445	0.0
load	N_1800054115	constant_power_B_reac	72.689	0.0	36.3445	0.0
load	N_1800054115	constant_power_C_reac	72.689	0.0	36.3445	0.0
load	N_1800054114	constant_power_A	158.498	59.2575	79.249	29.62875
load	N_1800054114	constant_power_B	158.498	59.2575	79.249	29.62875
load	N_1800054114	constant_power_C	158.498	59.2575	79.249	29.62875
load	N_1800054114	constant_power_A_real	158.498	0.0	79.249	0.0
load	N_1800054114	constant_power_B_real	158.498	0.0	79.249	0.0
load	N_1800054114	constant_power_C_real	158.498	0.0	79.249	0.0
load	N_1800054114	constant_power_A_reac	59.2575	0.0	29.62875	0.0
load	N_1800054114	constant_power_B_reac	59.2575	0.0	29.62875	0.0
load	N_1800054114	constant_power_C_reac	59.2575	0.0	29.62875	0.0
load	N_1800016691	constant_power_A	320.353	178.273	160.1765	89.1365
load	N_1800016691	constant_power_B	320.353	178.273	160.1765	89.1365
load	N_1800016691	constant_power_C	320.353	178.273	160.1765	89.1365
load	N_1800016691	constant_power_A_real	320.353	0.0	160.1765	0.0
load	N_1800016691	constant_power_B_real	320.353	0.0	160.1765	0.0
load	N_1800016691	constant_power_C_real	320.353	0.0	160.1765	0.0
load	N_1800016691	constant_power_A_reac	178.273	0.0	89.1365	0.0
load	N_1800016691	constant_power_B_reac	178.273	0.0	89.1365	0.0
load	N_1800016691	constant_power_C_reac	178.273	0.0	89.1365	0.0
load	N_1800031690	constant_power_A	770.302	280.827	385.151	140.4135

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031690	constant_power_B	770.302	280.827	385.151	140.4135
load	N_1800031690	constant_power_A_real	770.302	0.0	385.151	0.0
load	N_1800031690	constant_power_B_real	770.302	0.0	385.151	0.0
load	N_1800031690	constant_power_A_reac	280.827	0.0	140.4135	0.0
load	N_1800031690	constant_power_B_reac	280.827	0.0	140.4135	0.0
load	N_1800028754	constant_power_A	171.738	56.4476	85.869	28.2238
load	N_1800028754	constant_power_B	171.738	56.4476	85.869	28.2238
load	N_1800028754	constant_power_A_real	171.738	0.0	85.869	0.0
load	N_1800028754	constant_power_B_real	171.738	0.0	85.869	0.0
load	N_1800028754	constant_power_A_reac	56.4476	0.0	28.2238	0.0
load	N_1800028754	constant_power_B_reac	56.4476	0.0	28.2238	0.0
load	N_1800053717	constant_power_A	59.4833	20.7239	29.74165	10.36195
load	N_1800053717	constant_power_B	59.4833	20.7239	29.74165	10.36195
load	N_1800053717	constant_power_C	59.4833	20.7239	29.74165	10.36195
load	N_1800053717	constant_power_A_real	59.4833	0.0	29.74165	0.0
load	N_1800053717	constant_power_B_real	59.4833	0.0	29.74165	0.0
load	N_1800053717	constant_power_C_real	59.4833	0.0	29.74165	0.0
load	N_1800053717	constant_power_A_reac	20.7239	0.0	10.36195	0.0
load	N_1800053717	constant_power_B_reac	20.7239	0.0	10.36195	0.0
load	N_1800053717	constant_power_C_reac	20.7239	0.0	10.36195	0.0
load	N_1800017581	constant_power_A	475.122	156.165	237.561	78.0825
load	N_1800017581	constant_power_B	475.122	156.165	237.561	78.0825
load	N_1800017581	constant_power_C	475.122	156.165	237.561	78.0825
load	N_1800017581	constant_power_A_real	475.122	0.0	237.561	0.0
load	N_1800017581	constant_power_B_real	475.122	0.0	237.561	0.0
load	N_1800017581	constant_power_C_real	475.122	0.0	237.561	0.0
load	N_1800017581	constant_power_A_reac	156.165	0.0	78.0825	0.0
load	N_1800017581	constant_power_B_reac	156.165	0.0	78.0825	0.0
load	N_1800017581	constant_power_C_reac	156.165	0.0	78.0825	0.0
load	N_1800053712	constant_power_A	47.363	26.2052	23.6815	13.1026
load	N_1800053712	constant_power_B	47.363	26.2052	23.6815	13.1026
load	N_1800053712	constant_power_C	47.363	26.2052	23.6815	13.1026
load	N_1800053712	constant_power_A_real	47.363	0.0	23.6815	0.0
load	N_1800053712	constant_power_B_real	47.363	0.0	23.6815	0.0
load	N_1800053712	constant_power_C_real	47.363	0.0	23.6815	0.0
load	N_1800053712	constant_power_A_reac	26.2052	0.0	13.1026	0.0
load	N_1800053712	constant_power_B_reac	26.2052	0.0	13.1026	0.0
load	N_1800053712	constant_power_C_reac	26.2052	0.0	13.1026	0.0
load	N_1800053711	constant_power_A	68.2477	28.8397	34.12385	14.41985
load	N_1800053711	constant_power_B	68.2477	28.8397	34.12385	14.41985
load	N_1800053711	constant_power_C	68.2477	28.8397	34.12385	14.41985
load	N_1800053711	constant_power_A_real	68.2477	0.0	34.12385	0.0
load	N_1800053711	constant_power_B_real	68.2477	0.0	34.12385	0.0
load	N_1800053711	constant_power_C_real	68.2477	0.0	34.12385	0.0
load	N_1800053711	constant_power_A_reac	28.8397	0.0	14.41985	0.0
load	N_1800053711	constant_power_B_reac	28.8397	0.0	14.41985	0.0
load	N_1800053711	constant_power_C_reac	28.8397	0.0	14.41985	0.0
load	N_1800016050	constant_power_A	312.428	105.14	156.214	52.57
load	N_1800016050	constant_power_B	312.428	105.14	156.214	52.57
load	N_1800016050	constant_power_A_real	312.428	0.0	156.214	0.0
load	N_1800016050	constant_power_B_real	312.428	0.0	156.214	0.0
load	N_1800016050	constant_power_A_reac	105.14	0.0	52.57	0.0
load	N_1800016050	constant_power_B_reac	105.14	0.0	52.57	0.0
load	N_1800053719	constant_power_A	15.6633	5.77649	7.83165	2.888245
load	N_1800053719	constant_power_B	15.6633	5.77649	7.83165	2.888245
load	N_1800053719	constant_power_C	15.6633	5.77649	7.83165	2.888245
load	N_1800053719	constant_power_A_real	15.6633	0.0	7.83165	0.0
load	N_1800053719	constant_power_B_real	15.6633	0.0	7.83165	0.0
load	N_1800053719	constant_power_C_real	15.6633	0.0	7.83165	0.0
load	N_1800053719	constant_power_A_reac	5.77649	0.0	2.888245	0.0
load	N_1800053719	constant_power_B_reac	5.77649	0.0	2.888245	0.0
load	N_1800053719	constant_power_C_reac	5.77649	0.0	2.888245	0.0
load	N_1800053630	constant_power_A	1011.13	332.341	505.565	166.1705

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053630	constant_power_B	1011.13	332.341	505.565	166.1705
load	N_1800053630	constant_power_A_real	1011.13	0.0	505.565	0.0
load	N_1800053630	constant_power_B_real	1011.13	0.0	505.565	0.0
load	N_1800053630	constant_power_A_reac	332.341	0.0	166.1705	0.0
load	N_1800053630	constant_power_B_reac	332.341	0.0	166.1705	0.0
load	N_1800041439	constant_power_A	200.267	65.8247	100.1335	32.91235
load	N_1800041439	constant_power_B	200.267	65.8247	100.1335	32.91235
load	N_1800041439	constant_power_C	200.267	65.8247	100.1335	32.91235
load	N_1800041439	constant_power_A_real	200.267	0.0	100.1335	0.0
load	N_1800041439	constant_power_B_real	200.267	0.0	100.1335	0.0
load	N_1800041439	constant_power_C_real	200.267	0.0	100.1335	0.0
load	N_1800041439	constant_power_A_reac	65.8247	0.0	32.91235	0.0
load	N_1800041439	constant_power_B_reac	65.8247	0.0	32.91235	0.0
load	N_1800041439	constant_power_C_reac	65.8247	0.0	32.91235	0.0
load	N_1800001862	constant_power_A	139.106	76.9648	69.553	38.4824
load	N_1800001862	constant_power_B	139.106	76.9648	69.553	38.4824
load	N_1800001862	constant_power_C	139.106	76.9648	69.553	38.4824
load	N_1800001862	constant_power_A_real	139.106	0.0	69.553	0.0
load	N_1800001862	constant_power_B_real	139.106	0.0	69.553	0.0
load	N_1800001862	constant_power_C_real	139.106	0.0	69.553	0.0
load	N_1800001862	constant_power_A_reac	76.9648	0.0	38.4824	0.0
load	N_1800001862	constant_power_B_reac	76.9648	0.0	38.4824	0.0
load	N_1800001862	constant_power_C_reac	76.9648	0.0	38.4824	0.0
load	N_1800035984	constant_power_A	137333.0	85111.6	68666.5	42555.8
load	N_1800035984	constant_power_B	137333.0	85111.6	68666.5	42555.8
load	N_1800035984	constant_power_C	137333.0	85111.6	68666.5	42555.8
load	N_1800035984	constant_power_A_real	137333.0	0.0	68666.5	0.0
load	N_1800035984	constant_power_B_real	137333.0	0.0	68666.5	0.0
load	N_1800035984	constant_power_C_real	137333.0	0.0	68666.5	0.0
load	N_1800035984	constant_power_A_reac	85111.6	0.0	42555.8	0.0
load	N_1800035984	constant_power_B_reac	85111.6	0.0	42555.8	0.0
load	N_1800035984	constant_power_C_reac	85111.6	0.0	42555.8	0.0
load	N_1800053731	constant_power_A	289.213	95.0597	144.6065	47.52985
load	N_1800053731	constant_power_B	289.213	95.0597	144.6065	47.52985
load	N_1800053731	constant_power_A_real	289.213	0.0	144.6065	0.0
load	N_1800053731	constant_power_B_real	289.213	0.0	144.6065	0.0
load	N_1800053731	constant_power_A_reac	95.0597	0.0	47.52985	0.0
load	N_1800053731	constant_power_B_reac	95.0597	0.0	47.52985	0.0
load	N_1800053789	constant_power_A	94.5397	31.0737	47.26985	15.53685
load	N_1800053789	constant_power_B	94.5397	31.0737	47.26985	15.53685
load	N_1800053789	constant_power_C	94.5397	31.0737	47.26985	15.53685
load	N_1800053789	constant_power_A_real	94.5397	0.0	47.26985	0.0
load	N_1800053789	constant_power_B_real	94.5397	0.0	47.26985	0.0
load	N_1800053789	constant_power_C_real	94.5397	0.0	47.26985	0.0
load	N_1800053789	constant_power_A_reac	31.0737	0.0	15.53685	0.0
load	N_1800053789	constant_power_B_reac	31.0737	0.0	15.53685	0.0
load	N_1800053789	constant_power_C_reac	31.0737	0.0	15.53685	0.0
load	N_1800053788	constant_power_A	78.1303	25.6802	39.06515	12.8401
load	N_1800053788	constant_power_B	78.1303	25.6802	39.06515	12.8401
load	N_1800053788	constant_power_C	78.1303	25.6802	39.06515	12.8401
load	N_1800053788	constant_power_A_real	78.1303	0.0	39.06515	0.0
load	N_1800053788	constant_power_B_real	78.1303	0.0	39.06515	0.0
load	N_1800053788	constant_power_C_real	78.1303	0.0	39.06515	0.0
load	N_1800053788	constant_power_A_reac	25.6802	0.0	12.8401	0.0
load	N_1800053788	constant_power_B_reac	25.6802	0.0	12.8401	0.0
load	N_1800053788	constant_power_C_reac	25.6802	0.0	12.8401	0.0
load	N_1800053667	constant_power_A	5.874	3.64038	2.937	1.82019
load	N_1800053667	constant_power_B	5.874	3.64038	2.937	1.82019
load	N_1800053667	constant_power_A_real	5.874	0.0	2.937	0.0
load	N_1800053667	constant_power_B_real	5.874	0.0	2.937	0.0
load	N_1800053667	constant_power_A_reac	3.64038	0.0	1.82019	0.0
load	N_1800053667	constant_power_B_reac	3.64038	0.0	1.82019	0.0
load	N_1800053664	constant_power_A	468.782	259.369	234.391	129.6845

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053664	constant_power_B	468.782	259.369	234.391	129.6845
load	N_1800053664	constant_power_C	468.782	259.369	234.391	129.6845
load	N_1800053664	constant_power_A_real	468.782	0.0	234.391	0.0
load	N_1800053664	constant_power_B_real	468.782	0.0	234.391	0.0
load	N_1800053664	constant_power_C_real	468.782	0.0	234.391	0.0
load	N_1800053664	constant_power_A_reac	259.369	0.0	129.6845	0.0
load	N_1800053664	constant_power_B_reac	259.369	0.0	129.6845	0.0
load	N_1800053664	constant_power_C_reac	259.369	0.0	129.6845	0.0
load	N_1800053665	constant_power_A	103.117	57.0531	51.5585	28.52655
load	N_1800053665	constant_power_B	103.117	57.0531	51.5585	28.52655
load	N_1800053665	constant_power_C	103.117	57.0531	51.5585	28.52655
load	N_1800053665	constant_power_A_real	103.117	0.0	51.5585	0.0
load	N_1800053665	constant_power_B_real	103.117	0.0	51.5585	0.0
load	N_1800053665	constant_power_C_real	103.117	0.0	51.5585	0.0
load	N_1800053665	constant_power_A_reac	57.0531	0.0	28.52655	0.0
load	N_1800053665	constant_power_B_reac	57.0531	0.0	28.52655	0.0
load	N_1800053665	constant_power_C_reac	57.0531	0.0	28.52655	0.0
load	N_1800053669	constant_power_A	60.136	19.7657	30.068	9.88285
load	N_1800053669	constant_power_B	60.136	19.7657	30.068	9.88285
load	N_1800053669	constant_power_A_real	60.136	0.0	30.068	0.0
load	N_1800053669	constant_power_B_real	60.136	0.0	30.068	0.0
load	N_1800053669	constant_power_A_reac	19.7657	0.0	9.88285	0.0
load	N_1800053669	constant_power_B_reac	19.7657	0.0	9.88285	0.0
load	N_1800053785	constant_power_A	469.342	159.333	234.671	79.6665
load	N_1800053785	constant_power_B	469.342	159.333	234.671	79.6665
load	N_1800053785	constant_power_C	469.342	159.333	234.671	79.6665
load	N_1800053785	constant_power_A_real	469.342	0.0	234.671	0.0
load	N_1800053785	constant_power_B_real	469.342	0.0	234.671	0.0
load	N_1800053785	constant_power_C_real	469.342	0.0	234.671	0.0
load	N_1800053785	constant_power_A_reac	159.333	0.0	79.6665	0.0
load	N_1800053785	constant_power_B_reac	159.333	0.0	79.6665	0.0
load	N_1800053785	constant_power_C_reac	159.333	0.0	79.6665	0.0
load	N_1800053784	constant_power_A	228.797	75.2019	114.3985	37.60095
load	N_1800053784	constant_power_B	228.797	75.2019	114.3985	37.60095
load	N_1800053784	constant_power_C	228.797	75.2019	114.3985	37.60095
load	N_1800053784	constant_power_A_real	228.797	0.0	114.3985	0.0
load	N_1800053784	constant_power_B_real	228.797	0.0	114.3985	0.0
load	N_1800053784	constant_power_C_real	228.797	0.0	114.3985	0.0
load	N_1800053784	constant_power_A_reac	75.2019	0.0	37.60095	0.0
load	N_1800053784	constant_power_B_reac	75.2019	0.0	37.60095	0.0
load	N_1800053784	constant_power_C_reac	75.2019	0.0	37.60095	0.0
load	N_1800053787	constant_power_A	108.525	35.6703	54.2625	17.83515
load	N_1800053787	constant_power_B	108.525	35.6703	54.2625	17.83515
load	N_1800053787	constant_power_C	108.525	35.6703	54.2625	17.83515
load	N_1800053787	constant_power_A_real	108.525	0.0	54.2625	0.0
load	N_1800053787	constant_power_B_real	108.525	0.0	54.2625	0.0
load	N_1800053787	constant_power_C_real	108.525	0.0	54.2625	0.0
load	N_1800053787	constant_power_A_reac	35.6703	0.0	17.83515	0.0
load	N_1800053787	constant_power_B_reac	35.6703	0.0	17.83515	0.0
load	N_1800053787	constant_power_C_reac	35.6703	0.0	17.83515	0.0
load	N_1800053786	constant_power_A	280.076	92.0565	140.038	46.02825
load	N_1800053786	constant_power_B	280.076	92.0565	140.038	46.02825
load	N_1800053786	constant_power_C	280.076	92.0565	140.038	46.02825
load	N_1800053786	constant_power_A_real	280.076	0.0	140.038	0.0
load	N_1800053786	constant_power_B_real	280.076	0.0	140.038	0.0
load	N_1800053786	constant_power_C_real	280.076	0.0	140.038	0.0
load	N_1800053786	constant_power_A_reac	92.0565	0.0	46.02825	0.0
load	N_1800053786	constant_power_B_reac	92.0565	0.0	46.02825	0.0
load	N_1800053786	constant_power_C_reac	92.0565	0.0	46.02825	0.0
load	N_1800016127	constant_power_A	206.048	67.9341	103.024	33.96705
load	N_1800016127	constant_power_B	206.048	67.9341	103.024	33.96705
load	N_1800016127	constant_power_C	206.048	67.9341	103.024	33.96705
load	N_1800016127	constant_power_A_real	206.048	0.0	103.024	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800016127	constant_power_B_real	206.048	0.0	103.024	0.0
load	N_1800016127	constant_power_C_real	206.048	0.0	103.024	0.0
load	N_1800016127	constant_power_A_reac	67.9341	0.0	33.96705	0.0
load	N_1800016127	constant_power_B_reac	67.9341	0.0	33.96705	0.0
load	N_1800016127	constant_power_C_reac	67.9341	0.0	33.96705	0.0
load	N_1800193812	constant_power_A	5.40767	3.35137	2.703835	1.675685
load	N_1800193812	constant_power_B	5.40767	3.35137	2.703835	1.675685
load	N_1800193812	constant_power_C	5.40767	3.35137	2.703835	1.675685
load	N_1800193812	constant_power_A_real	5.40767	0.0	2.703835	0.0
load	N_1800193812	constant_power_B_real	5.40767	0.0	2.703835	0.0
load	N_1800193812	constant_power_C_real	5.40767	0.0	2.703835	0.0
load	N_1800193812	constant_power_A_reac	3.35137	0.0	1.675685	0.0
load	N_1800193812	constant_power_B_reac	3.35137	0.0	1.675685	0.0
load	N_1800193812	constant_power_C_reac	3.35137	0.0	1.675685	0.0
load	N_1800044339	constant_power_A	504.584	165.849	252.292	82.9245
load	N_1800044339	constant_power_B	504.584	165.849	252.292	82.9245
load	N_1800044339	constant_power_A_real	504.584	0.0	252.292	0.0
load	N_1800044339	constant_power_B_real	504.584	0.0	252.292	0.0
load	N_1800044339	constant_power_A_reac	165.849	0.0	82.9245	0.0
load	N_1800044339	constant_power_B_reac	165.849	0.0	82.9245	0.0
load	N_1800053593	constant_power_A	754.639	248.038	377.3195	124.019
load	N_1800053593	constant_power_B	754.639	248.038	377.3195	124.019
load	N_1800053593	constant_power_A_real	754.639	0.0	377.3195	0.0
load	N_1800053593	constant_power_B_real	754.639	0.0	377.3195	0.0
load	N_1800053593	constant_power_A_reac	248.038	0.0	124.019	0.0
load	N_1800053593	constant_power_B_reac	248.038	0.0	124.019	0.0
load	N_1800053583	constant_power_A	184.045	60.4926	92.0225	30.2463
load	N_1800053583	constant_power_B	184.045	60.4926	92.0225	30.2463
load	N_1800053583	constant_power_C	184.045	60.4926	92.0225	30.2463
load	N_1800053583	constant_power_A_real	184.045	0.0	92.0225	0.0
load	N_1800053583	constant_power_B_real	184.045	0.0	92.0225	0.0
load	N_1800053583	constant_power_C_real	184.045	0.0	92.0225	0.0
load	N_1800053583	constant_power_A_reac	60.4926	0.0	30.2463	0.0
load	N_1800053583	constant_power_B_reac	60.4926	0.0	30.2463	0.0
load	N_1800053583	constant_power_C_reac	60.4926	0.0	30.2463	0.0
load	N_1800053582	constant_power_A	139.479	73.4021	69.7395	36.70105
load	N_1800053582	constant_power_B	139.479	73.4021	69.7395	36.70105
load	N_1800053582	constant_power_C	139.479	73.4021	69.7395	36.70105
load	N_1800053582	constant_power_A_real	139.479	0.0	69.7395	0.0
load	N_1800053582	constant_power_B_real	139.479	0.0	69.7395	0.0
load	N_1800053582	constant_power_C_real	139.479	0.0	69.7395	0.0
load	N_1800053582	constant_power_A_reac	73.4021	0.0	36.70105	0.0
load	N_1800053582	constant_power_B_reac	73.4021	0.0	36.70105	0.0
load	N_1800053582	constant_power_C_reac	73.4021	0.0	36.70105	0.0
load	N_1800053581	constant_power_A	74.401	29.6476	37.2005	14.8238
load	N_1800053581	constant_power_B	74.401	29.6476	37.2005	14.8238
load	N_1800053581	constant_power_C	74.401	29.6476	37.2005	14.8238
load	N_1800053581	constant_power_A_real	74.401	0.0	37.2005	0.0
load	N_1800053581	constant_power_B_real	74.401	0.0	37.2005	0.0
load	N_1800053581	constant_power_C_real	74.401	0.0	37.2005	0.0
load	N_1800053581	constant_power_A_reac	29.6476	0.0	14.8238	0.0
load	N_1800053581	constant_power_B_reac	29.6476	0.0	14.8238	0.0
load	N_1800053581	constant_power_C_reac	29.6476	0.0	14.8238	0.0
load	N_1800053584	constant_power_A	29.462	9.68369	14.731	4.841845
load	N_1800053584	constant_power_B	29.462	9.68369	14.731	4.841845
load	N_1800053584	constant_power_C	29.462	9.68369	14.731	4.841845
load	N_1800053584	constant_power_A_real	29.462	0.0	14.731	0.0
load	N_1800053584	constant_power_B_real	29.462	0.0	14.731	0.0
load	N_1800053584	constant_power_C_real	29.462	0.0	14.731	0.0
load	N_1800053584	constant_power_A_reac	9.68369	0.0	4.841845	0.0
load	N_1800053584	constant_power_B_reac	9.68369	0.0	4.841845	0.0
load	N_1800053584	constant_power_C_reac	9.68369	0.0	4.841845	0.0
load	N_1800044942	constant_power_A	742.612	244.085	371.306	122.0425

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800044942	constant_power_B	742.612	244.085	371.306	122.0425
load	N_1800044942	constant_power_A_real	742.612	0.0	371.306	0.0
load	N_1800044942	constant_power_B_real	742.612	0.0	371.306	0.0
load	N_1800044942	constant_power_A_reac	244.085	0.0	122.0425	0.0
load	N_1800044942	constant_power_B_reac	244.085	0.0	122.0425	0.0
load	N_1800044941	constant_power_A	166.983	54.8847	83.4915	27.44235
load	N_1800044941	constant_power_B	166.983	54.8847	83.4915	27.44235
load	N_1800044941	constant_power_A_real	166.983	0.0	83.4915	0.0
load	N_1800044941	constant_power_B_real	166.983	0.0	83.4915	0.0
load	N_1800044941	constant_power_A_reac	54.8847	0.0	27.44235	0.0
load	N_1800044941	constant_power_B_reac	54.8847	0.0	27.44235	0.0
load	N_1800077520	constant_power_A	13102.3	8059.36	6551.15	4029.68
load	N_1800077520	constant_power_B	13102.3	8059.36	6551.15	4029.68
load	N_1800077520	constant_power_C	13102.3	8059.36	6551.15	4029.68
load	N_1800077520	constant_power_A_real	13102.3	0.0	6551.15	0.0
load	N_1800077520	constant_power_B_real	13102.3	0.0	6551.15	0.0
load	N_1800077520	constant_power_C_real	13102.3	0.0	6551.15	0.0
load	N_1800077520	constant_power_A_reac	8059.36	0.0	4029.68	0.0
load	N_1800077520	constant_power_B_reac	8059.36	0.0	4029.68	0.0
load	N_1800077520	constant_power_C_reac	8059.36	0.0	4029.68	0.0
load	N_1800004609	constant_power_A	314.666	103.426	157.333	51.713
load	N_1800004609	constant_power_B	314.666	103.426	157.333	51.713
load	N_1800004609	constant_power_A_real	314.666	0.0	157.333	0.0
load	N_1800004609	constant_power_B_real	314.666	0.0	157.333	0.0
load	N_1800004609	constant_power_A_reac	103.426	0.0	51.713	0.0
load	N_1800004609	constant_power_B_reac	103.426	0.0	51.713	0.0
load	N_1800004952	constant_power_A	163.347	53.6895	81.6735	26.84475
load	N_1800004952	constant_power_B	163.347	53.6895	81.6735	26.84475
load	N_1800004952	constant_power_C	163.347	53.6895	81.6735	26.84475
load	N_1800004952	constant_power_A_real	163.347	0.0	81.6735	0.0
load	N_1800004952	constant_power_B_real	163.347	0.0	81.6735	0.0
load	N_1800004952	constant_power_C_real	163.347	0.0	81.6735	0.0
load	N_1800004952	constant_power_A_reac	53.6895	0.0	26.84475	0.0
load	N_1800004952	constant_power_B_reac	53.6895	0.0	26.84475	0.0
load	N_1800004952	constant_power_C_reac	53.6895	0.0	26.84475	0.0
load	N_1800053703	constant_power_A	56.22	18.4786	28.11	9.2393
load	N_1800053703	constant_power_B	56.22	18.4786	28.11	9.2393
load	N_1800053703	constant_power_A_real	56.22	0.0	28.11	0.0
load	N_1800053703	constant_power_B_real	56.22	0.0	28.11	0.0
load	N_1800053703	constant_power_A_reac	18.4786	0.0	9.2393	0.0
load	N_1800053703	constant_power_B_reac	18.4786	0.0	9.2393	0.0
load	N_1800002075	constant_power_A	1637.38	538.181	818.69	269.0905
load	N_1800002075	constant_power_B	1637.38	538.181	818.69	269.0905
load	N_1800002075	constant_power_A_real	1637.38	0.0	818.69	0.0
load	N_1800002075	constant_power_B_real	1637.38	0.0	818.69	0.0
load	N_1800002075	constant_power_A_reac	538.181	0.0	269.0905	0.0
load	N_1800002075	constant_power_B_reac	538.181	0.0	269.0905	0.0
load	N_1800054025	constant_power_A	246.325	80.9632	123.1625	40.4816
load	N_1800054025	constant_power_B	246.325	80.9632	123.1625	40.4816
load	N_1800054025	constant_power_C	246.325	80.9632	123.1625	40.4816
load	N_1800054025	constant_power_A_real	246.325	0.0	123.1625	0.0
load	N_1800054025	constant_power_B_real	246.325	0.0	123.1625	0.0
load	N_1800054025	constant_power_C_real	246.325	0.0	123.1625	0.0
load	N_1800054025	constant_power_A_reac	80.9632	0.0	40.4816	0.0
load	N_1800054025	constant_power_B_reac	80.9632	0.0	40.4816	0.0
load	N_1800054025	constant_power_C_reac	80.9632	0.0	40.4816	0.0
load	N_1800016442	constant_power_A	2266.71	1404.78	1133.355	702.39
load	N_1800016442	constant_power_B	2266.71	1404.78	1133.355	702.39
load	N_1800016442	constant_power_C	2266.71	1404.78	1133.355	702.39
load	N_1800016442	constant_power_A_real	2266.71	0.0	1133.355	0.0
load	N_1800016442	constant_power_B_real	2266.71	0.0	1133.355	0.0
load	N_1800016442	constant_power_C_real	2266.71	0.0	1133.355	0.0
load	N_1800016442	constant_power_A_reac	1404.78	0.0	702.39	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800016442	constant_power_B_reac	1404.78	0.0	702.39	0.0
load	N_1800016442	constant_power_C_reac	1404.78	0.0	702.39	0.0
load	N_1800030437	constant_power_A	169.873	93.9879	84.9365	46.99395
load	N_1800030437	constant_power_B	169.873	93.9879	84.9365	46.99395
load	N_1800030437	constant_power_C	169.873	93.9879	84.9365	46.99395
load	N_1800030437	constant_power_A_real	169.873	0.0	84.9365	0.0
load	N_1800030437	constant_power_B_real	169.873	0.0	84.9365	0.0
load	N_1800030437	constant_power_C_real	169.873	0.0	84.9365	0.0
load	N_1800030437	constant_power_A_reac	93.9879	0.0	46.99395	0.0
load	N_1800030437	constant_power_B_reac	93.9879	0.0	46.99395	0.0
load	N_1800030437	constant_power_C_reac	93.9879	0.0	46.99395	0.0
load	N_1800054122	constant_power_A	898.406	295.292	449.203	147.646
load	N_1800054122	constant_power_B	898.406	295.292	449.203	147.646
load	N_1800054122	constant_power_A_real	898.406	0.0	449.203	0.0
load	N_1800054122	constant_power_B_real	898.406	0.0	449.203	0.0
load	N_1800054122	constant_power_A_reac	295.292	0.0	147.646	0.0
load	N_1800054122	constant_power_B_reac	295.292	0.0	147.646	0.0
load	N_1800054026	constant_power_A	433.819	142.589	216.9095	71.2945
load	N_1800054026	constant_power_B	433.819	142.589	216.9095	71.2945
load	N_1800054026	constant_power_A_real	433.819	0.0	216.9095	0.0
load	N_1800054026	constant_power_B_real	433.819	0.0	216.9095	0.0
load	N_1800054026	constant_power_A_reac	142.589	0.0	71.2945	0.0
load	N_1800054026	constant_power_B_reac	142.589	0.0	71.2945	0.0
load	N_1800054124	constant_power_A	785.686	258.242	392.843	129.121
load	N_1800054124	constant_power_B	785.686	258.242	392.843	129.121
load	N_1800054124	constant_power_A_real	785.686	0.0	392.843	0.0
load	N_1800054124	constant_power_B_real	785.686	0.0	392.843	0.0
load	N_1800054124	constant_power_A_reac	258.242	0.0	129.121	0.0
load	N_1800054124	constant_power_B_reac	258.242	0.0	129.121	0.0
load	N_1800054089	constant_power_A	332.287	109.217	166.1435	54.6085
load	N_1800054089	constant_power_B	332.287	109.217	166.1435	54.6085
load	N_1800054089	constant_power_A_real	332.287	0.0	166.1435	0.0
load	N_1800054089	constant_power_B_real	332.287	0.0	166.1435	0.0
load	N_1800054089	constant_power_A_reac	109.217	0.0	54.6085	0.0
load	N_1800054089	constant_power_B_reac	109.217	0.0	54.6085	0.0
load	N_1800054127	constant_power_A	282.873	92.9759	141.4365	46.48795
load	N_1800054127	constant_power_B	282.873	92.9759	141.4365	46.48795
load	N_1800054127	constant_power_C	282.873	92.9759	141.4365	46.48795
load	N_1800054127	constant_power_A_real	282.873	0.0	141.4365	0.0
load	N_1800054127	constant_power_B_real	282.873	0.0	141.4365	0.0
load	N_1800054127	constant_power_C_real	282.873	0.0	141.4365	0.0
load	N_1800054127	constant_power_A_reac	92.9759	0.0	46.48795	0.0
load	N_1800054127	constant_power_B_reac	92.9759	0.0	46.48795	0.0
load	N_1800054127	constant_power_C_reac	92.9759	0.0	46.48795	0.0
load	N_1800054086	constant_power_A	332.567	109.309	166.2835	54.6545
load	N_1800054086	constant_power_B	332.567	109.309	166.2835	54.6545
load	N_1800054086	constant_power_A_real	332.567	0.0	166.2835	0.0
load	N_1800054086	constant_power_B_real	332.567	0.0	166.2835	0.0
load	N_1800054086	constant_power_A_reac	109.309	0.0	54.6545	0.0
load	N_1800054086	constant_power_B_reac	109.309	0.0	54.6545	0.0
load	N_1800054085	constant_power_A	312.149	102.598	156.0745	51.299
load	N_1800054085	constant_power_B	312.149	102.598	156.0745	51.299
load	N_1800054085	constant_power_A_real	312.149	0.0	156.0745	0.0
load	N_1800054085	constant_power_B_real	312.149	0.0	156.0745	0.0
load	N_1800054085	constant_power_A_reac	102.598	0.0	51.299	0.0
load	N_1800054085	constant_power_B_reac	102.598	0.0	51.299	0.0
load	N_1800053706	constant_power_A	145.259	80.3694	72.6295	40.1847
load	N_1800053706	constant_power_B	145.259	80.3694	72.6295	40.1847
load	N_1800053706	constant_power_C	145.259	80.3694	72.6295	40.1847
load	N_1800053706	constant_power_A_real	145.259	0.0	72.6295	0.0
load	N_1800053706	constant_power_B_real	145.259	0.0	72.6295	0.0
load	N_1800053706	constant_power_C_real	145.259	0.0	72.6295	0.0
load	N_1800053706	constant_power_A_reac	80.3694	0.0	40.1847	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053706	constant_power_B_reac	80.3694	0.0	40.1847	0.0
load	N_1800053706	constant_power_C_reac	80.3694	0.0	40.1847	0.0
load	N_1800054083	constant_power_A	223.762	73.547	111.881	36.7735
load	N_1800054083	constant_power_B	223.762	73.547	111.881	36.7735
load	N_1800054083	constant_power_A_real	223.762	0.0	111.881	0.0
load	N_1800054083	constant_power_B_real	223.762	0.0	111.881	0.0
load	N_1800054083	constant_power_A_reac	73.547	0.0	36.7735	0.0
load	N_1800054083	constant_power_B_reac	73.547	0.0	36.7735	0.0
load	N_1800054082	constant_power_A	195.512	64.2617	97.756	32.13085
load	N_1800054082	constant_power_B	195.512	64.2617	97.756	32.13085
load	N_1800054082	constant_power_A_real	195.512	0.0	97.756	0.0
load	N_1800054082	constant_power_B_real	195.512	0.0	97.756	0.0
load	N_1800054082	constant_power_A_reac	64.2617	0.0	32.13085	0.0
load	N_1800054082	constant_power_B_reac	64.2617	0.0	32.13085	0.0
load	N_1800054081	constant_power_A	323.616	106.367	161.808	53.1835
load	N_1800054081	constant_power_B	323.616	106.367	161.808	53.1835
load	N_1800054081	constant_power_A_real	323.616	0.0	161.808	0.0
load	N_1800054081	constant_power_B_real	323.616	0.0	161.808	0.0
load	N_1800054081	constant_power_A_reac	106.367	0.0	53.1835	0.0
load	N_1800054081	constant_power_B_reac	106.367	0.0	53.1835	0.0
load	N_1800054080	constant_power_A	315.505	103.701	157.7525	51.8505
load	N_1800054080	constant_power_B	315.505	103.701	157.7525	51.8505
load	N_1800054080	constant_power_A_real	315.505	0.0	157.7525	0.0
load	N_1800054080	constant_power_B_real	315.505	0.0	157.7525	0.0
load	N_1800054080	constant_power_A_reac	103.701	0.0	51.8505	0.0
load	N_1800054080	constant_power_B_reac	103.701	0.0	51.8505	0.0
load	N_1800039037	constant_power_A	340.119	169.629	170.0595	84.8145
load	N_1800039037	constant_power_B	340.119	169.629	170.0595	84.8145
load	N_1800039037	constant_power_C	340.119	169.629	170.0595	84.8145
load	N_1800039037	constant_power_A_real	340.119	0.0	170.0595	0.0
load	N_1800039037	constant_power_B_real	340.119	0.0	170.0595	0.0
load	N_1800039037	constant_power_C_real	340.119	0.0	170.0595	0.0
load	N_1800039037	constant_power_A_reac	169.629	0.0	84.8145	0.0
load	N_1800039037	constant_power_B_reac	169.629	0.0	84.8145	0.0
load	N_1800039037	constant_power_C_reac	169.629	0.0	84.8145	0.0
load	N_1800039036	constant_power_A	361.097	118.687	180.5485	59.3435
load	N_1800039036	constant_power_B	361.097	118.687	180.5485	59.3435
load	N_1800039036	constant_power_A_real	361.097	0.0	180.5485	0.0
load	N_1800039036	constant_power_B_real	361.097	0.0	180.5485	0.0
load	N_1800039036	constant_power_A_reac	118.687	0.0	59.3435	0.0
load	N_1800039036	constant_power_B_reac	118.687	0.0	59.3435	0.0
load	N_1800054023	constant_power_A	1303.7	428.504	651.85	214.252
load	N_1800054023	constant_power_B	1303.7	428.504	651.85	214.252
load	N_1800054023	constant_power_A_real	1303.7	0.0	651.85	0.0
load	N_1800054023	constant_power_B_real	1303.7	0.0	651.85	0.0
load	N_1800054023	constant_power_A_reac	428.504	0.0	214.252	0.0
load	N_1800054023	constant_power_B_reac	428.504	0.0	214.252	0.0
load	N_1800053536	constant_power_A	228.611	75.1407	114.3055	37.57035
load	N_1800053536	constant_power_B	228.611	75.1407	114.3055	37.57035
load	N_1800053536	constant_power_C	228.611	75.1407	114.3055	37.57035
load	N_1800053536	constant_power_A_real	228.611	0.0	114.3055	0.0
load	N_1800053536	constant_power_B_real	228.611	0.0	114.3055	0.0
load	N_1800053536	constant_power_C_real	228.611	0.0	114.3055	0.0
load	N_1800053536	constant_power_A_reac	75.1407	0.0	37.57035	0.0
load	N_1800053536	constant_power_B_reac	75.1407	0.0	37.57035	0.0
load	N_1800053536	constant_power_C_reac	75.1407	0.0	37.57035	0.0
load	N_1800007320	constant_power_A	611.99	201.151	305.995	100.5755
load	N_1800007320	constant_power_B	611.99	201.151	305.995	100.5755
load	N_1800007320	constant_power_A_real	611.99	0.0	305.995	0.0
load	N_1800007320	constant_power_B_real	611.99	0.0	305.995	0.0
load	N_1800007320	constant_power_A_reac	201.151	0.0	100.5755	0.0
load	N_1800007320	constant_power_B_reac	201.151	0.0	100.5755	0.0
load	N_1800003170	constant_power_A	131.833	72.9412	65.9165	36.4706

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800003170	constant_power_B	131.833	72.9412	65.9165	36.4706
load	N_1800003170	constant_power_C	131.833	72.9412	65.9165	36.4706
load	N_1800003170	constant_power_A_real	131.833	0.0	65.9165	0.0
load	N_1800003170	constant_power_B_real	131.833	0.0	65.9165	0.0
load	N_1800003170	constant_power_C_real	131.833	0.0	65.9165	0.0
load	N_1800003170	constant_power_A_reac	72.9412	0.0	36.4706	0.0
load	N_1800003170	constant_power_B_reac	72.9412	0.0	36.4706	0.0
load	N_1800003170	constant_power_C_reac	72.9412	0.0	36.4706	0.0
load	N_1800053532	constant_power_A	27.9703	9.1934	13.98515	4.5967
load	N_1800053532	constant_power_B	27.9703	9.1934	13.98515	4.5967
load	N_1800053532	constant_power_C	27.9703	9.1934	13.98515	4.5967
load	N_1800053532	constant_power_A_real	27.9703	0.0	13.98515	0.0
load	N_1800053532	constant_power_B_real	27.9703	0.0	13.98515	0.0
load	N_1800053532	constant_power_C_real	27.9703	0.0	13.98515	0.0
load	N_1800053532	constant_power_A_reac	9.1934	0.0	4.5967	0.0
load	N_1800053532	constant_power_B_reac	9.1934	0.0	4.5967	0.0
load	N_1800053532	constant_power_C_reac	9.1934	0.0	4.5967	0.0
load	N_1800039038	constant_power_A	8666.67	5371.12	4333.335	2685.56
load	N_1800039038	constant_power_B	8666.67	5371.12	4333.335	2685.56
load	N_1800039038	constant_power_C	8666.67	5371.12	4333.335	2685.56
load	N_1800039038	constant_power_A_real	8666.67	0.0	4333.335	0.0
load	N_1800039038	constant_power_B_real	8666.67	0.0	4333.335	0.0
load	N_1800039038	constant_power_C_real	8666.67	0.0	4333.335	0.0
load	N_1800039038	constant_power_A_reac	5371.12	0.0	2685.56	0.0
load	N_1800039038	constant_power_B_reac	5371.12	0.0	2685.56	0.0
load	N_1800039038	constant_power_C_reac	5371.12	0.0	2685.56	0.0
load	N_1800015733	constant_power_A	12361.1	7658.89	6180.55	3829.445
load	N_1800015733	constant_power_B	12361.1	7658.89	6180.55	3829.445
load	N_1800015733	constant_power_C	12361.1	7658.89	6180.55	3829.445
load	N_1800015733	constant_power_A_real	12361.1	0.0	6180.55	0.0
load	N_1800015733	constant_power_B_real	12361.1	0.0	6180.55	0.0
load	N_1800015733	constant_power_C_real	12361.1	0.0	6180.55	0.0
load	N_1800015733	constant_power_A_reac	7658.89	0.0	3829.445	0.0
load	N_1800015733	constant_power_B_reac	7658.89	0.0	3829.445	0.0
load	N_1800015733	constant_power_C_reac	7658.89	0.0	3829.445	0.0
load	N_1800015730	constant_power_A	14666.7	9089.58	7333.35	4544.79
load	N_1800015730	constant_power_B	14666.7	9089.58	7333.35	4544.79
load	N_1800015730	constant_power_C	14666.7	9089.58	7333.35	4544.79
load	N_1800015730	constant_power_A_real	14666.7	0.0	7333.35	0.0
load	N_1800015730	constant_power_B_real	14666.7	0.0	7333.35	0.0
load	N_1800015730	constant_power_C_real	14666.7	0.0	7333.35	0.0
load	N_1800015730	constant_power_A_reac	9089.58	0.0	4544.79	0.0
load	N_1800015730	constant_power_B_reac	9089.58	0.0	4544.79	0.0
load	N_1800015730	constant_power_C_reac	9089.58	0.0	4544.79	0.0
load	N_1800053363	constant_power_A	17.901	5.88377	8.9505	2.941885
load	N_1800053363	constant_power_B	17.901	5.88377	8.9505	2.941885
load	N_1800053363	constant_power_A_real	17.901	0.0	8.9505	0.0
load	N_1800053363	constant_power_B_real	17.901	0.0	8.9505	0.0
load	N_1800053363	constant_power_A_reac	5.88377	0.0	2.941885	0.0
load	N_1800053363	constant_power_B_reac	5.88377	0.0	2.941885	0.0
load	N_1800053362	constant_power_A	283.619	93.2211	141.8095	46.61055
load	N_1800053362	constant_power_B	283.619	93.2211	141.8095	46.61055
load	N_1800053362	constant_power_A_real	283.619	0.0	141.8095	0.0
load	N_1800053362	constant_power_B_real	283.619	0.0	141.8095	0.0
load	N_1800053362	constant_power_A_reac	93.2211	0.0	46.61055	0.0
load	N_1800053362	constant_power_B_reac	93.2211	0.0	46.61055	0.0
load	N_1800053361	constant_power_A	400.255	131.557	200.1275	65.7785
load	N_1800053361	constant_power_B	400.255	131.557	200.1275	65.7785
load	N_1800053361	constant_power_A_real	400.255	0.0	200.1275	0.0
load	N_1800053361	constant_power_B_real	400.255	0.0	200.1275	0.0
load	N_1800053361	constant_power_A_reac	131.557	0.0	65.7785	0.0
load	N_1800053361	constant_power_B_reac	131.557	0.0	65.7785	0.0
load	N_1800053360	constant_power_A	590.453	194.073	295.2265	97.0365

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053360	constant_power_B	590.453	194.073	295.2265	97.0365
load	N_1800053360	constant_power_A_real	590.453	0.0	295.2265	0.0
load	N_1800053360	constant_power_B_real	590.453	0.0	295.2265	0.0
load	N_1800053360	constant_power_A_reac	194.073	0.0	97.0365	0.0
load	N_1800053360	constant_power_B_reac	194.073	0.0	97.0365	0.0
load	N_1800053366	constant_power_A	340.119	111.792	170.0595	55.896
load	N_1800053366	constant_power_B	340.119	111.792	170.0595	55.896
load	N_1800053366	constant_power_A_real	340.119	0.0	170.0595	0.0
load	N_1800053366	constant_power_B_real	340.119	0.0	170.0595	0.0
load	N_1800053366	constant_power_A_reac	111.792	0.0	55.896	0.0
load	N_1800053366	constant_power_B_reac	111.792	0.0	55.896	0.0
load	N_1800053365	constant_power_A	468.223	153.897	234.1115	76.9485
load	N_1800053365	constant_power_B	468.223	153.897	234.1115	76.9485
load	N_1800053365	constant_power_A_real	468.223	0.0	234.1115	0.0
load	N_1800053365	constant_power_B_real	468.223	0.0	234.1115	0.0
load	N_1800053365	constant_power_A_reac	153.897	0.0	76.9485	0.0
load	N_1800053365	constant_power_B_reac	153.897	0.0	76.9485	0.0
load	N_1800053369	constant_power_A	597.446	196.371	298.723	98.1855
load	N_1800053369	constant_power_B	597.446	196.371	298.723	98.1855
load	N_1800053369	constant_power_A_real	597.446	0.0	298.723	0.0
load	N_1800053369	constant_power_B_real	597.446	0.0	298.723	0.0
load	N_1800053369	constant_power_A_reac	196.371	0.0	98.1855	0.0
load	N_1800053369	constant_power_B_reac	196.371	0.0	98.1855	0.0
load	N_1800054238	constant_power_A	391.305	128.616	195.6525	64.308
load	N_1800054238	constant_power_B	391.305	128.616	195.6525	64.308
load	N_1800054238	constant_power_A_real	391.305	0.0	195.6525	0.0
load	N_1800054238	constant_power_B_real	391.305	0.0	195.6525	0.0
load	N_1800054238	constant_power_A_reac	128.616	0.0	64.308	0.0
load	N_1800054238	constant_power_B_reac	128.616	0.0	64.308	0.0
load	N_1800054237	constant_power_A	977.562	321.309	488.781	160.6545
load	N_1800054237	constant_power_B	977.562	321.309	488.781	160.6545
load	N_1800054237	constant_power_A_real	977.562	0.0	488.781	0.0
load	N_1800054237	constant_power_B_real	977.562	0.0	488.781	0.0
load	N_1800054237	constant_power_A_reac	321.309	0.0	160.6545	0.0
load	N_1800054237	constant_power_B_reac	321.309	0.0	160.6545	0.0
load	N_1800054231	constant_power_A	771.98	253.738	385.99	126.869
load	N_1800054231	constant_power_B	771.98	253.738	385.99	126.869
load	N_1800054231	constant_power_A_real	771.98	0.0	385.99	0.0
load	N_1800054231	constant_power_B_real	771.98	0.0	385.99	0.0
load	N_1800054231	constant_power_A_reac	253.738	0.0	126.869	0.0
load	N_1800054231	constant_power_B_reac	253.738	0.0	126.869	0.0
load	N_1800054233	constant_power_A	775.617	254.933	387.8085	127.4665
load	N_1800054233	constant_power_B	775.617	254.933	387.8085	127.4665
load	N_1800054233	constant_power_A_real	775.617	0.0	387.8085	0.0
load	N_1800054233	constant_power_B_real	775.617	0.0	387.8085	0.0
load	N_1800054233	constant_power_A_reac	254.933	0.0	127.4665	0.0
load	N_1800054233	constant_power_B_reac	254.933	0.0	127.4665	0.0
load	N_1800021882	constant_power_A	38.319	12.5948	19.1595	6.2974
load	N_1800021882	constant_power_B	38.319	12.5948	19.1595	6.2974
load	N_1800021882	constant_power_A_real	38.319	0.0	19.1595	0.0
load	N_1800021882	constant_power_B_real	38.319	0.0	19.1595	0.0
load	N_1800021882	constant_power_A_reac	12.5948	0.0	6.2974	0.0
load	N_1800021882	constant_power_B_reac	12.5948	0.0	6.2974	0.0
load	N_1800029980	constant_power_A	394.661	196.372	197.3305	98.186
load	N_1800029980	constant_power_B	394.661	196.372	197.3305	98.186
load	N_1800029980	constant_power_A_real	394.661	0.0	197.3305	0.0
load	N_1800029980	constant_power_B_real	394.661	0.0	197.3305	0.0
load	N_1800029980	constant_power_A_reac	196.372	0.0	98.186	0.0
load	N_1800029980	constant_power_B_reac	196.372	0.0	98.186	0.0
load	N_1800053403	constant_power_A	19049.2	11791.3	9524.6	5895.65
load	N_1800053403	constant_power_B	19049.2	11791.3	9524.6	5895.65
load	N_1800053403	constant_power_A_real	19049.2	0.0	9524.6	0.0
load	N_1800053403	constant_power_B_real	19049.2	0.0	9524.6	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053403	constant_power_A_reac	11791.3	0.0	5895.65	0.0
load	N_1800053403	constant_power_B_reac	11791.3	0.0	5895.65	0.0
load	N_1800053400	constant_power_A	493.396	162.171	246.698	81.0855
load	N_1800053400	constant_power_B	493.396	162.171	246.698	81.0855
load	N_1800053400	constant_power_A_real	493.396	0.0	246.698	0.0
load	N_1800053400	constant_power_B_real	493.396	0.0	246.698	0.0
load	N_1800053400	constant_power_A_reac	162.171	0.0	81.0855	0.0
load	N_1800053400	constant_power_B_reac	162.171	0.0	81.0855	0.0
load	N_1800011563	constant_power_A	353.824	116.296	176.912	58.148
load	N_1800011563	constant_power_B	353.824	116.296	176.912	58.148
load	N_1800011563	constant_power_A_real	353.824	0.0	176.912	0.0
load	N_1800011563	constant_power_B_real	353.824	0.0	176.912	0.0
load	N_1800011563	constant_power_A_reac	116.296	0.0	58.148	0.0
load	N_1800011563	constant_power_B_reac	116.296	0.0	58.148	0.0
load	N_1800011562	constant_power_A	208.379	68.4909	104.1895	34.24545
load	N_1800011562	constant_power_B	208.379	68.4909	104.1895	34.24545
load	N_1800011562	constant_power_A_real	208.379	0.0	104.1895	0.0
load	N_1800011562	constant_power_B_real	208.379	0.0	104.1895	0.0
load	N_1800011562	constant_power_A_reac	68.4909	0.0	34.24545	0.0
load	N_1800011562	constant_power_B_reac	68.4909	0.0	34.24545	0.0
load	N_1800053404	constant_power_A	391.584	128.707	195.792	64.3535
load	N_1800053404	constant_power_B	391.584	128.707	195.792	64.3535
load	N_1800053404	constant_power_A_real	391.584	0.0	195.792	0.0
load	N_1800053404	constant_power_B_real	391.584	0.0	195.792	0.0
load	N_1800053404	constant_power_A_reac	128.707	0.0	64.3535	0.0
load	N_1800053404	constant_power_B_reac	128.707	0.0	64.3535	0.0
load	N_1800053405	constant_power_A	427.666	140.567	213.833	70.2835
load	N_1800053405	constant_power_B	427.666	140.567	213.833	70.2835
load	N_1800053405	constant_power_A_real	427.666	0.0	213.833	0.0
load	N_1800053405	constant_power_B_real	427.666	0.0	213.833	0.0
load	N_1800053405	constant_power_A_reac	140.567	0.0	70.2835	0.0
load	N_1800053405	constant_power_B_reac	140.567	0.0	70.2835	0.0
load	N_1800053627	constant_power_A	358.952	118.861	179.476	59.4305
load	N_1800053627	constant_power_B	358.952	118.861	179.476	59.4305
load	N_1800053627	constant_power_C	358.952	118.861	179.476	59.4305
load	N_1800053627	constant_power_A_real	358.952	0.0	179.476	0.0
load	N_1800053627	constant_power_B_real	358.952	0.0	179.476	0.0
load	N_1800053627	constant_power_C_real	358.952	0.0	179.476	0.0
load	N_1800053627	constant_power_A_reac	118.861	0.0	59.4305	0.0
load	N_1800053627	constant_power_B_reac	118.861	0.0	59.4305	0.0
load	N_1800053627	constant_power_C_reac	118.861	0.0	59.4305	0.0
load	N_1800053748	constant_power_A	481.089	163.34	240.5445	81.67
load	N_1800053748	constant_power_B	481.089	163.34	240.5445	81.67
load	N_1800053748	constant_power_A_real	481.089	0.0	240.5445	0.0
load	N_1800053748	constant_power_B_real	481.089	0.0	240.5445	0.0
load	N_1800053748	constant_power_A_reac	163.34	0.0	81.67	0.0
load	N_1800053748	constant_power_B_reac	163.34	0.0	81.67	0.0
load	N_1800035992	constant_power_A	393.263	129.259	196.6315	64.6295
load	N_1800035992	constant_power_B	393.263	129.259	196.6315	64.6295
load	N_1800035992	constant_power_A_real	393.263	0.0	196.6315	0.0
load	N_1800035992	constant_power_B_real	393.263	0.0	196.6315	0.0
load	N_1800035992	constant_power_A_reac	129.259	0.0	64.6295	0.0
load	N_1800035992	constant_power_B_reac	129.259	0.0	64.6295	0.0
load	N_1800016644	constant_power_A	472.699	177.23	236.3495	88.615
load	N_1800016644	constant_power_B	472.699	177.23	236.3495	88.615
load	N_1800016644	constant_power_A_real	472.699	0.0	236.3495	0.0
load	N_1800016644	constant_power_B_real	472.699	0.0	236.3495	0.0
load	N_1800016644	constant_power_A_reac	177.23	0.0	88.615	0.0
load	N_1800016644	constant_power_B_reac	177.23	0.0	88.615	0.0
load	N_1800053744	constant_power_A	538.708	177.065	269.354	88.5325
load	N_1800053744	constant_power_B	538.708	177.065	269.354	88.5325
load	N_1800053744	constant_power_A_real	538.708	0.0	269.354	0.0
load	N_1800053744	constant_power_B_real	538.708	0.0	269.354	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053744	constant_power_A_reac	177.065	0.0	88.5325	0.0
load	N_1800053744	constant_power_B_reac	177.065	0.0	88.5325	0.0
load	N_1800053746	constant_power_A	1214.75	411.143	607.375	205.5715
load	N_1800053746	constant_power_B	1214.75	411.143	607.375	205.5715
load	N_1800053746	constant_power_A_real	1214.75	0.0	607.375	0.0
load	N_1800053746	constant_power_B_real	1214.75	0.0	607.375	0.0
load	N_1800053746	constant_power_A_reac	411.143	0.0	205.5715	0.0
load	N_1800053746	constant_power_B_reac	411.143	0.0	205.5715	0.0
load	N_1800053741	constant_power_A	899.525	295.66	449.7625	147.83
load	N_1800053741	constant_power_B	899.525	295.66	449.7625	147.83
load	N_1800053741	constant_power_A_real	899.525	0.0	449.7625	0.0
load	N_1800053741	constant_power_B_real	899.525	0.0	449.7625	0.0
load	N_1800053741	constant_power_A_reac	295.66	0.0	147.83	0.0
load	N_1800053741	constant_power_B_reac	295.66	0.0	147.83	0.0
load	N_1800053742	constant_power_A	216.49	71.1568	108.245	35.5784
load	N_1800053742	constant_power_B	216.49	71.1568	108.245	35.5784
load	N_1800053742	constant_power_A_real	216.49	0.0	108.245	0.0
load	N_1800053742	constant_power_B_real	216.49	0.0	108.245	0.0
load	N_1800053742	constant_power_A_reac	71.1568	0.0	35.5784	0.0
load	N_1800053742	constant_power_B_reac	71.1568	0.0	35.5784	0.0
load	N_1800077531	constant_power_A	98.0827	42.0383	49.04135	21.01915
load	N_1800077531	constant_power_B	98.0827	42.0383	49.04135	21.01915
load	N_1800077531	constant_power_C	98.0827	42.0383	49.04135	21.01915
load	N_1800077531	constant_power_A_real	98.0827	0.0	49.04135	0.0
load	N_1800077531	constant_power_B_real	98.0827	0.0	49.04135	0.0
load	N_1800077531	constant_power_C_real	98.0827	0.0	49.04135	0.0
load	N_1800077531	constant_power_A_reac	42.0383	0.0	21.01915	0.0
load	N_1800077531	constant_power_B_reac	42.0383	0.0	21.01915	0.0
load	N_1800077531	constant_power_C_reac	42.0383	0.0	21.01915	0.0
load	N_1800078663	constant_power_A	348.79	114.642	174.395	57.321
load	N_1800078663	constant_power_B	348.79	114.642	174.395	57.321
load	N_1800078663	constant_power_A_real	348.79	0.0	174.395	0.0
load	N_1800078663	constant_power_B_real	348.79	0.0	174.395	0.0
load	N_1800078663	constant_power_A_reac	114.642	0.0	57.321	0.0
load	N_1800078663	constant_power_B_reac	114.642	0.0	57.321	0.0
load	N_1800002659	constant_power_A	561.364	184.511	280.682	92.2555
load	N_1800002659	constant_power_B	561.364	184.511	280.682	92.2555
load	N_1800002659	constant_power_A_real	561.364	0.0	280.682	0.0
load	N_1800002659	constant_power_B_real	561.364	0.0	280.682	0.0
load	N_1800002659	constant_power_A_reac	184.511	0.0	92.2555	0.0
load	N_1800002659	constant_power_B_reac	184.511	0.0	92.2555	0.0
load	N_1800041505	constant_power_A	523.044	174.743	261.522	87.3715
load	N_1800041505	constant_power_B	523.044	174.743	261.522	87.3715
load	N_1800041505	constant_power_A_real	523.044	0.0	261.522	0.0
load	N_1800041505	constant_power_B_real	523.044	0.0	261.522	0.0
load	N_1800041505	constant_power_A_reac	174.743	0.0	87.3715	0.0
load	N_1800041505	constant_power_B_reac	174.743	0.0	87.3715	0.0
load	N_1800042974	constant_power_A	551.015	190.91	275.5075	95.455
load	N_1800042974	constant_power_B	551.015	190.91	275.5075	95.455
load	N_1800042974	constant_power_A_real	551.015	0.0	275.5075	0.0
load	N_1800042974	constant_power_B_real	551.015	0.0	275.5075	0.0
load	N_1800042974	constant_power_A_reac	190.91	0.0	95.455	0.0
load	N_1800042974	constant_power_B_reac	190.91	0.0	95.455	0.0
load	N_1800016497	constant_power_A	787.924	258.978	393.962	129.489
load	N_1800016497	constant_power_B	787.924	258.978	393.962	129.489
load	N_1800016497	constant_power_A_real	787.924	0.0	393.962	0.0
load	N_1800016497	constant_power_B_real	787.924	0.0	393.962	0.0
load	N_1800016497	constant_power_A_reac	258.978	0.0	129.489	0.0
load	N_1800016497	constant_power_B_reac	258.978	0.0	129.489	0.0
load	N_1800003313	constant_power_A	460.578	168.639	230.289	84.3195
load	N_1800003313	constant_power_B	460.578	168.639	230.289	84.3195
load	N_1800003313	constant_power_C	460.578	168.639	230.289	84.3195
load	N_1800003313	constant_power_A_real	460.578	0.0	230.289	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800003313	constant_power_B_real	460.578	0.0	230.289	0.0
load	N_1800003313	constant_power_C_real	460.578	0.0	230.289	0.0
load	N_1800003313	constant_power_A_reac	168.639	0.0	84.3195	0.0
load	N_1800003313	constant_power_B_reac	168.639	0.0	84.3195	0.0
load	N_1800003313	constant_power_C_reac	168.639	0.0	84.3195	0.0
load	N_1800003310	constant_power_A	622.992	204.768	311.496	102.384
load	N_1800003310	constant_power_B	622.992	204.768	311.496	102.384
load	N_1800003310	constant_power_C	622.992	204.768	311.496	102.384
load	N_1800003310	constant_power_A_real	622.992	0.0	311.496	0.0
load	N_1800003310	constant_power_B_real	622.992	0.0	311.496	0.0
load	N_1800003310	constant_power_C_real	622.992	0.0	311.496	0.0
load	N_1800003310	constant_power_A_reac	204.768	0.0	102.384	0.0
load	N_1800003310	constant_power_B_reac	204.768	0.0	102.384	0.0
load	N_1800003310	constant_power_C_reac	204.768	0.0	102.384	0.0
load	N_18000035549	constant_power_A	371.818	131.634	185.909	65.817
load	N_18000035549	constant_power_B	371.818	131.634	185.909	65.817
load	N_18000035549	constant_power_C	371.818	131.634	185.909	65.817
load	N_18000035549	constant_power_A_real	371.818	0.0	185.909	0.0
load	N_18000035549	constant_power_B_real	371.818	0.0	185.909	0.0
load	N_18000035549	constant_power_C_real	371.818	0.0	185.909	0.0
load	N_18000035549	constant_power_A_reac	131.634	0.0	65.817	0.0
load	N_18000035549	constant_power_B_reac	131.634	0.0	65.817	0.0
load	N_18000035549	constant_power_C_reac	131.634	0.0	65.817	0.0
load	N_18000035548	constant_power_A	272.617	96.6409	136.3085	48.32045
load	N_18000035548	constant_power_B	272.617	96.6409	136.3085	48.32045
load	N_18000035548	constant_power_C	272.617	96.6409	136.3085	48.32045
load	N_18000035548	constant_power_A_real	272.617	0.0	136.3085	0.0
load	N_18000035548	constant_power_B_real	272.617	0.0	136.3085	0.0
load	N_18000035548	constant_power_C_real	272.617	0.0	136.3085	0.0
load	N_18000035548	constant_power_A_reac	96.6409	0.0	48.32045	0.0
load	N_18000035548	constant_power_B_reac	96.6409	0.0	48.32045	0.0
load	N_18000035548	constant_power_C_reac	96.6409	0.0	48.32045	0.0
load	N_18000035547	constant_power_A	769.743	408.673	384.8715	204.3365
load	N_18000035547	constant_power_B	769.743	408.673	384.8715	204.3365
load	N_18000035547	constant_power_C	769.743	408.673	384.8715	204.3365
load	N_18000035547	constant_power_A_real	769.743	0.0	384.8715	0.0
load	N_18000035547	constant_power_B_real	769.743	0.0	384.8715	0.0
load	N_18000035547	constant_power_C_real	769.743	0.0	384.8715	0.0
load	N_18000035547	constant_power_A_reac	408.673	0.0	204.3365	0.0
load	N_18000035547	constant_power_B_reac	408.673	0.0	204.3365	0.0
load	N_18000035547	constant_power_C_reac	408.673	0.0	204.3365	0.0
load	N_18000035546	constant_power_A	281.008	142.285	140.504	71.1425
load	N_18000035546	constant_power_B	281.008	142.285	140.504	71.1425
load	N_18000035546	constant_power_C	281.008	142.285	140.504	71.1425
load	N_18000035546	constant_power_A_real	281.008	0.0	140.504	0.0
load	N_18000035546	constant_power_B_real	281.008	0.0	140.504	0.0
load	N_18000035546	constant_power_C_real	281.008	0.0	140.504	0.0
load	N_18000035546	constant_power_A_reac	142.285	0.0	71.1425	0.0
load	N_18000035546	constant_power_B_reac	142.285	0.0	71.1425	0.0
load	N_18000035546	constant_power_C_reac	142.285	0.0	71.1425	0.0
load	N_18000036340	constant_power_A	595.488	208.103	297.744	104.0515
load	N_18000036340	constant_power_B	595.488	208.103	297.744	104.0515
load	N_18000036340	constant_power_A_real	595.488	0.0	297.744	0.0
load	N_18000036340	constant_power_B_real	595.488	0.0	297.744	0.0
load	N_18000036340	constant_power_A_reac	208.103	0.0	104.0515	0.0
load	N_18000036340	constant_power_B_reac	208.103	0.0	104.0515	0.0
load	N_18000035542	constant_power_A	275.787	90.6468	137.8935	45.3234
load	N_18000035542	constant_power_B	275.787	90.6468	137.8935	45.3234
load	N_18000035542	constant_power_A_real	275.787	0.0	137.8935	0.0
load	N_18000035542	constant_power_B_real	275.787	0.0	137.8935	0.0
load	N_18000035542	constant_power_A_reac	90.6468	0.0	45.3234	0.0
load	N_18000035542	constant_power_B_reac	90.6468	0.0	45.3234	0.0
load	N_18000035541	constant_power_A	666.812	219.171	333.406	109.5855

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800035541	constant_power_B	666.812	219.171	333.406	109.5855
load	N_1800035541	constant_power_A_real	666.812	0.0	333.406	0.0
load	N_1800035541	constant_power_B_real	666.812	0.0	333.406	0.0
load	N_1800035541	constant_power_A_reac	219.171	0.0	109.5855	0.0
load	N_1800035541	constant_power_B_reac	219.171	0.0	109.5855	0.0
load	N_1800035540	constant_power_A	500.855	164.916	250.4275	82.458
load	N_1800035540	constant_power_B	500.855	164.916	250.4275	82.458
load	N_1800035540	constant_power_C	500.855	164.916	250.4275	82.458
load	N_1800035540	constant_power_A_real	500.855	0.0	250.4275	0.0
load	N_1800035540	constant_power_B_real	500.855	0.0	250.4275	0.0
load	N_1800035540	constant_power_C_real	500.855	0.0	250.4275	0.0
load	N_1800035540	constant_power_A_reac	164.916	0.0	82.458	0.0
load	N_1800035540	constant_power_B_reac	164.916	0.0	82.458	0.0
load	N_1800035540	constant_power_C_reac	164.916	0.0	82.458	0.0
load	N_1800028756	constant_power_A	228.797	141.796	114.3985	70.898
load	N_1800028756	constant_power_B	228.797	141.796	114.3985	70.898
load	N_1800028756	constant_power_C	228.797	141.796	114.3985	70.898
load	N_1800028756	constant_power_A_real	228.797	0.0	114.3985	0.0
load	N_1800028756	constant_power_B_real	228.797	0.0	114.3985	0.0
load	N_1800028756	constant_power_C_real	228.797	0.0	114.3985	0.0
load	N_1800028756	constant_power_A_reac	141.796	0.0	70.898	0.0
load	N_1800028756	constant_power_B_reac	141.796	0.0	70.898	0.0
load	N_1800028756	constant_power_C_reac	141.796	0.0	70.898	0.0
load	N_1800054209	constant_power_A	177.705	70.9729	88.8525	35.48645
load	N_1800054209	constant_power_B	177.705	70.9729	88.8525	35.48645
load	N_1800054209	constant_power_C	177.705	70.9729	88.8525	35.48645
load	N_1800054209	constant_power_A_real	177.705	0.0	88.8525	0.0
load	N_1800054209	constant_power_B_real	177.705	0.0	88.8525	0.0
load	N_1800054209	constant_power_C_real	177.705	0.0	88.8525	0.0
load	N_1800054209	constant_power_A_reac	70.9729	0.0	35.48645	0.0
load	N_1800054209	constant_power_B_reac	70.9729	0.0	35.48645	0.0
load	N_1800054209	constant_power_C_reac	70.9729	0.0	35.48645	0.0
load	N_1800007114	constant_power_A	15.2903	5.02569	7.64515	2.512845
load	N_1800007114	constant_power_B	15.2903	5.02569	7.64515	2.512845
load	N_1800007114	constant_power_C	15.2903	5.02569	7.64515	2.512845
load	N_1800007114	constant_power_A_real	15.2903	0.0	7.64515	0.0
load	N_1800007114	constant_power_B_real	15.2903	0.0	7.64515	0.0
load	N_1800007114	constant_power_C_real	15.2903	0.0	7.64515	0.0
load	N_1800007114	constant_power_A_reac	5.02569	0.0	2.512845	0.0
load	N_1800007114	constant_power_B_reac	5.02569	0.0	2.512845	0.0
load	N_1800007114	constant_power_C_reac	5.02569	0.0	2.512845	0.0
load	N_1800017604	constant_power_A	188.893	62.086	94.4465	31.043
load	N_1800017604	constant_power_B	188.893	62.086	94.4465	31.043
load	N_1800017604	constant_power_C	188.893	62.086	94.4465	31.043
load	N_1800017604	constant_power_A_real	188.893	0.0	94.4465	0.0
load	N_1800017604	constant_power_B_real	188.893	0.0	94.4465	0.0
load	N_1800017604	constant_power_C_real	188.893	0.0	94.4465	0.0
load	N_1800017604	constant_power_A_reac	62.086	0.0	31.043	0.0
load	N_1800017604	constant_power_B_reac	62.086	0.0	31.043	0.0
load	N_1800017604	constant_power_C_reac	62.086	0.0	31.043	0.0
load	N_1800034014	constant_power_A	178.264	110.478	89.132	55.239
load	N_1800034014	constant_power_B	178.264	110.478	89.132	55.239
load	N_1800034014	constant_power_C	178.264	110.478	89.132	55.239
load	N_1800034014	constant_power_A_real	178.264	0.0	89.132	0.0
load	N_1800034014	constant_power_B_real	178.264	0.0	89.132	0.0
load	N_1800034014	constant_power_C_real	178.264	0.0	89.132	0.0
load	N_1800034014	constant_power_A_reac	110.478	0.0	55.239	0.0
load	N_1800034014	constant_power_B_reac	110.478	0.0	55.239	0.0
load	N_1800034014	constant_power_C_reac	110.478	0.0	55.239	0.0
load	N_1800034011	constant_power_A	532.741	330.163	266.3705	165.0815
load	N_1800034011	constant_power_B	532.741	330.163	266.3705	165.0815
load	N_1800034011	constant_power_C	532.741	330.163	266.3705	165.0815
load	N_1800034011	constant_power_A_real	532.741	0.0	266.3705	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034011	constant_power_B_real	532.741	0.0	266.3705	0.0
load	N_1800034011	constant_power_C_real	532.741	0.0	266.3705	0.0
load	N_1800034011	constant_power_A_reac	330.163	0.0	165.0815	0.0
load	N_1800034011	constant_power_B_reac	330.163	0.0	165.0815	0.0
load	N_1800034011	constant_power_C_reac	330.163	0.0	165.0815	0.0
load	N_1800002031	constant_power_A	43.074	14.1577	21.537	7.07885
load	N_1800002031	constant_power_B	43.074	14.1577	21.537	7.07885
load	N_1800002031	constant_power_A_real	43.074	0.0	21.537	0.0
load	N_1800002031	constant_power_B_real	43.074	0.0	21.537	0.0
load	N_1800002031	constant_power_A_reac	14.1577	0.0	7.07885	0.0
load	N_1800002031	constant_power_B_reac	14.1577	0.0	7.07885	0.0
load	N_1800191061	constant_power_A	6333.33	3925.05	3166.665	1962.525
load	N_1800191061	constant_power_B	6333.33	3925.05	3166.665	1962.525
load	N_1800191061	constant_power_C	6333.33	3925.05	3166.665	1962.525
load	N_1800191061	constant_power_A_real	6333.33	0.0	3166.665	0.0
load	N_1800191061	constant_power_B_real	6333.33	0.0	3166.665	0.0
load	N_1800191061	constant_power_C_real	6333.33	0.0	3166.665	0.0
load	N_1800191061	constant_power_A_reac	3925.05	0.0	1962.525	0.0
load	N_1800191061	constant_power_B_reac	3925.05	0.0	1962.525	0.0
load	N_1800191061	constant_power_C_reac	3925.05	0.0	1962.525	0.0
load	N_1800054155	constant_power_A	369.581	121.475	184.7905	60.7375
load	N_1800054155	constant_power_B	369.581	121.475	184.7905	60.7375
load	N_1800054155	constant_power_C	369.581	121.475	184.7905	60.7375
load	N_1800054155	constant_power_A_real	369.581	0.0	184.7905	0.0
load	N_1800054155	constant_power_B_real	369.581	0.0	184.7905	0.0
load	N_1800054155	constant_power_C_real	369.581	0.0	184.7905	0.0
load	N_1800054155	constant_power_A_reac	121.475	0.0	60.7375	0.0
load	N_1800054155	constant_power_B_reac	121.475	0.0	60.7375	0.0
load	N_1800054155	constant_power_C_reac	121.475	0.0	60.7375	0.0
load	N_1800007361	constant_power_A	890.015	292.534	445.0075	146.267
load	N_1800007361	constant_power_B	890.015	292.534	445.0075	146.267
load	N_1800007361	constant_power_A_real	890.015	0.0	445.0075	0.0
load	N_1800007361	constant_power_B_real	890.015	0.0	445.0075	0.0
load	N_1800007361	constant_power_A_reac	292.534	0.0	146.267	0.0
load	N_1800007361	constant_power_B_reac	292.534	0.0	146.267	0.0
load	N_1800038248	constant_power_A	157.753	51.8508	78.8765	25.9254
load	N_1800038248	constant_power_B	157.753	51.8508	78.8765	25.9254
load	N_1800038248	constant_power_C	157.753	51.8508	78.8765	25.9254
load	N_1800038248	constant_power_A_real	157.753	0.0	78.8765	0.0
load	N_1800038248	constant_power_B_real	157.753	0.0	78.8765	0.0
load	N_1800038248	constant_power_C_real	157.753	0.0	78.8765	0.0
load	N_1800038248	constant_power_A_reac	51.8508	0.0	25.9254	0.0
load	N_1800038248	constant_power_B_reac	51.8508	0.0	25.9254	0.0
load	N_1800038248	constant_power_C_reac	51.8508	0.0	25.9254	0.0
load	N_1800077144	constant_power_A	124.748	69.0208	62.374	34.5104
load	N_1800077144	constant_power_B	124.748	69.0208	62.374	34.5104
load	N_1800077144	constant_power_C	124.748	69.0208	62.374	34.5104
load	N_1800077144	constant_power_A_real	124.748	0.0	62.374	0.0
load	N_1800077144	constant_power_B_real	124.748	0.0	62.374	0.0
load	N_1800077144	constant_power_C_real	124.748	0.0	62.374	0.0
load	N_1800077144	constant_power_A_reac	69.0208	0.0	34.5104	0.0
load	N_1800077144	constant_power_B_reac	69.0208	0.0	34.5104	0.0
load	N_1800077144	constant_power_C_reac	69.0208	0.0	34.5104	0.0
load	N_1800041177	constant_power_A	267.583	159.215	133.7915	79.6075
load	N_1800041177	constant_power_B	267.583	159.215	133.7915	79.6075
load	N_1800041177	constant_power_C	267.583	159.215	133.7915	79.6075
load	N_1800041177	constant_power_A_real	267.583	0.0	133.7915	0.0
load	N_1800041177	constant_power_B_real	267.583	0.0	133.7915	0.0
load	N_1800041177	constant_power_C_real	267.583	0.0	133.7915	0.0
load	N_1800041177	constant_power_A_reac	159.215	0.0	79.6075	0.0
load	N_1800041177	constant_power_B_reac	159.215	0.0	79.6075	0.0
load	N_1800041177	constant_power_C_reac	159.215	0.0	79.6075	0.0
load	N_1800038243	constant_power_A	717.345	235.78	358.6725	117.89

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800038243	constant_power_B	717.345	235.78	358.6725	117.89
load	N_1800038243	constant_power_C	717.345	235.78	358.6725	117.89
load	N_1800038243	constant_power_A_real	717.345	0.0	358.6725	0.0
load	N_1800038243	constant_power_B_real	717.345	0.0	358.6725	0.0
load	N_1800038243	constant_power_C_real	717.345	0.0	358.6725	0.0
load	N_1800038243	constant_power_A_reac	235.78	0.0	117.89	0.0
load	N_1800038243	constant_power_B_reac	235.78	0.0	117.89	0.0
load	N_1800038243	constant_power_C_reac	235.78	0.0	117.89	0.0
load	N_1800019888	constant_power_A	64666.7	40076.8	32333.35	20038.4
load	N_1800019888	constant_power_B	64666.7	40076.8	32333.35	20038.4
load	N_1800019888	constant_power_C	64666.7	40076.8	32333.35	20038.4
load	N_1800019888	constant_power_A_real	64666.7	0.0	32333.35	0.0
load	N_1800019888	constant_power_B_real	64666.7	0.0	32333.35	0.0
load	N_1800019888	constant_power_C_real	64666.7	0.0	32333.35	0.0
load	N_1800019888	constant_power_A_reac	40076.8	0.0	20038.4	0.0
load	N_1800019888	constant_power_B_reac	40076.8	0.0	20038.4	0.0
load	N_1800019888	constant_power_C_reac	40076.8	0.0	20038.4	0.0
load	N_1800038247	constant_power_A	498.058	163.704	249.029	81.852
load	N_1800038247	constant_power_B	498.058	163.704	249.029	81.852
load	N_1800038247	constant_power_C	498.058	163.704	249.029	81.852
load	N_1800038247	constant_power_A_real	498.058	0.0	249.029	0.0
load	N_1800038247	constant_power_B_real	498.058	0.0	249.029	0.0
load	N_1800038247	constant_power_C_real	498.058	0.0	249.029	0.0
load	N_1800038247	constant_power_A_reac	163.704	0.0	81.852	0.0
load	N_1800038247	constant_power_B_reac	163.704	0.0	81.852	0.0
load	N_1800038247	constant_power_C_reac	163.704	0.0	81.852	0.0
load	N_1800038246	constant_power_A	94.726	31.1349	47.363	15.56745
load	N_1800038246	constant_power_B	94.726	31.1349	47.363	15.56745
load	N_1800038246	constant_power_C	94.726	31.1349	47.363	15.56745
load	N_1800038246	constant_power_A_real	94.726	0.0	47.363	0.0
load	N_1800038246	constant_power_B_real	94.726	0.0	47.363	0.0
load	N_1800038246	constant_power_C_real	94.726	0.0	47.363	0.0
load	N_1800038246	constant_power_A_reac	31.1349	0.0	15.56745	0.0
load	N_1800038246	constant_power_B_reac	31.1349	0.0	15.56745	0.0
load	N_1800038246	constant_power_C_reac	31.1349	0.0	15.56745	0.0
load	N_1800038245	constant_power_A	248.376	81.6374	124.188	40.8187
load	N_1800038245	constant_power_B	248.376	81.6374	124.188	40.8187
load	N_1800038245	constant_power_C	248.376	81.6374	124.188	40.8187
load	N_1800038245	constant_power_A_real	248.376	0.0	124.188	0.0
load	N_1800038245	constant_power_B_real	248.376	0.0	124.188	0.0
load	N_1800038245	constant_power_C_real	248.376	0.0	124.188	0.0
load	N_1800038245	constant_power_A_reac	81.6374	0.0	40.8187	0.0
load	N_1800038245	constant_power_B_reac	81.6374	0.0	40.8187	0.0
load	N_1800038245	constant_power_C_reac	81.6374	0.0	40.8187	0.0
load	N_1800038244	constant_power_A	893.092	293.545	446.546	146.7725
load	N_1800038244	constant_power_B	893.092	293.545	446.546	146.7725
load	N_1800038244	constant_power_A_real	893.092	0.0	446.546	0.0
load	N_1800038244	constant_power_B_real	893.092	0.0	446.546	0.0
load	N_1800038244	constant_power_A_reac	293.545	0.0	146.7725	0.0
load	N_1800038244	constant_power_B_reac	293.545	0.0	146.7725	0.0
load	N_1800054190	constant_power_A	34.6833	19.1897	17.34165	9.59485
load	N_1800054190	constant_power_B	34.6833	19.1897	17.34165	9.59485
load	N_1800054190	constant_power_C	34.6833	19.1897	17.34165	9.59485
load	N_1800054190	constant_power_A_real	34.6833	0.0	17.34165	0.0
load	N_1800054190	constant_power_B_real	34.6833	0.0	17.34165	0.0
load	N_1800054190	constant_power_C_real	34.6833	0.0	17.34165	0.0
load	N_1800054190	constant_power_A_reac	19.1897	0.0	9.59485	0.0
load	N_1800054190	constant_power_B_reac	19.1897	0.0	9.59485	0.0
load	N_1800054190	constant_power_C_reac	19.1897	0.0	9.59485	0.0
load	N_1800054195	constant_power_A	51.465	28.4747	25.7325	14.23735
load	N_1800054195	constant_power_B	51.465	28.4747	25.7325	14.23735
load	N_1800054195	constant_power_A_real	51.465	0.0	25.7325	0.0
load	N_1800054195	constant_power_B_real	51.465	0.0	25.7325	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054195	constant_power_A_reac	28.4747	0.0	14.23735	0.0
load	N_1800054195	constant_power_B_reac	28.4747	0.0	14.23735	0.0
load	N_1800054196	constant_power_A	297.791	184.368	148.8955	92.184
load	N_1800054196	constant_power_B	297.791	184.368	148.8955	92.184
load	N_1800054196	constant_power_C	297.791	184.368	148.8955	92.184
load	N_1800054196	constant_power_A_real	297.791	0.0	148.8955	0.0
load	N_1800054196	constant_power_B_real	297.791	0.0	148.8955	0.0
load	N_1800054196	constant_power_C_real	297.791	0.0	148.8955	0.0
load	N_1800054196	constant_power_A_reac	184.368	0.0	92.184	0.0
load	N_1800054196	constant_power_B_reac	184.368	0.0	92.184	0.0
load	N_1800054196	constant_power_C_reac	184.368	0.0	92.184	0.0
load	N_1800054199	constant_power_A	457.781	271.17	228.8905	135.585
load	N_1800054199	constant_power_B	457.781	271.17	228.8905	135.585
load	N_1800054199	constant_power_C	457.781	271.17	228.8905	135.585
load	N_1800054199	constant_power_A_real	457.781	0.0	228.8905	0.0
load	N_1800054199	constant_power_B_real	457.781	0.0	228.8905	0.0
load	N_1800054199	constant_power_C_real	457.781	0.0	228.8905	0.0
load	N_1800054199	constant_power_A_reac	271.17	0.0	135.585	0.0
load	N_1800054199	constant_power_B_reac	271.17	0.0	135.585	0.0
load	N_1800054199	constant_power_C_reac	271.17	0.0	135.585	0.0
load	N_1800054052	constant_power_A	520.527	171.089	260.2635	85.5445
load	N_1800054052	constant_power_B	520.527	171.089	260.2635	85.5445
load	N_1800054052	constant_power_A_real	520.527	0.0	260.2635	0.0
load	N_1800054052	constant_power_B_real	520.527	0.0	260.2635	0.0
load	N_1800054052	constant_power_A_reac	171.089	0.0	85.5445	0.0
load	N_1800054052	constant_power_B_reac	171.089	0.0	85.5445	0.0
load	N_1800038482	constant_power_A	181.807	59.7571	90.9035	29.87855
load	N_1800038482	constant_power_B	181.807	59.7571	90.9035	29.87855
load	N_1800038482	constant_power_A_real	181.807	0.0	90.9035	0.0
load	N_1800038482	constant_power_B_real	181.807	0.0	90.9035	0.0
load	N_1800038482	constant_power_A_reac	59.7571	0.0	29.87855	0.0
load	N_1800038482	constant_power_B_reac	59.7571	0.0	29.87855	0.0
load	N_1800054055	constant_power_A	60.043	19.7352	30.0215	9.8676
load	N_1800054055	constant_power_B	60.043	19.7352	30.0215	9.8676
load	N_1800054055	constant_power_C	60.043	19.7352	30.0215	9.8676
load	N_1800054055	constant_power_A_real	60.043	0.0	30.0215	0.0
load	N_1800054055	constant_power_B_real	60.043	0.0	30.0215	0.0
load	N_1800054055	constant_power_C_real	60.043	0.0	30.0215	0.0
load	N_1800054055	constant_power_A_reac	19.7352	0.0	9.8676	0.0
load	N_1800054055	constant_power_B_reac	19.7352	0.0	9.8676	0.0
load	N_1800054055	constant_power_C_reac	19.7352	0.0	9.8676	0.0
load	N_1800038487	constant_power_A	1042.17	369.37	521.085	184.685
load	N_1800038487	constant_power_B	1042.17	369.37	521.085	184.685
load	N_1800038487	constant_power_A_real	1042.17	0.0	521.085	0.0
load	N_1800038487	constant_power_B_real	1042.17	0.0	521.085	0.0
load	N_1800038487	constant_power_A_reac	369.37	0.0	184.685	0.0
load	N_1800038487	constant_power_B_reac	369.37	0.0	184.685	0.0
load	N_1800054057	constant_power_A	598.938	196.861	299.469	98.4305
load	N_1800054057	constant_power_B	598.938	196.861	299.469	98.4305
load	N_1800054057	constant_power_C	598.938	196.861	299.469	98.4305
load	N_1800054057	constant_power_A_real	598.938	0.0	299.469	0.0
load	N_1800054057	constant_power_B_real	598.938	0.0	299.469	0.0
load	N_1800054057	constant_power_C_real	598.938	0.0	299.469	0.0
load	N_1800054057	constant_power_A_reac	196.861	0.0	98.4305	0.0
load	N_1800054057	constant_power_B_reac	196.861	0.0	98.4305	0.0
load	N_1800054057	constant_power_C_reac	196.861	0.0	98.4305	0.0
load	N_180005026	constant_power_A	10666.7	6610.61	5333.35	3305.305
load	N_180005026	constant_power_B	10666.7	6610.61	5333.35	3305.305
load	N_180005026	constant_power_C	10666.7	6610.61	5333.35	3305.305
load	N_180005026	constant_power_A_real	10666.7	0.0	5333.35	0.0
load	N_180005026	constant_power_B_real	10666.7	0.0	5333.35	0.0
load	N_180005026	constant_power_C_real	10666.7	0.0	5333.35	0.0
load	N_180005026	constant_power_A_reac	6610.61	0.0	3305.305	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800005026	constant_power_B_reac	6610.61	0.0	3305.305	0.0
load	N_1800005026	constant_power_C_reac	6610.61	0.0	3305.305	0.0
load	N_1800035543	constant_power_A	509.339	167.412	254.6695	83.706
load	N_1800035543	constant_power_B	509.339	167.412	254.6695	83.706
load	N_1800035543	constant_power_A_real	509.339	0.0	254.6695	0.0
load	N_1800035543	constant_power_B_real	509.339	0.0	254.6695	0.0
load	N_1800035543	constant_power_A_reac	167.412	0.0	83.706	0.0
load	N_1800035543	constant_power_B_reac	167.412	0.0	83.706	0.0
load	N_1800042971	constant_power_A	506.263	166.401	253.1315	83.2005
load	N_1800042971	constant_power_B	506.263	166.401	253.1315	83.2005
load	N_1800042971	constant_power_A_real	506.263	0.0	253.1315	0.0
load	N_1800042971	constant_power_B_real	506.263	0.0	253.1315	0.0
load	N_1800042971	constant_power_A_reac	166.401	0.0	83.2005	0.0
load	N_1800042971	constant_power_B_reac	166.401	0.0	83.2005	0.0
load	N_1800005028	constant_power_A	401.654	132.017	200.827	66.0085
load	N_1800005028	constant_power_B	401.654	132.017	200.827	66.0085
load	N_1800005028	constant_power_A_real	401.654	0.0	200.827	0.0
load	N_1800005028	constant_power_B_real	401.654	0.0	200.827	0.0
load	N_1800005028	constant_power_A_reac	132.017	0.0	66.0085	0.0
load	N_1800005028	constant_power_B_reac	132.017	0.0	66.0085	0.0
load	N_1800004263	constant_power_A	4898.82	2978.87	2449.41	1489.435
load	N_1800004263	constant_power_B	4898.82	2978.87	2449.41	1489.435
load	N_1800004263	constant_power_C	4898.82	2978.87	2449.41	1489.435
load	N_1800004263	constant_power_A_real	4898.82	0.0	2449.41	0.0
load	N_1800004263	constant_power_B_real	4898.82	0.0	2449.41	0.0
load	N_1800004263	constant_power_C_real	4898.82	0.0	2449.41	0.0
load	N_1800004263	constant_power_A_reac	2978.87	0.0	1489.435	0.0
load	N_1800004263	constant_power_B_reac	2978.87	0.0	1489.435	0.0
load	N_1800004263	constant_power_C_reac	2978.87	0.0	1489.435	0.0
load	N_1800003529	constant_power_A	551.947	295.08	275.9735	147.54
load	N_1800003529	constant_power_B	551.947	295.08	275.9735	147.54
load	N_1800003529	constant_power_C	551.947	295.08	275.9735	147.54
load	N_1800003529	constant_power_A_real	551.947	0.0	275.9735	0.0
load	N_1800003529	constant_power_B_real	551.947	0.0	275.9735	0.0
load	N_1800003529	constant_power_C_real	551.947	0.0	275.9735	0.0
load	N_1800003529	constant_power_A_reac	295.08	0.0	147.54	0.0
load	N_1800003529	constant_power_B_reac	295.08	0.0	147.54	0.0
load	N_1800003529	constant_power_C_reac	295.08	0.0	147.54	0.0
load	N_1800058424	constant_power_A	103.21	33.9235	51.605	16.96175
load	N_1800058424	constant_power_B	103.21	33.9235	51.605	16.96175
load	N_1800058424	constant_power_A_real	103.21	0.0	51.605	0.0
load	N_1800058424	constant_power_B_real	103.21	0.0	51.605	0.0
load	N_1800058424	constant_power_A_reac	33.9235	0.0	16.96175	0.0
load	N_1800058424	constant_power_B_reac	33.9235	0.0	16.96175	0.0
load	N_1800054172	constant_power_A	127.172	65.623	63.586	32.8115
load	N_1800054172	constant_power_B	127.172	65.623	63.586	32.8115
load	N_1800054172	constant_power_C	127.172	65.623	63.586	32.8115
load	N_1800054172	constant_power_A_real	127.172	0.0	63.586	0.0
load	N_1800054172	constant_power_B_real	127.172	0.0	63.586	0.0
load	N_1800054172	constant_power_C_real	127.172	0.0	63.586	0.0
load	N_1800054172	constant_power_A_reac	65.623	0.0	32.8115	0.0
load	N_1800054172	constant_power_B_reac	65.623	0.0	32.8115	0.0
load	N_1800054172	constant_power_C_reac	65.623	0.0	32.8115	0.0
load	N_1800194976	constant_power_A	308.606	101.434	154.303	50.717
load	N_1800194976	constant_power_B	308.606	101.434	154.303	50.717
load	N_1800194976	constant_power_C	308.606	101.434	154.303	50.717
load	N_1800194976	constant_power_A_real	308.606	0.0	154.303	0.0
load	N_1800194976	constant_power_B_real	308.606	0.0	154.303	0.0
load	N_1800194976	constant_power_C_real	308.606	0.0	154.303	0.0
load	N_1800194976	constant_power_A_reac	101.434	0.0	50.717	0.0
load	N_1800194976	constant_power_B_reac	101.434	0.0	50.717	0.0
load	N_1800194976	constant_power_C_reac	101.434	0.0	50.717	0.0
load	N_1800054170	constant_power_A	413.774	137.257	206.887	68.6285

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054170	constant_power_B	413.774	137.257	206.887	68.6285
load	N_1800054170	constant_power_C	413.774	137.257	206.887	68.6285
load	N_1800054170	constant_power_A_real	413.774	0.0	206.887	0.0
load	N_1800054170	constant_power_B_real	413.774	0.0	206.887	0.0
load	N_1800054170	constant_power_C_real	413.774	0.0	206.887	0.0
load	N_1800054170	constant_power_A_reac	137.257	0.0	68.6285	0.0
load	N_1800054170	constant_power_B_reac	137.257	0.0	68.6285	0.0
load	N_1800054170	constant_power_C_reac	137.257	0.0	68.6285	0.0
load	N_1800053448	constant_power_A	18.181	5.97581	9.0905	2.987905
load	N_1800053448	constant_power_B	18.181	5.97581	9.0905	2.987905
load	N_1800053448	constant_power_A_real	18.181	0.0	9.0905	0.0
load	N_1800053448	constant_power_B_real	18.181	0.0	9.0905	0.0
load	N_1800053448	constant_power_A_reac	5.97581	0.0	2.987905	0.0
load	N_1800053448	constant_power_B_reac	5.97581	0.0	2.987905	0.0
load	N_1800053446	constant_power_A	127.731	41.9831	63.8655	20.99155
load	N_1800053446	constant_power_B	127.731	41.9831	63.8655	20.99155
load	N_1800053446	constant_power_C	127.731	41.9831	63.8655	20.99155
load	N_1800053446	constant_power_A_real	127.731	0.0	63.8655	0.0
load	N_1800053446	constant_power_B_real	127.731	0.0	63.8655	0.0
load	N_1800053446	constant_power_C_real	127.731	0.0	63.8655	0.0
load	N_1800053446	constant_power_A_reac	41.9831	0.0	20.99155	0.0
load	N_1800053446	constant_power_B_reac	41.9831	0.0	20.99155	0.0
load	N_1800053446	constant_power_C_reac	41.9831	0.0	20.99155	0.0
load	N_1800053447	constant_power_A	110.203	36.222	55.1015	18.111
load	N_1800053447	constant_power_B	110.203	36.222	55.1015	18.111
load	N_1800053447	constant_power_A_real	110.203	0.0	55.1015	0.0
load	N_1800053447	constant_power_B_real	110.203	0.0	55.1015	0.0
load	N_1800053447	constant_power_A_reac	36.222	0.0	18.111	0.0
load	N_1800053447	constant_power_B_reac	36.222	0.0	18.111	0.0
load	N_1800053561	constant_power_A	151.413	49.7669	75.7065	24.88345
load	N_1800053561	constant_power_B	151.413	49.7669	75.7065	24.88345
load	N_1800053561	constant_power_C	151.413	49.7669	75.7065	24.88345
load	N_1800053561	constant_power_A_real	151.413	0.0	75.7065	0.0
load	N_1800053561	constant_power_B_real	151.413	0.0	75.7065	0.0
load	N_1800053561	constant_power_C_real	151.413	0.0	75.7065	0.0
load	N_1800053561	constant_power_A_reac	49.7669	0.0	24.88345	0.0
load	N_1800053561	constant_power_B_reac	49.7669	0.0	24.88345	0.0
load	N_1800053561	constant_power_C_reac	49.7669	0.0	24.88345	0.0
load	N_1800053560	constant_power_A	111.322	48.6932	55.661	24.3466
load	N_1800053560	constant_power_B	111.322	48.6932	55.661	24.3466
load	N_1800053560	constant_power_C	111.322	48.6932	55.661	24.3466
load	N_1800053560	constant_power_A_real	111.322	0.0	55.661	0.0
load	N_1800053560	constant_power_B_real	111.322	0.0	55.661	0.0
load	N_1800053560	constant_power_C_real	111.322	0.0	55.661	0.0
load	N_1800053560	constant_power_A_reac	48.6932	0.0	24.3466	0.0
load	N_1800053560	constant_power_B_reac	48.6932	0.0	24.3466	0.0
load	N_1800053560	constant_power_C_reac	48.6932	0.0	24.3466	0.0
load	N_1800053563	constant_power_A	103.21	33.9235	51.605	16.96175
load	N_1800053563	constant_power_B	103.21	33.9235	51.605	16.96175
load	N_1800053563	constant_power_A_real	103.21	0.0	51.605	0.0
load	N_1800053563	constant_power_B_real	103.21	0.0	51.605	0.0
load	N_1800053563	constant_power_A_reac	33.9235	0.0	16.96175	0.0
load	N_1800053563	constant_power_B_reac	33.9235	0.0	16.96175	0.0
load	N_1800053562	constant_power_A	111.136	46.0355	55.568	23.01775
load	N_1800053562	constant_power_B	111.136	46.0355	55.568	23.01775
load	N_1800053562	constant_power_C	111.136	46.0355	55.568	23.01775
load	N_1800053562	constant_power_A_real	111.136	0.0	55.568	0.0
load	N_1800053562	constant_power_B_real	111.136	0.0	55.568	0.0
load	N_1800053562	constant_power_C_real	111.136	0.0	55.568	0.0
load	N_1800053562	constant_power_A_reac	46.0355	0.0	23.01775	0.0
load	N_1800053562	constant_power_B_reac	46.0355	0.0	23.01775	0.0
load	N_1800053562	constant_power_C_reac	46.0355	0.0	23.01775	0.0
load	N_1800053569	constant_power_A	474.936	156.104	237.468	78.052

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053569	constant_power_B	474.936	156.104	237.468	78.052
load	N_1800053569	constant_power_C	474.936	156.104	237.468	78.052
load	N_1800053569	constant_power_A_real	474.936	0.0	237.468	0.0
load	N_1800053569	constant_power_B_real	474.936	0.0	237.468	0.0
load	N_1800053569	constant_power_C_real	474.936	0.0	237.468	0.0
load	N_1800053569	constant_power_A_reac	156.104	0.0	78.052	0.0
load	N_1800053569	constant_power_B_reac	156.104	0.0	78.052	0.0
load	N_1800053569	constant_power_C_reac	156.104	0.0	78.052	0.0
load	N_1800003535	constant_power_A	126.985	65.0236	63.4925	32.5118
load	N_1800003535	constant_power_B	126.985	65.0236	63.4925	32.5118
load	N_1800003535	constant_power_C	126.985	65.0236	63.4925	32.5118
load	N_1800003535	constant_power_A_real	126.985	0.0	63.4925	0.0
load	N_1800003535	constant_power_B_real	126.985	0.0	63.4925	0.0
load	N_1800003535	constant_power_C_real	126.985	0.0	63.4925	0.0
load	N_1800003535	constant_power_A_reac	65.0236	0.0	32.5118	0.0
load	N_1800003535	constant_power_B_reac	65.0236	0.0	32.5118	0.0
load	N_1800003535	constant_power_C_reac	65.0236	0.0	32.5118	0.0
load	N_1800016347	constant_power_A	256.488	84.3035	128.244	42.15175
load	N_1800016347	constant_power_B	256.488	84.3035	128.244	42.15175
load	N_1800016347	constant_power_A_real	256.488	0.0	128.244	0.0
load	N_1800016347	constant_power_B_real	256.488	0.0	128.244	0.0
load	N_1800016347	constant_power_A_reac	84.3035	0.0	42.15175	0.0
load	N_1800016347	constant_power_B_reac	84.3035	0.0	42.15175	0.0
load	N_1800039922	constant_power_A	18.46	6.06751	9.23	3.033755
load	N_1800039922	constant_power_B	18.46	6.06751	9.23	3.033755
load	N_1800039922	constant_power_A_real	18.46	0.0	9.23	0.0
load	N_1800039922	constant_power_B_real	18.46	0.0	9.23	0.0
load	N_1800039922	constant_power_A_reac	6.06751	0.0	3.033755	0.0
load	N_1800039922	constant_power_B_reac	6.06751	0.0	3.033755	0.0
load	N_1800027953	constant_power_A	269.074	88.4405	134.537	44.22025
load	N_1800027953	constant_power_B	269.074	88.4405	134.537	44.22025
load	N_1800027953	constant_power_C	269.074	88.4405	134.537	44.22025
load	N_1800027953	constant_power_A_real	269.074	0.0	134.537	0.0
load	N_1800027953	constant_power_B_real	269.074	0.0	134.537	0.0
load	N_1800027953	constant_power_C_real	269.074	0.0	134.537	0.0
load	N_1800027953	constant_power_A_reac	88.4405	0.0	44.22025	0.0
load	N_1800027953	constant_power_B_reac	88.4405	0.0	44.22025	0.0
load	N_1800027953	constant_power_C_reac	88.4405	0.0	44.22025	0.0
load	N_1800053701	constant_power_A	528.639	173.755	264.3195	86.8775
load	N_1800053701	constant_power_B	528.639	173.755	264.3195	86.8775
load	N_1800053701	constant_power_A_real	528.639	0.0	264.3195	0.0
load	N_1800053701	constant_power_B_real	528.639	0.0	264.3195	0.0
load	N_1800053701	constant_power_A_reac	173.755	0.0	86.8775	0.0
load	N_1800053701	constant_power_B_reac	173.755	0.0	86.8775	0.0
load	N_1800053700	constant_power_A	122.23	40.1751	61.115	20.08755
load	N_1800053700	constant_power_B	122.23	40.1751	61.115	20.08755
load	N_1800053700	constant_power_A_real	122.23	0.0	61.115	0.0
load	N_1800053700	constant_power_B_real	122.23	0.0	61.115	0.0
load	N_1800053700	constant_power_A_reac	40.1751	0.0	20.08755	0.0
load	N_1800053700	constant_power_B_reac	40.1751	0.0	20.08755	0.0
load	N_1800015858	constant_power_A	7147.87	4420.02	3573.935	2210.01
load	N_1800015858	constant_power_B	7147.87	4420.02	3573.935	2210.01
load	N_1800015858	constant_power_C	7147.87	4420.02	3573.935	2210.01
load	N_1800015858	constant_power_A_real	7147.87	0.0	3573.935	0.0
load	N_1800015858	constant_power_B_real	7147.87	0.0	3573.935	0.0
load	N_1800015858	constant_power_C_real	7147.87	0.0	3573.935	0.0
load	N_1800015858	constant_power_A_reac	4420.02	0.0	2210.01	0.0
load	N_1800015858	constant_power_B_reac	4420.02	0.0	2210.01	0.0
load	N_1800015858	constant_power_C_reac	4420.02	0.0	2210.01	0.0
load	N_1800053709	constant_power_A	38.972	12.8095	19.486	6.40475
load	N_1800053709	constant_power_B	38.972	12.8095	19.486	6.40475
load	N_1800053709	constant_power_C	38.972	12.8095	19.486	6.40475
load	N_1800053709	constant_power_A_real	38.972	0.0	19.486	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053709	constant_power_B_real	38.972	0.0	19.486	0.0
load	N_1800053709	constant_power_C_real	38.972	0.0	19.486	0.0
load	N_1800053709	constant_power_A_reac	12.8095	0.0	6.40475	0.0
load	N_1800053709	constant_power_B_reac	12.8095	0.0	6.40475	0.0
load	N_1800053709	constant_power_C_reac	12.8095	0.0	6.40475	0.0
load	N_1800001851	constant_power_A	1400.47	460.313	700.235	230.1565
load	N_1800001851	constant_power_B	1400.47	460.313	700.235	230.1565
load	N_1800001851	constant_power_A_real	1400.47	0.0	700.235	0.0
load	N_1800001851	constant_power_B_real	1400.47	0.0	700.235	0.0
load	N_1800001851	constant_power_A_reac	460.313	0.0	230.1565	0.0
load	N_1800001851	constant_power_B_reac	460.313	0.0	230.1565	0.0
load	N_1800044598	constant_power_A	383.38	126.011	191.69	63.0055
load	N_1800044598	constant_power_B	383.38	126.011	191.69	63.0055
load	N_1800044598	constant_power_C	383.38	126.011	191.69	63.0055
load	N_1800044598	constant_power_A_real	383.38	0.0	191.69	0.0
load	N_1800044598	constant_power_B_real	383.38	0.0	191.69	0.0
load	N_1800044598	constant_power_C_real	383.38	0.0	191.69	0.0
load	N_1800044598	constant_power_A_reac	126.011	0.0	63.0055	0.0
load	N_1800044598	constant_power_B_reac	126.011	0.0	63.0055	0.0
load	N_1800044598	constant_power_C_reac	126.011	0.0	63.0055	0.0
load	N_1800015791	constant_power_A	47.363	26.2052	23.6815	13.1026
load	N_1800015791	constant_power_B	47.363	26.2052	23.6815	13.1026
load	N_1800015791	constant_power_C	47.363	26.2052	23.6815	13.1026
load	N_1800015791	constant_power_A_real	47.363	0.0	23.6815	0.0
load	N_1800015791	constant_power_B_real	47.363	0.0	23.6815	0.0
load	N_1800015791	constant_power_C_real	47.363	0.0	23.6815	0.0
load	N_1800015791	constant_power_A_reac	26.2052	0.0	13.1026	0.0
load	N_1800015791	constant_power_B_reac	26.2052	0.0	13.1026	0.0
load	N_1800015791	constant_power_C_reac	26.2052	0.0	13.1026	0.0
load	N_1800015792	constant_power_A	75.147	24.6996	37.5735	12.3498
load	N_1800015792	constant_power_B	75.147	24.6996	37.5735	12.3498
load	N_1800015792	constant_power_C	75.147	24.6996	37.5735	12.3498
load	N_1800015792	constant_power_A_real	75.147	0.0	37.5735	0.0
load	N_1800015792	constant_power_B_real	75.147	0.0	37.5735	0.0
load	N_1800015792	constant_power_C_real	75.147	0.0	37.5735	0.0
load	N_1800015792	constant_power_A_reac	24.6996	0.0	12.3498	0.0
load	N_1800015792	constant_power_B_reac	24.6996	0.0	12.3498	0.0
load	N_1800015792	constant_power_C_reac	24.6996	0.0	12.3498	0.0
load	N_1800015793	constant_power_A	246.698	81.0857	123.349	40.54285
load	N_1800015793	constant_power_B	246.698	81.0857	123.349	40.54285
load	N_1800015793	constant_power_C	246.698	81.0857	123.349	40.54285
load	N_1800015793	constant_power_A_real	246.698	0.0	123.349	0.0
load	N_1800015793	constant_power_B_real	246.698	0.0	123.349	0.0
load	N_1800015793	constant_power_C_real	246.698	0.0	123.349	0.0
load	N_1800015793	constant_power_A_reac	81.0857	0.0	40.54285	0.0
load	N_1800015793	constant_power_B_reac	81.0857	0.0	40.54285	0.0
load	N_1800015793	constant_power_C_reac	81.0857	0.0	40.54285	0.0
load	N_1800053679	constant_power_A	109.644	67.951	54.822	33.9755
load	N_1800053679	constant_power_B	109.644	67.951	54.822	33.9755
load	N_1800053679	constant_power_C	109.644	67.951	54.822	33.9755
load	N_1800053679	constant_power_A_real	109.644	0.0	54.822	0.0
load	N_1800053679	constant_power_B_real	109.644	0.0	54.822	0.0
load	N_1800053679	constant_power_C_real	109.644	0.0	54.822	0.0
load	N_1800053679	constant_power_A_reac	67.951	0.0	33.9755	0.0
load	N_1800053679	constant_power_B_reac	67.951	0.0	33.9755	0.0
load	N_1800053679	constant_power_C_reac	67.951	0.0	33.9755	0.0
load	N_1800053770	constant_power_A	250.427	82.3115	125.2135	41.15575
load	N_1800053770	constant_power_B	250.427	82.3115	125.2135	41.15575
load	N_1800053770	constant_power_C	250.427	82.3115	125.2135	41.15575
load	N_1800053770	constant_power_A_real	250.427	0.0	125.2135	0.0
load	N_1800053770	constant_power_B_real	250.427	0.0	125.2135	0.0
load	N_1800053770	constant_power_C_real	250.427	0.0	125.2135	0.0
load	N_1800053770	constant_power_A_reac	82.3115	0.0	41.15575	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053770	constant_power_B_reac	82.3115	0.0	41.15575	0.0
load	N_1800053770	constant_power_C_reac	82.3115	0.0	41.15575	0.0
load	N_1800053677	constant_power_A	140.97	46.3346	70.485	23.1673
load	N_1800053677	constant_power_B	140.97	46.3346	70.485	23.1673
load	N_1800053677	constant_power_A_real	140.97	0.0	70.485	0.0
load	N_1800053677	constant_power_B_real	140.97	0.0	70.485	0.0
load	N_1800053677	constant_power_A_reac	46.3346	0.0	23.1673	0.0
load	N_1800053677	constant_power_B_reac	46.3346	0.0	23.1673	0.0
load	N_1800007882	constant_power_A	53.5163	29.6097	26.75815	14.80485
load	N_1800007882	constant_power_B	53.5163	29.6097	26.75815	14.80485
load	N_1800007882	constant_power_C	53.5163	29.6097	26.75815	14.80485
load	N_1800007882	constant_power_A_real	53.5163	0.0	26.75815	0.0
load	N_1800007882	constant_power_B_real	53.5163	0.0	26.75815	0.0
load	N_1800007882	constant_power_C_real	53.5163	0.0	26.75815	0.0
load	N_1800007882	constant_power_A_reac	29.6097	0.0	14.80485	0.0
load	N_1800007882	constant_power_B_reac	29.6097	0.0	14.80485	0.0
load	N_1800007882	constant_power_C_reac	29.6097	0.0	14.80485	0.0
load	N_1800007885	constant_power_A	10.0693	6.24041	5.03465	3.120205
load	N_1800007885	constant_power_B	10.0693	6.24041	5.03465	3.120205
load	N_1800007885	constant_power_C	10.0693	6.24041	5.03465	3.120205
load	N_1800007885	constant_power_A_real	10.0693	0.0	5.03465	0.0
load	N_1800007885	constant_power_B_real	10.0693	0.0	5.03465	0.0
load	N_1800007885	constant_power_C_real	10.0693	0.0	5.03465	0.0
load	N_1800007885	constant_power_A_reac	6.24041	0.0	3.120205	0.0
load	N_1800007885	constant_power_B_reac	6.24041	0.0	3.120205	0.0
load	N_1800007885	constant_power_C_reac	6.24041	0.0	3.120205	0.0
load	N_1800053771	constant_power_A	453.865	159.439	226.9325	79.7195
load	N_1800053771	constant_power_B	453.865	159.439	226.9325	79.7195
load	N_1800053771	constant_power_C	453.865	159.439	226.9325	79.7195
load	N_1800053771	constant_power_A_real	453.865	0.0	226.9325	0.0
load	N_1800053771	constant_power_B_real	453.865	0.0	226.9325	0.0
load	N_1800053771	constant_power_C_real	453.865	0.0	226.9325	0.0
load	N_1800053771	constant_power_A_reac	159.439	0.0	79.7195	0.0
load	N_1800053771	constant_power_B_reac	159.439	0.0	79.7195	0.0
load	N_1800053771	constant_power_C_reac	159.439	0.0	79.7195	0.0
load	N_1800007301	constant_power_A	859.249	287.008	429.6245	143.504
load	N_1800007301	constant_power_B	859.249	287.008	429.6245	143.504
load	N_1800007301	constant_power_A_real	859.249	0.0	429.6245	0.0
load	N_1800007301	constant_power_B_real	859.249	0.0	429.6245	0.0
load	N_1800007301	constant_power_A_reac	287.008	0.0	143.504	0.0
load	N_1800007301	constant_power_B_reac	287.008	0.0	143.504	0.0
load	N_1800003992	constant_power_A	21333.3	13221.2	10666.65	6610.6
load	N_1800003992	constant_power_B	21333.3	13221.2	10666.65	6610.6
load	N_1800003992	constant_power_C	21333.3	13221.2	10666.65	6610.6
load	N_1800003992	constant_power_A_real	21333.3	0.0	10666.65	0.0
load	N_1800003992	constant_power_B_real	21333.3	0.0	10666.65	0.0
load	N_1800003992	constant_power_C_real	21333.3	0.0	10666.65	0.0
load	N_1800003992	constant_power_A_reac	13221.2	0.0	6610.6	0.0
load	N_1800003992	constant_power_B_reac	13221.2	0.0	6610.6	0.0
load	N_1800003992	constant_power_C_reac	13221.2	0.0	6610.6	0.0
load	N_1800034180	constant_power_A	69.18	22.7384	34.59	11.3692
load	N_1800034180	constant_power_B	69.18	22.7384	34.59	11.3692
load	N_1800034180	constant_power_C	69.18	22.7384	34.59	11.3692
load	N_1800034180	constant_power_A_real	69.18	0.0	34.59	0.0
load	N_1800034180	constant_power_B_real	69.18	0.0	34.59	0.0
load	N_1800034180	constant_power_C_real	69.18	0.0	34.59	0.0
load	N_1800034180	constant_power_A_reac	22.7384	0.0	11.3692	0.0
load	N_1800034180	constant_power_B_reac	22.7384	0.0	11.3692	0.0
load	N_1800034180	constant_power_C_reac	22.7384	0.0	11.3692	0.0
load	N_1800053620	constant_power_A	645.928	212.306	322.964	106.153
load	N_1800053620	constant_power_B	645.928	212.306	322.964	106.153
load	N_1800053620	constant_power_C	645.928	212.306	322.964	106.153
load	N_1800053620	constant_power_A_real	645.928	0.0	322.964	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053620	constant_power_B_real	645.928	0.0	322.964	0.0
load	N_1800053620	constant_power_C_real	645.928	0.0	322.964	0.0
load	N_1800053620	constant_power_A_reac	212.306	0.0	106.153	0.0
load	N_1800053620	constant_power_B_reac	212.306	0.0	106.153	0.0
load	N_1800053620	constant_power_C_reac	212.306	0.0	106.153	0.0
load	N_1800041637	constant_power_A	775.337	275.823	387.6685	137.9115
load	N_1800041637	constant_power_B	775.337	275.823	387.6685	137.9115
load	N_1800041637	constant_power_A_real	775.337	0.0	387.6685	0.0
load	N_1800041637	constant_power_B_real	775.337	0.0	387.6685	0.0
load	N_1800041637	constant_power_A_reac	275.823	0.0	137.9115	0.0
load	N_1800041637	constant_power_B_reac	275.823	0.0	137.9115	0.0
load	N_1800003156	constant_power_A	530.876	174.491	265.438	87.2455
load	N_1800003156	constant_power_B	530.876	174.491	265.438	87.2455
load	N_1800003156	constant_power_A_real	530.876	0.0	265.438	0.0
load	N_1800003156	constant_power_B_real	530.876	0.0	265.438	0.0
load	N_1800003156	constant_power_A_reac	174.491	0.0	87.2455	0.0
load	N_1800003156	constant_power_B_reac	174.491	0.0	87.2455	0.0
load	N_1800038448	constant_power_A	102.744	33.7704	51.372	16.8852
load	N_1800038448	constant_power_B	102.744	33.7704	51.372	16.8852
load	N_1800038448	constant_power_C	102.744	33.7704	51.372	16.8852
load	N_1800038448	constant_power_A_real	102.744	0.0	51.372	0.0
load	N_1800038448	constant_power_B_real	102.744	0.0	51.372	0.0
load	N_1800038448	constant_power_C_real	102.744	0.0	51.372	0.0
load	N_1800038448	constant_power_A_reac	33.7704	0.0	16.8852	0.0
load	N_1800038448	constant_power_B_reac	33.7704	0.0	16.8852	0.0
load	N_1800038448	constant_power_C_reac	33.7704	0.0	16.8852	0.0
load	N_1800038444	constant_power_A	179.196	92.236	89.598	46.118
load	N_1800038444	constant_power_B	179.196	92.236	89.598	46.118
load	N_1800038444	constant_power_C	179.196	92.236	89.598	46.118
load	N_1800038444	constant_power_A_real	179.196	0.0	89.598	0.0
load	N_1800038444	constant_power_B_real	179.196	0.0	89.598	0.0
load	N_1800038444	constant_power_C_real	179.196	0.0	89.598	0.0
load	N_1800038444	constant_power_A_reac	92.236	0.0	46.118	0.0
load	N_1800038444	constant_power_B_reac	92.236	0.0	46.118	0.0
load	N_1800038444	constant_power_C_reac	92.236	0.0	46.118	0.0
load	N_1800038447	constant_power_A	346.552	114.157	173.276	57.0785
load	N_1800038447	constant_power_B	346.552	114.157	173.276	57.0785
load	N_1800038447	constant_power_A_real	346.552	0.0	173.276	0.0
load	N_1800038447	constant_power_B_real	346.552	0.0	173.276	0.0
load	N_1800038447	constant_power_A_reac	114.157	0.0	57.0785	0.0
load	N_1800038447	constant_power_B_reac	114.157	0.0	57.0785	0.0
load	N_1800038446	constant_power_A	802.468	263.758	401.234	131.879
load	N_1800038446	constant_power_B	802.468	263.758	401.234	131.879
load	N_1800038446	constant_power_A_real	802.468	0.0	401.234	0.0
load	N_1800038446	constant_power_B_real	802.468	0.0	401.234	0.0
load	N_1800038446	constant_power_A_reac	263.758	0.0	131.879	0.0
load	N_1800038446	constant_power_B_reac	263.758	0.0	131.879	0.0
load	N_1800004613	constant_power_A	1027.44	337.704	513.72	168.852
load	N_1800004613	constant_power_B	1027.44	337.704	513.72	168.852
load	N_1800004613	constant_power_C	1027.44	337.704	513.72	168.852
load	N_1800004613	constant_power_A_real	1027.44	0.0	513.72	0.0
load	N_1800004613	constant_power_B_real	1027.44	0.0	513.72	0.0
load	N_1800004613	constant_power_C_real	1027.44	0.0	513.72	0.0
load	N_1800004613	constant_power_A_reac	337.704	0.0	168.852	0.0
load	N_1800004613	constant_power_B_reac	337.704	0.0	168.852	0.0
load	N_1800004613	constant_power_C_reac	337.704	0.0	168.852	0.0
load	N_1800038440	constant_power_A	267.676	87.9808	133.838	43.9904
load	N_1800038440	constant_power_B	267.676	87.9808	133.838	43.9904
load	N_1800038440	constant_power_A_real	267.676	0.0	133.838	0.0
load	N_1800038440	constant_power_B_real	267.676	0.0	133.838	0.0
load	N_1800038440	constant_power_A_reac	87.9808	0.0	43.9904	0.0
load	N_1800038440	constant_power_B_reac	87.9808	0.0	43.9904	0.0
load	N_1800038443	constant_power_A	431.862	141.946	215.931	70.973

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800038443	constant_power_B	431.862	141.946	215.931	70.973
load	N_1800038443	constant_power_A_real	431.862	0.0	215.931	0.0
load	N_1800038443	constant_power_B_real	431.862	0.0	215.931	0.0
load	N_1800038443	constant_power_A_reac	141.946	0.0	70.973	0.0
load	N_1800038443	constant_power_B_reac	141.946	0.0	70.973	0.0
load	N_1800038442	constant_power_A	764.988	251.439	382.494	125.7195
load	N_1800038442	constant_power_B	764.988	251.439	382.494	125.7195
load	N_1800038442	constant_power_A_real	764.988	0.0	382.494	0.0
load	N_1800038442	constant_power_B_real	764.988	0.0	382.494	0.0
load	N_1800038442	constant_power_A_reac	251.439	0.0	125.7195	0.0
load	N_1800038442	constant_power_B_reac	251.439	0.0	125.7195	0.0
load	N_1800034122	constant_power_A	471.952	155.123	235.976	77.5615
load	N_1800034122	constant_power_B	471.952	155.123	235.976	77.5615
load	N_1800034122	constant_power_C	471.952	155.123	235.976	77.5615
load	N_1800034122	constant_power_A_real	471.952	0.0	235.976	0.0
load	N_1800034122	constant_power_B_real	471.952	0.0	235.976	0.0
load	N_1800034122	constant_power_C_real	471.952	0.0	235.976	0.0
load	N_1800034122	constant_power_A_reac	155.123	0.0	77.5615	0.0
load	N_1800034122	constant_power_B_reac	155.123	0.0	77.5615	0.0
load	N_1800034122	constant_power_C_reac	155.123	0.0	77.5615	0.0
load	N_1800034123	constant_power_A	82.2327	27.0286	41.11635	13.5143
load	N_1800034123	constant_power_B	82.2327	27.0286	41.11635	13.5143
load	N_1800034123	constant_power_C	82.2327	27.0286	41.11635	13.5143
load	N_1800034123	constant_power_A_real	82.2327	0.0	41.11635	0.0
load	N_1800034123	constant_power_B_real	82.2327	0.0	41.11635	0.0
load	N_1800034123	constant_power_C_real	82.2327	0.0	41.11635	0.0
load	N_1800034123	constant_power_A_reac	27.0286	0.0	13.5143	0.0
load	N_1800034123	constant_power_B_reac	27.0286	0.0	13.5143	0.0
load	N_1800034123	constant_power_C_reac	27.0286	0.0	13.5143	0.0
load	N_1800053682	constant_power_A	6.89933	4.27582	3.449665	2.13791
load	N_1800053682	constant_power_B	6.89933	4.27582	3.449665	2.13791
load	N_1800053682	constant_power_C	6.89933	4.27582	3.449665	2.13791
load	N_1800053682	constant_power_A_real	6.89933	0.0	3.449665	0.0
load	N_1800053682	constant_power_B_real	6.89933	0.0	3.449665	0.0
load	N_1800053682	constant_power_C_real	6.89933	0.0	3.449665	0.0
load	N_1800053682	constant_power_A_reac	4.27582	0.0	2.13791	0.0
load	N_1800053682	constant_power_B_reac	4.27582	0.0	2.13791	0.0
load	N_1800053682	constant_power_C_reac	4.27582	0.0	2.13791	0.0
load	N_1800053683	constant_power_A	320.726	181.998	160.363	90.999
load	N_1800053683	constant_power_B	320.726	181.998	160.363	90.999
load	N_1800053683	constant_power_C	320.726	181.998	160.363	90.999
load	N_1800053683	constant_power_A_real	320.726	0.0	160.363	0.0
load	N_1800053683	constant_power_B_real	320.726	0.0	160.363	0.0
load	N_1800053683	constant_power_C_real	320.726	0.0	160.363	0.0
load	N_1800053683	constant_power_A_reac	181.998	0.0	90.999	0.0
load	N_1800053683	constant_power_B_reac	181.998	0.0	90.999	0.0
load	N_1800053683	constant_power_C_reac	181.998	0.0	90.999	0.0
load	N_1800053684	constant_power_A	6.34	2.08386	3.17	1.04193
load	N_1800053684	constant_power_B	6.34	2.08386	3.17	1.04193
load	N_1800053684	constant_power_C	6.34	2.08386	3.17	1.04193
load	N_1800053684	constant_power_A_real	6.34	0.0	3.17	0.0
load	N_1800053684	constant_power_B_real	6.34	0.0	3.17	0.0
load	N_1800053684	constant_power_C_real	6.34	0.0	3.17	0.0
load	N_1800053684	constant_power_A_reac	2.08386	0.0	1.04193	0.0
load	N_1800053684	constant_power_B_reac	2.08386	0.0	1.04193	0.0
load	N_1800053684	constant_power_C_reac	2.08386	0.0	1.04193	0.0
load	N_1800053685	constant_power_A	177.891	110.247	88.9455	55.1235
load	N_1800053685	constant_power_B	177.891	110.247	88.9455	55.1235
load	N_1800053685	constant_power_C	177.891	110.247	88.9455	55.1235
load	N_1800053685	constant_power_A_real	177.891	0.0	88.9455	0.0
load	N_1800053685	constant_power_B_real	177.891	0.0	88.9455	0.0
load	N_1800053685	constant_power_C_real	177.891	0.0	88.9455	0.0
load	N_1800053685	constant_power_A_reac	110.247	0.0	55.1235	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053685	constant_power_B_reac	110.247	0.0	55.1235	0.0
load	N_1800053685	constant_power_C_reac	110.247	0.0	55.1235	0.0
load	N_1800053686	constant_power_A	7.08567	4.3913	3.542835	2.19565
load	N_1800053686	constant_power_B	7.08567	4.3913	3.542835	2.19565
load	N_1800053686	constant_power_C	7.08567	4.3913	3.542835	2.19565
load	N_1800053686	constant_power_A_real	7.08567	0.0	3.542835	0.0
load	N_1800053686	constant_power_B_real	7.08567	0.0	3.542835	0.0
load	N_1800053686	constant_power_C_real	7.08567	0.0	3.542835	0.0
load	N_1800053686	constant_power_A_reac	4.3913	0.0	2.19565	0.0
load	N_1800053686	constant_power_B_reac	4.3913	0.0	2.19565	0.0
load	N_1800053686	constant_power_C_reac	4.3913	0.0	2.19565	0.0
load	N_1800053687	constant_power_A	99.2013	32.6059	49.60065	16.30295
load	N_1800053687	constant_power_B	99.2013	32.6059	49.60065	16.30295
load	N_1800053687	constant_power_C	99.2013	32.6059	49.60065	16.30295
load	N_1800053687	constant_power_A_real	99.2013	0.0	49.60065	0.0
load	N_1800053687	constant_power_B_real	99.2013	0.0	49.60065	0.0
load	N_1800053687	constant_power_C_real	99.2013	0.0	49.60065	0.0
load	N_1800053687	constant_power_A_reac	32.6059	0.0	16.30295	0.0
load	N_1800053687	constant_power_B_reac	32.6059	0.0	16.30295	0.0
load	N_1800053687	constant_power_C_reac	32.6059	0.0	16.30295	0.0
load	N_1800053689	constant_power_A	441.185	273.422	220.5925	136.711
load	N_1800053689	constant_power_B	441.185	273.422	220.5925	136.711
load	N_1800053689	constant_power_C	441.185	273.422	220.5925	136.711
load	N_1800053689	constant_power_A_real	441.185	0.0	220.5925	0.0
load	N_1800053689	constant_power_B_real	441.185	0.0	220.5925	0.0
load	N_1800053689	constant_power_C_real	441.185	0.0	220.5925	0.0
load	N_1800053689	constant_power_A_reac	273.422	0.0	136.711	0.0
load	N_1800053689	constant_power_B_reac	273.422	0.0	136.711	0.0
load	N_1800053689	constant_power_C_reac	273.422	0.0	136.711	0.0
load	N_1800053629	constant_power_A	606.956	199.497	303.478	99.7485
load	N_1800053629	constant_power_B	606.956	199.497	303.478	99.7485
load	N_1800053629	constant_power_A_real	606.956	0.0	303.478	0.0
load	N_1800053629	constant_power_B_real	606.956	0.0	303.478	0.0
load	N_1800053629	constant_power_A_reac	199.497	0.0	99.7485	0.0
load	N_1800053629	constant_power_B_reac	199.497	0.0	99.7485	0.0
load	N_1800053646	constant_power_A	33.005	18.2611	16.5025	9.13055
load	N_1800053646	constant_power_B	33.005	18.2611	16.5025	9.13055
load	N_1800053646	constant_power_C	33.005	18.2611	16.5025	9.13055
load	N_1800053646	constant_power_A_real	33.005	0.0	16.5025	0.0
load	N_1800053646	constant_power_B_real	33.005	0.0	16.5025	0.0
load	N_1800053646	constant_power_C_real	33.005	0.0	16.5025	0.0
load	N_1800053646	constant_power_A_reac	18.2611	0.0	9.13055	0.0
load	N_1800053646	constant_power_B_reac	18.2611	0.0	9.13055	0.0
load	N_1800053646	constant_power_C_reac	18.2611	0.0	9.13055	0.0
load	N_1800054133	constant_power_A	401.654	132.017	200.827	66.0085
load	N_1800054133	constant_power_B	401.654	132.017	200.827	66.0085
load	N_1800054133	constant_power_A_real	401.654	0.0	200.827	0.0
load	N_1800054133	constant_power_B_real	401.654	0.0	200.827	0.0
load	N_1800054133	constant_power_A_reac	132.017	0.0	66.0085	0.0
load	N_1800054133	constant_power_B_reac	132.017	0.0	66.0085	0.0
load	N_1800054132	constant_power_A	211.735	69.5939	105.8675	34.79695
load	N_1800054132	constant_power_B	211.735	69.5939	105.8675	34.79695
load	N_1800054132	constant_power_A_real	211.735	0.0	105.8675	0.0
load	N_1800054132	constant_power_B_real	211.735	0.0	105.8675	0.0
load	N_1800054132	constant_power_A_reac	69.5939	0.0	34.79695	0.0
load	N_1800054132	constant_power_B_reac	69.5939	0.0	34.79695	0.0
load	N_1800016705	constant_power_A	794.17	439.574	397.085	219.787
load	N_1800016705	constant_power_B	794.17	439.574	397.085	219.787
load	N_1800016705	constant_power_C	794.17	439.574	397.085	219.787
load	N_1800016705	constant_power_A_real	794.17	0.0	397.085	0.0
load	N_1800016705	constant_power_B_real	794.17	0.0	397.085	0.0
load	N_1800016705	constant_power_C_real	794.17	0.0	397.085	0.0
load	N_1800016705	constant_power_A_reac	439.574	0.0	219.787	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800016705	constant_power_B_reac	439.574	0.0	219.787	0.0
load	N_1800016705	constant_power_C_reac	439.574	0.0	219.787	0.0
load	N_1800054137	constant_power_A	549.617	180.65	274.8085	90.325
load	N_1800054137	constant_power_B	549.617	180.65	274.8085	90.325
load	N_1800054137	constant_power_A_real	549.617	0.0	274.8085	0.0
load	N_1800054137	constant_power_B_real	549.617	0.0	274.8085	0.0
load	N_1800054137	constant_power_A_reac	180.65	0.0	90.325	0.0
load	N_1800054137	constant_power_B_reac	180.65	0.0	90.325	0.0
load	N_1800054136	constant_power_A	753.334	247.609	376.667	123.8045
load	N_1800054136	constant_power_B	753.334	247.609	376.667	123.8045
load	N_1800054136	constant_power_C	753.334	247.609	376.667	123.8045
load	N_1800054136	constant_power_A_real	753.334	0.0	376.667	0.0
load	N_1800054136	constant_power_B_real	753.334	0.0	376.667	0.0
load	N_1800054136	constant_power_C_real	753.334	0.0	376.667	0.0
load	N_1800054136	constant_power_A_reac	247.609	0.0	123.8045	0.0
load	N_1800054136	constant_power_B_reac	247.609	0.0	123.8045	0.0
load	N_1800054136	constant_power_C_reac	247.609	0.0	123.8045	0.0
load	N_1800054135	constant_power_A	44.0067	14.4643	22.00335	7.23215
load	N_1800054135	constant_power_B	44.0067	14.4643	22.00335	7.23215
load	N_1800054135	constant_power_C	44.0067	14.4643	22.00335	7.23215
load	N_1800054135	constant_power_A_real	44.0067	0.0	22.00335	0.0
load	N_1800054135	constant_power_B_real	44.0067	0.0	22.00335	0.0
load	N_1800054135	constant_power_C_real	44.0067	0.0	22.00335	0.0
load	N_1800054135	constant_power_A_reac	14.4643	0.0	7.23215	0.0
load	N_1800054135	constant_power_B_reac	14.4643	0.0	7.23215	0.0
load	N_1800054135	constant_power_C_reac	14.4643	0.0	7.23215	0.0
load	N_1800022118	constant_power_A	8034.38	4979.26	4017.19	2489.63
load	N_1800022118	constant_power_B	8034.38	4979.26	4017.19	2489.63
load	N_1800022118	constant_power_C	8034.38	4979.26	4017.19	2489.63
load	N_1800022118	constant_power_A_real	8034.38	0.0	4017.19	0.0
load	N_1800022118	constant_power_B_real	8034.38	0.0	4017.19	0.0
load	N_1800022118	constant_power_C_real	8034.38	0.0	4017.19	0.0
load	N_1800022118	constant_power_A_reac	4979.26	0.0	2489.63	0.0
load	N_1800022118	constant_power_B_reac	4979.26	0.0	2489.63	0.0
load	N_1800022118	constant_power_C_reac	4979.26	0.0	2489.63	0.0
load	N_1800054139	constant_power_A	41.9553	13.7901	20.97765	6.89505
load	N_1800054139	constant_power_B	41.9553	13.7901	20.97765	6.89505
load	N_1800054139	constant_power_C	41.9553	13.7901	20.97765	6.89505
load	N_1800054139	constant_power_A_real	41.9553	0.0	20.97765	0.0
load	N_1800054139	constant_power_B_real	41.9553	0.0	20.97765	0.0
load	N_1800054139	constant_power_C_real	41.9553	0.0	20.97765	0.0
load	N_1800054139	constant_power_A_reac	13.7901	0.0	6.89505	0.0
load	N_1800054139	constant_power_B_reac	13.7901	0.0	6.89505	0.0
load	N_1800054139	constant_power_C_reac	13.7901	0.0	6.89505	0.0
load	N_1800054138	constant_power_A	860.646	282.881	430.323	141.4405
load	N_1800054138	constant_power_B	860.646	282.881	430.323	141.4405
load	N_1800054138	constant_power_A_real	860.646	0.0	430.323	0.0
load	N_1800054138	constant_power_B_real	860.646	0.0	430.323	0.0
load	N_1800054138	constant_power_A_reac	282.881	0.0	141.4405	0.0
load	N_1800054138	constant_power_B_reac	282.881	0.0	141.4405	0.0
load	N_1800053529	constant_power_A	650.31	213.747	325.155	106.8735
load	N_1800053529	constant_power_B	650.31	213.747	325.155	106.8735
load	N_1800053529	constant_power_A_real	650.31	0.0	325.155	0.0
load	N_1800053529	constant_power_B_real	650.31	0.0	325.155	0.0
load	N_1800053529	constant_power_A_reac	213.747	0.0	106.8735	0.0
load	N_1800053529	constant_power_B_reac	213.747	0.0	106.8735	0.0
load	N_1800053483	constant_power_A	193.182	63.4957	96.591	31.74785
load	N_1800053483	constant_power_B	193.182	63.4957	96.591	31.74785
load	N_1800053483	constant_power_C	193.182	63.4957	96.591	31.74785
load	N_1800053483	constant_power_A_real	193.182	0.0	96.591	0.0
load	N_1800053483	constant_power_B_real	193.182	0.0	96.591	0.0
load	N_1800053483	constant_power_C_real	193.182	0.0	96.591	0.0
load	N_1800053483	constant_power_A_reac	63.4957	0.0	31.74785	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053483	constant_power_B_reac	63.4957	0.0	31.74785	0.0
load	N_1800053483	constant_power_C_reac	63.4957	0.0	31.74785	0.0
load	N_1800053480	constant_power_A	172.111	56.57	86.0555	28.285
load	N_1800053480	constant_power_B	172.111	56.57	86.0555	28.285
load	N_1800053480	constant_power_C	172.111	56.57	86.0555	28.285
load	N_1800053480	constant_power_A_real	172.111	0.0	86.0555	0.0
load	N_1800053480	constant_power_B_real	172.111	0.0	86.0555	0.0
load	N_1800053480	constant_power_C_real	172.111	0.0	86.0555	0.0
load	N_1800053480	constant_power_A_reac	56.57	0.0	28.285	0.0
load	N_1800053480	constant_power_B_reac	56.57	0.0	28.285	0.0
load	N_1800053480	constant_power_C_reac	56.57	0.0	28.285	0.0
load	N_1800053481	constant_power_A	52.3977	28.9908	26.19885	14.4954
load	N_1800053481	constant_power_B	52.3977	28.9908	26.19885	14.4954
load	N_1800053481	constant_power_C	52.3977	28.9908	26.19885	14.4954
load	N_1800053481	constant_power_A_real	52.3977	0.0	26.19885	0.0
load	N_1800053481	constant_power_B_real	52.3977	0.0	26.19885	0.0
load	N_1800053481	constant_power_C_real	52.3977	0.0	26.19885	0.0
load	N_1800053481	constant_power_A_reac	28.9908	0.0	14.4954	0.0
load	N_1800053481	constant_power_B_reac	28.9908	0.0	14.4954	0.0
load	N_1800053481	constant_power_C_reac	28.9908	0.0	14.4954	0.0
load	N_1800053486	constant_power_A	264.785	139.047	132.3925	69.5235
load	N_1800053486	constant_power_B	264.785	139.047	132.3925	69.5235
load	N_1800053486	constant_power_C	264.785	139.047	132.3925	69.5235
load	N_1800053486	constant_power_A_real	264.785	0.0	132.3925	0.0
load	N_1800053486	constant_power_B_real	264.785	0.0	132.3925	0.0
load	N_1800053486	constant_power_C_real	264.785	0.0	132.3925	0.0
load	N_1800053486	constant_power_A_reac	139.047	0.0	69.5235	0.0
load	N_1800053486	constant_power_B_reac	139.047	0.0	69.5235	0.0
load	N_1800053486	constant_power_C_reac	139.047	0.0	69.5235	0.0
load	N_1800003140	constant_power_A	686.951	225.79	343.4755	112.895
load	N_1800003140	constant_power_B	686.951	225.79	343.4755	112.895
load	N_1800003140	constant_power_A_real	686.951	0.0	343.4755	0.0
load	N_1800003140	constant_power_B_real	686.951	0.0	343.4755	0.0
load	N_1800003140	constant_power_A_reac	225.79	0.0	112.895	0.0
load	N_1800003140	constant_power_B_reac	225.79	0.0	112.895	0.0
load	N_1800003141	constant_power_A	427.107	140.383	213.5535	70.1915
load	N_1800003141	constant_power_B	427.107	140.383	213.5535	70.1915
load	N_1800003141	constant_power_A_real	427.107	0.0	213.5535	0.0
load	N_1800003141	constant_power_B_real	427.107	0.0	213.5535	0.0
load	N_1800003141	constant_power_A_reac	140.383	0.0	70.1915	0.0
load	N_1800003141	constant_power_B_reac	140.383	0.0	70.1915	0.0
load	N_1800053521	constant_power_A	13.4257	7.4282	6.71285	3.7141
load	N_1800053521	constant_power_B	13.4257	7.4282	6.71285	3.7141
load	N_1800053521	constant_power_C	13.4257	7.4282	6.71285	3.7141
load	N_1800053521	constant_power_A_real	13.4257	0.0	6.71285	0.0
load	N_1800053521	constant_power_B_real	13.4257	0.0	6.71285	0.0
load	N_1800053521	constant_power_C_real	13.4257	0.0	6.71285	0.0
load	N_1800053521	constant_power_A_reac	7.4282	0.0	3.7141	0.0
load	N_1800053521	constant_power_B_reac	7.4282	0.0	3.7141	0.0
load	N_1800053521	constant_power_C_reac	7.4282	0.0	3.7141	0.0
load	N_1800029352	constant_power_A	206.234	77.0835	103.117	38.54175
load	N_1800029352	constant_power_B	206.234	77.0835	103.117	38.54175
load	N_1800029352	constant_power_C	206.234	77.0835	103.117	38.54175
load	N_1800029352	constant_power_A_real	206.234	0.0	103.117	0.0
load	N_1800029352	constant_power_B_real	206.234	0.0	103.117	0.0
load	N_1800029352	constant_power_C_real	206.234	0.0	103.117	0.0
load	N_1800029352	constant_power_A_reac	77.0835	0.0	38.54175	0.0
load	N_1800029352	constant_power_B_reac	77.0835	0.0	38.54175	0.0
load	N_1800029352	constant_power_C_reac	77.0835	0.0	38.54175	0.0
load	N_1800053489	constant_power_A	213.32	118.027	106.66	59.0135
load	N_1800053489	constant_power_B	213.32	118.027	106.66	59.0135
load	N_1800053489	constant_power_C	213.32	118.027	106.66	59.0135
load	N_1800053489	constant_power_A_real	213.32	0.0	106.66	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053489	constant_power_B_real	213.32	0.0	106.66	0.0
load	N_1800053489	constant_power_C_real	213.32	0.0	106.66	0.0
load	N_1800053489	constant_power_A_reac	118.027	0.0	59.0135	0.0
load	N_1800053489	constant_power_B_reac	118.027	0.0	59.0135	0.0
load	N_1800053489	constant_power_C_reac	118.027	0.0	59.0135	0.0
load	N_1800029357	constant_power_A	215.744	119.368	107.872	59.684
load	N_1800029357	constant_power_B	215.744	119.368	107.872	59.684
load	N_1800029357	constant_power_C	215.744	119.368	107.872	59.684
load	N_1800029357	constant_power_A_real	215.744	0.0	107.872	0.0
load	N_1800029357	constant_power_B_real	215.744	0.0	107.872	0.0
load	N_1800029357	constant_power_C_real	215.744	0.0	107.872	0.0
load	N_1800029357	constant_power_A_reac	119.368	0.0	59.684	0.0
load	N_1800029357	constant_power_B_reac	119.368	0.0	59.684	0.0
load	N_1800029357	constant_power_C_reac	119.368	0.0	59.684	0.0
load	N_1800035898	constant_power_A	507.102	166.865	253.551	83.4325
load	N_1800035898	constant_power_B	507.102	166.865	253.551	83.4325
load	N_1800035898	constant_power_A_real	507.102	0.0	253.551	0.0
load	N_1800035898	constant_power_B_real	507.102	0.0	253.551	0.0
load	N_1800035898	constant_power_A_reac	166.865	0.0	83.4325	0.0
load	N_1800035898	constant_power_B_reac	166.865	0.0	83.4325	0.0
load	N_1800192689	constant_power_A	352.799	218.645	176.3995	109.3225
load	N_1800192689	constant_power_B	352.799	218.645	176.3995	109.3225
load	N_1800192689	constant_power_C	352.799	218.645	176.3995	109.3225
load	N_1800192689	constant_power_A_real	352.799	0.0	176.3995	0.0
load	N_1800192689	constant_power_B_real	352.799	0.0	176.3995	0.0
load	N_1800192689	constant_power_C_real	352.799	0.0	176.3995	0.0
load	N_1800192689	constant_power_A_reac	218.645	0.0	109.3225	0.0
load	N_1800192689	constant_power_B_reac	218.645	0.0	109.3225	0.0
load	N_1800192689	constant_power_C_reac	218.645	0.0	109.3225	0.0
load	N_1800035893	constant_power_A	716.04	235.351	358.02	117.6755
load	N_1800035893	constant_power_B	716.04	235.351	358.02	117.6755
load	N_1800035893	constant_power_A_real	716.04	0.0	358.02	0.0
load	N_1800035893	constant_power_B_real	716.04	0.0	358.02	0.0
load	N_1800035893	constant_power_A_reac	235.351	0.0	117.6755	0.0
load	N_1800035893	constant_power_B_reac	235.351	0.0	117.6755	0.0
load	N_1800035895	constant_power_A	1323.84	435.124	661.92	217.562
load	N_1800035895	constant_power_B	1323.84	435.124	661.92	217.562
load	N_1800035895	constant_power_A_real	1323.84	0.0	661.92	0.0
load	N_1800035895	constant_power_B_real	1323.84	0.0	661.92	0.0
load	N_1800035895	constant_power_A_reac	435.124	0.0	217.562	0.0
load	N_1800035894	constant_power_A	333.406	122.778	166.703	61.389
load	N_1800035894	constant_power_B	333.406	122.778	166.703	61.389
load	N_1800035894	constant_power_A_real	333.406	0.0	166.703	0.0
load	N_1800035894	constant_power_B_real	333.406	0.0	166.703	0.0
load	N_1800035894	constant_power_A_reac	122.778	0.0	61.389	0.0
load	N_1800035894	constant_power_B_reac	122.778	0.0	61.389	0.0
load	N_1800035897	constant_power_A	826.243	271.573	413.1215	135.7865
load	N_1800035897	constant_power_B	826.243	271.573	413.1215	135.7865
load	N_1800035897	constant_power_A_real	826.243	0.0	413.1215	0.0
load	N_1800035897	constant_power_B_real	826.243	0.0	413.1215	0.0
load	N_1800035897	constant_power_A_reac	271.573	0.0	135.7865	0.0
load	N_1800035897	constant_power_B_reac	271.573	0.0	135.7865	0.0
load	N_1800016220	constant_power_A	3709.24	2298.78	1854.62	1149.39
load	N_1800016220	constant_power_B	3709.24	2298.78	1854.62	1149.39
load	N_1800016220	constant_power_C	3709.24	2298.78	1854.62	1149.39
load	N_1800016220	constant_power_A_real	3709.24	0.0	1854.62	0.0
load	N_1800016220	constant_power_B_real	3709.24	0.0	1854.62	0.0
load	N_1800016220	constant_power_C_real	3709.24	0.0	1854.62	0.0
load	N_1800016220	constant_power_A_reac	2298.78	0.0	1149.39	0.0
load	N_1800016220	constant_power_B_reac	2298.78	0.0	1149.39	0.0
load	N_1800016220	constant_power_C_reac	2298.78	0.0	1149.39	0.0
load	N_1800006685	constant_power_A	97.057	31.9011	48.5285	15.95055

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800006685	constant_power_B	97.057	31.9011	48.5285	15.95055
load	N_1800006685	constant_power_A_real	97.057	0.0	48.5285	0.0
load	N_1800006685	constant_power_B_real	97.057	0.0	48.5285	0.0
load	N_1800006685	constant_power_A_reac	31.9011	0.0	15.95055	0.0
load	N_1800006685	constant_power_B_reac	31.9011	0.0	15.95055	0.0
load	N_1800006688	constant_power_A	94.9123	43.9504	47.45615	21.9752
load	N_1800006688	constant_power_B	94.9123	43.9504	47.45615	21.9752
load	N_1800006688	constant_power_C	94.9123	43.9504	47.45615	21.9752
load	N_1800006688	constant_power_A_real	94.9123	0.0	47.45615	0.0
load	N_1800006688	constant_power_B_real	94.9123	0.0	47.45615	0.0
load	N_1800006688	constant_power_C_real	94.9123	0.0	47.45615	0.0
load	N_1800006688	constant_power_A_reac	43.9504	0.0	21.9752	0.0
load	N_1800006688	constant_power_B_reac	43.9504	0.0	21.9752	0.0
load	N_1800006688	constant_power_C_reac	43.9504	0.0	21.9752	0.0
load	N_1800018540	constant_power_A	22490.4	13822.0	11245.2	6911.0
load	N_1800018540	constant_power_B	22490.4	13822.0	11245.2	6911.0
load	N_1800018540	constant_power_C	22490.4	13822.0	11245.2	6911.0
load	N_1800018540	constant_power_A_real	22490.4	0.0	11245.2	0.0
load	N_1800018540	constant_power_B_real	22490.4	0.0	11245.2	0.0
load	N_1800018540	constant_power_C_real	22490.4	0.0	11245.2	0.0
load	N_1800018540	constant_power_A_reac	13822.0	0.0	6911.0	0.0
load	N_1800018540	constant_power_B_reac	13822.0	0.0	6911.0	0.0
load	N_1800018540	constant_power_C_reac	13822.0	0.0	6911.0	0.0
load	N_1800054229	constant_power_A	15139.0	9373.08	7569.5	4686.54
load	N_1800054229	constant_power_B	15139.0	9373.08	7569.5	4686.54
load	N_1800054229	constant_power_A_real	15139.0	0.0	7569.5	0.0
load	N_1800054229	constant_power_B_real	15139.0	0.0	7569.5	0.0
load	N_1800054229	constant_power_A_reac	9373.08	0.0	4686.54	0.0
load	N_1800054229	constant_power_B_reac	9373.08	0.0	4686.54	0.0
load	N_1800054228	constant_power_A	57.4323	18.8771	28.71615	9.43855
load	N_1800054228	constant_power_B	57.4323	18.8771	28.71615	9.43855
load	N_1800054228	constant_power_C	57.4323	18.8771	28.71615	9.43855
load	N_1800054228	constant_power_A_real	57.4323	0.0	28.71615	0.0
load	N_1800054228	constant_power_B_real	57.4323	0.0	28.71615	0.0
load	N_1800054228	constant_power_C_real	57.4323	0.0	28.71615	0.0
load	N_1800054228	constant_power_A_reac	18.8771	0.0	9.43855	0.0
load	N_1800054228	constant_power_B_reac	18.8771	0.0	9.43855	0.0
load	N_1800054228	constant_power_C_reac	18.8771	0.0	9.43855	0.0
load	N_1800054227	constant_power_A	325.015	106.827	162.5075	53.4135
load	N_1800054227	constant_power_B	325.015	106.827	162.5075	53.4135
load	N_1800054227	constant_power_C	325.015	106.827	162.5075	53.4135
load	N_1800054227	constant_power_A_real	325.015	0.0	162.5075	0.0
load	N_1800054227	constant_power_B_real	325.015	0.0	162.5075	0.0
load	N_1800054227	constant_power_C_real	325.015	0.0	162.5075	0.0
load	N_1800054227	constant_power_A_reac	106.827	0.0	53.4135	0.0
load	N_1800054227	constant_power_B_reac	106.827	0.0	53.4135	0.0
load	N_1800054227	constant_power_C_reac	106.827	0.0	53.4135	0.0
load	N_1800054226	constant_power_A	494.795	162.631	247.3975	81.3155
load	N_1800054226	constant_power_B	494.795	162.631	247.3975	81.3155
load	N_1800054226	constant_power_A_real	494.795	0.0	247.3975	0.0
load	N_1800054226	constant_power_B_real	494.795	0.0	247.3975	0.0
load	N_1800054226	constant_power_A_reac	162.631	0.0	81.3155	0.0
load	N_1800054226	constant_power_B_reac	162.631	0.0	81.3155	0.0
load	N_1800054225	constant_power_A	439.134	145.97	219.567	72.985
load	N_1800054225	constant_power_B	439.134	145.97	219.567	72.985
load	N_1800054225	constant_power_C	439.134	145.97	219.567	72.985
load	N_1800054225	constant_power_A_real	439.134	0.0	219.567	0.0
load	N_1800054225	constant_power_B_real	439.134	0.0	219.567	0.0
load	N_1800054225	constant_power_C_real	439.134	0.0	219.567	0.0
load	N_1800054225	constant_power_A_reac	145.97	0.0	72.985	0.0
load	N_1800054225	constant_power_B_reac	145.97	0.0	72.985	0.0
load	N_1800054225	constant_power_C_reac	145.97	0.0	72.985	0.0
load	N_1800054224	constant_power_A	158.685	52.1572	79.3425	26.0786

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054224	constant_power_B	158.685	52.1572	79.3425	26.0786
load	N_1800054224	constant_power_C	158.685	52.1572	79.3425	26.0786
load	N_1800054224	constant_power_A_real	158.685	0.0	79.3425	0.0
load	N_1800054224	constant_power_B_real	158.685	0.0	79.3425	0.0
load	N_1800054224	constant_power_C_real	158.685	0.0	79.3425	0.0
load	N_1800054224	constant_power_A_reac	52.1572	0.0	26.0786	0.0
load	N_1800054224	constant_power_B_reac	52.1572	0.0	26.0786	0.0
load	N_1800054224	constant_power_C_reac	52.1572	0.0	26.0786	0.0
load	N_1800054223	constant_power_A	494.515	249.861	247.2575	124.9305
load	N_1800054223	constant_power_B	494.515	249.861	247.2575	124.9305
load	N_1800054223	constant_power_C	494.515	249.861	247.2575	124.9305
load	N_1800054223	constant_power_A_real	494.515	0.0	247.2575	0.0
load	N_1800054223	constant_power_B_real	494.515	0.0	247.2575	0.0
load	N_1800054223	constant_power_C_real	494.515	0.0	247.2575	0.0
load	N_1800054223	constant_power_A_reac	249.861	0.0	124.9305	0.0
load	N_1800054223	constant_power_B_reac	249.861	0.0	124.9305	0.0
load	N_1800054223	constant_power_C_reac	249.861	0.0	124.9305	0.0
load	N_1800054222	constant_power_A	256.208	115.161	128.104	57.5805
load	N_1800054222	constant_power_B	256.208	115.161	128.104	57.5805
load	N_1800054222	constant_power_C	256.208	115.161	128.104	57.5805
load	N_1800054222	constant_power_A_real	256.208	0.0	128.104	0.0
load	N_1800054222	constant_power_B_real	256.208	0.0	128.104	0.0
load	N_1800054222	constant_power_C_real	256.208	0.0	128.104	0.0
load	N_1800054222	constant_power_A_reac	115.161	0.0	57.5805	0.0
load	N_1800054222	constant_power_B_reac	115.161	0.0	57.5805	0.0
load	N_1800054222	constant_power_C_reac	115.161	0.0	57.5805	0.0
load	N_1800006690	constant_power_A	67.1287	41.6026	33.56435	20.8013
load	N_1800006690	constant_power_B	67.1287	41.6026	33.56435	20.8013
load	N_1800006690	constant_power_C	67.1287	41.6026	33.56435	20.8013
load	N_1800006690	constant_power_A_real	67.1287	0.0	33.56435	0.0
load	N_1800006690	constant_power_B_real	67.1287	0.0	33.56435	0.0
load	N_1800006690	constant_power_C_real	67.1287	0.0	33.56435	0.0
load	N_1800006690	constant_power_A_reac	41.6026	0.0	20.8013	0.0
load	N_1800006690	constant_power_B_reac	41.6026	0.0	20.8013	0.0
load	N_1800006690	constant_power_C_reac	41.6026	0.0	20.8013	0.0
load	N_1800040315	constant_power_A	62.2807	34.4589	31.14035	17.22945
load	N_1800040315	constant_power_B	62.2807	34.4589	31.14035	17.22945
load	N_1800040315	constant_power_C	62.2807	34.4589	31.14035	17.22945
load	N_1800040315	constant_power_A_real	62.2807	0.0	31.14035	0.0
load	N_1800040315	constant_power_B_real	62.2807	0.0	31.14035	0.0
load	N_1800040315	constant_power_C_real	62.2807	0.0	31.14035	0.0
load	N_1800040315	constant_power_A_reac	34.4589	0.0	17.22945	0.0
load	N_1800040315	constant_power_B_reac	34.4589	0.0	17.22945	0.0
load	N_1800040315	constant_power_C_reac	34.4589	0.0	17.22945	0.0
load	N_1800053558	constant_power_A	51.4653	16.9158	25.73265	8.4579
load	N_1800053558	constant_power_B	51.4653	16.9158	25.73265	8.4579
load	N_1800053558	constant_power_C	51.4653	16.9158	25.73265	8.4579
load	N_1800053558	constant_power_A_real	51.4653	0.0	25.73265	0.0
load	N_1800053558	constant_power_B_real	51.4653	0.0	25.73265	0.0
load	N_1800053558	constant_power_C_real	51.4653	0.0	25.73265	0.0
load	N_1800053558	constant_power_A_reac	16.9158	0.0	8.4579	0.0
load	N_1800053558	constant_power_B_reac	16.9158	0.0	8.4579	0.0
load	N_1800053558	constant_power_C_reac	16.9158	0.0	8.4579	0.0
load	N_1800053559	constant_power_A	427.107	140.383	213.5535	70.1915
load	N_1800053559	constant_power_B	427.107	140.383	213.5535	70.1915
load	N_1800053559	constant_power_A_real	427.107	0.0	213.5535	0.0
load	N_1800053559	constant_power_B_real	427.107	0.0	213.5535	0.0
load	N_1800053559	constant_power_A_reac	140.383	0.0	70.1915	0.0
load	N_1800053559	constant_power_B_reac	140.383	0.0	70.1915	0.0
load	N_1800053551	constant_power_A	536.098	250.671	268.049	125.3355
load	N_1800053551	constant_power_B	536.098	250.671	268.049	125.3355
load	N_1800053551	constant_power_C	536.098	250.671	268.049	125.3355
load	N_1800053551	constant_power_A_real	536.098	0.0	268.049	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053551	constant_power_B_real	536.098	0.0	268.049	0.0
load	N_1800053551	constant_power_C_real	536.098	0.0	268.049	0.0
load	N_1800053551	constant_power_A_reac	250.671	0.0	125.3355	0.0
load	N_1800053551	constant_power_B_reac	250.671	0.0	125.3355	0.0
load	N_1800053551	constant_power_C_reac	250.671	0.0	125.3355	0.0
load	N_1800053552	constant_power_A	70.2987	23.1061	35.14935	11.55305
load	N_1800053552	constant_power_B	70.2987	23.1061	35.14935	11.55305
load	N_1800053552	constant_power_C	70.2987	23.1061	35.14935	11.55305
load	N_1800053552	constant_power_A_real	70.2987	0.0	35.14935	0.0
load	N_1800053552	constant_power_B_real	70.2987	0.0	35.14935	0.0
load	N_1800053552	constant_power_C_real	70.2987	0.0	35.14935	0.0
load	N_1800053552	constant_power_A_reac	23.1061	0.0	11.55305	0.0
load	N_1800053552	constant_power_B_reac	23.1061	0.0	11.55305	0.0
load	N_1800053552	constant_power_C_reac	23.1061	0.0	11.55305	0.0
load	N_1800015888	constant_power_A	11517.9	7136.96	5758.95	3568.48
load	N_1800015888	constant_power_B	11517.9	7136.96	5758.95	3568.48
load	N_1800015888	constant_power_A_real	11517.9	0.0	5758.95	0.0
load	N_1800015888	constant_power_B_real	11517.9	0.0	5758.95	0.0
load	N_1800015888	constant_power_A_reac	7136.96	0.0	3568.48	0.0
load	N_1800015888	constant_power_B_reac	7136.96	0.0	3568.48	0.0
load	N_1800036224	constant_power_A	1406.35	871.576	703.175	435.788
load	N_1800036224	constant_power_B	1406.35	871.576	703.175	435.788
load	N_1800036224	constant_power_C	1406.35	871.576	703.175	435.788
load	N_1800036224	constant_power_A_real	1406.35	0.0	703.175	0.0
load	N_1800036224	constant_power_B_real	1406.35	0.0	703.175	0.0
load	N_1800036224	constant_power_C_real	1406.35	0.0	703.175	0.0
load	N_1800036224	constant_power_A_reac	871.576	0.0	435.788	0.0
load	N_1800036224	constant_power_B_reac	871.576	0.0	435.788	0.0
load	N_1800036224	constant_power_C_reac	871.576	0.0	435.788	0.0
load	N_1800015881	constant_power_A	13000.0	8056.68	6500.0	4028.34
load	N_1800015881	constant_power_B	13000.0	8056.68	6500.0	4028.34
load	N_1800015881	constant_power_C	13000.0	8056.68	6500.0	4028.34
load	N_1800015881	constant_power_A_real	13000.0	0.0	6500.0	0.0
load	N_1800015881	constant_power_B_real	13000.0	0.0	6500.0	0.0
load	N_1800015881	constant_power_C_real	13000.0	0.0	6500.0	0.0
load	N_1800015881	constant_power_A_reac	8056.68	0.0	4028.34	0.0
load	N_1800015881	constant_power_B_reac	8056.68	0.0	4028.34	0.0
load	N_1800015881	constant_power_C_reac	8056.68	0.0	4028.34	0.0
load	N_1800042886	constant_power_A	638.562	230.616	319.281	115.308
load	N_1800042886	constant_power_B	638.562	230.616	319.281	115.308
load	N_1800042886	constant_power_A_real	638.562	0.0	319.281	0.0
load	N_1800042886	constant_power_B_real	638.562	0.0	319.281	0.0
load	N_1800042886	constant_power_A_reac	230.616	0.0	115.308	0.0
load	N_1800042886	constant_power_B_reac	230.616	0.0	115.308	0.0
load	N_1800015883	constant_power_A	88.5727	50.0468	44.28635	25.0234
load	N_1800015883	constant_power_B	88.5727	50.0468	44.28635	25.0234
load	N_1800015883	constant_power_C	88.5727	50.0468	44.28635	25.0234
load	N_1800015883	constant_power_A_real	88.5727	0.0	44.28635	0.0
load	N_1800015883	constant_power_B_real	88.5727	0.0	44.28635	0.0
load	N_1800015883	constant_power_C_real	88.5727	0.0	44.28635	0.0
load	N_1800015883	constant_power_A_reac	50.0468	0.0	25.0234	0.0
load	N_1800015883	constant_power_B_reac	50.0468	0.0	25.0234	0.0
load	N_1800015883	constant_power_C_reac	50.0468	0.0	25.0234	0.0
load	N_1800054037	constant_power_A	334.805	110.045	167.4025	55.0225
load	N_1800054037	constant_power_B	334.805	110.045	167.4025	55.0225
load	N_1800054037	constant_power_A_real	334.805	0.0	167.4025	0.0
load	N_1800054037	constant_power_B_real	334.805	0.0	167.4025	0.0
load	N_1800054037	constant_power_A_reac	110.045	0.0	55.0225	0.0
load	N_1800054037	constant_power_B_reac	110.045	0.0	55.0225	0.0
load	N_1800080108	constant_power_A	20.698	12.8275	10.349	6.41375
load	N_1800080108	constant_power_B	20.698	12.8275	10.349	6.41375
load	N_1800080108	constant_power_C	20.698	12.8275	10.349	6.41375
load	N_1800080108	constant_power_A_real	20.698	0.0	10.349	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800080108	constant_power_B_real	20.698	0.0	10.349	0.0
load	N_1800080108	constant_power_C_real	20.698	0.0	10.349	0.0
load	N_1800080108	constant_power_A_reac	12.8275	0.0	6.41375	0.0
load	N_1800080108	constant_power_B_reac	12.8275	0.0	6.41375	0.0
load	N_1800080108	constant_power_C_reac	12.8275	0.0	6.41375	0.0
load	N_1800021503	constant_power_A	63.0263	39.0602	31.51315	19.5301
load	N_1800021503	constant_power_B	63.0263	39.0602	31.51315	19.5301
load	N_1800021503	constant_power_C	63.0263	39.0602	31.51315	19.5301
load	N_1800021503	constant_power_A_real	63.0263	0.0	31.51315	0.0
load	N_1800021503	constant_power_B_real	63.0263	0.0	31.51315	0.0
load	N_1800021503	constant_power_C_real	63.0263	0.0	31.51315	0.0
load	N_1800021503	constant_power_A_reac	39.0602	0.0	19.5301	0.0
load	N_1800021503	constant_power_B_reac	39.0602	0.0	19.5301	0.0
load	N_1800021503	constant_power_C_reac	39.0602	0.0	19.5301	0.0
load	N_1800021506	constant_power_A	464.867	152.794	232.4335	76.397
load	N_1800021506	constant_power_B	464.867	152.794	232.4335	76.397
load	N_1800021506	constant_power_C	464.867	152.794	232.4335	76.397
load	N_1800021506	constant_power_A_real	464.867	0.0	232.4335	0.0
load	N_1800021506	constant_power_B_real	464.867	0.0	232.4335	0.0
load	N_1800021506	constant_power_C_real	464.867	0.0	232.4335	0.0
load	N_1800021506	constant_power_A_reac	152.794	0.0	76.397	0.0
load	N_1800021506	constant_power_B_reac	152.794	0.0	76.397	0.0
load	N_1800021506	constant_power_C_reac	152.794	0.0	76.397	0.0
load	N_1800053739	constant_power_A	959.382	324.254	479.691	162.127
load	N_1800053739	constant_power_B	959.382	324.254	479.691	162.127
load	N_1800053739	constant_power_A_real	959.382	0.0	479.691	0.0
load	N_1800053739	constant_power_B_real	959.382	0.0	479.691	0.0
load	N_1800053739	constant_power_A_reac	324.254	0.0	162.127	0.0
load	N_1800053739	constant_power_B_reac	324.254	0.0	162.127	0.0
load	N_1800053632	constant_power_A	854.493	291.852	427.2465	145.926
load	N_1800053632	constant_power_B	854.493	291.852	427.2465	145.926
load	N_1800053632	constant_power_A_real	854.493	0.0	427.2465	0.0
load	N_1800053632	constant_power_B_real	854.493	0.0	427.2465	0.0
load	N_1800053632	constant_power_A_reac	291.852	0.0	145.926	0.0
load	N_1800053632	constant_power_B_reac	291.852	0.0	145.926	0.0
load	N_1800053634	constant_power_A	294.248	162.803	147.124	81.4015
load	N_1800053634	constant_power_B	294.248	162.803	147.124	81.4015
load	N_1800053634	constant_power_C	294.248	162.803	147.124	81.4015
load	N_1800053634	constant_power_A_real	294.248	0.0	147.124	0.0
load	N_1800053634	constant_power_B_real	294.248	0.0	147.124	0.0
load	N_1800053634	constant_power_C_real	294.248	0.0	147.124	0.0
load	N_1800053634	constant_power_A_reac	162.803	0.0	81.4015	0.0
load	N_1800053634	constant_power_B_reac	162.803	0.0	81.4015	0.0
load	N_1800053634	constant_power_C_reac	162.803	0.0	81.4015	0.0
load	N_1800053637	constant_power_A	146.192	80.8854	73.096	40.4427
load	N_1800053637	constant_power_B	146.192	80.8854	73.096	40.4427
load	N_1800053637	constant_power_C	146.192	80.8854	73.096	40.4427
load	N_1800053637	constant_power_A_real	146.192	0.0	73.096	0.0
load	N_1800053637	constant_power_B_real	146.192	0.0	73.096	0.0
load	N_1800053637	constant_power_C_real	146.192	0.0	73.096	0.0
load	N_1800053637	constant_power_A_reac	80.8854	0.0	40.4427	0.0
load	N_1800053637	constant_power_B_reac	80.8854	0.0	40.4427	0.0
load	N_1800053637	constant_power_C_reac	80.8854	0.0	40.4427	0.0
load	N_1800053636	constant_power_A	458.9	253.902	229.45	126.951
load	N_1800053636	constant_power_B	458.9	253.902	229.45	126.951
load	N_1800053636	constant_power_C	458.9	253.902	229.45	126.951
load	N_1800053636	constant_power_A_real	458.9	0.0	229.45	0.0
load	N_1800053636	constant_power_B_real	458.9	0.0	229.45	0.0
load	N_1800053636	constant_power_C_real	458.9	0.0	229.45	0.0
load	N_1800053636	constant_power_A_reac	253.902	0.0	126.951	0.0
load	N_1800053636	constant_power_B_reac	253.902	0.0	126.951	0.0
load	N_1800053636	constant_power_C_reac	253.902	0.0	126.951	0.0
load	N_1800053730	constant_power_A	207.26	68.1231	103.63	34.06155

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053730	constant_power_B	207.26	68.1231	103.63	34.06155
load	N_1800053730	constant_power_A_real	207.26	0.0	103.63	0.0
load	N_1800053730	constant_power_B_real	207.26	0.0	103.63	0.0
load	N_1800053730	constant_power_A_reac	68.1231	0.0	34.06155	0.0
load	N_1800053730	constant_power_B_reac	68.1231	0.0	34.06155	0.0
load	N_1800053638	constant_power_A	31.6997	17.5389	15.84985	8.76945
load	N_1800053638	constant_power_B	31.6997	17.5389	15.84985	8.76945
load	N_1800053638	constant_power_C	31.6997	17.5389	15.84985	8.76945
load	N_1800053638	constant_power_A_real	31.6997	0.0	15.84985	0.0
load	N_1800053638	constant_power_B_real	31.6997	0.0	15.84985	0.0
load	N_1800053638	constant_power_C_real	31.6997	0.0	15.84985	0.0
load	N_1800053638	constant_power_A_reac	17.5389	0.0	8.76945	0.0
load	N_1800053638	constant_power_B_reac	17.5389	0.0	8.76945	0.0
load	N_1800053638	constant_power_C_reac	17.5389	0.0	8.76945	0.0
load	N_1800053732	constant_power_A	352.239	115.775	176.1195	57.8875
load	N_1800053732	constant_power_B	352.239	115.775	176.1195	57.8875
load	N_1800053732	constant_power_C	352.239	115.775	176.1195	57.8875
load	N_1800053732	constant_power_A_real	352.239	0.0	176.1195	0.0
load	N_1800053732	constant_power_B_real	352.239	0.0	176.1195	0.0
load	N_1800053732	constant_power_C_real	352.239	0.0	176.1195	0.0
load	N_1800053732	constant_power_A_reac	115.775	0.0	57.8875	0.0
load	N_1800053732	constant_power_B_reac	115.775	0.0	57.8875	0.0
load	N_1800053732	constant_power_C_reac	115.775	0.0	57.8875	0.0
load	N_1800053733	constant_power_A	169.687	55.7733	84.8435	27.88665
load	N_1800053733	constant_power_B	169.687	55.7733	84.8435	27.88665
load	N_1800053733	constant_power_C	169.687	55.7733	84.8435	27.88665
load	N_1800053733	constant_power_A_real	169.687	0.0	84.8435	0.0
load	N_1800053733	constant_power_B_real	169.687	0.0	84.8435	0.0
load	N_1800053733	constant_power_C_real	169.687	0.0	84.8435	0.0
load	N_1800053733	constant_power_A_reac	55.7733	0.0	27.88665	0.0
load	N_1800053733	constant_power_B_reac	55.7733	0.0	27.88665	0.0
load	N_1800053733	constant_power_C_reac	55.7733	0.0	27.88665	0.0
load	N_1800034178	constant_power_A	106.847	35.1188	53.4235	17.5594
load	N_1800034178	constant_power_B	106.847	35.1188	53.4235	17.5594
load	N_1800034178	constant_power_C	106.847	35.1188	53.4235	17.5594
load	N_1800034178	constant_power_A_real	106.847	0.0	53.4235	0.0
load	N_1800034178	constant_power_B_real	106.847	0.0	53.4235	0.0
load	N_1800034178	constant_power_C_real	106.847	0.0	53.4235	0.0
load	N_1800034178	constant_power_A_reac	35.1188	0.0	17.5594	0.0
load	N_1800034178	constant_power_B_reac	35.1188	0.0	17.5594	0.0
load	N_1800034178	constant_power_C_reac	35.1188	0.0	17.5594	0.0
load	N_1800016487	constant_power_A	636.791	209.303	318.3955	104.6515
load	N_1800016487	constant_power_B	636.791	209.303	318.3955	104.6515
load	N_1800016487	constant_power_C	636.791	209.303	318.3955	104.6515
load	N_1800016487	constant_power_A_real	636.791	0.0	318.3955	0.0
load	N_1800016487	constant_power_B_real	636.791	0.0	318.3955	0.0
load	N_1800016487	constant_power_C_real	636.791	0.0	318.3955	0.0
load	N_1800016487	constant_power_A_reac	209.303	0.0	104.6515	0.0
load	N_1800016487	constant_power_B_reac	209.303	0.0	104.6515	0.0
load	N_1800016487	constant_power_C_reac	209.303	0.0	104.6515	0.0
load	N_1800016486	constant_power_A	207.54	77.7638	103.77	38.8819
load	N_1800016486	constant_power_B	207.54	77.7638	103.77	38.8819
load	N_1800016486	constant_power_C	207.54	77.7638	103.77	38.8819
load	N_1800016486	constant_power_A_real	207.54	0.0	103.77	0.0
load	N_1800016486	constant_power_B_real	207.54	0.0	103.77	0.0
load	N_1800016486	constant_power_C_real	207.54	0.0	103.77	0.0
load	N_1800016486	constant_power_A_reac	77.7638	0.0	38.8819	0.0
load	N_1800016486	constant_power_B_reac	77.7638	0.0	38.8819	0.0
load	N_1800016486	constant_power_C_reac	77.7638	0.0	38.8819	0.0
load	N_1800001963	constant_power_A	173.975	73.9771	86.9875	36.98855
load	N_1800001963	constant_power_B	173.975	73.9771	86.9875	36.98855
load	N_1800001963	constant_power_C	173.975	73.9771	86.9875	36.98855
load	N_1800001963	constant_power_A_real	173.975	0.0	86.9875	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800001963	constant_power_B_real	173.975	0.0	86.9875	0.0
load	N_1800001963	constant_power_C_real	173.975	0.0	86.9875	0.0
load	N_1800001963	constant_power_A_reac	73.9771	0.0	36.98855	0.0
load	N_1800001963	constant_power_B_reac	73.9771	0.0	36.98855	0.0
load	N_1800001963	constant_power_C_reac	73.9771	0.0	36.98855	0.0
load	N_1800003323	constant_power_A	7739.28	4764.23	3869.64	2382.115
load	N_1800003323	constant_power_B	7739.28	4764.23	3869.64	2382.115
load	N_1800003323	constant_power_C	7739.28	4764.23	3869.64	2382.115
load	N_1800003323	constant_power_A_real	7739.28	0.0	3869.64	0.0
load	N_1800003323	constant_power_B_real	7739.28	0.0	3869.64	0.0
load	N_1800003323	constant_power_C_real	7739.28	0.0	3869.64	0.0
load	N_1800003323	constant_power_A_reac	4764.23	0.0	2382.115	0.0
load	N_1800003323	constant_power_B_reac	4764.23	0.0	2382.115	0.0
load	N_1800003323	constant_power_C_reac	4764.23	0.0	2382.115	0.0
load	N_1800037512	constant_power_A	723.871	349.663	361.9355	174.8315
load	N_1800037512	constant_power_B	723.871	349.663	361.9355	174.8315
load	N_1800037512	constant_power_C	723.871	349.663	361.9355	174.8315
load	N_1800037512	constant_power_A_real	723.871	0.0	361.9355	0.0
load	N_1800037512	constant_power_B_real	723.871	0.0	361.9355	0.0
load	N_1800037512	constant_power_C_real	723.871	0.0	361.9355	0.0
load	N_1800037512	constant_power_A_reac	349.663	0.0	174.8315	0.0
load	N_1800037512	constant_power_B_reac	349.663	0.0	174.8315	0.0
load	N_1800037512	constant_power_C_reac	349.663	0.0	174.8315	0.0
load	N_1800026291	constant_power_A	339.839	111.7	169.9195	55.85
load	N_1800026291	constant_power_B	339.839	111.7	169.9195	55.85
load	N_1800026291	constant_power_A_real	339.839	0.0	169.9195	0.0
load	N_1800026291	constant_power_B_real	339.839	0.0	169.9195	0.0
load	N_1800026291	constant_power_A_reac	111.7	0.0	55.85	0.0
load	N_1800026291	constant_power_B_reac	111.7	0.0	55.85	0.0
load	N_1800026290	constant_power_A	731.703	240.499	365.8515	120.2495
load	N_1800026290	constant_power_B	731.703	240.499	365.8515	120.2495
load	N_1800026290	constant_power_A_real	731.703	0.0	365.8515	0.0
load	N_1800026290	constant_power_B_real	731.703	0.0	365.8515	0.0
load	N_1800026290	constant_power_A_reac	240.499	0.0	120.2495	0.0
load	N_1800026290	constant_power_B_reac	240.499	0.0	120.2495	0.0
load	N_1800027897	constant_power_A	661.498	217.424	330.749	108.712
load	N_1800027897	constant_power_B	661.498	217.424	330.749	108.712
load	N_1800027897	constant_power_A_real	661.498	0.0	330.749	0.0
load	N_1800027897	constant_power_B_real	661.498	0.0	330.749	0.0
load	N_1800027897	constant_power_A_reac	217.424	0.0	108.712	0.0
load	N_1800027897	constant_power_B_reac	217.424	0.0	108.712	0.0
load	N_1800040448	constant_power_A	344.967	190.864	172.4835	95.432
load	N_1800040448	constant_power_B	344.967	190.864	172.4835	95.432
load	N_1800040448	constant_power_C	344.967	190.864	172.4835	95.432
load	N_1800040448	constant_power_A_real	344.967	0.0	172.4835	0.0
load	N_1800040448	constant_power_B_real	344.967	0.0	172.4835	0.0
load	N_1800040448	constant_power_C_real	344.967	0.0	172.4835	0.0
load	N_1800040448	constant_power_A_reac	190.864	0.0	95.432	0.0
load	N_1800040448	constant_power_B_reac	190.864	0.0	95.432	0.0
load	N_1800040448	constant_power_C_reac	190.864	0.0	95.432	0.0
load	N_1800053399	constant_power_A	431.022	141.67	215.511	70.835
load	N_1800053399	constant_power_B	431.022	141.67	215.511	70.835
load	N_1800053399	constant_power_A_real	431.022	0.0	215.511	0.0
load	N_1800053399	constant_power_B_real	431.022	0.0	215.511	0.0
load	N_1800053399	constant_power_A_reac	141.67	0.0	70.835	0.0
load	N_1800053399	constant_power_B_reac	141.67	0.0	70.835	0.0
load	N_1800053644	constant_power_A	6189.27	3823.18	3094.635	1911.59
load	N_1800053644	constant_power_B	6189.27	3823.18	3094.635	1911.59
load	N_1800053644	constant_power_C	6189.27	3823.18	3094.635	1911.59
load	N_1800053644	constant_power_A_real	6189.27	0.0	3094.635	0.0
load	N_1800053644	constant_power_B_real	6189.27	0.0	3094.635	0.0
load	N_1800053644	constant_power_C_real	6189.27	0.0	3094.635	0.0
load	N_1800053644	constant_power_A_reac	3823.18	0.0	1911.59	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053644	constant_power_B_reac	3823.18	0.0	1911.59	0.0
load	N_1800053644	constant_power_C_reac	3823.18	0.0	1911.59	0.0
load	N_1800053645	constant_power_A	648.538	372.581	324.269	186.2905
load	N_1800053645	constant_power_B	648.538	372.581	324.269	186.2905
load	N_1800053645	constant_power_C	648.538	372.581	324.269	186.2905
load	N_1800053645	constant_power_A_real	648.538	0.0	324.269	0.0
load	N_1800053645	constant_power_B_real	648.538	0.0	324.269	0.0
load	N_1800053645	constant_power_C_real	648.538	0.0	324.269	0.0
load	N_1800053645	constant_power_A_reac	372.581	0.0	186.2905	0.0
load	N_1800053645	constant_power_B_reac	372.581	0.0	186.2905	0.0
load	N_1800053645	constant_power_C_reac	372.581	0.0	186.2905	0.0
load	N_1800034003	constant_power_A	0.373	0.231165	0.1865	0.1155825
load	N_1800034003	constant_power_B	0.373	0.231165	0.1865	0.1155825
load	N_1800034003	constant_power_C	0.373	0.231165	0.1865	0.1155825
load	N_1800034003	constant_power_A_real	0.373	0.0	0.1865	0.0
load	N_1800034003	constant_power_B_real	0.373	0.0	0.1865	0.0
load	N_1800034003	constant_power_C_real	0.373	0.0	0.1865	0.0
load	N_1800034003	constant_power_A_reac	0.231165	0.0	0.1155825	0.0
load	N_1800034003	constant_power_B_reac	0.231165	0.0	0.1155825	0.0
load	N_1800034003	constant_power_C_reac	0.231165	0.0	0.1155825	0.0
load	N_1800005305	constant_power_A	66000.0	40903.1	33000.0	20451.55
load	N_1800005305	constant_power_B	66000.0	40903.1	33000.0	20451.55
load	N_1800005305	constant_power_C	66000.0	40903.1	33000.0	20451.55
load	N_1800005305	constant_power_A_real	66000.0	0.0	33000.0	0.0
load	N_1800005305	constant_power_B_real	66000.0	0.0	33000.0	0.0
load	N_1800005305	constant_power_C_real	66000.0	0.0	33000.0	0.0
load	N_1800005305	constant_power_A_reac	40903.1	0.0	20451.55	0.0
load	N_1800005305	constant_power_B_reac	40903.1	0.0	20451.55	0.0
load	N_1800005305	constant_power_C_reac	40903.1	0.0	20451.55	0.0
load	N_1800053640	constant_power_A	351.121	217.605	175.5605	108.8025
load	N_1800053640	constant_power_B	351.121	217.605	175.5605	108.8025
load	N_1800053640	constant_power_C	351.121	217.605	175.5605	108.8025
load	N_1800053640	constant_power_A_real	351.121	0.0	175.5605	0.0
load	N_1800053640	constant_power_B_real	351.121	0.0	175.5605	0.0
load	N_1800053640	constant_power_C_real	351.121	0.0	175.5605	0.0
load	N_1800053640	constant_power_A_reac	217.605	0.0	108.8025	0.0
load	N_1800053640	constant_power_B_reac	217.605	0.0	108.8025	0.0
load	N_1800053640	constant_power_C_reac	217.605	0.0	108.8025	0.0
load	N_1800053642	constant_power_A	103.117	57.0529	51.5585	28.52645
load	N_1800053642	constant_power_B	103.117	57.0529	51.5585	28.52645
load	N_1800053642	constant_power_C	103.117	57.0529	51.5585	28.52645
load	N_1800053642	constant_power_A_real	103.117	0.0	51.5585	0.0
load	N_1800053642	constant_power_B_real	103.117	0.0	51.5585	0.0
load	N_1800053642	constant_power_C_real	103.117	0.0	51.5585	0.0
load	N_1800053642	constant_power_A_reac	57.0529	0.0	28.52645	0.0
load	N_1800053642	constant_power_B_reac	57.0529	0.0	28.52645	0.0
load	N_1800053642	constant_power_C_reac	57.0529	0.0	28.52645	0.0
load	N_1800053643	constant_power_A	104.236	60.0887	52.118	30.04435
load	N_1800053643	constant_power_B	104.236	60.0887	52.118	30.04435
load	N_1800053643	constant_power_C	104.236	60.0887	52.118	30.04435
load	N_1800053643	constant_power_A_real	104.236	0.0	52.118	0.0
load	N_1800053643	constant_power_B_real	104.236	0.0	52.118	0.0
load	N_1800053643	constant_power_C_real	104.236	0.0	52.118	0.0
load	N_1800053643	constant_power_A_reac	60.0887	0.0	30.04435	0.0
load	N_1800053643	constant_power_B_reac	60.0887	0.0	30.04435	0.0
load	N_1800053643	constant_power_C_reac	60.0887	0.0	30.04435	0.0
load	N_1800053648	constant_power_A	240.358	98.5184	120.179	49.2592
load	N_1800053648	constant_power_B	240.358	98.5184	120.179	49.2592
load	N_1800053648	constant_power_C	240.358	98.5184	120.179	49.2592
load	N_1800053648	constant_power_A_real	240.358	0.0	120.179	0.0
load	N_1800053648	constant_power_B_real	240.358	0.0	120.179	0.0
load	N_1800053648	constant_power_C_real	240.358	0.0	120.179	0.0
load	N_1800053648	constant_power_A_reac	98.5184	0.0	49.2592	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800053648	constant_power_B_reac	98.5184	0.0	49.2592	0.0
load	N_1800053648	constant_power_C_reac	98.5184	0.0	49.2592	0.0
load	N_1800006503	constant_power_A	944.837	336.31	472.4185	168.155
load	N_1800006503	constant_power_B	944.837	336.31	472.4185	168.155
load	N_1800006503	constant_power_C	944.837	336.31	472.4185	168.155
load	N_1800006503	constant_power_A_real	944.837	0.0	472.4185	0.0
load	N_1800006503	constant_power_B_real	944.837	0.0	472.4185	0.0
load	N_1800006503	constant_power_C_real	944.837	0.0	472.4185	0.0
load	N_1800006503	constant_power_A_reac	336.31	0.0	168.155	0.0
load	N_1800006503	constant_power_B_reac	336.31	0.0	168.155	0.0
load	N_1800006503	constant_power_C_reac	336.31	0.0	168.155	0.0
load	N_1800006502	constant_power_A	156.447	51.4218	78.2235	25.7109
load	N_1800006502	constant_power_B	156.447	51.4218	78.2235	25.7109
load	N_1800006502	constant_power_C	156.447	51.4218	78.2235	25.7109
load	N_1800006502	constant_power_A_real	156.447	0.0	78.2235	0.0
load	N_1800006502	constant_power_B_real	156.447	0.0	78.2235	0.0
load	N_1800006502	constant_power_C_real	156.447	0.0	78.2235	0.0
load	N_1800006502	constant_power_A_reac	51.4218	0.0	25.7109	0.0
load	N_1800006502	constant_power_B_reac	51.4218	0.0	25.7109	0.0
load	N_1800006502	constant_power_C_reac	51.4218	0.0	25.7109	0.0
load	N_1800006507	constant_power_A	24.8003	8.15148	12.40015	4.07574
load	N_1800006507	constant_power_B	24.8003	8.15148	12.40015	4.07574
load	N_1800006507	constant_power_C	24.8003	8.15148	12.40015	4.07574
load	N_1800006507	constant_power_A_real	24.8003	0.0	12.40015	0.0
load	N_1800006507	constant_power_B_real	24.8003	0.0	12.40015	0.0
load	N_1800006507	constant_power_C_real	24.8003	0.0	12.40015	0.0
load	N_1800006507	constant_power_A_reac	8.15148	0.0	4.07574	0.0
load	N_1800006507	constant_power_B_reac	8.15148	0.0	4.07574	0.0
load	N_1800006507	constant_power_C_reac	8.15148	0.0	4.07574	0.0
load	N_1800006506	constant_power_A	519.129	170.629	259.5645	85.3145
load	N_1800006506	constant_power_B	519.129	170.629	259.5645	85.3145
load	N_1800006506	constant_power_C	519.129	170.629	259.5645	85.3145
load	N_1800006506	constant_power_A_real	519.129	0.0	259.5645	0.0
load	N_1800006506	constant_power_B_real	519.129	0.0	259.5645	0.0
load	N_1800006506	constant_power_C_real	519.129	0.0	259.5645	0.0
load	N_1800006506	constant_power_A_reac	170.629	0.0	85.3145	0.0
load	N_1800006506	constant_power_B_reac	170.629	0.0	85.3145	0.0
load	N_1800006506	constant_power_C_reac	170.629	0.0	85.3145	0.0
load	N_1800041636	constant_power_A	785.965	273.474	392.9825	136.737
load	N_1800041636	constant_power_B	785.965	273.474	392.9825	136.737
load	N_1800041636	constant_power_A_real	785.965	0.0	392.9825	0.0
load	N_1800041636	constant_power_B_real	785.965	0.0	392.9825	0.0
load	N_1800041636	constant_power_A_reac	273.474	0.0	136.737	0.0
load	N_1800041636	constant_power_B_reac	273.474	0.0	136.737	0.0
load	N_1800034181	constant_power_A	30.208	16.7136	15.104	8.3568
load	N_1800034181	constant_power_B	30.208	16.7136	15.104	8.3568
load	N_1800034181	constant_power_C	30.208	16.7136	15.104	8.3568
load	N_1800034181	constant_power_A_real	30.208	0.0	15.104	0.0
load	N_1800034181	constant_power_B_real	30.208	0.0	15.104	0.0
load	N_1800034181	constant_power_C_real	30.208	0.0	15.104	0.0
load	N_1800034181	constant_power_A_reac	16.7136	0.0	8.3568	0.0
load	N_1800034181	constant_power_B_reac	16.7136	0.0	8.3568	0.0
load	N_1800034181	constant_power_C_reac	16.7136	0.0	8.3568	0.0
load	N_1800034182	constant_power_A	106.473	35.2473	53.2365	17.62365
load	N_1800034182	constant_power_B	106.473	35.2473	53.2365	17.62365
load	N_1800034182	constant_power_C	106.473	35.2473	53.2365	17.62365
load	N_1800034182	constant_power_A_real	106.473	0.0	53.2365	0.0
load	N_1800034182	constant_power_B_real	106.473	0.0	53.2365	0.0
load	N_1800034182	constant_power_C_real	106.473	0.0	53.2365	0.0
load	N_1800034182	constant_power_A_reac	35.2473	0.0	17.62365	0.0
load	N_1800034182	constant_power_B_reac	35.2473	0.0	17.62365	0.0
load	N_1800034182	constant_power_C_reac	35.2473	0.0	17.62365	0.0
load	N_1800041635	constant_power_A	430.183	199.127	215.0915	99.5635

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800041635	constant_power_B	430.183	199.127	215.0915	99.5635
load	N_1800041635	constant_power_A_real	430.183	0.0	215.0915	0.0
load	N_1800041635	constant_power_B_real	430.183	0.0	215.0915	0.0
load	N_1800041635	constant_power_A_reac	199.127	0.0	99.5635	0.0
load	N_1800041635	constant_power_B_reac	199.127	0.0	99.5635	0.0
load	N_1800017583	constant_power_A	30666.7	19005.5	15333.35	9502.75
load	N_1800017583	constant_power_B	30666.7	19005.5	15333.35	9502.75
load	N_1800017583	constant_power_C	30666.7	19005.5	15333.35	9502.75
load	N_1800017583	constant_power_A_real	30666.7	0.0	15333.35	0.0
load	N_1800017583	constant_power_B_real	30666.7	0.0	15333.35	0.0
load	N_1800017583	constant_power_C_real	30666.7	0.0	15333.35	0.0
load	N_1800017583	constant_power_A_reac	19005.5	0.0	9502.75	0.0
load	N_1800017583	constant_power_B_reac	19005.5	0.0	9502.75	0.0
load	N_1800017583	constant_power_C_reac	19005.5	0.0	9502.75	0.0
load	N_1800040616	constant_power_A	146.751	48.2347	73.3755	24.11735
load	N_1800040616	constant_power_B	146.751	48.2347	73.3755	24.11735
load	N_1800040616	constant_power_C	146.751	48.2347	73.3755	24.11735
load	N_1800040616	constant_power_A_real	146.751	0.0	73.3755	0.0
load	N_1800040616	constant_power_B_real	146.751	0.0	73.3755	0.0
load	N_1800040616	constant_power_C_real	146.751	0.0	73.3755	0.0
load	N_1800040616	constant_power_A_reac	48.2347	0.0	24.11735	0.0
load	N_1800040616	constant_power_B_reac	48.2347	0.0	24.11735	0.0
load	N_1800040616	constant_power_C_reac	48.2347	0.0	24.11735	0.0
load	N_1800041638	constant_power_A	848.339	286.437	424.1695	143.2185
load	N_1800041638	constant_power_B	848.339	286.437	424.1695	143.2185
load	N_1800041638	constant_power_A_real	848.339	0.0	424.1695	0.0
load	N_1800041638	constant_power_B_real	848.339	0.0	424.1695	0.0
load	N_1800041638	constant_power_A_reac	286.437	0.0	143.2185	0.0
load	N_1800041638	constant_power_B_reac	286.437	0.0	143.2185	0.0
load	N_1800054040	constant_power_A	133.418	43.8524	66.709	21.9262
load	N_1800054040	constant_power_B	133.418	43.8524	66.709	21.9262
load	N_1800054040	constant_power_A_real	133.418	0.0	66.709	0.0
load	N_1800054040	constant_power_B_real	133.418	0.0	66.709	0.0
load	N_1800054040	constant_power_A_reac	43.8524	0.0	21.9262	0.0
load	N_1800054040	constant_power_B_reac	43.8524	0.0	21.9262	0.0
load	N_1800039659	constant_power_A	541.691	327.432	270.8455	163.716
load	N_1800039659	constant_power_B	541.691	327.432	270.8455	163.716
load	N_1800039659	constant_power_C	541.691	327.432	270.8455	163.716
load	N_1800039659	constant_power_A_real	541.691	0.0	270.8455	0.0
load	N_1800039659	constant_power_B_real	541.691	0.0	270.8455	0.0
load	N_1800039659	constant_power_C_real	541.691	0.0	270.8455	0.0
load	N_1800039659	constant_power_A_reac	327.432	0.0	163.716	0.0
load	N_1800039659	constant_power_B_reac	327.432	0.0	163.716	0.0
load	N_1800039659	constant_power_C_reac	327.432	0.0	163.716	0.0
load	N_1800015765	constant_power_A	1288.59	423.54	644.295	211.77
load	N_1800015765	constant_power_B	1288.59	423.54	644.295	211.77
load	N_1800015765	constant_power_A_real	1288.59	0.0	644.295	0.0
load	N_1800015765	constant_power_B_real	1288.59	0.0	644.295	0.0
load	N_1800015765	constant_power_A_reac	423.54	0.0	211.77	0.0
load	N_1800015765	constant_power_B_reac	423.54	0.0	211.77	0.0
load	N_1800053392	constant_power_A	36.9207	20.4276	18.46035	10.2138
load	N_1800053392	constant_power_B	36.9207	20.4276	18.46035	10.2138
load	N_1800053392	constant_power_C	36.9207	20.4276	18.46035	10.2138
load	N_1800053392	constant_power_A_real	36.9207	0.0	18.46035	0.0
load	N_1800053392	constant_power_B_real	36.9207	0.0	18.46035	0.0
load	N_1800053392	constant_power_C_real	36.9207	0.0	18.46035	0.0
load	N_1800053392	constant_power_A_reac	20.4276	0.0	10.2138	0.0
load	N_1800053392	constant_power_B_reac	20.4276	0.0	10.2138	0.0
load	N_1800053392	constant_power_C_reac	20.4276	0.0	10.2138	0.0
load	N_1800054049	constant_power_A	138.732	69.8061	69.366	34.90305
load	N_1800054049	constant_power_B	138.732	69.8061	69.366	34.90305
load	N_1800054049	constant_power_C	138.732	69.8061	69.366	34.90305
load	N_1800054049	constant_power_A_real	138.732	0.0	69.366	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054049	constant_power_B_real	138.732	0.0	69.366	0.0
load	N_1800054049	constant_power_C_real	138.732	0.0	69.366	0.0
load	N_1800054049	constant_power_A_reac	69.8061	0.0	34.90305	0.0
load	N_1800054049	constant_power_B_reac	69.8061	0.0	34.90305	0.0
load	N_1800054049	constant_power_C_reac	69.8061	0.0	34.90305	0.0
load	N_1800054048	constant_power_A	725.27	238.385	362.635	119.1925
load	N_1800054048	constant_power_B	725.27	238.385	362.635	119.1925
load	N_1800054048	constant_power_A_real	725.27	0.0	362.635	0.0
load	N_1800054048	constant_power_B_real	725.27	0.0	362.635	0.0
load	N_1800054048	constant_power_A_reac	238.385	0.0	119.1925	0.0
load	N_1800054048	constant_power_B_reac	238.385	0.0	119.1925	0.0
load	N_1800034179	constant_power_A	936.446	461.502	468.223	230.751
load	N_1800034179	constant_power_B	936.446	461.502	468.223	230.751
load	N_1800034179	constant_power_C	936.446	461.502	468.223	230.751
load	N_1800034179	constant_power_A_real	936.446	0.0	468.223	0.0
load	N_1800034179	constant_power_B_real	936.446	0.0	468.223	0.0
load	N_1800034179	constant_power_C_real	936.446	0.0	468.223	0.0
load	N_1800034179	constant_power_A_reac	461.502	0.0	230.751	0.0
load	N_1800034179	constant_power_B_reac	461.502	0.0	230.751	0.0
load	N_1800034179	constant_power_C_reac	461.502	0.0	230.751	0.0
load	N_1800053397	constant_power_A	532.834	175.134	266.417	87.567
load	N_1800053397	constant_power_B	532.834	175.134	266.417	87.567
load	N_1800053397	constant_power_A_real	532.834	0.0	266.417	0.0
load	N_1800053397	constant_power_B_real	532.834	0.0	266.417	0.0
load	N_1800053397	constant_power_A_reac	175.134	0.0	87.567	0.0
load	N_1800053397	constant_power_B_reac	175.134	0.0	87.567	0.0
load	N_1800054042	constant_power_A	431.862	141.946	215.931	70.973
load	N_1800054042	constant_power_B	431.862	141.946	215.931	70.973
load	N_1800054042	constant_power_A_real	431.862	0.0	215.931	0.0
load	N_1800054042	constant_power_B_real	431.862	0.0	215.931	0.0
load	N_1800054042	constant_power_A_reac	141.946	0.0	70.973	0.0
load	N_1800054042	constant_power_B_reac	141.946	0.0	70.973	0.0
load	N_1800034177	constant_power_A	10.8153	3.55483	5.40765	1.777415
load	N_1800034177	constant_power_B	10.8153	3.55483	5.40765	1.777415
load	N_1800034177	constant_power_C	10.8153	3.55483	5.40765	1.777415
load	N_1800034177	constant_power_A_real	10.8153	0.0	5.40765	0.0
load	N_1800034177	constant_power_B_real	10.8153	0.0	5.40765	0.0
load	N_1800034177	constant_power_C_real	10.8153	0.0	5.40765	0.0
load	N_1800034177	constant_power_A_reac	3.55483	0.0	1.777415	0.0
load	N_1800034177	constant_power_B_reac	3.55483	0.0	1.777415	0.0
load	N_1800034177	constant_power_C_reac	3.55483	0.0	1.777415	0.0
load	N_1800034176	constant_power_A	392.89	129.137	196.445	64.5685
load	N_1800034176	constant_power_B	392.89	129.137	196.445	64.5685
load	N_1800034176	constant_power_C	392.89	129.137	196.445	64.5685
load	N_1800034176	constant_power_A_real	392.89	0.0	196.445	0.0
load	N_1800034176	constant_power_B_real	392.89	0.0	196.445	0.0
load	N_1800034176	constant_power_C_real	392.89	0.0	196.445	0.0
load	N_1800034176	constant_power_A_reac	129.137	0.0	64.5685	0.0
load	N_1800034176	constant_power_B_reac	129.137	0.0	64.5685	0.0
load	N_1800034176	constant_power_C_reac	129.137	0.0	64.5685	0.0
load	N_1800054047	constant_power_A	177.518	58.3475	88.759	29.17375
load	N_1800054047	constant_power_B	177.518	58.3475	88.759	29.17375
load	N_1800054047	constant_power_C	177.518	58.3475	88.759	29.17375
load	N_1800054047	constant_power_A_real	177.518	0.0	88.759	0.0
load	N_1800054047	constant_power_B_real	177.518	0.0	88.759	0.0
load	N_1800054047	constant_power_C_real	177.518	0.0	88.759	0.0
load	N_1800054047	constant_power_A_reac	58.3475	0.0	29.17375	0.0
load	N_1800054047	constant_power_B_reac	58.3475	0.0	29.17375	0.0
load	N_1800054047	constant_power_C_reac	58.3475	0.0	29.17375	0.0
load	N_1800054046	constant_power_A	275.228	90.4631	137.614	45.23155
load	N_1800054046	constant_power_B	275.228	90.4631	137.614	45.23155
load	N_1800054046	constant_power_A_real	275.228	0.0	137.614	0.0
load	N_1800054046	constant_power_B_real	275.228	0.0	137.614	0.0

Table 15: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800054046	constant_power_A_reac	90.4631	0.0	45.23155	0.0
load	N_1800054046	constant_power_B_reac	90.4631	0.0	45.23155	0.0
load	N_1800054045	constant_power_A	86.428	28.4075	43.214	14.20375
load	N_1800054045	constant_power_B	86.428	28.4075	43.214	14.20375
load	N_1800054045	constant_power_A_real	86.428	0.0	43.214	0.0
load	N_1800054045	constant_power_B_real	86.428	0.0	43.214	0.0
load	N_1800054045	constant_power_A_reac	28.4075	0.0	14.20375	0.0
load	N_1800054045	constant_power_B_reac	28.4075	0.0	14.20375	0.0
load	N_1800054044	constant_power_A	398.297	130.914	199.1485	65.457
load	N_1800054044	constant_power_B	398.297	130.914	199.1485	65.457
load	N_1800054044	constant_power_A_real	398.297	0.0	199.1485	0.0
load	N_1800054044	constant_power_B_real	398.297	0.0	199.1485	0.0
load	N_1800054044	constant_power_A_reac	130.914	0.0	65.457	0.0
load	N_1800054044	constant_power_B_reac	130.914	0.0	65.457	0.0

Table 16: Validation data for loadfactor PG&E PL0001 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300033983	constant_power_A	43404.9	26899.9	21702.45	13449.95
load	N_300033983	constant_power_B	43404.9	26899.9	21702.45	13449.95
load	N_300033983	constant_power_C	43404.9	26899.9	21702.45	13449.95
load	N_300033983	constant_power_A_real	43404.9	0.0	21702.45	0.0
load	N_300033983	constant_power_B_real	43404.9	0.0	21702.45	0.0
load	N_300033983	constant_power_C_real	43404.9	0.0	21702.45	0.0
load	N_300033983	constant_power_A_reac	26899.9	0.0	13449.95	0.0
load	N_300033983	constant_power_B_reac	26899.9	0.0	13449.95	0.0
load	N_300033983	constant_power_C_reac	26899.9	0.0	13449.95	0.0
load	N_300062331	constant_power_A	22440.5	7609.1	11220.25	3804.55
load	N_300062331	constant_power_B	22440.5	7609.1	11220.25	3804.55
load	N_300062331	constant_power_A_real	22440.5	0.0	11220.25	0.0
load	N_300062331	constant_power_B_real	22440.5	0.0	11220.25	0.0
load	N_300062331	constant_power_A_reac	7609.1	0.0	3804.55	0.0
load	N_300062331	constant_power_B_reac	7609.1	0.0	3804.55	0.0
load	N_300062332	constant_power_A	19642.2	6456.09	9821.1	3228.045
load	N_300062332	constant_power_B	19642.2	6456.09	9821.1	3228.045
load	N_300062332	constant_power_A_real	19642.2	0.0	9821.1	0.0
load	N_300062332	constant_power_B_real	19642.2	0.0	9821.1	0.0
load	N_300062332	constant_power_A_reac	6456.09	0.0	3228.045	0.0
load	N_300062332	constant_power_B_reac	6456.09	0.0	3228.045	0.0
load	N_300062337	constant_power_A	9046.83	2973.55	4523.415	1486.775
load	N_300062337	constant_power_B	9046.83	2973.55	4523.415	1486.775
load	N_300062337	constant_power_A_real	9046.83	0.0	4523.415	0.0
load	N_300062337	constant_power_B_real	9046.83	0.0	4523.415	0.0
load	N_300062337	constant_power_A_reac	2973.55	0.0	1486.775	0.0
load	N_300062337	constant_power_B_reac	2973.55	0.0	1486.775	0.0
load	N_300062336	constant_power_A	29443.0	9677.43	14721.5	4838.715
load	N_300062336	constant_power_B	29443.0	9677.43	14721.5	4838.715
load	N_300062336	constant_power_A_real	29443.0	0.0	14721.5	0.0
load	N_300062336	constant_power_B_real	29443.0	0.0	14721.5	0.0
load	N_300062336	constant_power_A_reac	9677.43	0.0	4838.715	0.0
load	N_300062336	constant_power_B_reac	9677.43	0.0	4838.715	0.0
load	N_300017937	constant_power_A	18686.8	6142.06	9343.4	3071.03
load	N_300017937	constant_power_B	18686.8	6142.06	9343.4	3071.03
load	N_300017937	constant_power_C	18686.8	6142.06	9343.4	3071.03
load	N_300017937	constant_power_A_real	18686.8	0.0	9343.4	0.0
load	N_300017937	constant_power_B_real	18686.8	0.0	9343.4	0.0
load	N_300017937	constant_power_C_real	18686.8	0.0	9343.4	0.0
load	N_300017937	constant_power_A_reac	6142.06	0.0	3071.03	0.0
load	N_300017937	constant_power_B_reac	6142.06	0.0	3071.03	0.0
load	N_300017937	constant_power_C_reac	6142.06	0.0	3071.03	0.0
load	N_300006691	constant_power_B	28206.8	9271.14	14103.4	4635.57
load	N_300006691	constant_power_C	28206.8	9271.14	14103.4	4635.57

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300006691	constant_power_B_real	28206.8	0.0	14103.4	0.0
load	N_300006691	constant_power_C_real	28206.8	0.0	14103.4	0.0
load	N_300006691	constant_power_B_reac	9271.14	0.0	4635.57	0.0
load	N_300006691	constant_power_C_reac	9271.14	0.0	4635.57	0.0
load	N_300053281	constant_power_A	19832.4	6518.59	9916.2	3259.295
load	N_300053281	constant_power_B	19832.4	6518.59	9916.2	3259.295
load	N_300053281	constant_power_C	19832.4	6518.59	9916.2	3259.295
load	N_300053281	constant_power_A_real	19832.4	0.0	9916.2	0.0
load	N_300053281	constant_power_B_real	19832.4	0.0	9916.2	0.0
load	N_300053281	constant_power_C_real	19832.4	0.0	9916.2	0.0
load	N_300053281	constant_power_A_reac	6518.59	0.0	3259.295	0.0
load	N_300053281	constant_power_B_reac	6518.59	0.0	3259.295	0.0
load	N_300053281	constant_power_C_reac	6518.59	0.0	3259.295	0.0
load	N_300062231	constant_power_A	9.056	2.97656	4.528	1.48828
load	N_300062231	constant_power_B	9.056	2.97656	4.528	1.48828
load	N_300062231	constant_power_C	9.056	2.97656	4.528	1.48828
load	N_300062231	constant_power_A_real	9.056	0.0	4.528	0.0
load	N_300062231	constant_power_B_real	9.056	0.0	4.528	0.0
load	N_300062231	constant_power_C_real	9.056	0.0	4.528	0.0
load	N_300062231	constant_power_A_reac	2.97656	0.0	1.48828	0.0
load	N_300062231	constant_power_B_reac	2.97656	0.0	1.48828	0.0
load	N_300062231	constant_power_C_reac	2.97656	0.0	1.48828	0.0
load	N_300062233	constant_power_A	2087.38	686.089	1043.69	343.0445
load	N_300062233	constant_power_B	2087.38	686.089	1043.69	343.0445
load	N_300062233	constant_power_C	2087.38	686.089	1043.69	343.0445
load	N_300062233	constant_power_A_real	2087.38	0.0	1043.69	0.0
load	N_300062233	constant_power_B_real	2087.38	0.0	1043.69	0.0
load	N_300062233	constant_power_C_real	2087.38	0.0	1043.69	0.0
load	N_300062233	constant_power_A_reac	686.089	0.0	343.0445	0.0
load	N_300062233	constant_power_B_reac	686.089	0.0	343.0445	0.0
load	N_300062233	constant_power_C_reac	686.089	0.0	343.0445	0.0
load	N_300053285	constant_power_A	16757.9	5508.06	8378.95	2754.03
load	N_300053285	constant_power_B	16757.9	5508.06	8378.95	2754.03
load	N_300053285	constant_power_C	16757.9	5508.06	8378.95	2754.03
load	N_300053285	constant_power_A_real	16757.9	0.0	8378.95	0.0
load	N_300053285	constant_power_B_real	16757.9	0.0	8378.95	0.0
load	N_300053285	constant_power_C_real	16757.9	0.0	8378.95	0.0
load	N_300053285	constant_power_A_reac	5508.06	0.0	2754.03	0.0
load	N_300053285	constant_power_B_reac	5508.06	0.0	2754.03	0.0
load	N_300053285	constant_power_C_reac	5508.06	0.0	2754.03	0.0
load	N_300053286	constant_power_A	9481.52	3116.42	4740.76	1558.21
load	N_300053286	constant_power_B	9481.52	3116.42	4740.76	1558.21
load	N_300053286	constant_power_C	9481.52	3116.42	4740.76	1558.21
load	N_300053286	constant_power_A_real	9481.52	0.0	4740.76	0.0
load	N_300053286	constant_power_B_real	9481.52	0.0	4740.76	0.0
load	N_300053286	constant_power_C_real	9481.52	0.0	4740.76	0.0
load	N_300053286	constant_power_A_reac	3116.42	0.0	1558.21	0.0
load	N_300053286	constant_power_B_reac	3116.42	0.0	1558.21	0.0
load	N_300053286	constant_power_C_reac	3116.42	0.0	1558.21	0.0
load	N_300218837	constant_power_A	19750.9	6491.8	9875.45	3245.9
load	N_300218837	constant_power_C	19750.9	6491.8	9875.45	3245.9
load	N_300218837	constant_power_A_real	19750.9	0.0	9875.45	0.0
load	N_300218837	constant_power_C_real	19750.9	0.0	9875.45	0.0
load	N_300218837	constant_power_A_reac	6491.8	0.0	3245.9	0.0
load	N_300218837	constant_power_C_reac	6491.8	0.0	3245.9	0.0
load	N_300062321	constant_power_B	39073.9	12843.0	19536.95	6421.5
load	N_300062321	constant_power_C	39073.9	12843.0	19536.95	6421.5
load	N_300062321	constant_power_B_real	39073.9	0.0	19536.95	0.0
load	N_300062321	constant_power_C_real	39073.9	0.0	19536.95	0.0
load	N_300062321	constant_power_B_reac	12843.0	0.0	6421.5	0.0
load	N_300062321	constant_power_C_reac	12843.0	0.0	6421.5	0.0
load	N_300063907	constant_power_A	665.608	218.775	332.804	109.3875
load	N_300063907	constant_power_B	665.608	218.775	332.804	109.3875

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300063907	constant_power_C	665.608	218.775	332.804	109.3875
load	N_300063907	constant_power_A_real	665.608	0.0	332.804	0.0
load	N_300063907	constant_power_B_real	665.608	0.0	332.804	0.0
load	N_300063907	constant_power_C_real	665.608	0.0	332.804	0.0
load	N_300063907	constant_power_A_reac	218.775	0.0	109.3875	0.0
load	N_300063907	constant_power_B_reac	218.775	0.0	109.3875	0.0
load	N_300063907	constant_power_C_reac	218.775	0.0	109.3875	0.0
load	N_300062377	constant_power_A	13203.5	4416.21	6601.75	2208.105
load	N_300062377	constant_power_B	13203.5	4416.21	6601.75	2208.105
load	N_300062377	constant_power_C	13203.5	4416.21	6601.75	2208.105
load	N_300062377	constant_power_A_real	13203.5	0.0	6601.75	0.0
load	N_300062377	constant_power_B_real	13203.5	0.0	6601.75	0.0
load	N_300062377	constant_power_C_real	13203.5	0.0	6601.75	0.0
load	N_300062377	constant_power_A_reac	4416.21	0.0	2208.105	0.0
load	N_300062377	constant_power_B_reac	4416.21	0.0	2208.105	0.0
load	N_300062377	constant_power_C_reac	4416.21	0.0	2208.105	0.0
load	N_300063908	constant_power_A	2580.93	848.31	1290.465	424.155
load	N_300063908	constant_power_B	2580.93	848.31	1290.465	424.155
load	N_300063908	constant_power_C	2580.93	848.31	1290.465	424.155
load	N_300063908	constant_power_A_real	2580.93	0.0	1290.465	0.0
load	N_300063908	constant_power_B_real	2580.93	0.0	1290.465	0.0
load	N_300063908	constant_power_C_real	2580.93	0.0	1290.465	0.0
load	N_300063908	constant_power_A_reac	848.31	0.0	424.155	0.0
load	N_300063908	constant_power_B_reac	848.31	0.0	424.155	0.0
load	N_300063908	constant_power_C_reac	848.31	0.0	424.155	0.0
load	N_300062285	constant_power_A	1408.19	462.85	704.095	231.425
load	N_300062285	constant_power_B	1408.19	462.85	704.095	231.425
load	N_300062285	constant_power_C	1408.19	462.85	704.095	231.425
load	N_300062285	constant_power_A_real	1408.19	0.0	704.095	0.0
load	N_300062285	constant_power_B_real	1408.19	0.0	704.095	0.0
load	N_300062285	constant_power_C_real	1408.19	0.0	704.095	0.0
load	N_300062285	constant_power_A_reac	462.85	0.0	231.425	0.0
load	N_300062285	constant_power_B_reac	462.85	0.0	231.425	0.0
load	N_300062285	constant_power_C_reac	462.85	0.0	231.425	0.0
load	N_300062284	constant_power_A	190.174	117.859	95.087	58.9295
load	N_300062284	constant_power_B	190.174	117.859	95.087	58.9295
load	N_300062284	constant_power_C	190.174	117.859	95.087	58.9295
load	N_300062284	constant_power_A_real	190.174	0.0	95.087	0.0
load	N_300062284	constant_power_B_real	190.174	0.0	95.087	0.0
load	N_300062284	constant_power_C_real	190.174	0.0	95.087	0.0
load	N_300062284	constant_power_A_reac	117.859	0.0	58.9295	0.0
load	N_300062284	constant_power_B_reac	117.859	0.0	58.9295	0.0
load	N_300062284	constant_power_C_reac	117.859	0.0	58.9295	0.0
load	N_300062329	constant_power_A	27283.1	8967.53	13641.55	4483.765
load	N_300062329	constant_power_B	27283.1	8967.53	13641.55	4483.765
load	N_300062329	constant_power_A_real	27283.1	0.0	13641.55	0.0
load	N_300062329	constant_power_B_real	27283.1	0.0	13641.55	0.0
load	N_300062329	constant_power_A_reac	8967.53	0.0	4483.765	0.0
load	N_300062329	constant_power_B_reac	8967.53	0.0	4483.765	0.0
load	N_300062324	constant_power_B	21150.0	6951.68	10575.0	3475.84
load	N_300062324	constant_power_C	21150.0	6951.68	10575.0	3475.84
load	N_300062324	constant_power_B_real	21150.0	0.0	10575.0	0.0
load	N_300062324	constant_power_C_real	21150.0	0.0	10575.0	0.0
load	N_300062324	constant_power_B_reac	6951.68	0.0	3475.84	0.0
load	N_300062324	constant_power_C_reac	6951.68	0.0	3475.84	0.0
load	N_300062320	constant_power_B	1990.03	654.092	995.015	327.046
load	N_300062320	constant_power_C	1990.03	654.092	995.015	327.046
load	N_300062320	constant_power_B_real	1990.03	0.0	995.015	0.0
load	N_300062320	constant_power_C_real	1990.03	0.0	995.015	0.0
load	N_300062320	constant_power_B_reac	654.092	0.0	327.046	0.0
load	N_300062320	constant_power_C_reac	654.092	0.0	327.046	0.0
load	N_300062055	constant_power_A	14358.1	4719.28	7179.05	2359.64
load	N_300062055	constant_power_B	14358.1	4719.28	7179.05	2359.64

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300062055	constant_power_C	14358.1	4719.28	7179.05	2359.64
load	N_300062055	constant_power_A_real	14358.1	0.0	7179.05	0.0
load	N_300062055	constant_power_B_real	14358.1	0.0	7179.05	0.0
load	N_300062055	constant_power_C_real	14358.1	0.0	7179.05	0.0
load	N_300062055	constant_power_A_reac	4719.28	0.0	2359.64	0.0
load	N_300062055	constant_power_B_reac	4719.28	0.0	2359.64	0.0
load	N_300062055	constant_power_C_reac	4719.28	0.0	2359.64	0.0
load	N_300062298	constant_power_A	21571.1	7090.09	10785.55	3545.045
load	N_300062298	constant_power_B	21571.1	7090.09	10785.55	3545.045
load	N_300062298	constant_power_C	21571.1	7090.09	10785.55	3545.045
load	N_300062298	constant_power_A_real	21571.1	0.0	10785.55	0.0
load	N_300062298	constant_power_B_real	21571.1	0.0	10785.55	0.0
load	N_300062298	constant_power_C_real	21571.1	0.0	10785.55	0.0
load	N_300062298	constant_power_A_reac	7090.09	0.0	3545.045	0.0
load	N_300062298	constant_power_B_reac	7090.09	0.0	3545.045	0.0
load	N_300062298	constant_power_C_reac	7090.09	0.0	3545.045	0.0
load	N_300062292	constant_power_A	185.646	115.053	92.823	57.5265
load	N_300062292	constant_power_B	185.646	115.053	92.823	57.5265
load	N_300062292	constant_power_C	185.646	115.053	92.823	57.5265
load	N_300062292	constant_power_A_real	185.646	0.0	92.823	0.0
load	N_300062292	constant_power_B_real	185.646	0.0	92.823	0.0
load	N_300062292	constant_power_C_real	185.646	0.0	92.823	0.0
load	N_300062292	constant_power_A_reac	115.053	0.0	57.5265	0.0
load	N_300062292	constant_power_B_reac	115.053	0.0	57.5265	0.0
load	N_300062292	constant_power_C_reac	115.053	0.0	57.5265	0.0
load	N_300062293	constant_power_A	72524.1	44946.4	36262.05	22473.2
load	N_300062293	constant_power_B	72524.1	44946.4	36262.05	22473.2
load	N_300062293	constant_power_C	72524.1	44946.4	36262.05	22473.2
load	N_300062293	constant_power_A_real	72524.1	0.0	36262.05	0.0
load	N_300062293	constant_power_B_real	72524.1	0.0	36262.05	0.0
load	N_300062293	constant_power_C_real	72524.1	0.0	36262.05	0.0
load	N_300062293	constant_power_A_reac	44946.4	0.0	22473.2	0.0
load	N_300062293	constant_power_B_reac	44946.4	0.0	22473.2	0.0
load	N_300062293	constant_power_C_reac	44946.4	0.0	22473.2	0.0
load	N_300062296	constant_power_A	15467.5	5083.91	7733.75	2541.955
load	N_300062296	constant_power_B	15467.5	5083.91	7733.75	2541.955
load	N_300062296	constant_power_C	15467.5	5083.91	7733.75	2541.955
load	N_300062296	constant_power_A_real	15467.5	0.0	7733.75	0.0
load	N_300062296	constant_power_B_real	15467.5	0.0	7733.75	0.0
load	N_300062296	constant_power_C_real	15467.5	0.0	7733.75	0.0
load	N_300062296	constant_power_A_reac	5083.91	0.0	2541.955	0.0
load	N_300062296	constant_power_B_reac	5083.91	0.0	2541.955	0.0
load	N_300062296	constant_power_C_reac	5083.91	0.0	2541.955	0.0
load	N_300062297	constant_power_A	17908.0	5886.08	8954.0	2943.04
load	N_300062297	constant_power_B	17908.0	5886.08	8954.0	2943.04
load	N_300062297	constant_power_C	17908.0	5886.08	8954.0	2943.04
load	N_300062297	constant_power_A_real	17908.0	0.0	8954.0	0.0
load	N_300062297	constant_power_B_real	17908.0	0.0	8954.0	0.0
load	N_300062297	constant_power_C_real	17908.0	0.0	8954.0	0.0
load	N_300062297	constant_power_A_reac	5886.08	0.0	2943.04	0.0
load	N_300062297	constant_power_B_reac	5886.08	0.0	2943.04	0.0
load	N_300062297	constant_power_C_reac	5886.08	0.0	2943.04	0.0
load	N_300010547	constant_power_A	8630.26	5348.56	4315.13	2674.28
load	N_300010547	constant_power_B	8630.26	5348.56	4315.13	2674.28
load	N_300010547	constant_power_C	8630.26	5348.56	4315.13	2674.28
load	N_300010547	constant_power_A_real	8630.26	0.0	4315.13	0.0
load	N_300010547	constant_power_B_real	8630.26	0.0	4315.13	0.0
load	N_300010547	constant_power_C_real	8630.26	0.0	4315.13	0.0
load	N_300010547	constant_power_A_reac	5348.56	0.0	2674.28	0.0
load	N_300010547	constant_power_B_reac	5348.56	0.0	2674.28	0.0
load	N_300010547	constant_power_C_reac	5348.56	0.0	2674.28	0.0
load	N_300053280	constant_power_A	25682.5	8441.43	12841.25	4220.715
load	N_300053280	constant_power_B	25682.5	8441.43	12841.25	4220.715

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300053280	constant_power_C	25682.5	8441.43	12841.25	4220.715
load	N_300053280	constant_power_A_real	25682.5	0.0	12841.25	0.0
load	N_300053280	constant_power_B_real	25682.5	0.0	12841.25	0.0
load	N_300053280	constant_power_C_real	25682.5	0.0	12841.25	0.0
load	N_300053280	constant_power_A_reac	8441.43	0.0	4220.715	0.0
load	N_300053280	constant_power_B_reac	8441.43	0.0	4220.715	0.0
load	N_300053280	constant_power_C_reac	8441.43	0.0	4220.715	0.0
load	N_300062353	constant_power_A	10867.1	3571.83	5433.55	1785.915
load	N_300062353	constant_power_B	10867.1	3571.83	5433.55	1785.915
load	N_300062353	constant_power_A_real	10867.1	0.0	5433.55	0.0
load	N_300062353	constant_power_B_real	10867.1	0.0	5433.55	0.0
load	N_300062353	constant_power_A_reac	3571.83	0.0	1785.915	0.0
load	N_300062353	constant_power_B_reac	3571.83	0.0	1785.915	0.0
load	N_300062350	constant_power_A	28587.2	9396.15	14293.6	4698.075
load	N_300062350	constant_power_B	28587.2	9396.15	14293.6	4698.075
load	N_300062350	constant_power_A_real	28587.2	0.0	14293.6	0.0
load	N_300062350	constant_power_B_real	28587.2	0.0	14293.6	0.0
load	N_300062350	constant_power_A_reac	9396.15	0.0	4698.075	0.0
load	N_300062350	constant_power_B_reac	9396.15	0.0	4698.075	0.0
load	N_300062354	constant_power_A	18338.2	6027.47	9169.1	3013.735
load	N_300062354	constant_power_B	18338.2	6027.47	9169.1	3013.735
load	N_300062354	constant_power_A_real	18338.2	0.0	9169.1	0.0
load	N_300062354	constant_power_B_real	18338.2	0.0	9169.1	0.0
load	N_300062354	constant_power_A_reac	6027.47	0.0	3013.735	0.0
load	N_300062354	constant_power_B_reac	6027.47	0.0	3013.735	0.0
load	N_300003543	constant_power_A	95.087	58.9296	47.5435	29.4648
load	N_300003543	constant_power_B	95.087	58.9296	47.5435	29.4648
load	N_300003543	constant_power_C	95.087	58.9296	47.5435	29.4648
load	N_300003543	constant_power_A_real	95.087	0.0	47.5435	0.0
load	N_300003543	constant_power_B_real	95.087	0.0	47.5435	0.0
load	N_300003543	constant_power_C_real	95.087	0.0	47.5435	0.0
load	N_300003543	constant_power_A_reac	58.9296	0.0	29.4648	0.0
load	N_300003543	constant_power_B_reac	58.9296	0.0	29.4648	0.0
load	N_300003543	constant_power_C_reac	58.9296	0.0	29.4648	0.0
load	N_300053283	constant_power_A	4903.76	1611.79	2451.88	805.895
load	N_300053283	constant_power_B	4903.76	1611.79	2451.88	805.895
load	N_300053283	constant_power_C	4903.76	1611.79	2451.88	805.895
load	N_300053283	constant_power_A_real	4903.76	0.0	2451.88	0.0
load	N_300053283	constant_power_B_real	4903.76	0.0	2451.88	0.0
load	N_300053283	constant_power_C_real	4903.76	0.0	2451.88	0.0
load	N_300053283	constant_power_A_reac	1611.79	0.0	805.895	0.0
load	N_300053283	constant_power_B_reac	1611.79	0.0	805.895	0.0
load	N_300053283	constant_power_C_reac	1611.79	0.0	805.895	0.0
load	N_300062348	constant_power_A	17074.9	5612.24	8537.45	2806.12
load	N_300062348	constant_power_B	17074.9	5612.24	8537.45	2806.12
load	N_300062348	constant_power_A_real	17074.9	0.0	8537.45	0.0
load	N_300062348	constant_power_B_real	17074.9	0.0	8537.45	0.0
load	N_300062348	constant_power_A_reac	5612.24	0.0	2806.12	0.0
load	N_300062348	constant_power_B_reac	5612.24	0.0	2806.12	0.0
load	N_300062349	constant_power_A	36560.9	12017.0	18280.45	6008.5
load	N_300062349	constant_power_B	36560.9	12017.0	18280.45	6008.5
load	N_300062349	constant_power_A_real	36560.9	0.0	18280.45	0.0
load	N_300062349	constant_power_B_real	36560.9	0.0	18280.45	0.0
load	N_300062349	constant_power_A_reac	12017.0	0.0	6008.5	0.0
load	N_300062349	constant_power_B_reac	12017.0	0.0	6008.5	0.0
load	N_300064555	constant_power_A	3214.84	1398.0	1607.42	699.0
load	N_300064555	constant_power_B	3214.84	1398.0	1607.42	699.0
load	N_300064555	constant_power_C	3214.84	1398.0	1607.42	699.0
load	N_300064555	constant_power_A_real	3214.84	0.0	1607.42	0.0
load	N_300064555	constant_power_B_real	3214.84	0.0	1607.42	0.0
load	N_300064555	constant_power_C_real	3214.84	0.0	1607.42	0.0
load	N_300064555	constant_power_A_reac	1398.0	0.0	699.0	0.0
load	N_300064555	constant_power_B_reac	1398.0	0.0	699.0	0.0

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300064555	constant_power_C_reac	1398.0	0.0	699.0	0.0
load	N_300064554	constant_power_A	3273.7	1103.69	1636.85	551.845
load	N_300064554	constant_power_B	3273.7	1103.69	1636.85	551.845
load	N_300064554	constant_power_A_real	3273.7	0.0	1636.85	0.0
load	N_300064554	constant_power_B_real	3273.7	0.0	1636.85	0.0
load	N_300064554	constant_power_A_reac	1103.69	0.0	551.845	0.0
load	N_300064554	constant_power_B_reac	1103.69	0.0	551.845	0.0
load	N_300062341	constant_power_A	15329.4	5038.52	7664.7	2519.26
load	N_300062341	constant_power_B	15329.4	5038.52	7664.7	2519.26
load	N_300062341	constant_power_A_real	15329.4	0.0	7664.7	0.0
load	N_300062341	constant_power_B_real	15329.4	0.0	7664.7	0.0
load	N_300062341	constant_power_A_reac	5038.52	0.0	2519.26	0.0
load	N_300062341	constant_power_B_reac	5038.52	0.0	2519.26	0.0
load	N_300062344	constant_power_A	21455.7	7052.14	10727.85	3526.07
load	N_300062344	constant_power_B	21455.7	7052.14	10727.85	3526.07
load	N_300062344	constant_power_A_real	21455.7	0.0	10727.85	0.0
load	N_300062344	constant_power_B_real	21455.7	0.0	10727.85	0.0
load	N_300062344	constant_power_A_reac	7052.14	0.0	3526.07	0.0
load	N_300062344	constant_power_B_reac	7052.14	0.0	3526.07	0.0
load	N_300063918	constant_power_A	2676.02	1040.35	1338.01	520.175
load	N_300063918	constant_power_B	2676.02	1040.35	1338.01	520.175
load	N_300063918	constant_power_C	2676.02	1040.35	1338.01	520.175
load	N_300063918	constant_power_A_real	2676.02	0.0	1338.01	0.0
load	N_300063918	constant_power_B_real	2676.02	0.0	1338.01	0.0
load	N_300063918	constant_power_C_real	2676.02	0.0	1338.01	0.0
load	N_300063918	constant_power_A_reac	1040.35	0.0	520.175	0.0
load	N_300063918	constant_power_B_reac	1040.35	0.0	520.175	0.0
load	N_300063918	constant_power_C_reac	1040.35	0.0	520.175	0.0
load	N_300016715	constant_power_A	16133.1	5302.68	8066.55	2651.34
load	N_300016715	constant_power_B	16133.1	5302.68	8066.55	2651.34
load	N_300016715	constant_power_C	16133.1	5302.68	8066.55	2651.34
load	N_300016715	constant_power_A_real	16133.1	0.0	8066.55	0.0
load	N_300016715	constant_power_B_real	16133.1	0.0	8066.55	0.0
load	N_300016715	constant_power_C_real	16133.1	0.0	8066.55	0.0
load	N_300016715	constant_power_A_reac	5302.68	0.0	2651.34	0.0
load	N_300016715	constant_power_B_reac	5302.68	0.0	2651.34	0.0
load	N_300016715	constant_power_C_reac	5302.68	0.0	2651.34	0.0
load	N_300063913	constant_power_A	1555.35	511.218	777.675	255.609
load	N_300063913	constant_power_B	1555.35	511.218	777.675	255.609
load	N_300063913	constant_power_A_real	1555.35	0.0	777.675	0.0
load	N_300063913	constant_power_B_real	1555.35	0.0	777.675	0.0
load	N_300063913	constant_power_A_reac	511.218	0.0	255.609	0.0
load	N_300063913	constant_power_B_reac	511.218	0.0	255.609	0.0
load	N_300063910	constant_power_A	2762.05	907.841	1381.025	453.9205
load	N_300063910	constant_power_B	2762.05	907.841	1381.025	453.9205
load	N_300063910	constant_power_C	2762.05	907.841	1381.025	453.9205
load	N_300063910	constant_power_A_real	2762.05	0.0	1381.025	0.0
load	N_300063910	constant_power_B_real	2762.05	0.0	1381.025	0.0
load	N_300063910	constant_power_C_real	2762.05	0.0	1381.025	0.0
load	N_300063910	constant_power_A_reac	907.841	0.0	453.9205	0.0
load	N_300063910	constant_power_B_reac	907.841	0.0	453.9205	0.0
load	N_300063910	constant_power_C_reac	907.841	0.0	453.9205	0.0
load	N_300063911	constant_power_A	12261.7	7599.1	6130.85	3799.55
load	N_300063911	constant_power_B	12261.7	7599.1	6130.85	3799.55
load	N_300063911	constant_power_C	12261.7	7599.1	6130.85	3799.55
load	N_300063911	constant_power_A_real	12261.7	0.0	6130.85	0.0
load	N_300063911	constant_power_B_real	12261.7	0.0	6130.85	0.0
load	N_300063911	constant_power_C_real	12261.7	0.0	6130.85	0.0
load	N_300063911	constant_power_A_reac	7599.1	0.0	3799.55	0.0
load	N_300063911	constant_power_B_reac	7599.1	0.0	3799.55	0.0
load	N_300063911	constant_power_C_reac	7599.1	0.0	3799.55	0.0
load	N_300063917	constant_power_A	4935.46	1622.21	2467.73	811.105
load	N_300063917	constant_power_B	4935.46	1622.21	2467.73	811.105

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300063917	constant_power_C	4935.46	1622.21	2467.73	811.105
load	N_300063917	constant_power_A_real	4935.46	0.0	2467.73	0.0
load	N_300063917	constant_power_B_real	4935.46	0.0	2467.73	0.0
load	N_300063917	constant_power_C_real	4935.46	0.0	2467.73	0.0
load	N_300063917	constant_power_A_reac	1622.21	0.0	811.105	0.0
load	N_300063917	constant_power_B_reac	1622.21	0.0	811.105	0.0
load	N_300063917	constant_power_C_reac	1622.21	0.0	811.105	0.0
load	N_300062050	constant_power_A	19497.3	6408.46	9748.65	3204.23
load	N_300062050	constant_power_B	19497.3	6408.46	9748.65	3204.23
load	N_300062050	constant_power_C	19497.3	6408.46	9748.65	3204.23
load	N_300062050	constant_power_A_real	19497.3	0.0	9748.65	0.0
load	N_300062050	constant_power_B_real	19497.3	0.0	9748.65	0.0
load	N_300062050	constant_power_C_real	19497.3	0.0	9748.65	0.0
load	N_300062050	constant_power_A_reac	6408.46	0.0	3204.23	0.0
load	N_300062050	constant_power_B_reac	6408.46	0.0	3204.23	0.0
load	N_300062050	constant_power_C_reac	6408.46	0.0	3204.23	0.0
load	N_300062379	constant_power_B	21156.8	6953.91	10578.4	3476.955
load	N_300062379	constant_power_C	21156.8	6953.91	10578.4	3476.955
load	N_300062379	constant_power_B_real	21156.8	0.0	10578.4	0.0
load	N_300062379	constant_power_C_real	21156.8	0.0	10578.4	0.0
load	N_300062379	constant_power_B_reac	6953.91	0.0	3476.955	0.0
load	N_300062379	constant_power_C_reac	6953.91	0.0	3476.955	0.0
load	N_300062378	constant_power_B	23133.3	7603.54	11566.65	3801.77
load	N_300062378	constant_power_C	23133.3	7603.54	11566.65	3801.77
load	N_300062378	constant_power_B_real	23133.3	0.0	11566.65	0.0
load	N_300062378	constant_power_C_real	23133.3	0.0	11566.65	0.0
load	N_300062378	constant_power_B_reac	7603.54	0.0	3801.77	0.0
load	N_300062378	constant_power_C_reac	7603.54	0.0	3801.77	0.0
load	N_300062374	constant_power_A	20054.3	6591.52	10027.15	3295.76
load	N_300062374	constant_power_B	20054.3	6591.52	10027.15	3295.76
load	N_300062374	constant_power_C	20054.3	6591.52	10027.15	3295.76
load	N_300062374	constant_power_A_real	20054.3	0.0	10027.15	0.0
load	N_300062374	constant_power_B_real	20054.3	0.0	10027.15	0.0
load	N_300062374	constant_power_C_real	20054.3	0.0	10027.15	0.0
load	N_300062374	constant_power_A_reac	6591.52	0.0	3295.76	0.0
load	N_300062374	constant_power_B_reac	6591.52	0.0	3295.76	0.0
load	N_300062374	constant_power_C_reac	6591.52	0.0	3295.76	0.0
load	N_300062049	constant_power_A	7339.8	2412.47	3669.9	1206.235
load	N_300062049	constant_power_B	7339.8	2412.47	3669.9	1206.235
load	N_300062049	constant_power_C	7339.8	2412.47	3669.9	1206.235
load	N_300062049	constant_power_A_real	7339.8	0.0	3669.9	0.0
load	N_300062049	constant_power_B_real	7339.8	0.0	3669.9	0.0
load	N_300062049	constant_power_C_real	7339.8	0.0	3669.9	0.0
load	N_300062049	constant_power_A_reac	2412.47	0.0	1206.235	0.0
load	N_300062049	constant_power_B_reac	2412.47	0.0	1206.235	0.0
load	N_300062049	constant_power_C_reac	2412.47	0.0	1206.235	0.0
load	N_300062048	constant_power_A	11922.1	3918.6	5961.05	1959.3
load	N_300062048	constant_power_B	11922.1	3918.6	5961.05	1959.3
load	N_300062048	constant_power_C	11922.1	3918.6	5961.05	1959.3
load	N_300062048	constant_power_A_real	11922.1	0.0	5961.05	0.0
load	N_300062048	constant_power_B_real	11922.1	0.0	5961.05	0.0
load	N_300062048	constant_power_C_real	11922.1	0.0	5961.05	0.0
load	N_300062048	constant_power_A_reac	3918.6	0.0	1959.3	0.0
load	N_300062048	constant_power_B_reac	3918.6	0.0	1959.3	0.0
load	N_300062048	constant_power_C_reac	3918.6	0.0	1959.3	0.0
load	N_300020686	constant_power_A	17179.0	5646.47	8589.5	2823.235
load	N_300020686	constant_power_B	17179.0	5646.47	8589.5	2823.235
load	N_300020686	constant_power_C	17179.0	5646.47	8589.5	2823.235
load	N_300020686	constant_power_A_real	17179.0	0.0	8589.5	0.0
load	N_300020686	constant_power_B_real	17179.0	0.0	8589.5	0.0
load	N_300020686	constant_power_C_real	17179.0	0.0	8589.5	0.0
load	N_300020686	constant_power_A_reac	5646.47	0.0	2823.235	0.0
load	N_300020686	constant_power_B_reac	5646.47	0.0	2823.235	0.0

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300020686	constant_power_C_reac	5646.47	0.0	2823.235	0.0
load	N_300233672	constant_power_A	47040.8	29153.3	23520.4	14576.65
load	N_300233672	constant_power_B	47040.8	29153.3	23520.4	14576.65
load	N_300233672	constant_power_C	47040.8	29153.3	23520.4	14576.65
load	N_300233672	constant_power_A_real	47040.8	0.0	23520.4	0.0
load	N_300233672	constant_power_B_real	47040.8	0.0	23520.4	0.0
load	N_300233672	constant_power_C_real	47040.8	0.0	23520.4	0.0
load	N_300233672	constant_power_A_reac	29153.3	0.0	14576.65	0.0
load	N_300233672	constant_power_B_reac	29153.3	0.0	14576.65	0.0
load	N_300233672	constant_power_C_reac	29153.3	0.0	14576.65	0.0
load	N_300004134	constant_power_A	25483.3	8375.95	12741.65	4187.975
load	N_300004134	constant_power_B	25483.3	8375.95	12741.65	4187.975
load	N_300004134	constant_power_A_real	25483.3	0.0	12741.65	0.0
load	N_300004134	constant_power_B_real	25483.3	0.0	12741.65	0.0
load	N_300004134	constant_power_A_reac	8375.95	0.0	4187.975	0.0
load	N_300004134	constant_power_B_reac	8375.95	0.0	4187.975	0.0
load	N_300062362	constant_power_A	1430.83	470.291	715.415	235.1455
load	N_300062362	constant_power_B	1430.83	470.291	715.415	235.1455
load	N_300062362	constant_power_C	1430.83	470.291	715.415	235.1455
load	N_300062362	constant_power_A_real	1430.83	0.0	715.415	0.0
load	N_300062362	constant_power_B_real	1430.83	0.0	715.415	0.0
load	N_300062362	constant_power_C_real	1430.83	0.0	715.415	0.0
load	N_300062362	constant_power_A_reac	470.291	0.0	235.1455	0.0
load	N_300062362	constant_power_B_reac	470.291	0.0	235.1455	0.0
load	N_300062362	constant_power_C_reac	470.291	0.0	235.1455	0.0
load	N_300062051	constant_power_A	22223.2	7304.4	11111.6	3652.2
load	N_300062051	constant_power_B	22223.2	7304.4	11111.6	3652.2
load	N_300062051	constant_power_C	22223.2	7304.4	11111.6	3652.2
load	N_300062051	constant_power_A_real	22223.2	0.0	11111.6	0.0
load	N_300062051	constant_power_B_real	22223.2	0.0	11111.6	0.0
load	N_300062051	constant_power_C_real	22223.2	0.0	11111.6	0.0
load	N_300062051	constant_power_A_reac	7304.4	0.0	3652.2	0.0
load	N_300062051	constant_power_B_reac	7304.4	0.0	3652.2	0.0
load	N_300062051	constant_power_C_reac	7304.4	0.0	3652.2	0.0
load	N_300062054	constant_power_A	15481.0	5088.37	7740.5	2544.185
load	N_300062054	constant_power_B	15481.0	5088.37	7740.5	2544.185
load	N_300062054	constant_power_C	15481.0	5088.37	7740.5	2544.185
load	N_300062054	constant_power_A_real	15481.0	0.0	7740.5	0.0
load	N_300062054	constant_power_B_real	15481.0	0.0	7740.5	0.0
load	N_300062054	constant_power_C_real	15481.0	0.0	7740.5	0.0
load	N_300062054	constant_power_A_reac	5088.37	0.0	2544.185	0.0
load	N_300062054	constant_power_B_reac	5088.37	0.0	2544.185	0.0
load	N_300062054	constant_power_C_reac	5088.37	0.0	2544.185	0.0
load	N_300062367	constant_power_A	21946.9	7213.61	10973.45	3606.805
load	N_300062367	constant_power_B	21946.9	7213.61	10973.45	3606.805
load	N_300062367	constant_power_C	21946.9	7213.61	10973.45	3606.805
load	N_300062367	constant_power_A_real	21946.9	0.0	10973.45	0.0
load	N_300062367	constant_power_B_real	21946.9	0.0	10973.45	0.0
load	N_300062367	constant_power_C_real	21946.9	0.0	10973.45	0.0
load	N_300062367	constant_power_A_reac	7213.61	0.0	3606.805	0.0
load	N_300062367	constant_power_B_reac	7213.61	0.0	3606.805	0.0
load	N_300062367	constant_power_C_reac	7213.61	0.0	3606.805	0.0
load	N_300062056	constant_power_A	21485.1	7061.81	10742.55	3530.905
load	N_300062056	constant_power_B	21485.1	7061.81	10742.55	3530.905
load	N_300062056	constant_power_C	21485.1	7061.81	10742.55	3530.905
load	N_300062056	constant_power_A_real	21485.1	0.0	10742.55	0.0
load	N_300062056	constant_power_B_real	21485.1	0.0	10742.55	0.0
load	N_300062056	constant_power_C_real	21485.1	0.0	10742.55	0.0
load	N_300062056	constant_power_A_reac	7061.81	0.0	3530.905	0.0
load	N_300062056	constant_power_B_reac	7061.81	0.0	3530.905	0.0
load	N_300062056	constant_power_C_reac	7061.81	0.0	3530.905	0.0
load	N_300062058	constant_power_A	21679.8	7125.81	10839.9	3562.905
load	N_300062058	constant_power_B	21679.8	7125.81	10839.9	3562.905

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300062058	constant_power_C	21679.8	7125.81	10839.9	3562.905
load	N_300062058	constant_power_A_real	21679.8	0.0	10839.9	0.0
load	N_300062058	constant_power_B_real	21679.8	0.0	10839.9	0.0
load	N_300062058	constant_power_C_real	21679.8	0.0	10839.9	0.0
load	N_300062058	constant_power_A_reac	7125.81	0.0	3562.905	0.0
load	N_300062058	constant_power_B_reac	7125.81	0.0	3562.905	0.0
load	N_300062058	constant_power_C_reac	7125.81	0.0	3562.905	0.0
load	N_300062059	constant_power_A	19076.2	6270.05	9538.1	3135.025
load	N_300062059	constant_power_B	19076.2	6270.05	9538.1	3135.025
load	N_300062059	constant_power_C	19076.2	6270.05	9538.1	3135.025
load	N_300062059	constant_power_A_real	19076.2	0.0	9538.1	0.0
load	N_300062059	constant_power_B_real	19076.2	0.0	9538.1	0.0
load	N_300062059	constant_power_C_real	19076.2	0.0	9538.1	0.0
load	N_300062059	constant_power_A_reac	6270.05	0.0	3135.025	0.0
load	N_300062059	constant_power_B_reac	6270.05	0.0	3135.025	0.0
load	N_300062059	constant_power_C_reac	6270.05	0.0	3135.025	0.0
load	N_300062369	constant_power_A	11573.4	3804.0	5786.7	1902.0
load	N_300062369	constant_power_B	11573.4	3804.0	5786.7	1902.0
load	N_300062369	constant_power_C	11573.4	3804.0	5786.7	1902.0
load	N_300062369	constant_power_A_real	11573.4	0.0	5786.7	0.0
load	N_300062369	constant_power_B_real	11573.4	0.0	5786.7	0.0
load	N_300062369	constant_power_C_real	11573.4	0.0	5786.7	0.0
load	N_300062369	constant_power_A_reac	3804.0	0.0	1902.0	0.0
load	N_300062369	constant_power_B_reac	3804.0	0.0	1902.0	0.0
load	N_300062369	constant_power_C_reac	3804.0	0.0	1902.0	0.0
load	N_300032019	constant_power_A	24715.8	8123.69	12357.9	4061.845
load	N_300032019	constant_power_C	24715.8	8123.69	12357.9	4061.845
load	N_300032019	constant_power_A_real	24715.8	0.0	12357.9	0.0
load	N_300032019	constant_power_C_real	24715.8	0.0	12357.9	0.0
load	N_300032019	constant_power_A_reac	8123.69	0.0	4061.845	0.0
load	N_300032019	constant_power_C_reac	8123.69	0.0	4061.845	0.0
load	N_300001849	constant_power_A	21919.8	13584.7	10959.9	6792.35
load	N_300001849	constant_power_B	21919.8	13584.7	10959.9	6792.35
load	N_300001849	constant_power_C	21919.8	13584.7	10959.9	6792.35
load	N_300001849	constant_power_A_real	21919.8	0.0	10959.9	0.0
load	N_300001849	constant_power_B_real	21919.8	0.0	10959.9	0.0
load	N_300001849	constant_power_C_real	21919.8	0.0	10959.9	0.0
load	N_300001849	constant_power_A_reac	13584.7	0.0	6792.35	0.0
load	N_300001849	constant_power_B_reac	13584.7	0.0	6792.35	0.0
load	N_300001849	constant_power_C_reac	13584.7	0.0	6792.35	0.0
load	N_300062392	constant_power_A	18827.2	6421.47	9413.6	3210.735
load	N_300062392	constant_power_B	18827.2	6421.47	9413.6	3210.735
load	N_300062392	constant_power_A_real	18827.2	0.0	9413.6	0.0
load	N_300062392	constant_power_B_real	18827.2	0.0	9413.6	0.0
load	N_300062392	constant_power_A_reac	6421.47	0.0	3210.735	0.0
load	N_300062392	constant_power_B_reac	6421.47	0.0	3210.735	0.0
load	N_300064567	constant_power_A	6049.33	3749.04	3024.665	1874.52
load	N_300064567	constant_power_B	6049.33	3749.04	3024.665	1874.52
load	N_300064567	constant_power_C	6049.33	3749.04	3024.665	1874.52
load	N_300064567	constant_power_A_real	6049.33	0.0	3024.665	0.0
load	N_300064567	constant_power_B_real	6049.33	0.0	3024.665	0.0
load	N_300064567	constant_power_C_real	6049.33	0.0	3024.665	0.0
load	N_300064567	constant_power_A_reac	3749.04	0.0	1874.52	0.0
load	N_300064567	constant_power_B_reac	3749.04	0.0	1874.52	0.0
load	N_300064567	constant_power_C_reac	3749.04	0.0	1874.52	0.0
load	N_300064565	constant_power_A	2408.87	1056.66	1204.435	528.33
load	N_300064565	constant_power_B	2408.87	1056.66	1204.435	528.33
load	N_300064565	constant_power_C	2408.87	1056.66	1204.435	528.33
load	N_300064565	constant_power_A_real	2408.87	0.0	1204.435	0.0
load	N_300064565	constant_power_B_real	2408.87	0.0	1204.435	0.0
load	N_300064565	constant_power_C_real	2408.87	0.0	1204.435	0.0
load	N_300064565	constant_power_A_reac	1056.66	0.0	528.33	0.0
load	N_300064565	constant_power_B_reac	1056.66	0.0	528.33	0.0

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300064565	constant_power_C_reac	1056.66	0.0	528.33	0.0
load	N_300062317	constant_power_B	28729.8	9443.03	14364.9	4721.515
load	N_300062317	constant_power_C	28729.8	9443.03	14364.9	4721.515
load	N_300062317	constant_power_B_real	28729.8	0.0	14364.9	0.0
load	N_300062317	constant_power_C_real	28729.8	0.0	14364.9	0.0
load	N_300062317	constant_power_B_reac	9443.03	0.0	4721.515	0.0
load	N_300062317	constant_power_C_reac	9443.03	0.0	4721.515	0.0
load	N_300062064	constant_power_A	6705.89	2204.12	3352.945	1102.06
load	N_300062064	constant_power_B	6705.89	2204.12	3352.945	1102.06
load	N_300062064	constant_power_C	6705.89	2204.12	3352.945	1102.06
load	N_300062064	constant_power_A_real	6705.89	0.0	3352.945	0.0
load	N_300062064	constant_power_B_real	6705.89	0.0	3352.945	0.0
load	N_300062064	constant_power_C_real	6705.89	0.0	3352.945	0.0
load	N_300062064	constant_power_A_reac	2204.12	0.0	1102.06	0.0
load	N_300062064	constant_power_B_reac	2204.12	0.0	1102.06	0.0
load	N_300062064	constant_power_C_reac	2204.12	0.0	1102.06	0.0
load	N_300062315	constant_power_B	29361.5	9650.64	14680.75	4825.32
load	N_300062315	constant_power_C	29361.5	9650.64	14680.75	4825.32
load	N_300062315	constant_power_B_real	29361.5	0.0	14680.75	0.0
load	N_300062315	constant_power_C_real	29361.5	0.0	14680.75	0.0
load	N_300062315	constant_power_B_reac	9650.64	0.0	4825.32	0.0
load	N_300062315	constant_power_C_reac	9650.64	0.0	4825.32	0.0
load	N_300062066	constant_power_A	33925.6	11150.8	16962.8	5575.4
load	N_300062066	constant_power_C	33925.6	11150.8	16962.8	5575.4
load	N_300062066	constant_power_A_real	33925.6	0.0	16962.8	0.0
load	N_300062066	constant_power_C_real	33925.6	0.0	16962.8	0.0
load	N_300062066	constant_power_A_reac	11150.8	0.0	5575.4	0.0
load	N_300062066	constant_power_C_reac	11150.8	0.0	5575.4	0.0
load	N_300062060	constant_power_A	16468.1	5412.81	8234.05	2706.405
load	N_300062060	constant_power_B	16468.1	5412.81	8234.05	2706.405
load	N_300062060	constant_power_C	16468.1	5412.81	8234.05	2706.405
load	N_300062060	constant_power_A_real	16468.1	0.0	8234.05	0.0
load	N_300062060	constant_power_B_real	16468.1	0.0	8234.05	0.0
load	N_300062060	constant_power_C_real	16468.1	0.0	8234.05	0.0
load	N_300062060	constant_power_A_reac	5412.81	0.0	2706.405	0.0
load	N_300062060	constant_power_B_reac	5412.81	0.0	2706.405	0.0
load	N_300062060	constant_power_C_reac	5412.81	0.0	2706.405	0.0
load	N_300062063	constant_power_A	16128.5	5301.19	8064.25	2650.595
load	N_300062063	constant_power_B	16128.5	5301.19	8064.25	2650.595
load	N_300062063	constant_power_C	16128.5	5301.19	8064.25	2650.595
load	N_300062063	constant_power_A_real	16128.5	0.0	8064.25	0.0
load	N_300062063	constant_power_B_real	16128.5	0.0	8064.25	0.0
load	N_300062063	constant_power_C_real	16128.5	0.0	8064.25	0.0
load	N_300062063	constant_power_A_reac	5301.19	0.0	2650.595	0.0
load	N_300062063	constant_power_B_reac	5301.19	0.0	2650.595	0.0
load	N_300062063	constant_power_C_reac	5301.19	0.0	2650.595	0.0
load	N_300062310	constant_power_A	9893.56	3251.86	4946.78	1625.93
load	N_300062310	constant_power_B	9893.56	3251.86	4946.78	1625.93
load	N_300062310	constant_power_C	9893.56	3251.86	4946.78	1625.93
load	N_300062310	constant_power_A_real	9893.56	0.0	4946.78	0.0
load	N_300062310	constant_power_B_real	9893.56	0.0	4946.78	0.0
load	N_300062310	constant_power_C_real	9893.56	0.0	4946.78	0.0
load	N_300062310	constant_power_A_reac	3251.86	0.0	1625.93	0.0
load	N_300062310	constant_power_B_reac	3251.86	0.0	1625.93	0.0
load	N_300062310	constant_power_C_reac	3251.86	0.0	1625.93	0.0
load	N_300062068	constant_power_A	34924.0	11479.0	17462.0	5739.5
load	N_300062068	constant_power_C	34924.0	11479.0	17462.0	5739.5
load	N_300062068	constant_power_A_real	34924.0	0.0	17462.0	0.0
load	N_300062068	constant_power_C_real	34924.0	0.0	17462.0	0.0
load	N_300062068	constant_power_A_reac	11479.0	0.0	5739.5	0.0
load	N_300062068	constant_power_C_reac	11479.0	0.0	5739.5	0.0
load	N_300062503	constant_power_A	14349.1	4716.31	7174.55	2358.155
load	N_300062503	constant_power_B	14349.1	4716.31	7174.55	2358.155

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300062503	constant_power_C	14349.1	4716.31	7174.55	2358.155
load	N_300062503	constant_power_A_real	14349.1	0.0	7174.55	0.0
load	N_300062503	constant_power_B_real	14349.1	0.0	7174.55	0.0
load	N_300062503	constant_power_C_real	14349.1	0.0	7174.55	0.0
load	N_300062503	constant_power_A_reac	4716.31	0.0	2358.155	0.0
load	N_300062503	constant_power_B_reac	4716.31	0.0	2358.155	0.0
load	N_300062503	constant_power_C_reac	4716.31	0.0	2358.155	0.0
load	N_300062505	constant_power_A	13063.1	4293.64	6531.55	2146.82
load	N_300062505	constant_power_B	13063.1	4293.64	6531.55	2146.82
load	N_300062505	constant_power_C	13063.1	4293.64	6531.55	2146.82
load	N_300062505	constant_power_A_real	13063.1	0.0	6531.55	0.0
load	N_300062505	constant_power_B_real	13063.1	0.0	6531.55	0.0
load	N_300062505	constant_power_C_real	13063.1	0.0	6531.55	0.0
load	N_300062505	constant_power_A_reac	4293.64	0.0	2146.82	0.0
load	N_300062505	constant_power_B_reac	4293.64	0.0	2146.82	0.0
load	N_300062505	constant_power_C_reac	4293.64	0.0	2146.82	0.0
load	N_300062065	constant_power_A	18138.9	6066.1	9069.45	3033.05
load	N_300062065	constant_power_B	18138.9	6066.1	9069.45	3033.05
load	N_300062065	constant_power_C	18138.9	6066.1	9069.45	3033.05
load	N_300062065	constant_power_A_real	18138.9	0.0	9069.45	0.0
load	N_300062065	constant_power_B_real	18138.9	0.0	9069.45	0.0
load	N_300062065	constant_power_C_real	18138.9	0.0	9069.45	0.0
load	N_300062065	constant_power_A_reac	6066.1	0.0	3033.05	0.0
load	N_300062065	constant_power_B_reac	6066.1	0.0	3033.05	0.0
load	N_300062065	constant_power_C_reac	6066.1	0.0	3033.05	0.0
load	N_300062389	constant_power_A	21313.0	7005.26	10656.5	3502.63
load	N_300062389	constant_power_B	21313.0	7005.26	10656.5	3502.63
load	N_300062389	constant_power_A_real	21313.0	0.0	10656.5	0.0
load	N_300062389	constant_power_B_real	21313.0	0.0	10656.5	0.0
load	N_300062389	constant_power_A_reac	7005.26	0.0	3502.63	0.0
load	N_300062389	constant_power_B_reac	7005.26	0.0	3502.63	0.0
load	N_300020632	constant_power_A	5533.15	1989.99	2766.575	994.995
load	N_300020632	constant_power_B	5533.15	1989.99	2766.575	994.995
load	N_300020632	constant_power_C	5533.15	1989.99	2766.575	994.995
load	N_300020632	constant_power_A_real	5533.15	0.0	2766.575	0.0
load	N_300020632	constant_power_B_real	5533.15	0.0	2766.575	0.0
load	N_300020632	constant_power_C_real	5533.15	0.0	2766.575	0.0
load	N_300020632	constant_power_A_reac	1989.99	0.0	994.995	0.0
load	N_300020632	constant_power_B_reac	1989.99	0.0	994.995	0.0
load	N_300020632	constant_power_C_reac	1989.99	0.0	994.995	0.0
load	N_300062385	constant_power_B	19384.1	6371.26	9692.05	3185.63
load	N_300062385	constant_power_C	19384.1	6371.26	9692.05	3185.63
load	N_300062385	constant_power_B_real	19384.1	0.0	9692.05	0.0
load	N_300062385	constant_power_C_real	19384.1	0.0	9692.05	0.0
load	N_300062385	constant_power_B_reac	6371.26	0.0	3185.63	0.0
load	N_300062385	constant_power_C_reac	6371.26	0.0	3185.63	0.0
load	N_300062387	constant_power_A	21740.9	7145.9	10870.45	3572.95
load	N_300062387	constant_power_B	21740.9	7145.9	10870.45	3572.95
load	N_300062387	constant_power_A_real	21740.9	0.0	10870.45	0.0
load	N_300062387	constant_power_B_real	21740.9	0.0	10870.45	0.0
load	N_300062387	constant_power_A_reac	7145.9	0.0	3572.95	0.0
load	N_300062387	constant_power_B_reac	7145.9	0.0	3572.95	0.0
load	N_300062067	constant_power_A	37355.5	12278.2	18677.75	6139.1
load	N_300062067	constant_power_C	37355.5	12278.2	18677.75	6139.1
load	N_300062067	constant_power_A_real	37355.5	0.0	18677.75	0.0
load	N_300062067	constant_power_C_real	37355.5	0.0	18677.75	0.0
load	N_300062067	constant_power_A_reac	12278.2	0.0	6139.1	0.0
load	N_300062067	constant_power_C_reac	12278.2	0.0	6139.1	0.0
load	N_300062382	constant_power_B	21285.9	6996.33	10642.95	3498.165
load	N_300062382	constant_power_C	21285.9	6996.33	10642.95	3498.165
load	N_300062382	constant_power_B_real	21285.9	0.0	10642.95	0.0
load	N_300062382	constant_power_C_real	21285.9	0.0	10642.95	0.0
load	N_300062382	constant_power_B_reac	6996.33	0.0	3498.165	0.0

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300062382	constant_power_C_reac	6996.33	0.0	3498.165	0.0
load	N_300062073	constant_power_A	13122.0	4312.99	6561.0	2156.495
load	N_300062073	constant_power_C	13122.0	4312.99	6561.0	2156.495
load	N_300062073	constant_power_A_real	13122.0	0.0	6561.0	0.0
load	N_300062073	constant_power_C_real	13122.0	0.0	6561.0	0.0
load	N_300062073	constant_power_A_reac	4312.99	0.0	2156.495	0.0
load	N_300062073	constant_power_C_reac	4312.99	0.0	2156.495	0.0
load	N_300062071	constant_power_A	29225.6	9606.0	14612.8	4803.0
load	N_300062071	constant_power_C	29225.6	9606.0	14612.8	4803.0
load	N_300062071	constant_power_A_real	29225.6	0.0	14612.8	0.0
load	N_300062071	constant_power_C_real	29225.6	0.0	14612.8	0.0
load	N_300062071	constant_power_A_reac	9606.0	0.0	4803.0	0.0
load	N_300062071	constant_power_C_reac	9606.0	0.0	4803.0	0.0
load	N_300062312	constant_power_A	20273.9	6857.43	10136.95	3428.715
load	N_300062312	constant_power_B	20273.9	6857.43	10136.95	3428.715
load	N_300062312	constant_power_A_real	20273.9	0.0	10136.95	0.0
load	N_300062312	constant_power_B_real	20273.9	0.0	10136.95	0.0
load	N_300062312	constant_power_A_reac	6857.43	0.0	3428.715	0.0
load	N_300062312	constant_power_B_reac	6857.43	0.0	3428.715	0.0
load	N_300062300	constant_power_A	12918.2	4246.02	6459.1	2123.01
load	N_300062300	constant_power_B	12918.2	4246.02	6459.1	2123.01
load	N_300062300	constant_power_C	12918.2	4246.02	6459.1	2123.01
load	N_300062300	constant_power_A_real	12918.2	0.0	6459.1	0.0
load	N_300062300	constant_power_B_real	12918.2	0.0	6459.1	0.0
load	N_300062300	constant_power_C_real	12918.2	0.0	6459.1	0.0
load	N_300062300	constant_power_A_reac	4246.02	0.0	2123.01	0.0
load	N_300062300	constant_power_B_reac	4246.02	0.0	2123.01	0.0
load	N_300062300	constant_power_C_reac	4246.02	0.0	2123.01	0.0
load	N_300062301	constant_power_A	13678.9	4496.04	6839.45	2248.02
load	N_300062301	constant_power_B	13678.9	4496.04	6839.45	2248.02
load	N_300062301	constant_power_C	13678.9	4496.04	6839.45	2248.02
load	N_300062301	constant_power_A_real	13678.9	0.0	6839.45	0.0
load	N_300062301	constant_power_B_real	13678.9	0.0	6839.45	0.0
load	N_300062301	constant_power_C_real	13678.9	0.0	6839.45	0.0
load	N_300062301	constant_power_A_reac	4496.04	0.0	2248.02	0.0
load	N_300062301	constant_power_B_reac	4496.04	0.0	2248.02	0.0
load	N_300062301	constant_power_C_reac	4496.04	0.0	2248.02	0.0
load	N_300062302	constant_power_A	7330.74	2409.5	3665.37	1204.75
load	N_300062302	constant_power_B	7330.74	2409.5	3665.37	1204.75
load	N_300062302	constant_power_C	7330.74	2409.5	3665.37	1204.75
load	N_300062302	constant_power_A_real	7330.74	0.0	3665.37	0.0
load	N_300062302	constant_power_B_real	7330.74	0.0	3665.37	0.0
load	N_300062302	constant_power_C_real	7330.74	0.0	3665.37	0.0
load	N_300062302	constant_power_A_reac	2409.5	0.0	1204.75	0.0
load	N_300062302	constant_power_B_reac	2409.5	0.0	1204.75	0.0
load	N_300062302	constant_power_C_reac	2409.5	0.0	1204.75	0.0
load	N_300018096	constant_power_A	12166.6	3998.96	6083.3	1999.48
load	N_300018096	constant_power_B	12166.6	3998.96	6083.3	1999.48
load	N_300018096	constant_power_C	12166.6	3998.96	6083.3	1999.48
load	N_300018096	constant_power_A_real	12166.6	0.0	6083.3	0.0
load	N_300018096	constant_power_B_real	12166.6	0.0	6083.3	0.0
load	N_300018096	constant_power_C_real	12166.6	0.0	6083.3	0.0
load	N_300018096	constant_power_A_reac	3998.96	0.0	1999.48	0.0
load	N_300018096	constant_power_B_reac	3998.96	0.0	1999.48	0.0
load	N_300018096	constant_power_C_reac	3998.96	0.0	1999.48	0.0
load	N_300062062	constant_power_A	17179.0	5646.47	8589.5	2823.235
load	N_300062062	constant_power_B	17179.0	5646.47	8589.5	2823.235
load	N_300062062	constant_power_C	17179.0	5646.47	8589.5	2823.235
load	N_300062062	constant_power_A_real	17179.0	0.0	8589.5	0.0
load	N_300062062	constant_power_B_real	17179.0	0.0	8589.5	0.0
load	N_300062062	constant_power_C_real	17179.0	0.0	8589.5	0.0
load	N_300062062	constant_power_A_reac	5646.47	0.0	2823.235	0.0
load	N_300062062	constant_power_B_reac	5646.47	0.0	2823.235	0.0

Table 16: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_300062062	constant_power_C_reac	5646.47	0.0	2823.235	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800039845	constant_power_A	827.603	272.02	413.8015	136.01
load	N_1800039845	constant_power_B	827.603	272.02	413.8015	136.01
load	N_1800039845	constant_power_C	827.603	272.02	413.8015	136.01
load	N_1800039845	constant_power_A_real	827.603	0.0	413.8015	0.0
load	N_1800039845	constant_power_B_real	827.603	0.0	413.8015	0.0
load	N_1800039845	constant_power_C_real	827.603	0.0	413.8015	0.0
load	N_1800039845	constant_power_A_reac	272.02	0.0	136.01	0.0
load	N_1800039845	constant_power_B_reac	272.02	0.0	136.01	0.0
load	N_1800039845	constant_power_C_reac	272.02	0.0	136.01	0.0
load	N_1800070115	constant_power_A	1910.53	627.961	955.265	313.9805
load	N_1800070115	constant_power_B	1910.53	627.961	955.265	313.9805
load	N_1800070115	constant_power_A_real	1910.53	0.0	955.265	0.0
load	N_1800070115	constant_power_B_real	1910.53	0.0	955.265	0.0
load	N_1800070115	constant_power_A_reac	627.961	0.0	313.9805	0.0
load	N_1800070115	constant_power_B_reac	627.961	0.0	313.9805	0.0
load	N_1800061775	constant_power_A	20690.1	6800.5	10345.05	3400.25
load	N_1800061775	constant_power_A_real	20690.1	0.0	10345.05	0.0
load	N_1800061775	constant_power_A_reac	6800.5	0.0	3400.25	0.0
load	N_1800061774	constant_power_A	32681.5	10741.9	16340.75	5370.95
load	N_1800061774	constant_power_A_real	32681.5	0.0	16340.75	0.0
load	N_1800061774	constant_power_A_reac	10741.9	0.0	5370.95	0.0
load	N_1800073031	constant_power_A	1140.16	374.751	570.08	187.3755
load	N_1800073031	constant_power_B	1140.16	374.751	570.08	187.3755
load	N_1800073031	constant_power_A_real	1140.16	0.0	570.08	0.0
load	N_1800073031	constant_power_B_real	1140.16	0.0	570.08	0.0
load	N_1800073031	constant_power_A_reac	374.751	0.0	187.3755	0.0
load	N_1800073031	constant_power_B_reac	374.751	0.0	187.3755	0.0
load	N_1800073030	constant_power_A	2245.09	737.927	1122.545	368.9635
load	N_1800073030	constant_power_B	2245.09	737.927	1122.545	368.9635
load	N_1800073030	constant_power_A_real	2245.09	0.0	1122.545	0.0
load	N_1800073030	constant_power_B_real	2245.09	0.0	1122.545	0.0
load	N_1800073030	constant_power_A_reac	737.927	0.0	368.9635	0.0
load	N_1800073030	constant_power_B_reac	737.927	0.0	368.9635	0.0
load	N_1800073032	constant_power_A	3983.94	1309.46	1991.97	654.73
load	N_1800073032	constant_power_B	3983.94	1309.46	1991.97	654.73
load	N_1800073032	constant_power_A_real	3983.94	0.0	1991.97	0.0
load	N_1800073032	constant_power_B_real	3983.94	0.0	1991.97	0.0
load	N_1800073032	constant_power_A_reac	1309.46	0.0	654.73	0.0
load	N_1800073032	constant_power_B_reac	1309.46	0.0	654.73	0.0
load	N_1800190688	constant_power_A	7281.15	4512.45	3640.575	2256.225
load	N_1800190688	constant_power_B	7281.15	4512.45	3640.575	2256.225
load	N_1800190688	constant_power_C	7281.15	4512.45	3640.575	2256.225
load	N_1800190688	constant_power_A_real	7281.15	0.0	3640.575	0.0
load	N_1800190688	constant_power_B_real	7281.15	0.0	3640.575	0.0
load	N_1800190688	constant_power_C_real	7281.15	0.0	3640.575	0.0
load	N_1800190688	constant_power_A_reac	4512.45	0.0	2256.225	0.0
load	N_1800190688	constant_power_B_reac	4512.45	0.0	2256.225	0.0
load	N_1800190688	constant_power_C_reac	4512.45	0.0	2256.225	0.0
load	N_1800073036	constant_power_A	3077.1	1011.39	1538.55	505.695
load	N_1800073036	constant_power_B	3077.1	1011.39	1538.55	505.695
load	N_1800073036	constant_power_A_real	3077.1	0.0	1538.55	0.0
load	N_1800073036	constant_power_B_real	3077.1	0.0	1538.55	0.0
load	N_1800073036	constant_power_A_reac	1011.39	0.0	505.695	0.0
load	N_1800073036	constant_power_B_reac	1011.39	0.0	505.695	0.0
load	N_1800073039	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800073039	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800073039	constant_power_A_real	545.866	0.0	272.933	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073039	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800073039	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800073039	constant_power_B_reac	179.417	0.0	89.7085	0.0
load	N_1800061776	constant_power_A	10098.5	3319.22	5049.25	1659.61
load	N_1800061776	constant_power_A_real	10098.5	0.0	5049.25	0.0
load	N_1800061776	constant_power_A_reac	3319.22	0.0	1659.61	0.0
load	N_1800046139	constant_power_A	444.617	146.139	222.3085	73.0695
load	N_1800046139	constant_power_B	444.617	146.139	222.3085	73.0695
load	N_1800046139	constant_power_A_real	444.617	0.0	222.3085	0.0
load	N_1800046139	constant_power_B_real	444.617	0.0	222.3085	0.0
load	N_1800046139	constant_power_A_reac	146.139	0.0	73.0695	0.0
load	N_1800046139	constant_power_B_reac	146.139	0.0	73.0695	0.0
load	N_1800197008	constant_power_A	2024.99	1254.97	1012.495	627.485
load	N_1800197008	constant_power_B	2024.99	1254.97	1012.495	627.485
load	N_1800197008	constant_power_C	2024.99	1254.97	1012.495	627.485
load	N_1800197008	constant_power_A_real	2024.99	0.0	1012.495	0.0
load	N_1800197008	constant_power_B_real	2024.99	0.0	1012.495	0.0
load	N_1800197008	constant_power_C_real	2024.99	0.0	1012.495	0.0
load	N_1800197008	constant_power_A_reac	1254.97	0.0	627.485	0.0
load	N_1800197008	constant_power_B_reac	1254.97	0.0	627.485	0.0
load	N_1800197008	constant_power_C_reac	1254.97	0.0	627.485	0.0
load	N_1800068607	constant_power_A	5637.68	2673.9	2818.84	1336.95
load	N_1800068607	constant_power_B	5637.68	2673.9	2818.84	1336.95
load	N_1800068607	constant_power_C	5637.68	2673.9	2818.84	1336.95
load	N_1800068607	constant_power_A_real	5637.68	0.0	2818.84	0.0
load	N_1800068607	constant_power_B_real	5637.68	0.0	2818.84	0.0
load	N_1800068607	constant_power_C_real	5637.68	0.0	2818.84	0.0
load	N_1800068607	constant_power_A_reac	2673.9	0.0	1336.95	0.0
load	N_1800068607	constant_power_B_reac	2673.9	0.0	1336.95	0.0
load	N_1800068607	constant_power_C_reac	2673.9	0.0	1336.95	0.0
load	N_1800070709	constant_power_A	572.279	205.183	286.1395	102.5915
load	N_1800070709	constant_power_B	572.279	205.183	286.1395	102.5915
load	N_1800070709	constant_power_C	572.279	205.183	286.1395	102.5915
load	N_1800070709	constant_power_A_real	572.279	0.0	286.1395	0.0
load	N_1800070709	constant_power_B_real	572.279	0.0	286.1395	0.0
load	N_1800070709	constant_power_C_real	572.279	0.0	286.1395	0.0
load	N_1800070709	constant_power_A_reac	205.183	0.0	102.5915	0.0
load	N_1800070709	constant_power_B_reac	205.183	0.0	102.5915	0.0
load	N_1800070709	constant_power_C_reac	205.183	0.0	102.5915	0.0
load	N_1800069146	constant_power_A	1197.38	393.561	598.69	196.7805
load	N_1800069146	constant_power_B	1197.38	393.561	598.69	196.7805
load	N_1800069146	constant_power_A_real	1197.38	0.0	598.69	0.0
load	N_1800069146	constant_power_B_real	1197.38	0.0	598.69	0.0
load	N_1800069146	constant_power_A_reac	393.561	0.0	196.7805	0.0
load	N_1800069146	constant_power_B_reac	393.561	0.0	196.7805	0.0
load	N_1800031431	constant_power_A	1082.93	408.474	541.465	204.237
load	N_1800031431	constant_power_B	1082.93	408.474	541.465	204.237
load	N_1800031431	constant_power_A_real	1082.93	0.0	541.465	0.0
load	N_1800031431	constant_power_B_real	1082.93	0.0	541.465	0.0
load	N_1800031431	constant_power_A_reac	408.474	0.0	204.237	0.0
load	N_1800031431	constant_power_B_reac	408.474	0.0	204.237	0.0
load	N_1800031430	constant_power_A	6518.11	4039.56	3259.055	2019.78
load	N_1800031430	constant_power_B	6518.11	4039.56	3259.055	2019.78
load	N_1800031430	constant_power_C	6518.11	4039.56	3259.055	2019.78
load	N_1800031430	constant_power_A_real	6518.11	0.0	3259.055	0.0
load	N_1800031430	constant_power_B_real	6518.11	0.0	3259.055	0.0
load	N_1800031430	constant_power_C_real	6518.11	0.0	3259.055	0.0
load	N_1800031430	constant_power_A_reac	4039.56	0.0	2019.78	0.0
load	N_1800031430	constant_power_B_reac	4039.56	0.0	2019.78	0.0
load	N_1800031430	constant_power_C_reac	4039.56	0.0	2019.78	0.0
load	N_1800073729	constant_power_A	1543.69	507.385	771.845	253.6925
load	N_1800073729	constant_power_B	1543.69	507.385	771.845	253.6925
load	N_1800073729	constant_power_C	1543.69	507.385	771.845	253.6925

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073729	constant_power_A_real	1543.69	0.0	771.845	0.0
load	N_1800073729	constant_power_B_real	1543.69	0.0	771.845	0.0
load	N_1800073729	constant_power_C_real	1543.69	0.0	771.845	0.0
load	N_1800073729	constant_power_A_reac	507.385	0.0	253.6925	0.0
load	N_1800073729	constant_power_B_reac	507.385	0.0	253.6925	0.0
load	N_1800073729	constant_power_C_reac	507.385	0.0	253.6925	0.0
load	N_1800069140	constant_power_A	2312.59	760.113	1156.295	380.0565
load	N_1800069140	constant_power_B	2312.59	760.113	1156.295	380.0565
load	N_1800069140	constant_power_C	2312.59	760.113	1156.295	380.0565
load	N_1800069140	constant_power_A_real	2312.59	0.0	1156.295	0.0
load	N_1800069140	constant_power_B_real	2312.59	0.0	1156.295	0.0
load	N_1800069140	constant_power_C_real	2312.59	0.0	1156.295	0.0
load	N_1800069140	constant_power_A_reac	760.113	0.0	380.0565	0.0
load	N_1800069140	constant_power_B_reac	760.113	0.0	380.0565	0.0
load	N_1800069140	constant_power_C_reac	760.113	0.0	380.0565	0.0
load	N_1800069141	constant_power_A	1085.86	356.906	542.93	178.453
load	N_1800069141	constant_power_B	1085.86	356.906	542.93	178.453
load	N_1800069141	constant_power_C	1085.86	356.906	542.93	178.453
load	N_1800069141	constant_power_A_real	1085.86	0.0	542.93	0.0
load	N_1800069141	constant_power_B_real	1085.86	0.0	542.93	0.0
load	N_1800069141	constant_power_C_real	1085.86	0.0	542.93	0.0
load	N_1800069141	constant_power_A_reac	356.906	0.0	178.453	0.0
load	N_1800069141	constant_power_B_reac	356.906	0.0	178.453	0.0
load	N_1800069141	constant_power_C_reac	356.906	0.0	178.453	0.0
load	N_1800069739	constant_power_A	338.965	111.412	169.4825	55.706
load	N_1800069739	constant_power_B	338.965	111.412	169.4825	55.706
load	N_1800069739	constant_power_A_real	338.965	0.0	169.4825	0.0
load	N_1800069739	constant_power_B_real	338.965	0.0	169.4825	0.0
load	N_1800069739	constant_power_A_reac	111.412	0.0	55.706	0.0
load	N_1800069739	constant_power_B_reac	111.412	0.0	55.706	0.0
load	N_1800031438	constant_power_A	237.716	78.1335	118.858	39.06675
load	N_1800031438	constant_power_B	237.716	78.1335	118.858	39.06675
load	N_1800031438	constant_power_A_real	237.716	0.0	118.858	0.0
load	N_1800031438	constant_power_B_real	237.716	0.0	118.858	0.0
load	N_1800031438	constant_power_A_reac	78.1335	0.0	39.06675	0.0
load	N_1800031438	constant_power_B_reac	78.1335	0.0	39.06675	0.0
load	N_1800028045	constant_power_A	10603.3	6571.34	5301.65	3285.67
load	N_1800028045	constant_power_B	10603.3	6571.34	5301.65	3285.67
load	N_1800028045	constant_power_C	10603.3	6571.34	5301.65	3285.67
load	N_1800028045	constant_power_A_real	10603.3	0.0	5301.65	0.0
load	N_1800028045	constant_power_B_real	10603.3	0.0	5301.65	0.0
load	N_1800028045	constant_power_C_real	10603.3	0.0	5301.65	0.0
load	N_1800028045	constant_power_A_reac	6571.34	0.0	3285.67	0.0
load	N_1800028045	constant_power_B_reac	6571.34	0.0	3285.67	0.0
load	N_1800028045	constant_power_C_reac	6571.34	0.0	3285.67	0.0
load	N_1800069149	constant_power_A	1113.74	366.07	556.87	183.035
load	N_1800069149	constant_power_B	1113.74	366.07	556.87	183.035
load	N_1800069149	constant_power_A_real	1113.74	0.0	556.87	0.0
load	N_1800069149	constant_power_B_real	1113.74	0.0	556.87	0.0
load	N_1800069149	constant_power_A_reac	366.07	0.0	183.035	0.0
load	N_1800069149	constant_power_B_reac	366.07	0.0	183.035	0.0
load	N_1800003209	constant_power_A	880.429	289.383	440.2145	144.6915
load	N_1800003209	constant_power_B	880.429	289.383	440.2145	144.6915
load	N_1800003209	constant_power_A_real	880.429	0.0	440.2145	0.0
load	N_1800003209	constant_power_B_real	880.429	0.0	440.2145	0.0
load	N_1800003209	constant_power_A_reac	289.383	0.0	144.6915	0.0
load	N_1800003209	constant_power_B_reac	289.383	0.0	144.6915	0.0
load	N_1800073482	constant_power_A	4287.69	1409.3	2143.845	704.65
load	N_1800073482	constant_power_B	4287.69	1409.3	2143.845	704.65
load	N_1800073482	constant_power_A_real	4287.69	0.0	2143.845	0.0
load	N_1800073482	constant_power_B_real	4287.69	0.0	2143.845	0.0
load	N_1800073482	constant_power_A_reac	1409.3	0.0	704.65	0.0
load	N_1800073482	constant_power_B_reac	1409.3	0.0	704.65	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800003753	constant_power_A	8.80433	5.45644	4.402165	2.72822
load	N_1800003753	constant_power_B	8.80433	5.45644	4.402165	2.72822
load	N_1800003753	constant_power_C	8.80433	5.45644	4.402165	2.72822
load	N_1800003753	constant_power_A_real	8.80433	0.0	4.402165	0.0
load	N_1800003753	constant_power_B_real	8.80433	0.0	4.402165	0.0
load	N_1800003753	constant_power_C_real	8.80433	0.0	4.402165	0.0
load	N_1800003753	constant_power_A_reac	5.45644	0.0	2.72822	0.0
load	N_1800003753	constant_power_B_reac	5.45644	0.0	2.72822	0.0
load	N_1800003753	constant_power_C_reac	5.45644	0.0	2.72822	0.0
load	N_1800068353	constant_power_A	1232.6	405.136	616.3	202.568
load	N_1800068353	constant_power_B	1232.6	405.136	616.3	202.568
load	N_1800068353	constant_power_A_real	1232.6	0.0	616.3	0.0
load	N_1800068353	constant_power_B_real	1232.6	0.0	616.3	0.0
load	N_1800068353	constant_power_A_reac	405.136	0.0	202.568	0.0
load	N_1800068353	constant_power_B_reac	405.136	0.0	202.568	0.0
load	N_1800003205	constant_power_A	399.128	131.187	199.564	65.5935
load	N_1800003205	constant_power_B	399.128	131.187	199.564	65.5935
load	N_1800003205	constant_power_C	399.128	131.187	199.564	65.5935
load	N_1800003205	constant_power_A_real	399.128	0.0	199.564	0.0
load	N_1800003205	constant_power_B_real	399.128	0.0	199.564	0.0
load	N_1800003205	constant_power_C_real	399.128	0.0	199.564	0.0
load	N_1800003205	constant_power_A_reac	131.187	0.0	65.5935	0.0
load	N_1800003205	constant_power_B_reac	131.187	0.0	65.5935	0.0
load	N_1800003205	constant_power_C_reac	131.187	0.0	65.5935	0.0
load	N_1800003756	constant_power_A	1100.54	682.051	550.27	341.0255
load	N_1800003756	constant_power_B	1100.54	682.051	550.27	341.0255
load	N_1800003756	constant_power_C	1100.54	682.051	550.27	341.0255
load	N_1800003756	constant_power_A_real	1100.54	0.0	550.27	0.0
load	N_1800003756	constant_power_B_real	1100.54	0.0	550.27	0.0
load	N_1800003756	constant_power_C_real	1100.54	0.0	550.27	0.0
load	N_1800003756	constant_power_A_reac	682.051	0.0	341.0255	0.0
load	N_1800003756	constant_power_B_reac	682.051	0.0	341.0255	0.0
load	N_1800003756	constant_power_C_reac	682.051	0.0	341.0255	0.0
load	N_1800003754	constant_power_A	9904.83	5034.84	4952.415	2517.42
load	N_1800003754	constant_power_B	9904.83	5034.84	4952.415	2517.42
load	N_1800003754	constant_power_C	9904.83	5034.84	4952.415	2517.42
load	N_1800003754	constant_power_A_real	9904.83	0.0	4952.415	0.0
load	N_1800003754	constant_power_B_real	9904.83	0.0	4952.415	0.0
load	N_1800003754	constant_power_C_real	9904.83	0.0	4952.415	0.0
load	N_1800003754	constant_power_A_reac	5034.84	0.0	2517.42	0.0
load	N_1800003754	constant_power_B_reac	5034.84	0.0	2517.42	0.0
load	N_1800003754	constant_power_C_reac	5034.84	0.0	2517.42	0.0
load	N_1800206673	constant_power_A	1430.7	470.247	715.35	235.1235
load	N_1800206673	constant_power_B	1430.7	470.247	715.35	235.1235
load	N_1800206673	constant_power_A_real	1430.7	0.0	715.35	0.0
load	N_1800206673	constant_power_B_real	1430.7	0.0	715.35	0.0
load	N_1800206673	constant_power_A_reac	470.247	0.0	235.1235	0.0
load	N_1800206673	constant_power_B_reac	470.247	0.0	235.1235	0.0
load	N_1800033792	constant_power_A	5366.22	1763.79	2683.11	881.895
load	N_1800033792	constant_power_B	5366.22	1763.79	2683.11	881.895
load	N_1800033792	constant_power_A_real	5366.22	0.0	2683.11	0.0
load	N_1800033792	constant_power_B_real	5366.22	0.0	2683.11	0.0
load	N_1800033792	constant_power_A_reac	1763.79	0.0	881.895	0.0
load	N_1800033792	constant_power_B_reac	1763.79	0.0	881.895	0.0
load	N_1800002976	constant_power_A	11027.4	3624.52	5513.7	1812.26
load	N_1800002976	constant_power_B	11027.4	3624.52	5513.7	1812.26
load	N_1800002976	constant_power_A_real	11027.4	0.0	5513.7	0.0
load	N_1800002976	constant_power_B_real	11027.4	0.0	5513.7	0.0
load	N_1800002976	constant_power_A_reac	3624.52	0.0	1812.26	0.0
load	N_1800002976	constant_power_B_reac	3624.52	0.0	1812.26	0.0
load	N_1800188899	constant_power_A	13546.9	8395.6	6773.45	4197.8
load	N_1800188899	constant_power_B	13546.9	8395.6	6773.45	4197.8
load	N_1800188899	constant_power_C	13546.9	8395.6	6773.45	4197.8

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800188899	constant_power_A_real	13546.9	0.0	6773.45	0.0
load	N_1800188899	constant_power_B_real	13546.9	0.0	6773.45	0.0
load	N_1800188899	constant_power_C_real	13546.9	0.0	6773.45	0.0
load	N_1800188899	constant_power_A_reac	8395.6	0.0	4197.8	0.0
load	N_1800188899	constant_power_B_reac	8395.6	0.0	4197.8	0.0
load	N_1800188899	constant_power_C_reac	8395.6	0.0	4197.8	0.0
load	N_1800017243	constant_power_A	2650.09	881.293	1325.045	440.6465
load	N_1800017243	constant_power_B	2650.09	881.293	1325.045	440.6465
load	N_1800017243	constant_power_A_real	2650.09	0.0	1325.045	0.0
load	N_1800017243	constant_power_B_real	2650.09	0.0	1325.045	0.0
load	N_1800017243	constant_power_A_reac	881.293	0.0	440.6465	0.0
load	N_1800017243	constant_power_B_reac	881.293	0.0	440.6465	0.0
load	N_1800027105	constant_power_A	1109.34	364.623	554.67	182.3115
load	N_1800027105	constant_power_B	1109.34	364.623	554.67	182.3115
load	N_1800027105	constant_power_A_real	1109.34	0.0	554.67	0.0
load	N_1800027105	constant_power_B_real	1109.34	0.0	554.67	0.0
load	N_1800027105	constant_power_A_reac	364.623	0.0	182.3115	0.0
load	N_1800027105	constant_power_B_reac	364.623	0.0	182.3115	0.0
load	N_1800067826	constant_power_A	657.387	407.412	328.6935	203.706
load	N_1800067826	constant_power_B	657.387	407.412	328.6935	203.706
load	N_1800067826	constant_power_C	657.387	407.412	328.6935	203.706
load	N_1800067826	constant_power_A_real	657.387	0.0	328.6935	0.0
load	N_1800067826	constant_power_B_real	657.387	0.0	328.6935	0.0
load	N_1800067826	constant_power_C_real	657.387	0.0	328.6935	0.0
load	N_1800067826	constant_power_A_reac	407.412	0.0	203.706	0.0
load	N_1800067826	constant_power_B_reac	407.412	0.0	203.706	0.0
load	N_1800067826	constant_power_C_reac	407.412	0.0	203.706	0.0
load	N_1800067825	constant_power_A	114.456	70.9333	57.228	35.46665
load	N_1800067825	constant_power_B	114.456	70.9333	57.228	35.46665
load	N_1800067825	constant_power_C	114.456	70.9333	57.228	35.46665
load	N_1800067825	constant_power_A_real	114.456	0.0	57.228	0.0
load	N_1800067825	constant_power_B_real	114.456	0.0	57.228	0.0
load	N_1800067825	constant_power_C_real	114.456	0.0	57.228	0.0
load	N_1800067825	constant_power_A_reac	70.9333	0.0	35.46665	0.0
load	N_1800067825	constant_power_B_reac	70.9333	0.0	35.46665	0.0
load	N_1800067825	constant_power_C_reac	70.9333	0.0	35.46665	0.0
load	N_1800068308	constant_power_A	5499.75	3047.97	2749.875	1523.985
load	N_1800068308	constant_power_B	5499.75	3047.97	2749.875	1523.985
load	N_1800068308	constant_power_C	5499.75	3047.97	2749.875	1523.985
load	N_1800068308	constant_power_A_real	5499.75	0.0	2749.875	0.0
load	N_1800068308	constant_power_B_real	5499.75	0.0	2749.875	0.0
load	N_1800068308	constant_power_C_real	5499.75	0.0	2749.875	0.0
load	N_1800068308	constant_power_A_reac	3047.97	0.0	1523.985	0.0
load	N_1800068308	constant_power_B_reac	3047.97	0.0	1523.985	0.0
load	N_1800068308	constant_power_C_reac	3047.97	0.0	1523.985	0.0
load	N_1800001908	constant_power_A	2055.8	675.709	1027.9	337.8545
load	N_1800001908	constant_power_B	2055.8	675.709	1027.9	337.8545
load	N_1800001908	constant_power_A_real	2055.8	0.0	1027.9	0.0
load	N_1800001908	constant_power_B_real	2055.8	0.0	1027.9	0.0
load	N_1800001908	constant_power_A_reac	675.709	0.0	337.8545	0.0
load	N_1800001908	constant_power_B_reac	675.709	0.0	337.8545	0.0
load	N_1800068303	constant_power_A	3306.01	1086.63	1653.005	543.315
load	N_1800068303	constant_power_B	3306.01	1086.63	1653.005	543.315
load	N_1800068303	constant_power_A_real	3306.01	0.0	1653.005	0.0
load	N_1800068303	constant_power_B_real	3306.01	0.0	1653.005	0.0
load	N_1800068303	constant_power_A_reac	1086.63	0.0	543.315	0.0
load	N_1800068303	constant_power_B_reac	1086.63	0.0	543.315	0.0
load	N_1800068302	constant_power_A	1135.75	373.304	567.875	186.652
load	N_1800068302	constant_power_B	1135.75	373.304	567.875	186.652
load	N_1800068302	constant_power_A_real	1135.75	0.0	567.875	0.0
load	N_1800068302	constant_power_B_real	1135.75	0.0	567.875	0.0
load	N_1800068302	constant_power_A_reac	373.304	0.0	186.652	0.0
load	N_1800068302	constant_power_B_reac	373.304	0.0	186.652	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068301	constant_power_A	4578.23	1504.79	2289.115	752.395
load	N_1800068301	constant_power_B	4578.23	1504.79	2289.115	752.395
load	N_1800068301	constant_power_A_real	4578.23	0.0	2289.115	0.0
load	N_1800068301	constant_power_B_real	4578.23	0.0	2289.115	0.0
load	N_1800068301	constant_power_A_reac	1504.79	0.0	752.395	0.0
load	N_1800068301	constant_power_B_reac	1504.79	0.0	752.395	0.0
load	N_1800079742	constant_power_A	2654.49	872.49	1327.245	436.245
load	N_1800079742	constant_power_B	2654.49	872.49	1327.245	436.245
load	N_1800079742	constant_power_A_real	2654.49	0.0	1327.245	0.0
load	N_1800079742	constant_power_B_real	2654.49	0.0	1327.245	0.0
load	N_1800079742	constant_power_A_reac	872.49	0.0	436.245	0.0
load	N_1800079742	constant_power_B_reac	872.49	0.0	436.245	0.0
load	N_1800045967	constant_power_A	739.561	243.082	369.7805	121.541
load	N_1800045967	constant_power_C	739.561	243.082	369.7805	121.541
load	N_1800045967	constant_power_A_real	739.561	0.0	369.7805	0.0
load	N_1800045967	constant_power_C_real	739.561	0.0	369.7805	0.0
load	N_1800045967	constant_power_A_reac	243.082	0.0	121.541	0.0
load	N_1800045967	constant_power_C_reac	243.082	0.0	121.541	0.0
load	N_1800068305	constant_power_A	3235.58	1063.48	1617.79	531.74
load	N_1800068305	constant_power_B	3235.58	1063.48	1617.79	531.74
load	N_1800068305	constant_power_A_real	3235.58	0.0	1617.79	0.0
load	N_1800068305	constant_power_B_real	3235.58	0.0	1617.79	0.0
load	N_1800068305	constant_power_A_reac	1063.48	0.0	531.74	0.0
load	N_1800068305	constant_power_B_reac	1063.48	0.0	531.74	0.0
load	N_1800067828	constant_power_A	2655.96	872.972	1327.98	436.486
load	N_1800067828	constant_power_B	2655.96	872.972	1327.98	436.486
load	N_1800067828	constant_power_C	2655.96	872.972	1327.98	436.486
load	N_1800067828	constant_power_A_real	2655.96	0.0	1327.98	0.0
load	N_1800067828	constant_power_B_real	2655.96	0.0	1327.98	0.0
load	N_1800067828	constant_power_C_real	2655.96	0.0	1327.98	0.0
load	N_1800067828	constant_power_A_reac	872.972	0.0	436.486	0.0
load	N_1800067828	constant_power_B_reac	872.972	0.0	436.486	0.0
load	N_1800067828	constant_power_C_reac	872.972	0.0	436.486	0.0
load	N_1800039533	constant_power_A	1132.82	372.34	566.41	186.17
load	N_1800039533	constant_power_B	1132.82	372.34	566.41	186.17
load	N_1800039533	constant_power_C	1132.82	372.34	566.41	186.17
load	N_1800039533	constant_power_A_real	1132.82	0.0	566.41	0.0
load	N_1800039533	constant_power_B_real	1132.82	0.0	566.41	0.0
load	N_1800039533	constant_power_C_real	1132.82	0.0	566.41	0.0
load	N_1800039533	constant_power_A_reac	372.34	0.0	186.17	0.0
load	N_1800039533	constant_power_B_reac	372.34	0.0	186.17	0.0
load	N_1800039533	constant_power_C_reac	372.34	0.0	186.17	0.0
load	N_1800039536	constant_power_A	3433.67	1128.59	1716.835	564.295
load	N_1800039536	constant_power_B	3433.67	1128.59	1716.835	564.295
load	N_1800039536	constant_power_A_real	3433.67	0.0	1716.835	0.0
load	N_1800039536	constant_power_B_real	3433.67	0.0	1716.835	0.0
load	N_1800039536	constant_power_A_reac	1128.59	0.0	564.295	0.0
load	N_1800039536	constant_power_B_reac	1128.59	0.0	564.295	0.0
load	N_1800039537	constant_power_A	1440.97	473.624	720.485	236.812
load	N_1800039537	constant_power_B	1440.97	473.624	720.485	236.812
load	N_1800039537	constant_power_C	1440.97	473.624	720.485	236.812
load	N_1800039537	constant_power_A_real	1440.97	0.0	720.485	0.0
load	N_1800039537	constant_power_B_real	1440.97	0.0	720.485	0.0
load	N_1800039537	constant_power_C_real	1440.97	0.0	720.485	0.0
load	N_1800039537	constant_power_A_reac	473.624	0.0	236.812	0.0
load	N_1800039537	constant_power_B_reac	473.624	0.0	236.812	0.0
load	N_1800039537	constant_power_C_reac	473.624	0.0	236.812	0.0
load	N_1800039534	constant_power_A	490.106	161.09	245.053	80.545
load	N_1800039534	constant_power_B	490.106	161.09	245.053	80.545
load	N_1800039534	constant_power_C	490.106	161.09	245.053	80.545
load	N_1800039534	constant_power_A_real	490.106	0.0	245.053	0.0
load	N_1800039534	constant_power_B_real	490.106	0.0	245.053	0.0
load	N_1800039534	constant_power_C_real	490.106	0.0	245.053	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800039534	constant_power_A_reac	161.09	0.0	80.545	0.0
load	N_1800039534	constant_power_B_reac	161.09	0.0	80.545	0.0
load	N_1800039534	constant_power_C_reac	161.09	0.0	80.545	0.0
load	N_1800069091	constant_power_A	550.268	180.864	275.134	90.432
load	N_1800069091	constant_power_B	550.268	180.864	275.134	90.432
load	N_1800069091	constant_power_A_real	550.268	0.0	275.134	0.0
load	N_1800069091	constant_power_B_real	550.268	0.0	275.134	0.0
load	N_1800069091	constant_power_A_reac	180.864	0.0	90.432	0.0
load	N_1800069091	constant_power_B_reac	180.864	0.0	90.432	0.0
load	N_1800069540	constant_power_A	2429.99	798.697	1214.995	399.3485
load	N_1800069540	constant_power_B	2429.99	798.697	1214.995	399.3485
load	N_1800069540	constant_power_A_real	2429.99	0.0	1214.995	0.0
load	N_1800069540	constant_power_B_real	2429.99	0.0	1214.995	0.0
load	N_1800069540	constant_power_A_reac	798.697	0.0	399.3485	0.0
load	N_1800069540	constant_power_B_reac	798.697	0.0	399.3485	0.0
load	N_1800070092	constant_power_A	2051.4	674.263	1025.7	337.1315
load	N_1800070092	constant_power_B	2051.4	674.263	1025.7	337.1315
load	N_1800070092	constant_power_A_real	2051.4	0.0	1025.7	0.0
load	N_1800070092	constant_power_B_real	2051.4	0.0	1025.7	0.0
load	N_1800070092	constant_power_A_reac	674.263	0.0	337.1315	0.0
load	N_1800070092	constant_power_B_reac	674.263	0.0	337.1315	0.0
load	N_1800069095	constant_power_A	70.4343	23.1506	35.21715	11.5753
load	N_1800069095	constant_power_B	70.4343	23.1506	35.21715	11.5753
load	N_1800069095	constant_power_C	70.4343	23.1506	35.21715	11.5753
load	N_1800069095	constant_power_A_real	70.4343	0.0	35.21715	0.0
load	N_1800069095	constant_power_B_real	70.4343	0.0	35.21715	0.0
load	N_1800069095	constant_power_C_real	70.4343	0.0	35.21715	0.0
load	N_1800069095	constant_power_A_reac	23.1506	0.0	11.5753	0.0
load	N_1800069095	constant_power_B_reac	23.1506	0.0	11.5753	0.0
load	N_1800069095	constant_power_C_reac	23.1506	0.0	11.5753	0.0
load	N_1800069096	constant_power_A	1787.27	587.448	893.635	293.724
load	N_1800069096	constant_power_B	1787.27	587.448	893.635	293.724
load	N_1800069096	constant_power_C	1787.27	587.448	893.635	293.724
load	N_1800069096	constant_power_A_real	1787.27	0.0	893.635	0.0
load	N_1800069096	constant_power_B_real	1787.27	0.0	893.635	0.0
load	N_1800069096	constant_power_C_real	1787.27	0.0	893.635	0.0
load	N_1800069096	constant_power_A_reac	587.448	0.0	293.724	0.0
load	N_1800069096	constant_power_B_reac	587.448	0.0	293.724	0.0
load	N_1800069096	constant_power_C_reac	587.448	0.0	293.724	0.0
load	N_1800069099	constant_power_A	1509.94	651.328	754.97	325.664
load	N_1800069099	constant_power_B	1509.94	651.328	754.97	325.664
load	N_1800069099	constant_power_A_real	1509.94	0.0	754.97	0.0
load	N_1800069099	constant_power_B_real	1509.94	0.0	754.97	0.0
load	N_1800069099	constant_power_A_reac	651.328	0.0	325.664	0.0
load	N_1800069099	constant_power_B_reac	651.328	0.0	325.664	0.0
load	N_1800038121	constant_power_A	639.779	210.285	319.8895	105.1425
load	N_1800038121	constant_power_B	639.779	210.285	319.8895	105.1425
load	N_1800038121	constant_power_C	639.779	210.285	319.8895	105.1425
load	N_1800038121	constant_power_A_real	639.779	0.0	319.8895	0.0
load	N_1800038121	constant_power_B_real	639.779	0.0	319.8895	0.0
load	N_1800038121	constant_power_C_real	639.779	0.0	319.8895	0.0
load	N_1800038121	constant_power_A_reac	210.285	0.0	105.1425	0.0
load	N_1800038121	constant_power_B_reac	210.285	0.0	105.1425	0.0
load	N_1800038121	constant_power_C_reac	210.285	0.0	105.1425	0.0
load	N_1800044968	constant_power_A	1895.86	924.668	947.93	462.334
load	N_1800044968	constant_power_B	1895.86	924.668	947.93	462.334
load	N_1800044968	constant_power_C	1895.86	924.668	947.93	462.334
load	N_1800044968	constant_power_A_real	1895.86	0.0	947.93	0.0
load	N_1800044968	constant_power_B_real	1895.86	0.0	947.93	0.0
load	N_1800044968	constant_power_C_real	1895.86	0.0	947.93	0.0
load	N_1800044968	constant_power_A_reac	924.668	0.0	462.334	0.0
load	N_1800044968	constant_power_B_reac	924.668	0.0	462.334	0.0
load	N_1800044968	constant_power_C_reac	924.668	0.0	462.334	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800078460	constant_power_A	3473.29	1141.62	1736.645	570.81
load	N_1800078460	constant_power_B	3473.29	1141.62	1736.645	570.81
load	N_1800078460	constant_power_A_real	3473.29	0.0	1736.645	0.0
load	N_1800078460	constant_power_B_real	3473.29	0.0	1736.645	0.0
load	N_1800078460	constant_power_A_reac	1141.62	0.0	570.81	0.0
load	N_1800078460	constant_power_B_reac	1141.62	0.0	570.81	0.0
load	N_1800044961	constant_power_A	2805.63	1336.45	1402.815	668.225
load	N_1800044961	constant_power_B	2805.63	1336.45	1402.815	668.225
load	N_1800044961	constant_power_C	2805.63	1336.45	1402.815	668.225
load	N_1800044961	constant_power_A_real	2805.63	0.0	1402.815	0.0
load	N_1800044961	constant_power_B_real	2805.63	0.0	1402.815	0.0
load	N_1800044961	constant_power_C_real	2805.63	0.0	1402.815	0.0
load	N_1800044961	constant_power_A_reac	1336.45	0.0	668.225	0.0
load	N_1800044961	constant_power_B_reac	1336.45	0.0	668.225	0.0
load	N_1800044961	constant_power_C_reac	1336.45	0.0	668.225	0.0
load	N_1800044960	constant_power_A	5109.42	3166.54	2554.71	1583.27
load	N_1800044960	constant_power_B	5109.42	3166.54	2554.71	1583.27
load	N_1800044960	constant_power_C	5109.42	3166.54	2554.71	1583.27
load	N_1800044960	constant_power_A_real	5109.42	0.0	2554.71	0.0
load	N_1800044960	constant_power_B_real	5109.42	0.0	2554.71	0.0
load	N_1800044960	constant_power_C_real	5109.42	0.0	2554.71	0.0
load	N_1800044960	constant_power_A_reac	3166.54	0.0	1583.27	0.0
load	N_1800044960	constant_power_B_reac	3166.54	0.0	1583.27	0.0
load	N_1800044960	constant_power_C_reac	3166.54	0.0	1583.27	0.0
load	N_1800067797	constant_power_A	82.1733	50.9265	41.08665	25.46325
load	N_1800067797	constant_power_B	82.1733	50.9265	41.08665	25.46325
load	N_1800067797	constant_power_C	82.1733	50.9265	41.08665	25.46325
load	N_1800067797	constant_power_A_real	82.1733	0.0	41.08665	0.0
load	N_1800067797	constant_power_B_real	82.1733	0.0	41.08665	0.0
load	N_1800067797	constant_power_C_real	82.1733	0.0	41.08665	0.0
load	N_1800067797	constant_power_A_reac	50.9265	0.0	25.46325	0.0
load	N_1800067797	constant_power_B_reac	50.9265	0.0	25.46325	0.0
load	N_1800067797	constant_power_C_reac	50.9265	0.0	25.46325	0.0
load	N_1800044962	constant_power_A	4675.08	2897.35	2337.54	1448.675
load	N_1800044962	constant_power_B	4675.08	2897.35	2337.54	1448.675
load	N_1800044962	constant_power_C	4675.08	2897.35	2337.54	1448.675
load	N_1800044962	constant_power_A_real	4675.08	0.0	2337.54	0.0
load	N_1800044962	constant_power_B_real	4675.08	0.0	2337.54	0.0
load	N_1800044962	constant_power_C_real	4675.08	0.0	2337.54	0.0
load	N_1800044962	constant_power_A_reac	2897.35	0.0	1448.675	0.0
load	N_1800044962	constant_power_B_reac	2897.35	0.0	1448.675	0.0
load	N_1800044962	constant_power_C_reac	2897.35	0.0	1448.675	0.0
load	N_1800070670	constant_power_A	2377.16	781.334	1188.58	390.667
load	N_1800070670	constant_power_B	2377.16	781.334	1188.58	390.667
load	N_1800070670	constant_power_A_real	2377.16	0.0	1188.58	0.0
load	N_1800070670	constant_power_B_real	2377.16	0.0	1188.58	0.0
load	N_1800070670	constant_power_A_reac	781.334	0.0	390.667	0.0
load	N_1800070670	constant_power_B_reac	781.334	0.0	390.667	0.0
load	N_1800067792	constant_power_A	1552.49	510.279	776.245	255.1395
load	N_1800067792	constant_power_B	1552.49	510.279	776.245	255.1395
load	N_1800067792	constant_power_C	1552.49	510.279	776.245	255.1395
load	N_1800067792	constant_power_A_real	1552.49	0.0	776.245	0.0
load	N_1800067792	constant_power_B_real	1552.49	0.0	776.245	0.0
load	N_1800067792	constant_power_C_real	1552.49	0.0	776.245	0.0
load	N_1800067792	constant_power_A_reac	510.279	0.0	255.1395	0.0
load	N_1800067792	constant_power_B_reac	510.279	0.0	255.1395	0.0
load	N_1800067792	constant_power_C_reac	510.279	0.0	255.1395	0.0
load	N_1800071075	constant_power_A	1025.7	337.131	512.85	168.5655
load	N_1800071075	constant_power_B	1025.7	337.131	512.85	168.5655
load	N_1800071075	constant_power_A_real	1025.7	0.0	512.85	0.0
load	N_1800071075	constant_power_B_real	1025.7	0.0	512.85	0.0
load	N_1800071075	constant_power_A_reac	337.131	0.0	168.5655	0.0
load	N_1800071075	constant_power_B_reac	337.131	0.0	168.5655	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071074	constant_power_A	1197.38	394.842	598.69	197.421
load	N_1800071074	constant_power_B	1197.38	394.842	598.69	197.421
load	N_1800071074	constant_power_A_real	1197.38	0.0	598.69	0.0
load	N_1800071074	constant_power_B_real	1197.38	0.0	598.69	0.0
load	N_1800071074	constant_power_A_reac	394.842	0.0	197.421	0.0
load	N_1800071074	constant_power_B_reac	394.842	0.0	197.421	0.0
load	N_1800069898	constant_power_A	3279.6	1077.95	1639.8	538.975
load	N_1800069898	constant_power_B	3279.6	1077.95	1639.8	538.975
load	N_1800069898	constant_power_A_real	3279.6	0.0	1639.8	0.0
load	N_1800069898	constant_power_B_real	3279.6	0.0	1639.8	0.0
load	N_1800069898	constant_power_A_reac	1077.95	0.0	538.975	0.0
load	N_1800069898	constant_power_B_reac	1077.95	0.0	538.975	0.0
load	N_1800068543	constant_power_A	2496.02	1546.89	1248.01	773.445
load	N_1800068543	constant_power_B	2496.02	1546.89	1248.01	773.445
load	N_1800068543	constant_power_A_real	2496.02	0.0	1248.01	0.0
load	N_1800068543	constant_power_B_real	2496.02	0.0	1248.01	0.0
load	N_1800068543	constant_power_A_reac	1546.89	0.0	773.445	0.0
load	N_1800068543	constant_power_B_reac	1546.89	0.0	773.445	0.0
load	N_1800069891	constant_power_A	625.105	205.462	312.5525	102.731
load	N_1800069891	constant_power_B	625.105	205.462	312.5525	102.731
load	N_1800069891	constant_power_A_real	625.105	0.0	312.5525	0.0
load	N_1800069891	constant_power_B_real	625.105	0.0	312.5525	0.0
load	N_1800069891	constant_power_A_reac	205.462	0.0	102.731	0.0
load	N_1800069891	constant_power_B_reac	205.462	0.0	102.731	0.0
load	N_1800069892	constant_power_A	1170.97	384.88	585.485	192.44
load	N_1800069892	constant_power_B	1170.97	384.88	585.485	192.44
load	N_1800069892	constant_power_A_real	1170.97	0.0	585.485	0.0
load	N_1800069892	constant_power_B_real	1170.97	0.0	585.485	0.0
load	N_1800069892	constant_power_A_reac	384.88	0.0	192.44	0.0
load	N_1800069892	constant_power_B_reac	384.88	0.0	192.44	0.0
load	N_1800069893	constant_power_A	3213.57	1056.25	1606.785	528.125
load	N_1800069893	constant_power_B	3213.57	1056.25	1606.785	528.125
load	N_1800069893	constant_power_A_real	3213.57	0.0	1606.785	0.0
load	N_1800069893	constant_power_B_real	3213.57	0.0	1606.785	0.0
load	N_1800069893	constant_power_A_reac	1056.25	0.0	528.125	0.0
load	N_1800069893	constant_power_B_reac	1056.25	0.0	528.125	0.0
load	N_1800069894	constant_power_A	5203.34	1710.25	2601.67	855.125
load	N_1800069894	constant_power_B	5203.34	1710.25	2601.67	855.125
load	N_1800069894	constant_power_A_real	5203.34	0.0	2601.67	0.0
load	N_1800069894	constant_power_B_real	5203.34	0.0	2601.67	0.0
load	N_1800069894	constant_power_A_reac	1710.25	0.0	855.125	0.0
load	N_1800069894	constant_power_B_reac	1710.25	0.0	855.125	0.0
load	N_1800069895	constant_power_A	2597.27	853.68	1298.635	426.84
load	N_1800069895	constant_power_B	2597.27	853.68	1298.635	426.84
load	N_1800069895	constant_power_A_real	2597.27	0.0	1298.635	0.0
load	N_1800069895	constant_power_B_real	2597.27	0.0	1298.635	0.0
load	N_1800069895	constant_power_A_reac	853.68	0.0	426.84	0.0
load	N_1800069895	constant_power_B_reac	853.68	0.0	426.84	0.0
load	N_1800069896	constant_power_A	1536.35	556.225	768.175	278.1125
load	N_1800069896	constant_power_B	1536.35	556.225	768.175	278.1125
load	N_1800069896	constant_power_A_real	1536.35	0.0	768.175	0.0
load	N_1800069896	constant_power_B_real	1536.35	0.0	768.175	0.0
load	N_1800069896	constant_power_A_reac	556.225	0.0	278.1125	0.0
load	N_1800069896	constant_power_B_reac	556.225	0.0	278.1125	0.0
load	N_1800069897	constant_power_A	2385.96	784.228	1192.98	392.114
load	N_1800069897	constant_power_B	2385.96	784.228	1192.98	392.114
load	N_1800069897	constant_power_A_real	2385.96	0.0	1192.98	0.0
load	N_1800069897	constant_power_B_real	2385.96	0.0	1192.98	0.0
load	N_1800069897	constant_power_A_reac	784.228	0.0	392.114	0.0
load	N_1800069897	constant_power_B_reac	784.228	0.0	392.114	0.0
load	N_1800073505	constant_power_A	2918.62	959.305	1459.31	479.6525
load	N_1800073505	constant_power_B	2918.62	959.305	1459.31	479.6525
load	N_1800073505	constant_power_A_real	2918.62	0.0	1459.31	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073505	constant_power_B_real	2918.62	0.0	1459.31	0.0
load	N_1800073505	constant_power_A_reac	959.305	0.0	479.6525	0.0
load	N_1800073505	constant_power_B_reac	959.305	0.0	479.6525	0.0
load	N_1800073504	constant_power_A	1162.17	381.986	581.085	190.993
load	N_1800073504	constant_power_B	1162.17	381.986	581.085	190.993
load	N_1800073504	constant_power_A_real	1162.17	0.0	581.085	0.0
load	N_1800073504	constant_power_B_real	1162.17	0.0	581.085	0.0
load	N_1800073504	constant_power_A_reac	381.986	0.0	190.993	0.0
load	N_1800073504	constant_power_B_reac	381.986	0.0	190.993	0.0
load	N_1800073506	constant_power_A	493.04	162.054	246.52	81.027
load	N_1800073506	constant_power_B	493.04	162.054	246.52	81.027
load	N_1800073506	constant_power_A_real	493.04	0.0	246.52	0.0
load	N_1800073506	constant_power_B_real	493.04	0.0	246.52	0.0
load	N_1800073506	constant_power_A_reac	162.054	0.0	81.027	0.0
load	N_1800073506	constant_power_B_reac	162.054	0.0	81.027	0.0
load	N_1800069411	constant_power_A	2016.18	662.687	1008.09	331.3435
load	N_1800069411	constant_power_C	2016.18	662.687	1008.09	331.3435
load	N_1800069411	constant_power_A_real	2016.18	0.0	1008.09	0.0
load	N_1800069411	constant_power_C_real	2016.18	0.0	1008.09	0.0
load	N_1800069411	constant_power_A_reac	662.687	0.0	331.3435	0.0
load	N_1800069411	constant_power_C_reac	662.687	0.0	331.3435	0.0
load	N_1800073503	constant_power_A	4248.07	1396.27	2124.035	698.135
load	N_1800073503	constant_power_B	4248.07	1396.27	2124.035	698.135
load	N_1800073503	constant_power_A_real	4248.07	0.0	2124.035	0.0
load	N_1800073503	constant_power_B_real	4248.07	0.0	2124.035	0.0
load	N_1800073503	constant_power_A_reac	1396.27	0.0	698.135	0.0
load	N_1800073503	constant_power_B_reac	1396.27	0.0	698.135	0.0
load	N_1800068584	constant_power_A	6453.55	3999.55	3226.775	1999.775
load	N_1800068584	constant_power_B	6453.55	3999.55	3226.775	1999.775
load	N_1800068584	constant_power_A_real	6453.55	0.0	3226.775	0.0
load	N_1800068584	constant_power_B_real	6453.55	0.0	3226.775	0.0
load	N_1800068584	constant_power_A_reac	3999.55	0.0	1999.775	0.0
load	N_1800068584	constant_power_B_reac	3999.55	0.0	1999.775	0.0
load	N_1800038870	constant_power_A	3394.05	1115.57	1697.025	557.785
load	N_1800038870	constant_power_B	3394.05	1115.57	1697.025	557.785
load	N_1800038870	constant_power_A_real	3394.05	0.0	1697.025	0.0
load	N_1800038870	constant_power_B_real	3394.05	0.0	1697.025	0.0
load	N_1800038870	constant_power_A_reac	1115.57	0.0	557.785	0.0
load	N_1800038870	constant_power_B_reac	1115.57	0.0	557.785	0.0
load	N_1800038871	constant_power_A	1430.7	470.247	715.35	235.1235
load	N_1800038871	constant_power_B	1430.7	470.247	715.35	235.1235
load	N_1800038871	constant_power_A_real	1430.7	0.0	715.35	0.0
load	N_1800038871	constant_power_B_real	1430.7	0.0	715.35	0.0
load	N_1800038871	constant_power_A_reac	470.247	0.0	235.1235	0.0
load	N_1800038871	constant_power_B_reac	470.247	0.0	235.1235	0.0
load	N_1800038872	constant_power_A	1219.39	409.764	609.695	204.882
load	N_1800038872	constant_power_B	1219.39	409.764	609.695	204.882
load	N_1800038872	constant_power_A_real	1219.39	0.0	609.695	0.0
load	N_1800038872	constant_power_B_real	1219.39	0.0	609.695	0.0
load	N_1800038872	constant_power_A_reac	409.764	0.0	204.882	0.0
load	N_1800038872	constant_power_B_reac	409.764	0.0	204.882	0.0
load	N_1800072928	constant_power_A	2136.51	1324.09	1068.255	662.045
load	N_1800072928	constant_power_B	2136.51	1324.09	1068.255	662.045
load	N_1800072928	constant_power_C	2136.51	1324.09	1068.255	662.045
load	N_1800072928	constant_power_A_real	2136.51	0.0	1068.255	0.0
load	N_1800072928	constant_power_B_real	2136.51	0.0	1068.255	0.0
load	N_1800072928	constant_power_C_real	2136.51	0.0	1068.255	0.0
load	N_1800072928	constant_power_A_reac	1324.09	0.0	662.045	0.0
load	N_1800072928	constant_power_B_reac	1324.09	0.0	662.045	0.0
load	N_1800072928	constant_power_C_reac	1324.09	0.0	662.045	0.0
load	N_1800069117	constant_power_A	3143.13	1033.1	1571.565	516.55
load	N_1800069117	constant_power_B	3143.13	1033.1	1571.565	516.55
load	N_1800069117	constant_power_A_real	3143.13	0.0	1571.565	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069117	constant_power_B_real	3143.13	0.0	1571.565	0.0
load	N_1800069117	constant_power_A_reac	1033.1	0.0	516.55	0.0
load	N_1800069117	constant_power_B_reac	1033.1	0.0	516.55	0.0
load	N_1800068854	constant_power_A	2896.61	952.07	1448.305	476.035
load	N_1800068854	constant_power_C	2896.61	952.07	1448.305	476.035
load	N_1800068854	constant_power_A_real	2896.61	0.0	1448.305	0.0
load	N_1800068854	constant_power_C_real	2896.61	0.0	1448.305	0.0
load	N_1800068854	constant_power_A_reac	952.07	0.0	476.035	0.0
load	N_1800068854	constant_power_C_reac	952.07	0.0	476.035	0.0
load	N_1800070208	constant_power_A	1851.84	608.669	925.92	304.3345
load	N_1800070208	constant_power_B	1851.84	608.669	925.92	304.3345
load	N_1800070208	constant_power_C	1851.84	608.669	925.92	304.3345
load	N_1800070208	constant_power_A_real	1851.84	0.0	925.92	0.0
load	N_1800070208	constant_power_B_real	1851.84	0.0	925.92	0.0
load	N_1800070208	constant_power_C_real	1851.84	0.0	925.92	0.0
load	N_1800070208	constant_power_A_reac	608.669	0.0	304.3345	0.0
load	N_1800070208	constant_power_B_reac	608.669	0.0	304.3345	0.0
load	N_1800070208	constant_power_C_reac	608.669	0.0	304.3345	0.0
load	N_1800069859	constant_power_A	1426.3	468.8	713.15	234.4
load	N_1800069859	constant_power_B	1426.3	468.8	713.15	234.4
load	N_1800069859	constant_power_A_real	1426.3	0.0	713.15	0.0
load	N_1800069859	constant_power_B_real	1426.3	0.0	713.15	0.0
load	N_1800069859	constant_power_A_reac	468.8	0.0	234.4	0.0
load	N_1800069859	constant_power_B_reac	468.8	0.0	234.4	0.0
load	N_1800039406	constant_power_A	1214.99	399.349	607.495	199.6745
load	N_1800039406	constant_power_B	1214.99	399.349	607.495	199.6745
load	N_1800039406	constant_power_A_real	1214.99	0.0	607.495	0.0
load	N_1800039406	constant_power_B_real	1214.99	0.0	607.495	0.0
load	N_1800039406	constant_power_A_reac	399.349	0.0	199.6745	0.0
load	N_1800039406	constant_power_B_reac	399.349	0.0	199.6745	0.0
load	N_1800069913	constant_power_A	52.8257	32.7384	26.41285	16.3692
load	N_1800069913	constant_power_B	52.8257	32.7384	26.41285	16.3692
load	N_1800069913	constant_power_C	52.8257	32.7384	26.41285	16.3692
load	N_1800069913	constant_power_A_real	52.8257	0.0	26.41285	0.0
load	N_1800069913	constant_power_B_real	52.8257	0.0	26.41285	0.0
load	N_1800069913	constant_power_C_real	52.8257	0.0	26.41285	0.0
load	N_1800069913	constant_power_A_reac	32.7384	0.0	16.3692	0.0
load	N_1800069913	constant_power_B_reac	32.7384	0.0	16.3692	0.0
load	N_1800069913	constant_power_C_reac	32.7384	0.0	16.3692	0.0
load	N_1800069438	constant_power_A	664.724	218.484	332.362	109.242
load	N_1800069438	constant_power_C	664.724	218.484	332.362	109.242
load	N_1800069438	constant_power_A_real	664.724	0.0	332.362	0.0
load	N_1800069438	constant_power_C_real	664.724	0.0	332.362	0.0
load	N_1800069438	constant_power_A_reac	218.484	0.0	109.242	0.0
load	N_1800069438	constant_power_C_reac	218.484	0.0	109.242	0.0
load	N_1800069439	constant_power_A	876.027	287.936	438.0135	143.968
load	N_1800069439	constant_power_C	876.027	287.936	438.0135	143.968
load	N_1800069439	constant_power_A_real	876.027	0.0	438.0135	0.0
load	N_1800069439	constant_power_C_real	876.027	0.0	438.0135	0.0
load	N_1800069439	constant_power_A_reac	287.936	0.0	143.968	0.0
load	N_1800069439	constant_power_C_reac	287.936	0.0	143.968	0.0
load	N_1800009268	constant_power_A	842.277	276.843	421.1385	138.4215
load	N_1800009268	constant_power_B	842.277	276.843	421.1385	138.4215
load	N_1800009268	constant_power_C	842.277	276.843	421.1385	138.4215
load	N_1800009268	constant_power_A_real	842.277	0.0	421.1385	0.0
load	N_1800009268	constant_power_B_real	842.277	0.0	421.1385	0.0
load	N_1800009268	constant_power_C_real	842.277	0.0	421.1385	0.0
load	N_1800009268	constant_power_A_reac	276.843	0.0	138.4215	0.0
load	N_1800009268	constant_power_B_reac	276.843	0.0	138.4215	0.0
load	N_1800009268	constant_power_C_reac	276.843	0.0	138.4215	0.0
load	N_1800069433	constant_power_A	642.713	211.25	321.3565	105.625
load	N_1800069433	constant_power_C	642.713	211.25	321.3565	105.625
load	N_1800069433	constant_power_A_real	642.713	0.0	321.3565	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069433	constant_power_C_real	642.713	0.0	321.3565	0.0
load	N_1800069433	constant_power_A_reac	211.25	0.0	105.625	0.0
load	N_1800069433	constant_power_C_reac	211.25	0.0	105.625	0.0
load	N_1800069431	constant_power_A	1738.85	571.532	869.425	285.766
load	N_1800069431	constant_power_C	1738.85	571.532	869.425	285.766
load	N_1800069431	constant_power_A_real	1738.85	0.0	869.425	0.0
load	N_1800069431	constant_power_C_real	1738.85	0.0	869.425	0.0
load	N_1800069431	constant_power_A_reac	571.532	0.0	285.766	0.0
load	N_1800069431	constant_power_C_reac	571.532	0.0	285.766	0.0
load	N_1800069436	constant_power_A	1122.55	368.963	561.275	184.4815
load	N_1800069436	constant_power_C	1122.55	368.963	561.275	184.4815
load	N_1800069436	constant_power_A_real	1122.55	0.0	561.275	0.0
load	N_1800069436	constant_power_C_real	1122.55	0.0	561.275	0.0
load	N_1800069436	constant_power_A_reac	368.963	0.0	184.4815	0.0
load	N_1800069436	constant_power_C_reac	368.963	0.0	184.4815	0.0
load	N_1800068940	constant_power_A	1259.01	413.818	629.505	206.909
load	N_1800068940	constant_power_B	1259.01	413.818	629.505	206.909
load	N_1800068940	constant_power_A_real	1259.01	0.0	629.505	0.0
load	N_1800068940	constant_power_B_real	1259.01	0.0	629.505	0.0
load	N_1800068940	constant_power_A_reac	413.818	0.0	206.909	0.0
load	N_1800068940	constant_power_B_reac	413.818	0.0	206.909	0.0
load	N_1800068943	constant_power_A	876.027	287.936	438.0135	143.968
load	N_1800068943	constant_power_B	876.027	287.936	438.0135	143.968
load	N_1800068943	constant_power_A_real	876.027	0.0	438.0135	0.0
load	N_1800068943	constant_power_B_real	876.027	0.0	438.0135	0.0
load	N_1800068943	constant_power_A_reac	287.936	0.0	143.968	0.0
load	N_1800068943	constant_power_B_reac	287.936	0.0	143.968	0.0
load	N_1800018800	constant_power_A	16000.0	9915.91	8000.0	4957.955
load	N_1800018800	constant_power_B	16000.0	9915.91	8000.0	4957.955
load	N_1800018800	constant_power_C	16000.0	9915.91	8000.0	4957.955
load	N_1800018800	constant_power_A_real	16000.0	0.0	8000.0	0.0
load	N_1800018800	constant_power_B_real	16000.0	0.0	8000.0	0.0
load	N_1800018800	constant_power_C_real	16000.0	0.0	8000.0	0.0
load	N_1800018800	constant_power_A_reac	9915.91	0.0	4957.955	0.0
load	N_1800018800	constant_power_B_reac	9915.91	0.0	4957.955	0.0
load	N_1800018800	constant_power_C_reac	9915.91	0.0	4957.955	0.0
load	N_1800012841	constant_power_A	708.746	232.954	354.373	116.477
load	N_1800012841	constant_power_B	708.746	232.954	354.373	116.477
load	N_1800012841	constant_power_A_real	708.746	0.0	354.373	0.0
load	N_1800012841	constant_power_B_real	708.746	0.0	354.373	0.0
load	N_1800012841	constant_power_A_reac	232.954	0.0	116.477	0.0
load	N_1800012841	constant_power_B_reac	232.954	0.0	116.477	0.0
load	N_1800012842	constant_power_A	589.888	193.887	294.944	96.9435
load	N_1800012842	constant_power_B	589.888	193.887	294.944	96.9435
load	N_1800012842	constant_power_A_real	589.888	0.0	294.944	0.0
load	N_1800012842	constant_power_B_real	589.888	0.0	294.944	0.0
load	N_1800012842	constant_power_A_reac	193.887	0.0	96.9435	0.0
load	N_1800012842	constant_power_B_reac	193.887	0.0	96.9435	0.0
load	N_1800012845	constant_power_A	331.628	109.001	165.814	54.5005
load	N_1800012845	constant_power_B	331.628	109.001	165.814	54.5005
load	N_1800012845	constant_power_C	331.628	109.001	165.814	54.5005
load	N_1800012845	constant_power_A_real	331.628	0.0	165.814	0.0
load	N_1800012845	constant_power_B_real	331.628	0.0	165.814	0.0
load	N_1800012845	constant_power_C_real	331.628	0.0	165.814	0.0
load	N_1800012845	constant_power_A_reac	109.001	0.0	54.5005	0.0
load	N_1800012845	constant_power_B_reac	109.001	0.0	54.5005	0.0
load	N_1800012845	constant_power_C_reac	109.001	0.0	54.5005	0.0
load	N_1800012844	constant_power_A	1625.86	534.394	812.93	267.197
load	N_1800012844	constant_power_B	1625.86	534.394	812.93	267.197
load	N_1800012844	constant_power_C	1625.86	534.394	812.93	267.197
load	N_1800012844	constant_power_A_real	1625.86	0.0	812.93	0.0
load	N_1800012844	constant_power_B_real	1625.86	0.0	812.93	0.0
load	N_1800012844	constant_power_C_real	1625.86	0.0	812.93	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800012844	constant_power_A_reac	534.394	0.0	267.197	0.0
load	N_1800012844	constant_power_B_reac	534.394	0.0	267.197	0.0
load	N_1800012844	constant_power_C_reac	534.394	0.0	267.197	0.0
load	N_1800004243	constant_power_A	3762.37	1236.63	1881.185	618.315
load	N_1800004243	constant_power_B	3762.37	1236.63	1881.185	618.315
load	N_1800004243	constant_power_C	3762.37	1236.63	1881.185	618.315
load	N_1800004243	constant_power_A_real	3762.37	0.0	1881.185	0.0
load	N_1800004243	constant_power_B_real	3762.37	0.0	1881.185	0.0
load	N_1800004243	constant_power_C_real	3762.37	0.0	1881.185	0.0
load	N_1800004243	constant_power_A_reac	1236.63	0.0	618.315	0.0
load	N_1800004243	constant_power_B_reac	1236.63	0.0	618.315	0.0
load	N_1800004243	constant_power_C_reac	1236.63	0.0	618.315	0.0
load	N_1800038904	constant_power_A	10934.9	3594.14	5467.45	1797.07
load	N_1800038904	constant_power_B	10934.9	3594.14	5467.45	1797.07
load	N_1800038904	constant_power_A_real	10934.9	0.0	5467.45	0.0
load	N_1800038904	constant_power_B_real	10934.9	0.0	5467.45	0.0
load	N_1800038904	constant_power_A_reac	3594.14	0.0	1797.07	0.0
load	N_1800038904	constant_power_B_reac	3594.14	0.0	1797.07	0.0
load	N_1800038905	constant_power_A	1316.24	432.628	658.12	216.314
load	N_1800038905	constant_power_B	1316.24	432.628	658.12	216.314
load	N_1800038905	constant_power_A_real	1316.24	0.0	658.12	0.0
load	N_1800038905	constant_power_B_real	1316.24	0.0	658.12	0.0
load	N_1800038905	constant_power_A_reac	432.628	0.0	216.314	0.0
load	N_1800038905	constant_power_B_reac	432.628	0.0	216.314	0.0
load	N_1800011389	constant_power_A	1104.94	684.78	552.47	342.39
load	N_1800011389	constant_power_B	1104.94	684.78	552.47	342.39
load	N_1800011389	constant_power_A_real	1104.94	0.0	552.47	0.0
load	N_1800011389	constant_power_B_real	1104.94	0.0	552.47	0.0
load	N_1800011389	constant_power_A_reac	684.78	0.0	342.39	0.0
load	N_1800011389	constant_power_B_reac	684.78	0.0	342.39	0.0
load	N_1800208435	constant_power_A	49.891	30.9197	24.9455	15.45985
load	N_1800208435	constant_power_B	49.891	30.9197	24.9455	15.45985
load	N_1800208435	constant_power_C	49.891	30.9197	24.9455	15.45985
load	N_1800208435	constant_power_A_real	49.891	0.0	24.9455	0.0
load	N_1800208435	constant_power_B_real	49.891	0.0	24.9455	0.0
load	N_1800208435	constant_power_C_real	49.891	0.0	24.9455	0.0
load	N_1800208435	constant_power_A_reac	30.9197	0.0	15.45985	0.0
load	N_1800208435	constant_power_B_reac	30.9197	0.0	15.45985	0.0
load	N_1800208435	constant_power_C_reac	30.9197	0.0	15.45985	0.0
load	N_1800013717	constant_power_A	1650.81	542.593	825.405	271.2965
load	N_1800013717	constant_power_B	1650.81	542.593	825.405	271.2965
load	N_1800013717	constant_power_A_real	1650.81	0.0	825.405	0.0
load	N_1800013717	constant_power_B_real	1650.81	0.0	825.405	0.0
load	N_1800013717	constant_power_A_reac	542.593	0.0	271.2965	0.0
load	N_1800013717	constant_power_B_reac	542.593	0.0	271.2965	0.0
load	N_1800071292	constant_power_A	1677.22	551.275	838.61	275.6375
load	N_1800071292	constant_power_B	1677.22	551.275	838.61	275.6375
load	N_1800071292	constant_power_A_real	1677.22	0.0	838.61	0.0
load	N_1800071292	constant_power_B_real	1677.22	0.0	838.61	0.0
load	N_1800071292	constant_power_A_reac	551.275	0.0	275.6375	0.0
load	N_1800071292	constant_power_B_reac	551.275	0.0	275.6375	0.0
load	N_1800071290	constant_power_A	528.258	173.63	264.129	86.815
load	N_1800071290	constant_power_B	528.258	173.63	264.129	86.815
load	N_1800071290	constant_power_A_real	528.258	0.0	264.129	0.0
load	N_1800071290	constant_power_B_real	528.258	0.0	264.129	0.0
load	N_1800071290	constant_power_A_reac	173.63	0.0	86.815	0.0
load	N_1800071290	constant_power_B_reac	173.63	0.0	86.815	0.0
load	N_1800036197	constant_power_A	3733.02	2313.52	1866.51	1156.76
load	N_1800036197	constant_power_B	3733.02	2313.52	1866.51	1156.76
load	N_1800036197	constant_power_C	3733.02	2313.52	1866.51	1156.76
load	N_1800036197	constant_power_A_real	3733.02	0.0	1866.51	0.0
load	N_1800036197	constant_power_B_real	3733.02	0.0	1866.51	0.0
load	N_1800036197	constant_power_C_real	3733.02	0.0	1866.51	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800036197	constant_power_A_reac	2313.52	0.0	1156.76	0.0
load	N_1800036197	constant_power_B_reac	2313.52	0.0	1156.76	0.0
load	N_1800036197	constant_power_C_reac	2313.52	0.0	1156.76	0.0
load	N_1800029469	constant_power_A	818.799	269.126	409.3995	134.563
load	N_1800029469	constant_power_B	818.799	269.126	409.3995	134.563
load	N_1800029469	constant_power_A_real	818.799	0.0	409.3995	0.0
load	N_1800029469	constant_power_B_real	818.799	0.0	409.3995	0.0
load	N_1800029469	constant_power_A_reac	269.126	0.0	134.563	0.0
load	N_1800029469	constant_power_B_reac	269.126	0.0	134.563	0.0
load	N_1800026112	constant_power_A	2654.49	872.49	1327.245	436.245
load	N_1800026112	constant_power_B	2654.49	872.49	1327.245	436.245
load	N_1800026112	constant_power_A_real	2654.49	0.0	1327.245	0.0
load	N_1800026112	constant_power_B_real	2654.49	0.0	1327.245	0.0
load	N_1800026112	constant_power_A_reac	872.49	0.0	436.245	0.0
load	N_1800026112	constant_power_B_reac	872.49	0.0	436.245	0.0
load	N_1800068054	constant_power_A	663.257	218.002	331.6285	109.001
load	N_1800068054	constant_power_B	663.257	218.002	331.6285	109.001
load	N_1800068054	constant_power_C	663.257	218.002	331.6285	109.001
load	N_1800068054	constant_power_A_real	663.257	0.0	331.6285	0.0
load	N_1800068054	constant_power_B_real	663.257	0.0	331.6285	0.0
load	N_1800068054	constant_power_C_real	663.257	0.0	331.6285	0.0
load	N_1800068054	constant_power_A_reac	218.002	0.0	109.001	0.0
load	N_1800068054	constant_power_B_reac	218.002	0.0	109.001	0.0
load	N_1800068054	constant_power_C_reac	218.002	0.0	109.001	0.0
load	N_1800068050	constant_power_A	8431.58	5225.42	4215.79	2612.71
load	N_1800068050	constant_power_B	8431.58	5225.42	4215.79	2612.71
load	N_1800068050	constant_power_C	8431.58	5225.42	4215.79	2612.71
load	N_1800068050	constant_power_A_real	8431.58	0.0	4215.79	0.0
load	N_1800068050	constant_power_B_real	8431.58	0.0	4215.79	0.0
load	N_1800068050	constant_power_C_real	8431.58	0.0	4215.79	0.0
load	N_1800068050	constant_power_A_reac	5225.42	0.0	2612.71	0.0
load	N_1800068050	constant_power_B_reac	5225.42	0.0	2612.71	0.0
load	N_1800068050	constant_power_C_reac	5225.42	0.0	2612.71	0.0
load	N_1800020453	constant_power_A	669.126	389.061	334.563	194.5305
load	N_1800020453	constant_power_B	669.126	389.061	334.563	194.5305
load	N_1800020453	constant_power_C	669.126	389.061	334.563	194.5305
load	N_1800020453	constant_power_A_real	669.126	0.0	334.563	0.0
load	N_1800020453	constant_power_B_real	669.126	0.0	334.563	0.0
load	N_1800020453	constant_power_C_real	669.126	0.0	334.563	0.0
load	N_1800020453	constant_power_A_reac	389.061	0.0	194.5305	0.0
load	N_1800020453	constant_power_B_reac	389.061	0.0	194.5305	0.0
load	N_1800020453	constant_power_C_reac	389.061	0.0	194.5305	0.0
load	N_1800004798	constant_power_A	206.901	128.226	103.4505	64.113
load	N_1800004798	constant_power_B	206.901	128.226	103.4505	64.113
load	N_1800004798	constant_power_A_real	206.901	0.0	103.4505	0.0
load	N_1800004798	constant_power_B_real	206.901	0.0	103.4505	0.0
load	N_1800004798	constant_power_A_reac	128.226	0.0	64.113	0.0
load	N_1800004798	constant_power_B_reac	128.226	0.0	64.113	0.0
load	N_1800011630	constant_power_A	1526.08	582.746	763.04	291.373
load	N_1800011630	constant_power_B	1526.08	582.746	763.04	291.373
load	N_1800011630	constant_power_C	1526.08	582.746	763.04	291.373
load	N_1800011630	constant_power_A_real	1526.08	0.0	763.04	0.0
load	N_1800011630	constant_power_B_real	1526.08	0.0	763.04	0.0
load	N_1800011630	constant_power_C_real	1526.08	0.0	763.04	0.0
load	N_1800011630	constant_power_A_reac	582.746	0.0	291.373	0.0
load	N_1800011630	constant_power_B_reac	582.746	0.0	291.373	0.0
load	N_1800011630	constant_power_C_reac	582.746	0.0	291.373	0.0
load	N_1800039570	constant_power_A	1712.43	562.85	856.215	281.425
load	N_1800039570	constant_power_B	1712.43	562.85	856.215	281.425
load	N_1800039570	constant_power_A_real	1712.43	0.0	856.215	0.0
load	N_1800039570	constant_power_B_real	1712.43	0.0	856.215	0.0
load	N_1800039570	constant_power_A_reac	562.85	0.0	281.425	0.0
load	N_1800039570	constant_power_B_reac	562.85	0.0	281.425	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800029468	constant_power_A	299.346	98.3903	149.673	49.19515
load	N_1800029468	constant_power_B	299.346	98.3903	149.673	49.19515
load	N_1800029468	constant_power_A_real	299.346	0.0	149.673	0.0
load	N_1800029468	constant_power_B_real	299.346	0.0	149.673	0.0
load	N_1800029468	constant_power_A_reac	98.3903	0.0	49.19515	0.0
load	N_1800029468	constant_power_B_reac	98.3903	0.0	49.19515	0.0
load	N_1800022630	constant_power_A	25244.8	15645.3	12622.4	7822.65
load	N_1800022630	constant_power_B	25244.8	15645.3	12622.4	7822.65
load	N_1800022630	constant_power_C	25244.8	15645.3	12622.4	7822.65
load	N_1800022630	constant_power_A_real	25244.8	0.0	12622.4	0.0
load	N_1800022630	constant_power_B_real	25244.8	0.0	12622.4	0.0
load	N_1800022630	constant_power_C_real	25244.8	0.0	12622.4	0.0
load	N_1800022630	constant_power_A_reac	15645.3	0.0	7822.65	0.0
load	N_1800022630	constant_power_B_reac	15645.3	0.0	7822.65	0.0
load	N_1800022630	constant_power_C_reac	15645.3	0.0	7822.65	0.0
load	N_1800010377	constant_power_A	1567.16	515.102	783.58	257.551
load	N_1800010377	constant_power_B	1567.16	515.102	783.58	257.551
load	N_1800010377	constant_power_A_real	1567.16	0.0	783.58	0.0
load	N_1800010377	constant_power_B_real	1567.16	0.0	783.58	0.0
load	N_1800010377	constant_power_A_reac	515.102	0.0	257.551	0.0
load	N_1800010377	constant_power_B_reac	515.102	0.0	257.551	0.0
load	N_1800203030	constant_power_A	2060.2	677.156	1030.1	338.578
load	N_1800203030	constant_power_B	2060.2	677.156	1030.1	338.578
load	N_1800203030	constant_power_A_real	2060.2	0.0	1030.1	0.0
load	N_1800203030	constant_power_B_real	2060.2	0.0	1030.1	0.0
load	N_1800203030	constant_power_A_reac	677.156	0.0	338.578	0.0
load	N_1800203030	constant_power_B_reac	677.156	0.0	338.578	0.0
load	N_1800077514	constant_power_A	287.607	178.243	143.8035	89.1215
load	N_1800077514	constant_power_B	287.607	178.243	143.8035	89.1215
load	N_1800077514	constant_power_C	287.607	178.243	143.8035	89.1215
load	N_1800077514	constant_power_A_real	287.607	0.0	143.8035	0.0
load	N_1800077514	constant_power_B_real	287.607	0.0	143.8035	0.0
load	N_1800077514	constant_power_C_real	287.607	0.0	143.8035	0.0
load	N_1800077514	constant_power_A_reac	178.243	0.0	89.1215	0.0
load	N_1800077514	constant_power_B_reac	178.243	0.0	89.1215	0.0
load	N_1800077514	constant_power_C_reac	178.243	0.0	89.1215	0.0
load	N_1800195519	constant_power_A	52.8257	32.7384	26.41285	16.3692
load	N_1800195519	constant_power_B	52.8257	32.7384	26.41285	16.3692
load	N_1800195519	constant_power_C	52.8257	32.7384	26.41285	16.3692
load	N_1800195519	constant_power_A_real	52.8257	0.0	26.41285	0.0
load	N_1800195519	constant_power_B_real	52.8257	0.0	26.41285	0.0
load	N_1800195519	constant_power_C_real	52.8257	0.0	26.41285	0.0
load	N_1800195519	constant_power_A_reac	32.7384	0.0	16.3692	0.0
load	N_1800195519	constant_power_B_reac	32.7384	0.0	16.3692	0.0
load	N_1800195519	constant_power_C_reac	32.7384	0.0	16.3692	0.0
load	N_1800067493	constant_power_A	449.019	147.585	224.5095	73.7925
load	N_1800067493	constant_power_B	449.019	147.585	224.5095	73.7925
load	N_1800067493	constant_power_A_real	449.019	0.0	224.5095	0.0
load	N_1800067493	constant_power_B_real	449.019	0.0	224.5095	0.0
load	N_1800067493	constant_power_A_reac	147.585	0.0	73.7925	0.0
load	N_1800067493	constant_power_B_reac	147.585	0.0	73.7925	0.0
load	N_1800067490	constant_power_A	2.93467	0.964578	1.467335	0.482289
load	N_1800067490	constant_power_B	2.93467	0.964578	1.467335	0.482289
load	N_1800067490	constant_power_C	2.93467	0.964578	1.467335	0.482289
load	N_1800067490	constant_power_A_real	2.93467	0.0	1.467335	0.0
load	N_1800067490	constant_power_B_real	2.93467	0.0	1.467335	0.0
load	N_1800067490	constant_power_C_real	2.93467	0.0	1.467335	0.0
load	N_1800067490	constant_power_A_reac	0.964578	0.0	0.482289	0.0
load	N_1800067490	constant_power_B_reac	0.964578	0.0	0.482289	0.0
load	N_1800067490	constant_power_C_reac	0.964578	0.0	0.482289	0.0
load	N_1800067491	constant_power_A	30.815	10.1284	15.4075	5.0642
load	N_1800067491	constant_power_B	30.815	10.1284	15.4075	5.0642
load	N_1800067491	constant_power_A_real	30.815	0.0	15.4075	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067491	constant_power_B_real	30.815	0.0	15.4075	0.0
load	N_1800067491	constant_power_A_reac	10.1284	0.0	5.0642	0.0
load	N_1800067491	constant_power_B_reac	10.1284	0.0	5.0642	0.0
load	N_1800020529	constant_power_A	1118.14	692.964	559.07	346.482
load	N_1800020529	constant_power_B	1118.14	692.964	559.07	346.482
load	N_1800020529	constant_power_C	1118.14	692.964	559.07	346.482
load	N_1800020529	constant_power_A_real	1118.14	0.0	559.07	0.0
load	N_1800020529	constant_power_B_real	1118.14	0.0	559.07	0.0
load	N_1800020529	constant_power_C_real	1118.14	0.0	559.07	0.0
load	N_1800020529	constant_power_A_reac	692.964	0.0	346.482	0.0
load	N_1800020529	constant_power_B_reac	692.964	0.0	346.482	0.0
load	N_1800020529	constant_power_C_reac	692.964	0.0	346.482	0.0
load	N_1800037120	constant_power_A	3512.91	1154.64	1756.455	577.32
load	N_1800037120	constant_power_B	3512.91	1154.64	1756.455	577.32
load	N_1800037120	constant_power_A_real	3512.91	0.0	1756.455	0.0
load	N_1800037120	constant_power_B_real	3512.91	0.0	1756.455	0.0
load	N_1800037120	constant_power_A_reac	1154.64	0.0	577.32	0.0
load	N_1800037120	constant_power_B_reac	1154.64	0.0	577.32	0.0
load	N_1800040457	constant_power_A	1408.69	493.764	704.345	246.882
load	N_1800040457	constant_power_B	1408.69	493.764	704.345	246.882
load	N_1800040457	constant_power_C	1408.69	493.764	704.345	246.882
load	N_1800040457	constant_power_A_real	1408.69	0.0	704.345	0.0
load	N_1800040457	constant_power_B_real	1408.69	0.0	704.345	0.0
load	N_1800040457	constant_power_C_real	1408.69	0.0	704.345	0.0
load	N_1800040457	constant_power_A_reac	493.764	0.0	246.882	0.0
load	N_1800040457	constant_power_B_reac	493.764	0.0	246.882	0.0
load	N_1800040457	constant_power_C_reac	493.764	0.0	246.882	0.0
load	N_1800073483	constant_power_A	4908.39	1613.31	2454.195	806.655
load	N_1800073483	constant_power_B	4908.39	1613.31	2454.195	806.655
load	N_1800073483	constant_power_A_real	4908.39	0.0	2454.195	0.0
load	N_1800073483	constant_power_B_real	4908.39	0.0	2454.195	0.0
load	N_1800073483	constant_power_A_reac	1613.31	0.0	806.655	0.0
load	N_1800073483	constant_power_B_reac	1613.31	0.0	806.655	0.0
load	N_1800040451	constant_power_A	1523.14	500.633	761.57	250.3165
load	N_1800040451	constant_power_B	1523.14	500.633	761.57	250.3165
load	N_1800040451	constant_power_C	1523.14	500.633	761.57	250.3165
load	N_1800040451	constant_power_A_real	1523.14	0.0	761.57	0.0
load	N_1800040451	constant_power_B_real	1523.14	0.0	761.57	0.0
load	N_1800040451	constant_power_C_real	1523.14	0.0	761.57	0.0
load	N_1800040451	constant_power_A_reac	500.633	0.0	250.3165	0.0
load	N_1800040451	constant_power_B_reac	500.633	0.0	250.3165	0.0
load	N_1800040451	constant_power_C_reac	500.633	0.0	250.3165	0.0
load	N_1800040450	constant_power_A	261.194	85.8503	130.597	42.92515
load	N_1800040450	constant_power_B	261.194	85.8503	130.597	42.92515
load	N_1800040450	constant_power_C	261.194	85.8503	130.597	42.92515
load	N_1800040450	constant_power_A_real	261.194	0.0	130.597	0.0
load	N_1800040450	constant_power_B_real	261.194	0.0	130.597	0.0
load	N_1800040450	constant_power_C_real	261.194	0.0	130.597	0.0
load	N_1800040450	constant_power_A_reac	85.8503	0.0	42.92515	0.0
load	N_1800040450	constant_power_B_reac	85.8503	0.0	42.92515	0.0
load	N_1800040450	constant_power_C_reac	85.8503	0.0	42.92515	0.0
load	N_1800040452	constant_power_A	1291.3	424.428	645.65	212.214
load	N_1800040452	constant_power_B	1291.3	424.428	645.65	212.214
load	N_1800040452	constant_power_C	1291.3	424.428	645.65	212.214
load	N_1800040452	constant_power_A_real	1291.3	0.0	645.65	0.0
load	N_1800040452	constant_power_B_real	1291.3	0.0	645.65	0.0
load	N_1800040452	constant_power_C_real	1291.3	0.0	645.65	0.0
load	N_1800040452	constant_power_A_reac	424.428	0.0	212.214	0.0
load	N_1800040452	constant_power_B_reac	424.428	0.0	212.214	0.0
load	N_1800040452	constant_power_C_reac	424.428	0.0	212.214	0.0
load	N_180004664	constant_power_A	592.822	194.851	296.411	97.4255
load	N_180004664	constant_power_B	592.822	194.851	296.411	97.4255
load	N_180004664	constant_power_C	592.822	194.851	296.411	97.4255

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800004664	constant_power_A_real	592.822	0.0	296.411	0.0
load	N_1800004664	constant_power_B_real	592.822	0.0	296.411	0.0
load	N_1800004664	constant_power_C_real	592.822	0.0	296.411	0.0
load	N_1800004664	constant_power_A_reac	194.851	0.0	97.4255	0.0
load	N_1800004664	constant_power_B_reac	194.851	0.0	97.4255	0.0
load	N_1800004664	constant_power_C_reac	194.851	0.0	97.4255	0.0
load	N_1800068459	constant_power_A	651.518	214.144	325.759	107.072
load	N_1800068459	constant_power_B	651.518	214.144	325.759	107.072
load	N_1800068459	constant_power_C	651.518	214.144	325.759	107.072
load	N_1800068459	constant_power_A_real	651.518	0.0	325.759	0.0
load	N_1800068459	constant_power_B_real	651.518	0.0	325.759	0.0
load	N_1800068459	constant_power_C_real	651.518	0.0	325.759	0.0
load	N_1800068459	constant_power_A_reac	214.144	0.0	107.072	0.0
load	N_1800068459	constant_power_B_reac	214.144	0.0	107.072	0.0
load	N_1800068459	constant_power_C_reac	214.144	0.0	107.072	0.0
load	N_1800037482	constant_power_A	3363.24	1105.44	1681.62	552.72
load	N_1800037482	constant_power_A_real	3363.24	0.0	1681.62	0.0
load	N_1800037482	constant_power_A_reac	1105.44	0.0	552.72	0.0
load	N_1800035477	constant_power_A	4833.56	1588.71	2416.78	794.355
load	N_1800035477	constant_power_B	4833.56	1588.71	2416.78	794.355
load	N_1800035477	constant_power_C	4833.56	1588.71	2416.78	794.355
load	N_1800035477	constant_power_A_real	4833.56	0.0	2416.78	0.0
load	N_1800035477	constant_power_B_real	4833.56	0.0	2416.78	0.0
load	N_1800035477	constant_power_C_real	4833.56	0.0	2416.78	0.0
load	N_1800035477	constant_power_A_reac	1588.71	0.0	794.355	0.0
load	N_1800035477	constant_power_B_reac	1588.71	0.0	794.355	0.0
load	N_1800035477	constant_power_C_reac	1588.71	0.0	794.355	0.0
load	N_1800045579	constant_power_A	3843.07	1263.16	1921.535	631.58
load	N_1800045579	constant_power_B	3843.07	1263.16	1921.535	631.58
load	N_1800045579	constant_power_A_real	3843.07	0.0	1921.535	0.0
load	N_1800045579	constant_power_B_real	3843.07	0.0	1921.535	0.0
load	N_1800045579	constant_power_A_reac	1263.16	0.0	631.58	0.0
load	N_1800045579	constant_power_B_reac	1263.16	0.0	631.58	0.0
load	N_1800067455	constant_power_A	2641.29	868.149	1320.645	434.0745
load	N_1800067455	constant_power_B	2641.29	868.149	1320.645	434.0745
load	N_1800067455	constant_power_A_real	2641.29	0.0	1320.645	0.0
load	N_1800067455	constant_power_B_real	2641.29	0.0	1320.645	0.0
load	N_1800067455	constant_power_A_reac	868.149	0.0	434.0745	0.0
load	N_1800067455	constant_power_B_reac	868.149	0.0	434.0745	0.0
load	N_1800037000	constant_power_A	1074.12	353.047	537.06	176.5235
load	N_1800037000	constant_power_B	1074.12	353.047	537.06	176.5235
load	N_1800037000	constant_power_A_real	1074.12	0.0	537.06	0.0
load	N_1800037000	constant_power_B_real	1074.12	0.0	537.06	0.0
load	N_1800037000	constant_power_A_reac	353.047	0.0	176.5235	0.0
load	N_1800037000	constant_power_B_reac	353.047	0.0	176.5235	0.0
load	N_1800068557	constant_power_A	1281.02	421.052	640.51	210.526
load	N_1800068557	constant_power_B	1281.02	421.052	640.51	210.526
load	N_1800068557	constant_power_A_real	1281.02	0.0	640.51	0.0
load	N_1800068557	constant_power_B_real	1281.02	0.0	640.51	0.0
load	N_1800068557	constant_power_A_reac	421.052	0.0	210.526	0.0
load	N_1800068557	constant_power_B_reac	421.052	0.0	210.526	0.0
load	N_1800069995	constant_power_A	1311.84	431.181	655.92	215.5905
load	N_1800069995	constant_power_B	1311.84	431.181	655.92	215.5905
load	N_1800069995	constant_power_A_real	1311.84	0.0	655.92	0.0
load	N_1800069995	constant_power_B_real	1311.84	0.0	655.92	0.0
load	N_1800069995	constant_power_A_reac	431.181	0.0	215.5905	0.0
load	N_1800069995	constant_power_B_reac	431.181	0.0	215.5905	0.0
load	N_1800069142	constant_power_A	355.106	220.075	177.553	110.0375
load	N_1800069142	constant_power_B	355.106	220.075	177.553	110.0375
load	N_1800069142	constant_power_C	355.106	220.075	177.553	110.0375
load	N_1800069142	constant_power_A_real	355.106	0.0	177.553	0.0
load	N_1800069142	constant_power_B_real	355.106	0.0	177.553	0.0
load	N_1800069142	constant_power_C_real	355.106	0.0	177.553	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069142	constant_power_A_reac	220.075	0.0	110.0375	0.0
load	N_1800069142	constant_power_B_reac	220.075	0.0	110.0375	0.0
load	N_1800069142	constant_power_C_reac	220.075	0.0	110.0375	0.0
load	N_1800067986	constant_power_A	848.147	278.772	424.0735	139.386
load	N_1800067986	constant_power_B	848.147	278.772	424.0735	139.386
load	N_1800067986	constant_power_C	848.147	278.772	424.0735	139.386
load	N_1800067986	constant_power_A_real	848.147	0.0	424.0735	0.0
load	N_1800067986	constant_power_B_real	848.147	0.0	424.0735	0.0
load	N_1800067986	constant_power_C_real	848.147	0.0	424.0735	0.0
load	N_1800067986	constant_power_A_reac	278.772	0.0	139.386	0.0
load	N_1800067986	constant_power_B_reac	278.772	0.0	139.386	0.0
load	N_1800067986	constant_power_C_reac	278.772	0.0	139.386	0.0
load	N_1800081435	constant_power_A	964.07	316.874	482.035	158.437
load	N_1800081435	constant_power_B	964.07	316.874	482.035	158.437
load	N_1800081435	constant_power_A_real	964.07	0.0	482.035	0.0
load	N_1800081435	constant_power_B_real	964.07	0.0	482.035	0.0
load	N_1800081435	constant_power_A_reac	316.874	0.0	158.437	0.0
load	N_1800081435	constant_power_B_reac	316.874	0.0	158.437	0.0
load	N_1800070594	constant_power_A	691.137	227.166	345.5685	113.583
load	N_1800070594	constant_power_B	691.137	227.166	345.5685	113.583
load	N_1800070594	constant_power_A_real	691.137	0.0	345.5685	0.0
load	N_1800070594	constant_power_B_real	691.137	0.0	345.5685	0.0
load	N_1800070594	constant_power_A_reac	227.166	0.0	113.583	0.0
load	N_1800070594	constant_power_B_reac	227.166	0.0	113.583	0.0
load	N_1800031434	constant_power_A	1509.94	496.292	754.97	248.146
load	N_1800031434	constant_power_B	1509.94	496.292	754.97	248.146
load	N_1800031434	constant_power_A_real	1509.94	0.0	754.97	0.0
load	N_1800031434	constant_power_B_real	1509.94	0.0	754.97	0.0
load	N_1800031434	constant_power_A_reac	496.292	0.0	248.146	0.0
load	N_1800031434	constant_power_B_reac	496.292	0.0	248.146	0.0
load	N_1800038261	constant_power_A	2205.47	724.905	1102.735	362.4525
load	N_1800038261	constant_power_B	2205.47	724.905	1102.735	362.4525
load	N_1800038261	constant_power_A_real	2205.47	0.0	1102.735	0.0
load	N_1800038261	constant_power_B_real	2205.47	0.0	1102.735	0.0
load	N_1800038261	constant_power_A_reac	724.905	0.0	362.4525	0.0
load	N_1800038261	constant_power_B_reac	724.905	0.0	362.4525	0.0
load	N_1800072245	constant_power_A	2940.63	1822.44	1470.315	911.22
load	N_1800072245	constant_power_B	2940.63	1822.44	1470.315	911.22
load	N_1800072245	constant_power_C	2940.63	1822.44	1470.315	911.22
load	N_1800072245	constant_power_A_real	2940.63	0.0	1470.315	0.0
load	N_1800072245	constant_power_B_real	2940.63	0.0	1470.315	0.0
load	N_1800072245	constant_power_C_real	2940.63	0.0	1470.315	0.0
load	N_1800072245	constant_power_A_reac	1822.44	0.0	911.22	0.0
load	N_1800072245	constant_power_B_reac	1822.44	0.0	911.22	0.0
load	N_1800072245	constant_power_C_reac	1822.44	0.0	911.22	0.0
load	N_1800072244	constant_power_A	824.669	511.084	412.3345	255.542
load	N_1800072244	constant_power_B	824.669	511.084	412.3345	255.542
load	N_1800072244	constant_power_C	824.669	511.084	412.3345	255.542
load	N_1800072244	constant_power_A_real	824.669	0.0	412.3345	0.0
load	N_1800072244	constant_power_B_real	824.669	0.0	412.3345	0.0
load	N_1800072244	constant_power_C_real	824.669	0.0	412.3345	0.0
load	N_1800072244	constant_power_A_reac	511.084	0.0	255.542	0.0
load	N_1800072244	constant_power_B_reac	511.084	0.0	255.542	0.0
load	N_1800072244	constant_power_C_reac	511.084	0.0	255.542	0.0
load	N_1800072246	constant_power_A	8725.05	5015.23	4362.525	2507.615
load	N_1800072246	constant_power_B	8725.05	5015.23	4362.525	2507.615
load	N_1800072246	constant_power_C	8725.05	5015.23	4362.525	2507.615
load	N_1800072246	constant_power_A_real	8725.05	0.0	4362.525	0.0
load	N_1800072246	constant_power_B_real	8725.05	0.0	4362.525	0.0
load	N_1800072246	constant_power_C_real	8725.05	0.0	4362.525	0.0
load	N_1800072246	constant_power_A_reac	5015.23	0.0	2507.615	0.0
load	N_1800072246	constant_power_B_reac	5015.23	0.0	2507.615	0.0
load	N_1800072246	constant_power_C_reac	5015.23	0.0	2507.615	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072243	constant_power_A	592.822	194.851	296.411	97.4255
load	N_1800072243	constant_power_B	592.822	194.851	296.411	97.4255
load	N_1800072243	constant_power_C	592.822	194.851	296.411	97.4255
load	N_1800072243	constant_power_A_real	592.822	0.0	296.411	0.0
load	N_1800072243	constant_power_B_real	592.822	0.0	296.411	0.0
load	N_1800072243	constant_power_C_real	592.822	0.0	296.411	0.0
load	N_1800072243	constant_power_A_reac	194.851	0.0	97.4255	0.0
load	N_1800072243	constant_power_B_reac	194.851	0.0	97.4255	0.0
load	N_1800072243	constant_power_C_reac	194.851	0.0	97.4255	0.0
load	N_1800038466	constant_power_A	446.084	154.309	223.042	77.1545
load	N_1800038466	constant_power_B	446.084	154.309	223.042	77.1545
load	N_1800038466	constant_power_C	446.084	154.309	223.042	77.1545
load	N_1800038466	constant_power_A_real	446.084	0.0	223.042	0.0
load	N_1800038466	constant_power_B_real	446.084	0.0	223.042	0.0
load	N_1800038466	constant_power_C_real	446.084	0.0	223.042	0.0
load	N_1800038466	constant_power_A_reac	154.309	0.0	77.1545	0.0
load	N_1800038466	constant_power_B_reac	154.309	0.0	77.1545	0.0
load	N_1800038466	constant_power_C_reac	154.309	0.0	77.1545	0.0
load	N_1800071916	constant_power_A	1229.67	420.401	614.835	210.2005
load	N_1800071916	constant_power_B	1229.67	420.401	614.835	210.2005
load	N_1800071916	constant_power_C	1229.67	420.401	614.835	210.2005
load	N_1800071916	constant_power_A_real	1229.67	0.0	614.835	0.0
load	N_1800071916	constant_power_B_real	1229.67	0.0	614.835	0.0
load	N_1800071916	constant_power_C_real	1229.67	0.0	614.835	0.0
load	N_1800071916	constant_power_A_reac	420.401	0.0	210.2005	0.0
load	N_1800071916	constant_power_B_reac	420.401	0.0	210.2005	0.0
load	N_1800071916	constant_power_C_reac	420.401	0.0	210.2005	0.0
load	N_1800071917	constant_power_A	1941.35	638.09	970.675	319.045
load	N_1800071917	constant_power_B	1941.35	638.09	970.675	319.045
load	N_1800071917	constant_power_A_real	1941.35	0.0	970.675	0.0
load	N_1800071917	constant_power_B_real	1941.35	0.0	970.675	0.0
load	N_1800071917	constant_power_A_reac	638.09	0.0	319.045	0.0
load	N_1800071917	constant_power_B_reac	638.09	0.0	319.045	0.0
load	N_1800069828	constant_power_A	2588.46	850.786	1294.23	425.393
load	N_1800069828	constant_power_B	2588.46	850.786	1294.23	425.393
load	N_1800069828	constant_power_A_real	2588.46	0.0	1294.23	0.0
load	N_1800069828	constant_power_B_real	2588.46	0.0	1294.23	0.0
load	N_1800069828	constant_power_A_reac	850.786	0.0	425.393	0.0
load	N_1800069828	constant_power_B_reac	850.786	0.0	425.393	0.0
load	N_1800044356	constant_power_A	284.672	93.5672	142.336	46.7836
load	N_1800044356	constant_power_B	284.672	93.5672	142.336	46.7836
load	N_1800044356	constant_power_C	284.672	93.5672	142.336	46.7836
load	N_1800044356	constant_power_A_real	284.672	0.0	142.336	0.0
load	N_1800044356	constant_power_B_real	284.672	0.0	142.336	0.0
load	N_1800044356	constant_power_C_real	284.672	0.0	142.336	0.0
load	N_1800044356	constant_power_A_reac	93.5672	0.0	46.7836	0.0
load	N_1800044356	constant_power_B_reac	93.5672	0.0	46.7836	0.0
load	N_1800044356	constant_power_C_reac	93.5672	0.0	46.7836	0.0
load	N_1800071918	constant_power_A	1317.71	433.11	658.855	216.555
load	N_1800071918	constant_power_B	1317.71	433.11	658.855	216.555
load	N_1800071918	constant_power_C	1317.71	433.11	658.855	216.555
load	N_1800071918	constant_power_A_real	1317.71	0.0	658.855	0.0
load	N_1800071918	constant_power_B_real	1317.71	0.0	658.855	0.0
load	N_1800071918	constant_power_C_real	1317.71	0.0	658.855	0.0
load	N_1800071918	constant_power_A_reac	433.11	0.0	216.555	0.0
load	N_1800071918	constant_power_B_reac	433.11	0.0	216.555	0.0
load	N_1800071918	constant_power_C_reac	433.11	0.0	216.555	0.0
load	N_1800195749	constant_power_A	15513.2	9614.19	7756.6	4807.095
load	N_1800195749	constant_power_B	15513.2	9614.19	7756.6	4807.095
load	N_1800195749	constant_power_C	15513.2	9614.19	7756.6	4807.095
load	N_1800195749	constant_power_A_real	15513.2	0.0	7756.6	0.0
load	N_1800195749	constant_power_B_real	15513.2	0.0	7756.6	0.0
load	N_1800195749	constant_power_C_real	15513.2	0.0	7756.6	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800195749	constant_power_A_reac	9614.19	0.0	4807.095	0.0
load	N_1800195749	constant_power_B_reac	9614.19	0.0	4807.095	0.0
load	N_1800195749	constant_power_C_reac	9614.19	0.0	4807.095	0.0
load	N_1800025173	constant_power_A	569.344	187.134	284.672	93.567
load	N_1800025173	constant_power_B	569.344	187.134	284.672	93.567
load	N_1800025173	constant_power_C	569.344	187.134	284.672	93.567
load	N_1800025173	constant_power_A_real	569.344	0.0	284.672	0.0
load	N_1800025173	constant_power_B_real	569.344	0.0	284.672	0.0
load	N_1800025173	constant_power_C_real	569.344	0.0	284.672	0.0
load	N_1800025173	constant_power_A_reac	187.134	0.0	93.567	0.0
load	N_1800025173	constant_power_B_reac	187.134	0.0	93.567	0.0
load	N_1800025173	constant_power_C_reac	187.134	0.0	93.567	0.0
load	N_1800073340	constant_power_A	1743.25	572.979	871.625	286.4895
load	N_1800073340	constant_power_B	1743.25	572.979	871.625	286.4895
load	N_1800073340	constant_power_A_real	1743.25	0.0	871.625	0.0
load	N_1800073340	constant_power_B_real	1743.25	0.0	871.625	0.0
load	N_1800073340	constant_power_A_reac	572.979	0.0	286.4895	0.0
load	N_1800073340	constant_power_B_reac	572.979	0.0	286.4895	0.0
load	N_1800069453	constant_power_A	48.424	15.9162	24.212	7.9581
load	N_1800069453	constant_power_C	48.424	15.9162	24.212	7.9581
load	N_1800069453	constant_power_A_real	48.424	0.0	24.212	0.0
load	N_1800069453	constant_power_C_real	48.424	0.0	24.212	0.0
load	N_1800069453	constant_power_A_reac	15.9162	0.0	7.9581	0.0
load	N_1800069453	constant_power_C_reac	15.9162	0.0	7.9581	0.0
load	N_1800020185	constant_power_A	3966.33	1303.67	1983.165	651.835
load	N_1800020185	constant_power_B	3966.33	1303.67	1983.165	651.835
load	N_1800020185	constant_power_A_real	3966.33	0.0	1983.165	0.0
load	N_1800020185	constant_power_B_real	3966.33	0.0	1983.165	0.0
load	N_1800020185	constant_power_A_reac	1303.67	0.0	651.835	0.0
load	N_1800020185	constant_power_B_reac	1303.67	0.0	651.835	0.0
load	N_1800069986	constant_power_A	2214.28	727.798	1107.14	363.899
load	N_1800069986	constant_power_B	2214.28	727.798	1107.14	363.899
load	N_1800069986	constant_power_A_real	2214.28	0.0	1107.14	0.0
load	N_1800069986	constant_power_B_real	2214.28	0.0	1107.14	0.0
load	N_1800069986	constant_power_A_reac	727.798	0.0	363.899	0.0
load	N_1800069986	constant_power_B_reac	727.798	0.0	363.899	0.0
load	N_1800020187	constant_power_A	1303.04	428.287	651.52	214.1435
load	N_1800020187	constant_power_B	1303.04	428.287	651.52	214.1435
load	N_1800020187	constant_power_C	1303.04	428.287	651.52	214.1435
load	N_1800020187	constant_power_A_real	1303.04	0.0	651.52	0.0
load	N_1800020187	constant_power_B_real	1303.04	0.0	651.52	0.0
load	N_1800020187	constant_power_C_real	1303.04	0.0	651.52	0.0
load	N_1800020187	constant_power_A_reac	428.287	0.0	214.1435	0.0
load	N_1800020187	constant_power_B_reac	428.287	0.0	214.1435	0.0
load	N_1800020187	constant_power_C_reac	428.287	0.0	214.1435	0.0
load	N_1800044190	constant_power_A	1307.44	429.734	653.72	214.867
load	N_1800044190	constant_power_B	1307.44	429.734	653.72	214.867
load	N_1800044190	constant_power_A_real	1307.44	0.0	653.72	0.0
load	N_1800044190	constant_power_B_real	1307.44	0.0	653.72	0.0
load	N_1800044190	constant_power_A_reac	429.734	0.0	214.867	0.0
load	N_1800044190	constant_power_B_reac	429.734	0.0	214.867	0.0
load	N_1800043008	constant_power_A	6899.63	4276.01	3449.815	2138.005
load	N_1800043008	constant_power_B	6899.63	4276.01	3449.815	2138.005
load	N_1800043008	constant_power_C	6899.63	4276.01	3449.815	2138.005
load	N_1800043008	constant_power_A_real	6899.63	0.0	3449.815	0.0
load	N_1800043008	constant_power_B_real	6899.63	0.0	3449.815	0.0
load	N_1800043008	constant_power_C_real	6899.63	0.0	3449.815	0.0
load	N_1800043008	constant_power_A_reac	4276.01	0.0	2138.005	0.0
load	N_1800043008	constant_power_B_reac	4276.01	0.0	2138.005	0.0
load	N_1800043008	constant_power_C_reac	4276.01	0.0	2138.005	0.0
load	N_1800000330	constant_power_A	1349.99	836.649	674.995	418.3245
load	N_1800000330	constant_power_B	1349.99	836.649	674.995	418.3245
load	N_1800000330	constant_power_C	1349.99	836.649	674.995	418.3245

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800000330	constant_power_A_real	1349.99	0.0	674.995	0.0
load	N_1800000330	constant_power_B_real	1349.99	0.0	674.995	0.0
load	N_1800000330	constant_power_C_real	1349.99	0.0	674.995	0.0
load	N_1800000330	constant_power_A_reac	836.649	0.0	418.3245	0.0
load	N_1800000330	constant_power_B_reac	836.649	0.0	418.3245	0.0
load	N_1800000330	constant_power_C_reac	836.649	0.0	418.3245	0.0
load	N_1800073046	constant_power_A	823.201	270.573	411.6005	135.2865
load	N_1800073046	constant_power_B	823.201	270.573	411.6005	135.2865
load	N_1800073046	constant_power_A_real	823.201	0.0	411.6005	0.0
load	N_1800073046	constant_power_B_real	823.201	0.0	411.6005	0.0
load	N_1800073046	constant_power_A_reac	270.573	0.0	135.2865	0.0
load	N_1800073046	constant_power_B_reac	270.573	0.0	135.2865	0.0
load	N_1800024197	constant_power_A	193.694	120.041	96.847	60.0205
load	N_1800024197	constant_power_B	193.694	120.041	96.847	60.0205
load	N_1800024197	constant_power_A_real	193.694	0.0	96.847	0.0
load	N_1800024197	constant_power_B_real	193.694	0.0	96.847	0.0
load	N_1800024197	constant_power_A_reac	120.041	0.0	60.0205	0.0
load	N_1800024197	constant_power_B_reac	120.041	0.0	60.0205	0.0
load	N_1800040462	constant_power_A	1646.4	541.146	823.2	270.573
load	N_1800040462	constant_power_B	1646.4	541.146	823.2	270.573
load	N_1800040462	constant_power_A_real	1646.4	0.0	823.2	0.0
load	N_1800040462	constant_power_B_real	1646.4	0.0	823.2	0.0
load	N_1800040462	constant_power_A_reac	541.146	0.0	270.573	0.0
load	N_1800040462	constant_power_B_reac	541.146	0.0	270.573	0.0
load	N_1800024198	constant_power_A	726.354	238.741	363.177	119.3705
load	N_1800024198	constant_power_B	726.354	238.741	363.177	119.3705
load	N_1800024198	constant_power_A_real	726.354	0.0	363.177	0.0
load	N_1800024198	constant_power_B_real	726.354	0.0	363.177	0.0
load	N_1800024198	constant_power_A_reac	238.741	0.0	119.3705	0.0
load	N_1800024198	constant_power_B_reac	238.741	0.0	119.3705	0.0
load	N_1800024199	constant_power_A	13105.2	4307.47	6552.6	2153.735
load	N_1800024199	constant_power_B	13105.2	4307.47	6552.6	2153.735
load	N_1800024199	constant_power_A_real	13105.2	0.0	6552.6	0.0
load	N_1800024199	constant_power_B_real	13105.2	0.0	6552.6	0.0
load	N_1800024199	constant_power_A_reac	4307.47	0.0	2153.735	0.0
load	N_1800024199	constant_power_B_reac	4307.47	0.0	2153.735	0.0
load	N_1800069825	constant_power_A	876.027	287.936	438.0135	143.968
load	N_1800069825	constant_power_B	876.027	287.936	438.0135	143.968
load	N_1800069825	constant_power_A_real	876.027	0.0	438.0135	0.0
load	N_1800069825	constant_power_B_real	876.027	0.0	438.0135	0.0
load	N_1800069825	constant_power_A_reac	287.936	0.0	143.968	0.0
load	N_1800069825	constant_power_B_reac	287.936	0.0	143.968	0.0
load	N_1800069824	constant_power_A	736.626	242.117	368.313	121.0585
load	N_1800069824	constant_power_B	736.626	242.117	368.313	121.0585
load	N_1800069824	constant_power_C	736.626	242.117	368.313	121.0585
load	N_1800069824	constant_power_A_real	736.626	0.0	368.313	0.0
load	N_1800069824	constant_power_B_real	736.626	0.0	368.313	0.0
load	N_1800069824	constant_power_C_real	736.626	0.0	368.313	0.0
load	N_1800069824	constant_power_A_reac	242.117	0.0	121.0585	0.0
load	N_1800069824	constant_power_B_reac	242.117	0.0	121.0585	0.0
load	N_1800069824	constant_power_C_reac	242.117	0.0	121.0585	0.0
load	N_1800003201	constant_power_A	3059.49	1005.61	1529.745	502.805
load	N_1800003201	constant_power_B	3059.49	1005.61	1529.745	502.805
load	N_1800003201	constant_power_A_real	3059.49	0.0	1529.745	0.0
load	N_1800003201	constant_power_B_real	3059.49	0.0	1529.745	0.0
load	N_1800003201	constant_power_A_reac	1005.61	0.0	502.805	0.0
load	N_1800003201	constant_power_B_reac	1005.61	0.0	502.805	0.0
load	N_1800069827	constant_power_A	1214.99	536.874	607.495	268.437
load	N_1800069827	constant_power_B	1214.99	536.874	607.495	268.437
load	N_1800069827	constant_power_C	1214.99	536.874	607.495	268.437
load	N_1800069827	constant_power_A_real	1214.99	0.0	607.495	0.0
load	N_1800069827	constant_power_B_real	1214.99	0.0	607.495	0.0
load	N_1800069827	constant_power_C_real	1214.99	0.0	607.495	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069827	constant_power_A_reac	536.874	0.0	268.437	0.0
load	N_1800069827	constant_power_B_reac	536.874	0.0	268.437	0.0
load	N_1800069827	constant_power_C_reac	536.874	0.0	268.437	0.0
load	N_1800075834	constant_power_A	446.084	276.458	223.042	138.229
load	N_1800075834	constant_power_B	446.084	276.458	223.042	138.229
load	N_1800075834	constant_power_C	446.084	276.458	223.042	138.229
load	N_1800075834	constant_power_A_real	446.084	0.0	223.042	0.0
load	N_1800075834	constant_power_B_real	446.084	0.0	223.042	0.0
load	N_1800075834	constant_power_C_real	446.084	0.0	223.042	0.0
load	N_1800075834	constant_power_A_reac	276.458	0.0	138.229	0.0
load	N_1800075834	constant_power_B_reac	276.458	0.0	138.229	0.0
load	N_1800075834	constant_power_C_reac	276.458	0.0	138.229	0.0
load	N_1800070713	constant_power_A	1238.47	407.066	619.235	203.533
load	N_1800070713	constant_power_B	1238.47	407.066	619.235	203.533
load	N_1800070713	constant_power_C	1238.47	407.066	619.235	203.533
load	N_1800070713	constant_power_A_real	1238.47	0.0	619.235	0.0
load	N_1800070713	constant_power_B_real	1238.47	0.0	619.235	0.0
load	N_1800070713	constant_power_C_real	1238.47	0.0	619.235	0.0
load	N_1800070713	constant_power_A_reac	407.066	0.0	203.533	0.0
load	N_1800070713	constant_power_B_reac	407.066	0.0	203.533	0.0
load	N_1800070713	constant_power_C_reac	407.066	0.0	203.533	0.0
load	N_1800070243	constant_power_A	457.823	150.479	228.9115	75.2395
load	N_1800070243	constant_power_B	457.823	150.479	228.9115	75.2395
load	N_1800070243	constant_power_A_real	457.823	0.0	228.9115	0.0
load	N_1800070243	constant_power_B_real	457.823	0.0	228.9115	0.0
load	N_1800070243	constant_power_A_reac	150.479	0.0	75.2395	0.0
load	N_1800070243	constant_power_B_reac	150.479	0.0	75.2395	0.0
load	N_1800031408	constant_power_A	4410.95	2733.66	2205.475	1366.83
load	N_1800031408	constant_power_B	4410.95	2733.66	2205.475	1366.83
load	N_1800031408	constant_power_C	4410.95	2733.66	2205.475	1366.83
load	N_1800031408	constant_power_A_real	4410.95	0.0	2205.475	0.0
load	N_1800031408	constant_power_B_real	4410.95	0.0	2205.475	0.0
load	N_1800031408	constant_power_C_real	4410.95	0.0	2205.475	0.0
load	N_1800031408	constant_power_A_reac	2733.66	0.0	1366.83	0.0
load	N_1800031408	constant_power_B_reac	2733.66	0.0	1366.83	0.0
load	N_1800031408	constant_power_C_reac	2733.66	0.0	1366.83	0.0
load	N_1800072413	constant_power_A	695.539	228.613	347.7695	114.3065
load	N_1800072413	constant_power_B	695.539	228.613	347.7695	114.3065
load	N_1800072413	constant_power_C	695.539	228.613	347.7695	114.3065
load	N_1800072413	constant_power_A_real	695.539	0.0	347.7695	0.0
load	N_1800072413	constant_power_B_real	695.539	0.0	347.7695	0.0
load	N_1800072413	constant_power_C_real	695.539	0.0	347.7695	0.0
load	N_1800072413	constant_power_A_reac	228.613	0.0	114.3065	0.0
load	N_1800072413	constant_power_B_reac	228.613	0.0	114.3065	0.0
load	N_1800072413	constant_power_C_reac	228.613	0.0	114.3065	0.0
load	N_1800070719	constant_power_A	1197.38	393.561	598.69	196.7805
load	N_1800070719	constant_power_B	1197.38	393.561	598.69	196.7805
load	N_1800070719	constant_power_A_real	1197.38	0.0	598.69	0.0
load	N_1800070719	constant_power_B_real	1197.38	0.0	598.69	0.0
load	N_1800070719	constant_power_A_reac	393.561	0.0	196.7805	0.0
load	N_1800070719	constant_power_B_reac	393.561	0.0	196.7805	0.0
load	N_1800031407	constant_power_A	129.13	42.4429	64.565	21.22145
load	N_1800031407	constant_power_B	129.13	42.4429	64.565	21.22145
load	N_1800031407	constant_power_C	129.13	42.4429	64.565	21.22145
load	N_1800031407	constant_power_A_real	129.13	0.0	64.565	0.0
load	N_1800031407	constant_power_B_real	129.13	0.0	64.565	0.0
load	N_1800031407	constant_power_C_real	129.13	0.0	64.565	0.0
load	N_1800031407	constant_power_A_reac	42.4429	0.0	21.22145	0.0
load	N_1800031407	constant_power_B_reac	42.4429	0.0	21.22145	0.0
load	N_1800031407	constant_power_C_reac	42.4429	0.0	21.22145	0.0
load	N_1800031405	constant_power_A	1044.78	343.401	522.39	171.7005
load	N_1800031405	constant_power_B	1044.78	343.401	522.39	171.7005
load	N_1800031405	constant_power_C	1044.78	343.401	522.39	171.7005

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031405	constant_power_A_real	1044.78	0.0	522.39	0.0
load	N_1800031405	constant_power_B_real	1044.78	0.0	522.39	0.0
load	N_1800031405	constant_power_C_real	1044.78	0.0	522.39	0.0
load	N_1800031405	constant_power_A_reac	343.401	0.0	171.7005	0.0
load	N_1800031405	constant_power_B_reac	343.401	0.0	171.7005	0.0
load	N_1800031405	constant_power_C_reac	343.401	0.0	171.7005	0.0
load	N_1800031401	constant_power_A	2113.03	949.069	1056.515	474.5345
load	N_1800031401	constant_power_B	2113.03	949.069	1056.515	474.5345
load	N_1800031401	constant_power_C	2113.03	949.069	1056.515	474.5345
load	N_1800031401	constant_power_A_real	2113.03	0.0	1056.515	0.0
load	N_1800031401	constant_power_B_real	2113.03	0.0	1056.515	0.0
load	N_1800031401	constant_power_C_real	2113.03	0.0	1056.515	0.0
load	N_1800031401	constant_power_A_reac	949.069	0.0	474.5345	0.0
load	N_1800031401	constant_power_B_reac	949.069	0.0	474.5345	0.0
load	N_1800031401	constant_power_C_reac	949.069	0.0	474.5345	0.0
load	N_1800078522	constant_power_A	2126.24	698.86	1063.12	349.43
load	N_1800078522	constant_power_C	2126.24	698.86	1063.12	349.43
load	N_1800078522	constant_power_A_real	2126.24	0.0	1063.12	0.0
load	N_1800078522	constant_power_C_real	2126.24	0.0	1063.12	0.0
load	N_1800078522	constant_power_A_reac	698.86	0.0	349.43	0.0
load	N_1800078522	constant_power_C_reac	698.86	0.0	349.43	0.0
load	N_1800023779	constant_power_A	666.191	218.967	333.0955	109.4835
load	N_1800023779	constant_power_B	666.191	218.967	333.0955	109.4835
load	N_1800023779	constant_power_C	666.191	218.967	333.0955	109.4835
load	N_1800023779	constant_power_A_real	666.191	0.0	333.0955	0.0
load	N_1800023779	constant_power_B_real	666.191	0.0	333.0955	0.0
load	N_1800023779	constant_power_C_real	666.191	0.0	333.0955	0.0
load	N_1800023779	constant_power_A_reac	218.967	0.0	109.4835	0.0
load	N_1800023779	constant_power_B_reac	218.967	0.0	109.4835	0.0
load	N_1800023779	constant_power_C_reac	218.967	0.0	109.4835	0.0
load	N_1800069154	constant_power_A	4457.82	2629.46	2228.91	1314.73
load	N_1800069154	constant_power_B	4457.82	2629.46	2228.91	1314.73
load	N_1800069154	constant_power_A_real	4457.82	0.0	2228.91	0.0
load	N_1800069154	constant_power_B_real	4457.82	0.0	2228.91	0.0
load	N_1800069154	constant_power_A_reac	2629.46	0.0	1314.73	0.0
load	N_1800069154	constant_power_B_reac	2629.46	0.0	1314.73	0.0
load	N_1800069157	constant_power_A	1923.74	632.302	961.87	316.151
load	N_1800069157	constant_power_B	1923.74	632.302	961.87	316.151
load	N_1800069157	constant_power_A_real	1923.74	0.0	961.87	0.0
load	N_1800069157	constant_power_B_real	1923.74	0.0	961.87	0.0
load	N_1800069157	constant_power_A_reac	632.302	0.0	316.151	0.0
load	N_1800069157	constant_power_B_reac	632.302	0.0	316.151	0.0
load	N_1800039236	constant_power_A	2284.71	750.949	1142.355	375.4745
load	N_1800039236	constant_power_B	2284.71	750.949	1142.355	375.4745
load	N_1800039236	constant_power_A_real	2284.71	0.0	1142.355	0.0
load	N_1800039236	constant_power_B_real	2284.71	0.0	1142.355	0.0
load	N_1800039236	constant_power_A_reac	750.949	0.0	375.4745	0.0
load	N_1800039236	constant_power_B_reac	750.949	0.0	375.4745	0.0
load	N_1800003763	constant_power_A	73.369	45.47	36.6845	22.735
load	N_1800003763	constant_power_B	73.369	45.47	36.6845	22.735
load	N_1800003763	constant_power_C	73.369	45.47	36.6845	22.735
load	N_1800003763	constant_power_A_real	73.369	0.0	36.6845	0.0
load	N_1800003763	constant_power_B_real	73.369	0.0	36.6845	0.0
load	N_1800003763	constant_power_C_real	73.369	0.0	36.6845	0.0
load	N_1800003763	constant_power_A_reac	45.47	0.0	22.735	0.0
load	N_1800003763	constant_power_B_reac	45.47	0.0	22.735	0.0
load	N_1800003763	constant_power_C_reac	45.47	0.0	22.735	0.0
load	N_1800071954	constant_power_A	604.561	220.064	302.2805	110.032
load	N_1800071954	constant_power_B	604.561	220.064	302.2805	110.032
load	N_1800071954	constant_power_C	604.561	220.064	302.2805	110.032
load	N_1800071954	constant_power_A_real	604.561	0.0	302.2805	0.0
load	N_1800071954	constant_power_B_real	604.561	0.0	302.2805	0.0
load	N_1800071954	constant_power_C_real	604.561	0.0	302.2805	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071954	constant_power_A_reac	220.064	0.0	110.032	0.0
load	N_1800071954	constant_power_B_reac	220.064	0.0	110.032	0.0
load	N_1800071954	constant_power_C_reac	220.064	0.0	110.032	0.0
load	N_1800073194	constant_power_A	4186.44	1376.02	2093.22	688.01
load	N_1800073194	constant_power_B	4186.44	1376.02	2093.22	688.01
load	N_1800073194	constant_power_A_real	4186.44	0.0	2093.22	0.0
load	N_1800073194	constant_power_B_real	4186.44	0.0	2093.22	0.0
load	N_1800073194	constant_power_A_reac	1376.02	0.0	688.01	0.0
load	N_1800073194	constant_power_B_reac	1376.02	0.0	688.01	0.0
load	N_1800073192	constant_power_A	695.539	231.175	347.7695	115.5875
load	N_1800073192	constant_power_B	695.539	231.175	347.7695	115.5875
load	N_1800073192	constant_power_A_real	695.539	0.0	347.7695	0.0
load	N_1800073192	constant_power_B_real	695.539	0.0	347.7695	0.0
load	N_1800073192	constant_power_A_reac	231.175	0.0	115.5875	0.0
load	N_1800073192	constant_power_B_reac	231.175	0.0	115.5875	0.0
load	N_1800073193	constant_power_A	999.287	328.45	499.6435	164.225
load	N_1800073193	constant_power_B	999.287	328.45	499.6435	164.225
load	N_1800073193	constant_power_A_real	999.287	0.0	499.6435	0.0
load	N_1800073193	constant_power_B_real	999.287	0.0	499.6435	0.0
load	N_1800073193	constant_power_A_reac	328.45	0.0	164.225	0.0
load	N_1800073193	constant_power_B_reac	328.45	0.0	164.225	0.0
load	N_1800079935	constant_power_A	964.07	316.874	482.035	158.437
load	N_1800079935	constant_power_B	964.07	316.874	482.035	158.437
load	N_1800079935	constant_power_A_real	964.07	0.0	482.035	0.0
load	N_1800079935	constant_power_B_real	964.07	0.0	482.035	0.0
load	N_1800079935	constant_power_A_reac	316.874	0.0	158.437	0.0
load	N_1800079935	constant_power_B_reac	316.874	0.0	158.437	0.0
load	N_1800025357	constant_power_A	2205.47	724.905	1102.735	362.4525
load	N_1800025357	constant_power_B	2205.47	724.905	1102.735	362.4525
load	N_1800025357	constant_power_A_real	2205.47	0.0	1102.735	0.0
load	N_1800025357	constant_power_B_real	2205.47	0.0	1102.735	0.0
load	N_1800025357	constant_power_A_reac	724.905	0.0	362.4525	0.0
load	N_1800025357	constant_power_B_reac	724.905	0.0	362.4525	0.0
load	N_1800042746	constant_power_A	13.206	4.3406	6.603	2.1703
load	N_1800042746	constant_power_B	13.206	4.3406	6.603	2.1703
load	N_1800042746	constant_power_A_real	13.206	0.0	6.603	0.0
load	N_1800042746	constant_power_B_real	13.206	0.0	6.603	0.0
load	N_1800042746	constant_power_A_reac	4.3406	0.0	2.1703	0.0
load	N_1800042746	constant_power_B_reac	4.3406	0.0	2.1703	0.0
load	N_1800042745	constant_power_A	6704.47	2203.65	3352.235	1101.825
load	N_1800042745	constant_power_B	6704.47	2203.65	3352.235	1101.825
load	N_1800042745	constant_power_A_real	6704.47	0.0	3352.235	0.0
load	N_1800042745	constant_power_B_real	6704.47	0.0	3352.235	0.0
load	N_1800042745	constant_power_A_reac	2203.65	0.0	1101.825	0.0
load	N_1800042745	constant_power_B_reac	2203.65	0.0	1101.825	0.0
load	N_1800042743	constant_power_A	369.78	121.541	184.89	60.7705
load	N_1800042743	constant_power_B	369.78	121.541	184.89	60.7705
load	N_1800042743	constant_power_A_real	369.78	0.0	184.89	0.0
load	N_1800042743	constant_power_B_real	369.78	0.0	184.89	0.0
load	N_1800042743	constant_power_A_reac	121.541	0.0	60.7705	0.0
load	N_1800042743	constant_power_B_reac	121.541	0.0	60.7705	0.0
load	N_1800042742	constant_power_A	968.472	318.321	484.236	159.1605
load	N_1800042742	constant_power_B	968.472	318.321	484.236	159.1605
load	N_1800042742	constant_power_A_real	968.472	0.0	484.236	0.0
load	N_1800042742	constant_power_B_real	968.472	0.0	484.236	0.0
load	N_1800042742	constant_power_A_reac	318.321	0.0	159.1605	0.0
load	N_1800042742	constant_power_B_reac	318.321	0.0	159.1605	0.0
load	N_1800042740	constant_power_A	1373.47	451.438	686.735	225.719
load	N_1800042740	constant_power_B	1373.47	451.438	686.735	225.719
load	N_1800042740	constant_power_C	1373.47	451.438	686.735	225.719
load	N_1800042740	constant_power_A_real	1373.47	0.0	686.735	0.0
load	N_1800042740	constant_power_B_real	1373.47	0.0	686.735	0.0
load	N_1800042740	constant_power_C_real	1373.47	0.0	686.735	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800042740	constant_power_A_reac	451.438	0.0	225.719	0.0
load	N_1800042740	constant_power_B_reac	451.438	0.0	225.719	0.0
load	N_1800042740	constant_power_C_reac	451.438	0.0	225.719	0.0
load	N_1800035258	constant_power_A	2082.22	684.391	1041.11	342.1955
load	N_1800035258	constant_power_B	2082.22	684.391	1041.11	342.1955
load	N_1800035258	constant_power_A_real	2082.22	0.0	1041.11	0.0
load	N_1800035258	constant_power_B_real	2082.22	0.0	1041.11	0.0
load	N_1800035258	constant_power_A_reac	684.391	0.0	342.1955	0.0
load	N_1800035258	constant_power_B_reac	684.391	0.0	342.1955	0.0
load	N_1800068332	constant_power_A	281.737	92.6025	140.8685	46.30125
load	N_1800068332	constant_power_B	281.737	92.6025	140.8685	46.30125
load	N_1800068332	constant_power_A_real	281.737	0.0	140.8685	0.0
load	N_1800068332	constant_power_B_real	281.737	0.0	140.8685	0.0
load	N_1800068332	constant_power_A_reac	92.6025	0.0	46.30125	0.0
load	N_1800068332	constant_power_B_reac	92.6025	0.0	46.30125	0.0
load	N_1800068333	constant_power_A	768.908	252.728	384.454	126.364
load	N_1800068333	constant_power_B	768.908	252.728	384.454	126.364
load	N_1800068333	constant_power_C	768.908	252.728	384.454	126.364
load	N_1800068333	constant_power_A_real	768.908	0.0	384.454	0.0
load	N_1800068333	constant_power_B_real	768.908	0.0	384.454	0.0
load	N_1800068333	constant_power_C_real	768.908	0.0	384.454	0.0
load	N_1800068333	constant_power_A_reac	252.728	0.0	126.364	0.0
load	N_1800068333	constant_power_B_reac	252.728	0.0	126.364	0.0
load	N_1800068333	constant_power_C_reac	252.728	0.0	126.364	0.0
load	N_1800041278	constant_power_A	1562.76	513.655	781.38	256.8275
load	N_1800041278	constant_power_B	1562.76	513.655	781.38	256.8275
load	N_1800041278	constant_power_A_real	1562.76	0.0	781.38	0.0
load	N_1800041278	constant_power_B_real	1562.76	0.0	781.38	0.0
load	N_1800041278	constant_power_A_reac	513.655	0.0	256.8275	0.0
load	N_1800041278	constant_power_B_reac	513.655	0.0	256.8275	0.0
load	N_1800041279	constant_power_A	3997.15	1313.8	1998.575	656.9
load	N_1800041279	constant_power_B	3997.15	1313.8	1998.575	656.9
load	N_1800041279	constant_power_A_real	3997.15	0.0	1998.575	0.0
load	N_1800041279	constant_power_B_real	3997.15	0.0	1998.575	0.0
load	N_1800041279	constant_power_A_reac	1313.8	0.0	656.9	0.0
load	N_1800041279	constant_power_B_reac	1313.8	0.0	656.9	0.0
load	N_1800041276	constant_power_A	5317.79	1747.87	2658.895	873.935
load	N_1800041276	constant_power_B	5317.79	1747.87	2658.895	873.935
load	N_1800041276	constant_power_A_real	5317.79	0.0	2658.895	0.0
load	N_1800041276	constant_power_B_real	5317.79	0.0	2658.895	0.0
load	N_1800041276	constant_power_A_reac	1747.87	0.0	873.935	0.0
load	N_1800041276	constant_power_B_reac	1747.87	0.0	873.935	0.0
load	N_1800041277	constant_power_A	893.636	293.724	446.818	146.862
load	N_1800041277	constant_power_B	893.636	293.724	446.818	146.862
load	N_1800041277	constant_power_A_real	893.636	0.0	446.818	0.0
load	N_1800041277	constant_power_B_real	893.636	0.0	446.818	0.0
load	N_1800041277	constant_power_A_reac	293.724	0.0	146.862	0.0
load	N_1800041277	constant_power_B_reac	293.724	0.0	146.862	0.0
load	N_1800069749	constant_power_A	2474.01	900.294	1237.005	450.147
load	N_1800069749	constant_power_B	2474.01	900.294	1237.005	450.147
load	N_1800069749	constant_power_A_real	2474.01	0.0	1237.005	0.0
load	N_1800069749	constant_power_B_real	2474.01	0.0	1237.005	0.0
load	N_1800069749	constant_power_A_reac	900.294	0.0	450.147	0.0
load	N_1800069749	constant_power_B_reac	900.294	0.0	450.147	0.0
load	N_1800068338	constant_power_A	10588.6	6562.24	5294.3	3281.12
load	N_1800068338	constant_power_B	10588.6	6562.24	5294.3	3281.12
load	N_1800068338	constant_power_C	10588.6	6562.24	5294.3	3281.12
load	N_1800068338	constant_power_A_real	10588.6	0.0	5294.3	0.0
load	N_1800068338	constant_power_B_real	10588.6	0.0	5294.3	0.0
load	N_1800068338	constant_power_C_real	10588.6	0.0	5294.3	0.0
load	N_1800068338	constant_power_A_reac	6562.24	0.0	3281.12	0.0
load	N_1800068338	constant_power_B_reac	6562.24	0.0	3281.12	0.0
load	N_1800068338	constant_power_C_reac	6562.24	0.0	3281.12	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800008818	constant_power_A	1170.97	384.88	585.485	192.44
load	N_1800008818	constant_power_B	1170.97	384.88	585.485	192.44
load	N_1800008818	constant_power_A_real	1170.97	0.0	585.485	0.0
load	N_1800008818	constant_power_B_real	1170.97	0.0	585.485	0.0
load	N_1800008818	constant_power_A_reac	384.88	0.0	192.44	0.0
load	N_1800008818	constant_power_B_reac	384.88	0.0	192.44	0.0
load	N_1800069558	constant_power_A	906.842	317.711	453.421	158.8555
load	N_1800069558	constant_power_B	906.842	317.711	453.421	158.8555
load	N_1800069558	constant_power_C	906.842	317.711	453.421	158.8555
load	N_1800069558	constant_power_A_real	906.842	0.0	453.421	0.0
load	N_1800069558	constant_power_B_real	906.842	0.0	453.421	0.0
load	N_1800069558	constant_power_C_real	906.842	0.0	453.421	0.0
load	N_1800069558	constant_power_A_reac	317.711	0.0	158.8555	0.0
load	N_1800069558	constant_power_B_reac	317.711	0.0	158.8555	0.0
load	N_1800069558	constant_power_C_reac	317.711	0.0	158.8555	0.0
load	N_1800041474	constant_power_A	2786.56	915.897	1393.28	457.9485
load	N_1800041474	constant_power_B	2786.56	915.897	1393.28	457.9485
load	N_1800041474	constant_power_A_real	2786.56	0.0	1393.28	0.0
load	N_1800041474	constant_power_B_real	2786.56	0.0	1393.28	0.0
load	N_1800041474	constant_power_A_reac	915.897	0.0	457.9485	0.0
load	N_1800041474	constant_power_B_reac	915.897	0.0	457.9485	0.0
load	N_1800069554	constant_power_A	14345.1	8890.31	7172.55	4445.155
load	N_1800069554	constant_power_B	14345.1	8890.31	7172.55	4445.155
load	N_1800069554	constant_power_C	14345.1	8890.31	7172.55	4445.155
load	N_1800069554	constant_power_A_real	14345.1	0.0	7172.55	0.0
load	N_1800069554	constant_power_B_real	14345.1	0.0	7172.55	0.0
load	N_1800069554	constant_power_C_real	14345.1	0.0	7172.55	0.0
load	N_1800069554	constant_power_A_reac	8890.31	0.0	4445.155	0.0
load	N_1800069554	constant_power_B_reac	8890.31	0.0	4445.155	0.0
load	N_1800069554	constant_power_C_reac	8890.31	0.0	4445.155	0.0
load	N_1800069551	constant_power_A	7885.71	4621.47	3942.855	2310.735
load	N_1800069551	constant_power_B	7885.71	4621.47	3942.855	2310.735
load	N_1800069551	constant_power_C	7885.71	4621.47	3942.855	2310.735
load	N_1800069551	constant_power_A_real	7885.71	0.0	3942.855	0.0
load	N_1800069551	constant_power_B_real	7885.71	0.0	3942.855	0.0
load	N_1800069551	constant_power_C_real	7885.71	0.0	3942.855	0.0
load	N_1800069551	constant_power_A_reac	4621.47	0.0	2310.735	0.0
load	N_1800069551	constant_power_B_reac	4621.47	0.0	2310.735	0.0
load	N_1800069551	constant_power_C_reac	4621.47	0.0	2310.735	0.0
load	N_1800070081	constant_power_A	268.531	88.2619	134.2655	44.13095
load	N_1800070081	constant_power_B	268.531	88.2619	134.2655	44.13095
load	N_1800070081	constant_power_A_real	268.531	0.0	134.2655	0.0
load	N_1800070081	constant_power_B_real	268.531	0.0	134.2655	0.0
load	N_1800070081	constant_power_A_reac	88.2619	0.0	44.13095	0.0
load	N_1800070081	constant_power_B_reac	88.2619	0.0	44.13095	0.0
load	N_1800069082	constant_power_A	180.488	59.3235	90.244	29.66175
load	N_1800069082	constant_power_B	180.488	59.3235	90.244	29.66175
load	N_1800069082	constant_power_A_real	180.488	0.0	90.244	0.0
load	N_1800069082	constant_power_B_real	180.488	0.0	90.244	0.0
load	N_1800069082	constant_power_A_reac	59.3235	0.0	29.66175	0.0
load	N_1800069082	constant_power_B_reac	59.3235	0.0	29.66175	0.0
load	N_1800069081	constant_power_A	479.834	157.714	239.917	78.857
load	N_1800069081	constant_power_B	479.834	157.714	239.917	78.857
load	N_1800069081	constant_power_A_real	479.834	0.0	239.917	0.0
load	N_1800069081	constant_power_B_real	479.834	0.0	239.917	0.0
load	N_1800069081	constant_power_A_reac	157.714	0.0	78.857	0.0
load	N_1800069081	constant_power_B_reac	157.714	0.0	78.857	0.0
load	N_1800070082	constant_power_A	3851.88	1266.05	1925.94	633.025
load	N_1800070082	constant_power_B	3851.88	1266.05	1925.94	633.025
load	N_1800070082	constant_power_A_real	3851.88	0.0	1925.94	0.0
load	N_1800070082	constant_power_B_real	3851.88	0.0	1925.94	0.0
load	N_1800070082	constant_power_A_reac	1266.05	0.0	633.025	0.0
load	N_1800070082	constant_power_B_reac	1266.05	0.0	633.025	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800024179	constant_power_A	2328.74	765.418	1164.37	382.709
load	N_1800024179	constant_power_B	2328.74	765.418	1164.37	382.709
load	N_1800024179	constant_power_A_real	2328.74	0.0	1164.37	0.0
load	N_1800024179	constant_power_B_real	2328.74	0.0	1164.37	0.0
load	N_1800024179	constant_power_A_reac	765.418	0.0	382.709	0.0
load	N_1800024179	constant_power_B_reac	765.418	0.0	382.709	0.0
load	N_1800070089	constant_power_A	3222.37	1997.05	1611.185	998.525
load	N_1800070089	constant_power_B	3222.37	1997.05	1611.185	998.525
load	N_1800070089	constant_power_C	3222.37	1997.05	1611.185	998.525
load	N_1800070089	constant_power_A_real	3222.37	0.0	1611.185	0.0
load	N_1800070089	constant_power_B_real	3222.37	0.0	1611.185	0.0
load	N_1800070089	constant_power_C_real	3222.37	0.0	1611.185	0.0
load	N_1800070089	constant_power_A_reac	1997.05	0.0	998.525	0.0
load	N_1800070089	constant_power_B_reac	1997.05	0.0	998.525	0.0
load	N_1800070089	constant_power_C_reac	1997.05	0.0	998.525	0.0
load	N_1800069088	constant_power_A	4622.25	1519.26	2311.125	759.63
load	N_1800069088	constant_power_B	4622.25	1519.26	2311.125	759.63
load	N_1800069088	constant_power_A_real	4622.25	0.0	2311.125	0.0
load	N_1800069088	constant_power_B_real	4622.25	0.0	2311.125	0.0
load	N_1800069088	constant_power_A_reac	1519.26	0.0	759.63	0.0
load	N_1800069088	constant_power_B_reac	1519.26	0.0	759.63	0.0
load	N_1800070660	constant_power_A	5238.55	1721.83	2619.275	860.915
load	N_1800070660	constant_power_B	5238.55	1721.83	2619.275	860.915
load	N_1800070660	constant_power_A_real	5238.55	0.0	2619.275	0.0
load	N_1800070660	constant_power_B_real	5238.55	0.0	2619.275	0.0
load	N_1800070660	constant_power_A_reac	1721.83	0.0	860.915	0.0
load	N_1800070660	constant_power_B_reac	1721.83	0.0	860.915	0.0
load	N_1800071046	constant_power_A	3350.03	1101.1	1675.015	550.55
load	N_1800071046	constant_power_B	3350.03	1101.1	1675.015	550.55
load	N_1800071046	constant_power_A_real	3350.03	0.0	1675.015	0.0
load	N_1800071046	constant_power_B_real	3350.03	0.0	1675.015	0.0
load	N_1800071046	constant_power_A_reac	1101.1	0.0	550.55	0.0
load	N_1800071046	constant_power_B_reac	1101.1	0.0	550.55	0.0
load	N_1800071044	constant_power_A	1958.95	643.877	979.475	321.9385
load	N_1800071044	constant_power_B	1958.95	643.877	979.475	321.9385
load	N_1800071044	constant_power_A_real	1958.95	0.0	979.475	0.0
load	N_1800071044	constant_power_B_real	1958.95	0.0	979.475	0.0
load	N_1800071044	constant_power_A_reac	643.877	0.0	321.9385	0.0
load	N_1800071044	constant_power_B_reac	643.877	0.0	321.9385	0.0
load	N_1800070064	constant_power_A	1333.85	438.415	666.925	219.2075
load	N_1800070064	constant_power_B	1333.85	438.415	666.925	219.2075
load	N_1800070064	constant_power_A_real	1333.85	0.0	666.925	0.0
load	N_1800070064	constant_power_B_real	1333.85	0.0	666.925	0.0
load	N_1800070064	constant_power_A_reac	438.415	0.0	219.2075	0.0
load	N_1800070064	constant_power_B_reac	438.415	0.0	219.2075	0.0
load	N_1800079587	constant_power_A	2095.42	688.732	1047.71	344.366
load	N_1800079587	constant_power_B	2095.42	688.732	1047.71	344.366
load	N_1800079587	constant_power_A_real	2095.42	0.0	1047.71	0.0
load	N_1800079587	constant_power_B_real	2095.42	0.0	1047.71	0.0
load	N_1800079587	constant_power_A_reac	688.732	0.0	344.366	0.0
load	N_1800079587	constant_power_B_reac	688.732	0.0	344.366	0.0
load	N_1800070060	constant_power_A	515.051	169.289	257.5255	84.6445
load	N_1800070060	constant_power_B	515.051	169.289	257.5255	84.6445
load	N_1800070060	constant_power_A_real	515.051	0.0	257.5255	0.0
load	N_1800070060	constant_power_B_real	515.051	0.0	257.5255	0.0
load	N_1800070060	constant_power_A_reac	169.289	0.0	84.6445	0.0
load	N_1800070060	constant_power_B_reac	169.289	0.0	84.6445	0.0
load	N_1800045378	constant_power_A	2830.58	930.367	1415.29	465.1835
load	N_1800045378	constant_power_C	2830.58	930.367	1415.29	465.1835
load	N_1800045378	constant_power_A_real	2830.58	0.0	1415.29	0.0
load	N_1800045378	constant_power_C_real	2830.58	0.0	1415.29	0.0
load	N_1800045378	constant_power_A_reac	930.367	0.0	465.1835	0.0
load	N_1800045378	constant_power_C_reac	930.367	0.0	465.1835	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069335	constant_power_A	1238.47	549.716	619.235	274.858
load	N_1800069335	constant_power_B	1238.47	549.716	619.235	274.858
load	N_1800069335	constant_power_C	1238.47	549.716	619.235	274.858
load	N_1800069335	constant_power_A_real	1238.47	0.0	619.235	0.0
load	N_1800069335	constant_power_B_real	1238.47	0.0	619.235	0.0
load	N_1800069335	constant_power_C_real	1238.47	0.0	619.235	0.0
load	N_1800069335	constant_power_A_reac	549.716	0.0	274.858	0.0
load	N_1800069335	constant_power_B_reac	549.716	0.0	274.858	0.0
load	N_1800069335	constant_power_C_reac	549.716	0.0	274.858	0.0
load	N_1800067940	constant_power_A	1580.37	519.442	790.185	259.721
load	N_1800067940	constant_power_B	1580.37	519.442	790.185	259.721
load	N_1800067940	constant_power_A_real	1580.37	0.0	790.185	0.0
load	N_1800067940	constant_power_B_real	1580.37	0.0	790.185	0.0
load	N_1800067940	constant_power_A_reac	519.442	0.0	259.721	0.0
load	N_1800067940	constant_power_B_reac	519.442	0.0	259.721	0.0
load	N_1800081271	constant_power_A	884.831	290.83	442.4155	145.415
load	N_1800081271	constant_power_C	884.831	290.83	442.4155	145.415
load	N_1800081271	constant_power_A_real	884.831	0.0	442.4155	0.0
load	N_1800081271	constant_power_C_real	884.831	0.0	442.4155	0.0
load	N_1800081271	constant_power_A_reac	290.83	0.0	145.415	0.0
load	N_1800081271	constant_power_C_reac	290.83	0.0	145.415	0.0
load	N_1800078216	constant_power_A	757.169	248.869	378.5845	124.4345
load	N_1800078216	constant_power_B	757.169	248.869	378.5845	124.4345
load	N_1800078216	constant_power_A_real	757.169	0.0	378.5845	0.0
load	N_1800078216	constant_power_B_real	757.169	0.0	378.5845	0.0
load	N_1800078216	constant_power_A_reac	248.869	0.0	124.4345	0.0
load	N_1800078216	constant_power_B_reac	248.869	0.0	124.4345	0.0
load	N_1800035326	constant_power_A	164.347	101.853	82.1735	50.9265
load	N_1800035326	constant_power_B	164.347	101.853	82.1735	50.9265
load	N_1800035326	constant_power_C	164.347	101.853	82.1735	50.9265
load	N_1800035326	constant_power_A_real	164.347	0.0	82.1735	0.0
load	N_1800035326	constant_power_B_real	164.347	0.0	82.1735	0.0
load	N_1800035326	constant_power_C_real	164.347	0.0	82.1735	0.0
load	N_1800035326	constant_power_A_reac	101.853	0.0	50.9265	0.0
load	N_1800035326	constant_power_B_reac	101.853	0.0	50.9265	0.0
load	N_1800035326	constant_power_C_reac	101.853	0.0	50.9265	0.0
load	N_1800077871	constant_power_A	2931.83	963.646	1465.915	481.823
load	N_1800077871	constant_power_B	2931.83	963.646	1465.915	481.823
load	N_1800077871	constant_power_A_real	2931.83	0.0	1465.915	0.0
load	N_1800077871	constant_power_B_real	2931.83	0.0	1465.915	0.0
load	N_1800077871	constant_power_A_reac	963.646	0.0	481.823	0.0
load	N_1800077871	constant_power_B_reac	963.646	0.0	481.823	0.0
load	N_1800068846	constant_power_A	5260.56	1729.06	2630.28	864.53
load	N_1800068846	constant_power_C	5260.56	1729.06	2630.28	864.53
load	N_1800068846	constant_power_A_real	5260.56	0.0	2630.28	0.0
load	N_1800068846	constant_power_C_real	5260.56	0.0	2630.28	0.0
load	N_1800068846	constant_power_A_reac	1729.06	0.0	864.53	0.0
load	N_1800068846	constant_power_C_reac	1729.06	0.0	864.53	0.0
load	N_1800072934	constant_power_A	1615.59	531.018	807.795	265.509
load	N_1800072934	constant_power_B	1615.59	531.018	807.795	265.509
load	N_1800072934	constant_power_A_real	1615.59	0.0	807.795	0.0
load	N_1800072934	constant_power_B_real	1615.59	0.0	807.795	0.0
load	N_1800072934	constant_power_A_reac	531.018	0.0	265.509	0.0
load	N_1800072934	constant_power_B_reac	531.018	0.0	265.509	0.0
load	N_1800072932	constant_power_A	1033.04	339.543	516.52	169.7715
load	N_1800072932	constant_power_B	1033.04	339.543	516.52	169.7715
load	N_1800072932	constant_power_C	1033.04	339.543	516.52	169.7715
load	N_1800072932	constant_power_A_real	1033.04	0.0	516.52	0.0
load	N_1800072932	constant_power_B_real	1033.04	0.0	516.52	0.0
load	N_1800072932	constant_power_C_real	1033.04	0.0	516.52	0.0
load	N_1800072932	constant_power_A_reac	339.543	0.0	169.7715	0.0
load	N_1800072932	constant_power_B_reac	339.543	0.0	169.7715	0.0
load	N_1800072932	constant_power_C_reac	339.543	0.0	169.7715	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072931	constant_power_A	1628.79	535.359	814.395	267.6795
load	N_1800072931	constant_power_B	1628.79	535.359	814.395	267.6795
load	N_1800072931	constant_power_C	1628.79	535.359	814.395	267.6795
load	N_1800072931	constant_power_A_real	1628.79	0.0	814.395	0.0
load	N_1800072931	constant_power_B_real	1628.79	0.0	814.395	0.0
load	N_1800072931	constant_power_C_real	1628.79	0.0	814.395	0.0
load	N_1800072931	constant_power_A_reac	535.359	0.0	267.6795	0.0
load	N_1800072931	constant_power_B_reac	535.359	0.0	267.6795	0.0
load	N_1800072931	constant_power_C_reac	535.359	0.0	267.6795	0.0
load	N_1800068843	constant_power_A	1888.52	620.727	944.26	310.3635
load	N_1800068843	constant_power_C	1888.52	620.727	944.26	310.3635
load	N_1800068843	constant_power_A_real	1888.52	0.0	944.26	0.0
load	N_1800068843	constant_power_C_real	1888.52	0.0	944.26	0.0
load	N_1800068843	constant_power_A_reac	620.727	0.0	310.3635	0.0
load	N_1800068843	constant_power_C_reac	620.727	0.0	310.3635	0.0
load	N_1800068591	constant_power_A	255.324	83.9209	127.662	41.96045
load	N_1800068591	constant_power_B	255.324	83.9209	127.662	41.96045
load	N_1800068591	constant_power_A_real	255.324	0.0	127.662	0.0
load	N_1800068591	constant_power_B_real	255.324	0.0	127.662	0.0
load	N_1800068591	constant_power_A_reac	83.9209	0.0	41.96045	0.0
load	N_1800068591	constant_power_B_reac	83.9209	0.0	41.96045	0.0
load	N_1800068848	constant_power_A	3160.74	1038.89	1580.37	519.445
load	N_1800068848	constant_power_C	3160.74	1038.89	1580.37	519.445
load	N_1800068848	constant_power_A_real	3160.74	0.0	1580.37	0.0
load	N_1800068848	constant_power_C_real	3160.74	0.0	1580.37	0.0
load	N_1800068848	constant_power_A_reac	1038.89	0.0	519.445	0.0
load	N_1800068848	constant_power_C_reac	1038.89	0.0	519.445	0.0
load	N_1800068597	constant_power_A	1044.78	378.423	522.39	189.2115
load	N_1800068597	constant_power_B	1044.78	378.423	522.39	189.2115
load	N_1800068597	constant_power_C	1044.78	378.423	522.39	189.2115
load	N_1800068597	constant_power_A_real	1044.78	0.0	522.39	0.0
load	N_1800068597	constant_power_B_real	1044.78	0.0	522.39	0.0
load	N_1800068597	constant_power_C_real	1044.78	0.0	522.39	0.0
load	N_1800068597	constant_power_A_reac	378.423	0.0	189.2115	0.0
load	N_1800068597	constant_power_B_reac	378.423	0.0	189.2115	0.0
load	N_1800068597	constant_power_C_reac	378.423	0.0	189.2115	0.0
load	N_1800068594	constant_power_A	560.54	215.846	280.27	107.923
load	N_1800068594	constant_power_B	560.54	215.846	280.27	107.923
load	N_1800068594	constant_power_C	560.54	215.846	280.27	107.923
load	N_1800068594	constant_power_A_real	560.54	0.0	280.27	0.0
load	N_1800068594	constant_power_B_real	560.54	0.0	280.27	0.0
load	N_1800068594	constant_power_C_real	560.54	0.0	280.27	0.0
load	N_1800068594	constant_power_A_reac	215.846	0.0	107.923	0.0
load	N_1800068594	constant_power_B_reac	215.846	0.0	107.923	0.0
load	N_1800068594	constant_power_C_reac	215.846	0.0	107.923	0.0
load	N_1800011626	constant_power_A	2952.37	1829.72	1476.185	914.86
load	N_1800011626	constant_power_B	2952.37	1829.72	1476.185	914.86
load	N_1800011626	constant_power_C	2952.37	1829.72	1476.185	914.86
load	N_1800011626	constant_power_A_real	2952.37	0.0	1476.185	0.0
load	N_1800011626	constant_power_B_real	2952.37	0.0	1476.185	0.0
load	N_1800011626	constant_power_C_real	2952.37	0.0	1476.185	0.0
load	N_1800011626	constant_power_A_reac	1829.72	0.0	914.86	0.0
load	N_1800011626	constant_power_B_reac	1829.72	0.0	914.86	0.0
load	N_1800011626	constant_power_C_reac	1829.72	0.0	914.86	0.0
load	N_1800026587	constant_power_A	1888.52	620.727	944.26	310.3635
load	N_1800026587	constant_power_B	1888.52	620.727	944.26	310.3635
load	N_1800026587	constant_power_A_real	1888.52	0.0	944.26	0.0
load	N_1800026587	constant_power_B_real	1888.52	0.0	944.26	0.0
load	N_1800026587	constant_power_A_reac	620.727	0.0	310.3635	0.0
load	N_1800026587	constant_power_B_reac	620.727	0.0	310.3635	0.0
load	N_1800069144	constant_power_A	118.858	39.0667	59.429	19.53335
load	N_1800069144	constant_power_B	118.858	39.0667	59.429	19.53335
load	N_1800069144	constant_power_A_real	118.858	0.0	59.429	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069144	constant_power_B_real	118.858	0.0	59.429	0.0
load	N_1800069144	constant_power_A_reac	39.0667	0.0	19.53335	0.0
load	N_1800069144	constant_power_B_reac	39.0667	0.0	19.53335	0.0
load	N_1800200834	constant_power_A	663.257	218.002	331.6285	109.001
load	N_1800200834	constant_power_B	663.257	218.002	331.6285	109.001
load	N_1800200834	constant_power_C	663.257	218.002	331.6285	109.001
load	N_1800200834	constant_power_A_real	663.257	0.0	331.6285	0.0
load	N_1800200834	constant_power_B_real	663.257	0.0	331.6285	0.0
load	N_1800200834	constant_power_C_real	663.257	0.0	331.6285	0.0
load	N_1800200834	constant_power_A_reac	218.002	0.0	109.001	0.0
load	N_1800200834	constant_power_B_reac	218.002	0.0	109.001	0.0
load	N_1800200834	constant_power_C_reac	218.002	0.0	109.001	0.0
load	N_1800068449	constant_power_A	625.105	205.462	312.5525	102.731
load	N_1800068449	constant_power_B	625.105	205.462	312.5525	102.731
load	N_1800068449	constant_power_A_real	625.105	0.0	312.5525	0.0
load	N_1800068449	constant_power_B_real	625.105	0.0	312.5525	0.0
load	N_1800068449	constant_power_A_reac	205.462	0.0	102.731	0.0
load	N_1800068449	constant_power_B_reac	205.462	0.0	102.731	0.0
load	N_1800069399	constant_power_A	739.561	243.082	369.7805	121.541
load	N_1800069399	constant_power_C	739.561	243.082	369.7805	121.541
load	N_1800069399	constant_power_A_real	739.561	0.0	369.7805	0.0
load	N_1800069399	constant_power_C_real	739.561	0.0	369.7805	0.0
load	N_1800069399	constant_power_A_reac	243.082	0.0	121.541	0.0
load	N_1800069399	constant_power_C_reac	243.082	0.0	121.541	0.0
load	N_1800069425	constant_power_A	1809.28	594.682	904.64	297.341
load	N_1800069425	constant_power_C	1809.28	594.682	904.64	297.341
load	N_1800069425	constant_power_A_real	1809.28	0.0	904.64	0.0
load	N_1800069425	constant_power_C_real	1809.28	0.0	904.64	0.0
load	N_1800069425	constant_power_A_reac	594.682	0.0	297.341	0.0
load	N_1800069425	constant_power_C_reac	594.682	0.0	297.341	0.0
load	N_1800069421	constant_power_A	507.714	166.878	253.857	83.439
load	N_1800069421	constant_power_B	507.714	166.878	253.857	83.439
load	N_1800069421	constant_power_C	507.714	166.878	253.857	83.439
load	N_1800069421	constant_power_A_real	507.714	0.0	253.857	0.0
load	N_1800069421	constant_power_B_real	507.714	0.0	253.857	0.0
load	N_1800069421	constant_power_C_real	507.714	0.0	253.857	0.0
load	N_1800069421	constant_power_A_reac	166.878	0.0	83.439	0.0
load	N_1800069421	constant_power_B_reac	166.878	0.0	83.439	0.0
load	N_1800069421	constant_power_C_reac	166.878	0.0	83.439	0.0
load	N_1800069420	constant_power_A	1303.04	428.287	651.52	214.1435
load	N_1800069420	constant_power_B	1303.04	428.287	651.52	214.1435
load	N_1800069420	constant_power_C	1303.04	428.287	651.52	214.1435
load	N_1800069420	constant_power_A_real	1303.04	0.0	651.52	0.0
load	N_1800069420	constant_power_B_real	1303.04	0.0	651.52	0.0
load	N_1800069420	constant_power_C_real	1303.04	0.0	651.52	0.0
load	N_1800069420	constant_power_A_reac	428.287	0.0	214.1435	0.0
load	N_1800069420	constant_power_B_reac	428.287	0.0	214.1435	0.0
load	N_1800069420	constant_power_C_reac	428.287	0.0	214.1435	0.0
load	N_1800078459	constant_power_A	1241.4	408.03	620.7	204.015
load	N_1800078459	constant_power_B	1241.4	408.03	620.7	204.015
load	N_1800078459	constant_power_A_real	1241.4	0.0	620.7	0.0
load	N_1800078459	constant_power_B_real	1241.4	0.0	620.7	0.0
load	N_1800078459	constant_power_A_reac	408.03	0.0	204.015	0.0
load	N_1800078459	constant_power_B_reac	408.03	0.0	204.015	0.0
load	N_1800009210	constant_power_A	942.059	362.6	471.0295	181.3
load	N_1800009210	constant_power_B	942.059	362.6	471.0295	181.3
load	N_1800009210	constant_power_C	942.059	362.6	471.0295	181.3
load	N_1800009210	constant_power_A_real	942.059	0.0	471.0295	0.0
load	N_1800009210	constant_power_B_real	942.059	0.0	471.0295	0.0
load	N_1800009210	constant_power_C_real	942.059	0.0	471.0295	0.0
load	N_1800009210	constant_power_A_reac	362.6	0.0	181.3	0.0
load	N_1800009210	constant_power_B_reac	362.6	0.0	181.3	0.0
load	N_1800009210	constant_power_C_reac	362.6	0.0	181.3	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068932	constant_power_A	4124.81	1355.76	2062.405	677.88
load	N_1800068932	constant_power_B	4124.81	1355.76	2062.405	677.88
load	N_1800068932	constant_power_A_real	4124.81	0.0	2062.405	0.0
load	N_1800068932	constant_power_B_real	4124.81	0.0	2062.405	0.0
load	N_1800068932	constant_power_A_reac	1355.76	0.0	677.88	0.0
load	N_1800068932	constant_power_B_reac	1355.76	0.0	677.88	0.0
load	N_1800069429	constant_power_A	1100.54	361.729	550.27	180.8645
load	N_1800069429	constant_power_C	1100.54	361.729	550.27	180.8645
load	N_1800069429	constant_power_A_real	1100.54	0.0	550.27	0.0
load	N_1800069429	constant_power_C_real	1100.54	0.0	550.27	0.0
load	N_1800069429	constant_power_A_reac	361.729	0.0	180.8645	0.0
load	N_1800069429	constant_power_C_reac	361.729	0.0	180.8645	0.0
load	N_1800069428	constant_power_A	1787.27	587.448	893.635	293.724
load	N_1800069428	constant_power_C	1787.27	587.448	893.635	293.724
load	N_1800069428	constant_power_A_real	1787.27	0.0	893.635	0.0
load	N_1800069428	constant_power_C_real	1787.27	0.0	893.635	0.0
load	N_1800069428	constant_power_A_reac	587.448	0.0	293.724	0.0
load	N_1800069428	constant_power_C_reac	587.448	0.0	293.724	0.0
load	N_1800009217	constant_power_A	460.758	285.552	230.379	142.776
load	N_1800009217	constant_power_B	460.758	285.552	230.379	142.776
load	N_1800009217	constant_power_C	460.758	285.552	230.379	142.776
load	N_1800009217	constant_power_A_real	460.758	0.0	230.379	0.0
load	N_1800009217	constant_power_B_real	460.758	0.0	230.379	0.0
load	N_1800009217	constant_power_C_real	460.758	0.0	230.379	0.0
load	N_1800009217	constant_power_A_reac	285.552	0.0	142.776	0.0
load	N_1800009217	constant_power_B_reac	285.552	0.0	142.776	0.0
load	N_1800009217	constant_power_C_reac	285.552	0.0	142.776	0.0
load	N_1800069832	constant_power_A	5458.66	1794.18	2729.33	897.09
load	N_1800069832	constant_power_B	5458.66	1794.18	2729.33	897.09
load	N_1800069832	constant_power_A_real	5458.66	0.0	2729.33	0.0
load	N_1800069832	constant_power_B_real	5458.66	0.0	2729.33	0.0
load	N_1800069832	constant_power_A_reac	1794.18	0.0	897.09	0.0
load	N_1800069832	constant_power_B_reac	1794.18	0.0	897.09	0.0
load	N_1800009521	constant_power_A	3307.48	2049.79	1653.74	1024.895
load	N_1800009521	constant_power_B	3307.48	2049.79	1653.74	1024.895
load	N_1800009521	constant_power_C	3307.48	2049.79	1653.74	1024.895
load	N_1800009521	constant_power_A_real	3307.48	0.0	1653.74	0.0
load	N_1800009521	constant_power_B_real	3307.48	0.0	1653.74	0.0
load	N_1800009521	constant_power_C_real	3307.48	0.0	1653.74	0.0
load	N_1800009521	constant_power_A_reac	2049.79	0.0	1024.895	0.0
load	N_1800009521	constant_power_B_reac	2049.79	0.0	1024.895	0.0
load	N_1800009521	constant_power_C_reac	2049.79	0.0	1024.895	0.0
load	N_1800013707	constant_power_A	633.909	232.7	316.9545	116.35
load	N_1800013707	constant_power_B	633.909	232.7	316.9545	116.35
load	N_1800013707	constant_power_A_real	633.909	0.0	316.9545	0.0
load	N_1800013707	constant_power_B_real	633.909	0.0	316.9545	0.0
load	N_1800013707	constant_power_A_reac	232.7	0.0	116.35	0.0
load	N_1800013707	constant_power_B_reac	232.7	0.0	116.35	0.0
load	N_1800014012	constant_power_A	44000.0	27268.8	22000.0	13634.4
load	N_1800014012	constant_power_B	44000.0	27268.8	22000.0	13634.4
load	N_1800014012	constant_power_C	44000.0	27268.8	22000.0	13634.4
load	N_1800014012	constant_power_A_real	44000.0	0.0	22000.0	0.0
load	N_1800014012	constant_power_B_real	44000.0	0.0	22000.0	0.0
load	N_1800014012	constant_power_C_real	44000.0	0.0	22000.0	0.0
load	N_1800014012	constant_power_A_reac	27268.8	0.0	13634.4	0.0
load	N_1800014012	constant_power_B_reac	27268.8	0.0	13634.4	0.0
load	N_1800014012	constant_power_C_reac	27268.8	0.0	13634.4	0.0
load	N_1800068352	constant_power_A	2007.38	1244.06	1003.69	622.03
load	N_1800068352	constant_power_B	2007.38	1244.06	1003.69	622.03
load	N_1800068352	constant_power_C	2007.38	1244.06	1003.69	622.03
load	N_1800068352	constant_power_A_real	2007.38	0.0	1003.69	0.0
load	N_1800068352	constant_power_B_real	2007.38	0.0	1003.69	0.0
load	N_1800068352	constant_power_C_real	2007.38	0.0	1003.69	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068352	constant_power_A_reac	1244.06	0.0	622.03	0.0
load	N_1800068352	constant_power_B_reac	1244.06	0.0	622.03	0.0
load	N_1800068352	constant_power_C_reac	1244.06	0.0	622.03	0.0
load	N_1800068069	constant_power_A	1888.52	620.727	944.26	310.3635
load	N_1800068069	constant_power_B	1888.52	620.727	944.26	310.3635
load	N_1800068069	constant_power_A_real	1888.52	0.0	944.26	0.0
load	N_1800068069	constant_power_B_real	1888.52	0.0	944.26	0.0
load	N_1800068069	constant_power_A_reac	620.727	0.0	310.3635	0.0
load	N_1800068069	constant_power_B_reac	620.727	0.0	310.3635	0.0
load	N_1800021736	constant_power_A	427.008	140.351	213.504	70.1755
load	N_1800021736	constant_power_B	427.008	140.351	213.504	70.1755
load	N_1800021736	constant_power_A_real	427.008	0.0	213.504	0.0
load	N_1800021736	constant_power_B_real	427.008	0.0	213.504	0.0
load	N_1800021736	constant_power_A_reac	140.351	0.0	70.1755	0.0
load	N_1800021736	constant_power_B_reac	140.351	0.0	70.1755	0.0
load	N_1800068063	constant_power_A	1721.24	565.744	860.62	282.872
load	N_1800068063	constant_power_B	1721.24	565.744	860.62	282.872
load	N_1800068063	constant_power_A_real	1721.24	0.0	860.62	0.0
load	N_1800068063	constant_power_B_real	1721.24	0.0	860.62	0.0
load	N_1800068063	constant_power_A_reac	565.744	0.0	282.872	0.0
load	N_1800068063	constant_power_B_reac	565.744	0.0	282.872	0.0
load	N_1800068066	constant_power_A	721.952	237.294	360.976	118.647
load	N_1800068066	constant_power_B	721.952	237.294	360.976	118.647
load	N_1800068066	constant_power_A_real	721.952	0.0	360.976	0.0
load	N_1800068066	constant_power_B_real	721.952	0.0	360.976	0.0
load	N_1800068066	constant_power_A_reac	237.294	0.0	118.647	0.0
load	N_1800068066	constant_power_B_reac	237.294	0.0	118.647	0.0
load	N_1800068067	constant_power_A	1835.69	603.364	917.845	301.682
load	N_1800068067	constant_power_B	1835.69	603.364	917.845	301.682
load	N_1800068067	constant_power_A_real	1835.69	0.0	917.845	0.0
load	N_1800068067	constant_power_B_real	1835.69	0.0	917.845	0.0
load	N_1800068067	constant_power_A_reac	603.364	0.0	301.682	0.0
load	N_1800068067	constant_power_B_reac	603.364	0.0	301.682	0.0
load	N_1800068065	constant_power_A	2333.14	1445.95	1166.57	722.975
load	N_1800068065	constant_power_B	2333.14	1445.95	1166.57	722.975
load	N_1800068065	constant_power_C	2333.14	1445.95	1166.57	722.975
load	N_1800068065	constant_power_A_real	2333.14	0.0	1166.57	0.0
load	N_1800068065	constant_power_B_real	2333.14	0.0	1166.57	0.0
load	N_1800068065	constant_power_C_real	2333.14	0.0	1166.57	0.0
load	N_1800068065	constant_power_A_reac	1445.95	0.0	722.975	0.0
load	N_1800068065	constant_power_B_reac	1445.95	0.0	722.975	0.0
load	N_1800068065	constant_power_C_reac	1445.95	0.0	722.975	0.0
load	N_1800021449	constant_power_A	1646.4	541.146	823.2	270.573
load	N_1800021449	constant_power_B	1646.4	541.146	823.2	270.573
load	N_1800021449	constant_power_A_real	1646.4	0.0	823.2	0.0
load	N_1800021449	constant_power_B_real	1646.4	0.0	823.2	0.0
load	N_1800021449	constant_power_A_reac	541.146	0.0	270.573	0.0
load	N_1800021449	constant_power_B_reac	541.146	0.0	270.573	0.0
load	N_1800021114	constant_power_A	63464.8	39332.0	31732.4	19666.0
load	N_1800021114	constant_power_B	63464.8	39332.0	31732.4	19666.0
load	N_1800021114	constant_power_C	63464.8	39332.0	31732.4	19666.0
load	N_1800021114	constant_power_A_real	63464.8	0.0	31732.4	0.0
load	N_1800021114	constant_power_B_real	63464.8	0.0	31732.4	0.0
load	N_1800021114	constant_power_C_real	63464.8	0.0	31732.4	0.0
load	N_1800021114	constant_power_A_reac	39332.0	0.0	19666.0	0.0
load	N_1800021114	constant_power_B_reac	39332.0	0.0	19666.0	0.0
load	N_1800021114	constant_power_C_reac	39332.0	0.0	19666.0	0.0
load	N_1800022640	constant_power_A	139333.0	86351.0	69666.5	43175.5
load	N_1800022640	constant_power_B	139333.0	86351.0	69666.5	43175.5
load	N_1800022640	constant_power_C	139333.0	86351.0	69666.5	43175.5
load	N_1800022640	constant_power_A_real	139333.0	0.0	69666.5	0.0
load	N_1800022640	constant_power_B_real	139333.0	0.0	69666.5	0.0
load	N_1800022640	constant_power_C_real	139333.0	0.0	69666.5	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800022640	constant_power_A_reac	86351.0	0.0	43175.5	0.0
load	N_1800022640	constant_power_B_reac	86351.0	0.0	43175.5	0.0
load	N_1800022640	constant_power_C_reac	86351.0	0.0	43175.5	0.0
load	N_1800068175	constant_power_A	140.869	46.3014	70.4345	23.1507
load	N_1800068175	constant_power_B	140.869	46.3014	70.4345	23.1507
load	N_1800068175	constant_power_A_real	140.869	0.0	70.4345	0.0
load	N_1800068175	constant_power_B_real	140.869	0.0	70.4345	0.0
load	N_1800068175	constant_power_A_reac	46.3014	0.0	23.1507	0.0
load	N_1800068175	constant_power_B_reac	46.3014	0.0	23.1507	0.0
load	N_1800008499	constant_power_A	2292.05	753.361	1146.025	376.6805
load	N_1800008499	constant_power_B	2292.05	753.361	1146.025	376.6805
load	N_1800008499	constant_power_C	2292.05	753.361	1146.025	376.6805
load	N_1800008499	constant_power_A_real	2292.05	0.0	1146.025	0.0
load	N_1800008499	constant_power_B_real	2292.05	0.0	1146.025	0.0
load	N_1800008499	constant_power_C_real	2292.05	0.0	1146.025	0.0
load	N_1800008499	constant_power_A_reac	753.361	0.0	376.6805	0.0
load	N_1800008499	constant_power_B_reac	753.361	0.0	376.6805	0.0
load	N_1800008499	constant_power_C_reac	753.361	0.0	376.6805	0.0
load	N_1800203026	constant_power_A	603.094	198.227	301.547	99.1135
load	N_1800203026	constant_power_B	603.094	198.227	301.547	99.1135
load	N_1800203026	constant_power_A_real	603.094	0.0	301.547	0.0
load	N_1800203026	constant_power_B_real	603.094	0.0	301.547	0.0
load	N_1800203026	constant_power_A_reac	198.227	0.0	99.1135	0.0
load	N_1800203026	constant_power_B_reac	198.227	0.0	99.1135	0.0
load	N_1800003245	constant_power_A	1201.79	398.851	600.895	199.4255
load	N_1800003245	constant_power_C	1201.79	398.851	600.895	199.4255
load	N_1800003245	constant_power_A_real	1201.79	0.0	600.895	0.0
load	N_1800003245	constant_power_C_real	1201.79	0.0	600.895	0.0
load	N_1800003245	constant_power_A_reac	398.851	0.0	199.4255	0.0
load	N_1800003245	constant_power_C_reac	398.851	0.0	199.4255	0.0
load	N_1800195565	constant_power_A	4358.12	2700.92	2179.06	1350.46
load	N_1800195565	constant_power_B	4358.12	2700.92	2179.06	1350.46
load	N_1800195565	constant_power_C	4358.12	2700.92	2179.06	1350.46
load	N_1800195565	constant_power_A_real	4358.12	0.0	2179.06	0.0
load	N_1800195565	constant_power_B_real	4358.12	0.0	2179.06	0.0
load	N_1800195565	constant_power_C_real	4358.12	0.0	2179.06	0.0
load	N_1800195565	constant_power_A_reac	2700.92	0.0	1350.46	0.0
load	N_1800195565	constant_power_B_reac	2700.92	0.0	1350.46	0.0
load	N_1800195565	constant_power_C_reac	2700.92	0.0	1350.46	0.0
load	N_1800044761	constant_power_A	6603.22	2170.37	3301.61	1085.185
load	N_1800044761	constant_power_B	6603.22	2170.37	3301.61	1085.185
load	N_1800044761	constant_power_A_real	6603.22	0.0	3301.61	0.0
load	N_1800044761	constant_power_B_real	6603.22	0.0	3301.61	0.0
load	N_1800044761	constant_power_A_reac	2170.37	0.0	1085.185	0.0
load	N_1800044761	constant_power_B_reac	2170.37	0.0	1085.185	0.0
load	N_1800044760	constant_power_A	8280.44	2721.65	4140.22	1360.825
load	N_1800044760	constant_power_B	8280.44	2721.65	4140.22	1360.825
load	N_1800044760	constant_power_A_real	8280.44	0.0	4140.22	0.0
load	N_1800044760	constant_power_B_real	8280.44	0.0	4140.22	0.0
load	N_1800044760	constant_power_A_reac	2721.65	0.0	1360.825	0.0
load	N_1800044760	constant_power_B_reac	2721.65	0.0	1360.825	0.0
load	N_1800067485	constant_power_A	770.376	253.21	385.188	126.605
load	N_1800067485	constant_power_B	770.376	253.21	385.188	126.605
load	N_1800067485	constant_power_A_real	770.376	0.0	385.188	0.0
load	N_1800067485	constant_power_B_real	770.376	0.0	385.188	0.0
load	N_1800067485	constant_power_A_reac	253.21	0.0	126.605	0.0
load	N_1800067485	constant_power_B_reac	253.21	0.0	126.605	0.0
load	N_1800067487	constant_power_A	41.0867	25.4632	20.54335	12.7316
load	N_1800067487	constant_power_B	41.0867	25.4632	20.54335	12.7316
load	N_1800067487	constant_power_C	41.0867	25.4632	20.54335	12.7316
load	N_1800067487	constant_power_A_real	41.0867	0.0	20.54335	0.0
load	N_1800067487	constant_power_B_real	41.0867	0.0	20.54335	0.0
load	N_1800067487	constant_power_C_real	41.0867	0.0	20.54335	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067487	constant_power_A_reac	25.4632	0.0	12.7316	0.0
load	N_1800067487	constant_power_B_reac	25.4632	0.0	12.7316	0.0
load	N_1800067487	constant_power_C_reac	25.4632	0.0	12.7316	0.0
load	N_1800019560	constant_power_A	25000.0	15493.6	12500.0	7746.8
load	N_1800019560	constant_power_B	25000.0	15493.6	12500.0	7746.8
load	N_1800019560	constant_power_C	25000.0	15493.6	12500.0	7746.8
load	N_1800019560	constant_power_A_real	25000.0	0.0	12500.0	0.0
load	N_1800019560	constant_power_B_real	25000.0	0.0	12500.0	0.0
load	N_1800019560	constant_power_C_real	25000.0	0.0	12500.0	0.0
load	N_1800019560	constant_power_A_reac	15493.6	0.0	7746.8	0.0
load	N_1800019560	constant_power_B_reac	15493.6	0.0	7746.8	0.0
load	N_1800019560	constant_power_C_reac	15493.6	0.0	7746.8	0.0
load	N_1800077152	constant_power_A	308.15	101.284	154.075	50.642
load	N_1800077152	constant_power_B	308.15	101.284	154.075	50.642
load	N_1800077152	constant_power_A_real	308.15	0.0	154.075	0.0
load	N_1800077152	constant_power_B_real	308.15	0.0	154.075	0.0
load	N_1800077152	constant_power_A_reac	101.284	0.0	50.642	0.0
load	N_1800077152	constant_power_B_reac	101.284	0.0	50.642	0.0
load	N_1800021021	constant_power_A	1769.66	581.66	884.83	290.83
load	N_1800021021	constant_power_A_real	1769.66	0.0	884.83	0.0
load	N_1800021021	constant_power_A_reac	581.66	0.0	290.83	0.0
load	N_1800025039	constant_power_A	701.409	230.542	350.7045	115.271
load	N_1800025039	constant_power_B	701.409	230.542	350.7045	115.271
load	N_1800025039	constant_power_C	701.409	230.542	350.7045	115.271
load	N_1800025039	constant_power_A_real	701.409	0.0	350.7045	0.0
load	N_1800025039	constant_power_B_real	701.409	0.0	350.7045	0.0
load	N_1800025039	constant_power_C_real	701.409	0.0	350.7045	0.0
load	N_1800025039	constant_power_A_reac	230.542	0.0	115.271	0.0
load	N_1800025039	constant_power_B_reac	230.542	0.0	115.271	0.0
load	N_1800025039	constant_power_C_reac	230.542	0.0	115.271	0.0
load	N_1800069542	constant_power_A	2240.69	736.48	1120.345	368.24
load	N_1800069542	constant_power_B	2240.69	736.48	1120.345	368.24
load	N_1800069542	constant_power_A_real	2240.69	0.0	1120.345	0.0
load	N_1800069542	constant_power_B_real	2240.69	0.0	1120.345	0.0
load	N_1800069542	constant_power_A_reac	736.48	0.0	368.24	0.0
load	N_1800069542	constant_power_B_reac	736.48	0.0	368.24	0.0
load	N_1800043645	constant_power_A	3107.91	1021.52	1553.955	510.76
load	N_1800043645	constant_power_B	3107.91	1021.52	1553.955	510.76
load	N_1800043645	constant_power_A_real	3107.91	0.0	1553.955	0.0
load	N_1800043645	constant_power_B_real	3107.91	0.0	1553.955	0.0
load	N_1800043645	constant_power_A_reac	1021.52	0.0	510.76	0.0
load	N_1800043645	constant_power_B_reac	1021.52	0.0	510.76	0.0
load	N_1800043644	constant_power_A	792.386	260.445	396.193	130.2225
load	N_1800043644	constant_power_B	792.386	260.445	396.193	130.2225
load	N_1800043644	constant_power_A_real	792.386	0.0	396.193	0.0
load	N_1800043644	constant_power_B_real	792.386	0.0	396.193	0.0
load	N_1800043644	constant_power_A_reac	260.445	0.0	130.2225	0.0
load	N_1800043644	constant_power_B_reac	260.445	0.0	130.2225	0.0
load	N_1800012890	constant_power_A	331.628	205.525	165.814	102.7625
load	N_1800012890	constant_power_B	331.628	205.525	165.814	102.7625
load	N_1800012890	constant_power_C	331.628	205.525	165.814	102.7625
load	N_1800012890	constant_power_A_real	331.628	0.0	165.814	0.0
load	N_1800012890	constant_power_B_real	331.628	0.0	165.814	0.0
load	N_1800012890	constant_power_C_real	331.628	0.0	165.814	0.0
load	N_1800012890	constant_power_A_reac	205.525	0.0	102.7625	0.0
load	N_1800012890	constant_power_B_reac	205.525	0.0	102.7625	0.0
load	N_1800012890	constant_power_C_reac	205.525	0.0	102.7625	0.0
load	N_1800029172	constant_power_A	2883.41	947.73	1441.705	473.865
load	N_1800029172	constant_power_B	2883.41	947.73	1441.705	473.865
load	N_1800029172	constant_power_A_real	2883.41	0.0	1441.705	0.0
load	N_1800029172	constant_power_B_real	2883.41	0.0	1441.705	0.0
load	N_1800029172	constant_power_A_reac	947.73	0.0	473.865	0.0
load	N_1800029172	constant_power_B_reac	947.73	0.0	473.865	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071905	constant_power_A	1323.58	451.269	661.79	225.6345
load	N_1800071905	constant_power_B	1323.58	451.269	661.79	225.6345
load	N_1800071905	constant_power_C	1323.58	451.269	661.79	225.6345
load	N_1800071905	constant_power_A_real	1323.58	0.0	661.79	0.0
load	N_1800071905	constant_power_B_real	1323.58	0.0	661.79	0.0
load	N_1800071905	constant_power_C_real	1323.58	0.0	661.79	0.0
load	N_1800071905	constant_power_A_reac	451.269	0.0	225.6345	0.0
load	N_1800071905	constant_power_B_reac	451.269	0.0	225.6345	0.0
load	N_1800071905	constant_power_C_reac	451.269	0.0	225.6345	0.0
load	N_1800035465	constant_power_A	3636.17	1195.15	1818.085	597.575
load	N_1800035465	constant_power_B	3636.17	1195.15	1818.085	597.575
load	N_1800035465	constant_power_C	3636.17	1195.15	1818.085	597.575
load	N_1800035465	constant_power_A_real	3636.17	0.0	1818.085	0.0
load	N_1800035465	constant_power_B_real	3636.17	0.0	1818.085	0.0
load	N_1800035465	constant_power_C_real	3636.17	0.0	1818.085	0.0
load	N_1800035465	constant_power_A_reac	1195.15	0.0	597.575	0.0
load	N_1800035465	constant_power_B_reac	1195.15	0.0	597.575	0.0
load	N_1800035465	constant_power_C_reac	1195.15	0.0	597.575	0.0
load	N_1800081738	constant_power_A	8.804	5.45623	4.402	2.728115
load	N_1800081738	constant_power_C	8.804	5.45623	4.402	2.728115
load	N_1800081738	constant_power_A_real	8.804	0.0	4.402	0.0
load	N_1800081738	constant_power_C_real	8.804	0.0	4.402	0.0
load	N_1800081738	constant_power_A_reac	5.45623	0.0	2.728115	0.0
load	N_1800081738	constant_power_C_reac	5.45623	0.0	2.728115	0.0
load	N_1800020648	constant_power_A	155.542	96.3965	77.771	48.19825
load	N_1800020648	constant_power_B	155.542	96.3965	77.771	48.19825
load	N_1800020648	constant_power_C	155.542	96.3965	77.771	48.19825
load	N_1800020648	constant_power_A_real	155.542	0.0	77.771	0.0
load	N_1800020648	constant_power_B_real	155.542	0.0	77.771	0.0
load	N_1800020648	constant_power_C_real	155.542	0.0	77.771	0.0
load	N_1800020648	constant_power_A_reac	96.3965	0.0	48.19825	0.0
load	N_1800020648	constant_power_B_reac	96.3965	0.0	48.19825	0.0
load	N_1800020648	constant_power_C_reac	96.3965	0.0	48.19825	0.0
load	N_1800080866	constant_power_A	2180.53	716.705	1090.265	358.3525
load	N_1800080866	constant_power_B	2180.53	716.705	1090.265	358.3525
load	N_1800080866	constant_power_C	2180.53	716.705	1090.265	358.3525
load	N_1800080866	constant_power_A_real	2180.53	0.0	1090.265	0.0
load	N_1800080866	constant_power_B_real	2180.53	0.0	1090.265	0.0
load	N_1800080866	constant_power_C_real	2180.53	0.0	1090.265	0.0
load	N_1800080866	constant_power_A_reac	716.705	0.0	358.3525	0.0
load	N_1800080866	constant_power_B_reac	716.705	0.0	358.3525	0.0
load	N_1800080866	constant_power_C_reac	716.705	0.0	358.3525	0.0
load	N_1800081737	constant_power_A	2189.33	719.599	1094.665	359.7995
load	N_1800081737	constant_power_B	2189.33	719.599	1094.665	359.7995
load	N_1800081737	constant_power_C	2189.33	719.599	1094.665	359.7995
load	N_1800081737	constant_power_A_real	2189.33	0.0	1094.665	0.0
load	N_1800081737	constant_power_B_real	2189.33	0.0	1094.665	0.0
load	N_1800081737	constant_power_C_real	2189.33	0.0	1094.665	0.0
load	N_1800081737	constant_power_A_reac	719.599	0.0	359.7995	0.0
load	N_1800081737	constant_power_B_reac	719.599	0.0	359.7995	0.0
load	N_1800081737	constant_power_C_reac	719.599	0.0	359.7995	0.0
load	N_1800081644	constant_power_A	314.02	103.213	157.01	51.6065
load	N_1800081644	constant_power_B	314.02	103.213	157.01	51.6065
load	N_1800081644	constant_power_C	314.02	103.213	157.01	51.6065
load	N_1800081644	constant_power_A_real	314.02	0.0	157.01	0.0
load	N_1800081644	constant_power_B_real	314.02	0.0	157.01	0.0
load	N_1800081644	constant_power_C_real	314.02	0.0	157.01	0.0
load	N_1800081644	constant_power_A_reac	103.213	0.0	51.6065	0.0
load	N_1800081644	constant_power_B_reac	103.213	0.0	51.6065	0.0
load	N_1800081644	constant_power_C_reac	103.213	0.0	51.6065	0.0
load	N_1800068487	constant_power_A	5331.0	1752.21	2665.5	876.105
load	N_1800068487	constant_power_B	5331.0	1752.21	2665.5	876.105
load	N_1800068487	constant_power_A_real	5331.0	0.0	2665.5	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068487	constant_power_B_real	5331.0	0.0	2665.5	0.0
load	N_1800068487	constant_power_A_reac	1752.21	0.0	876.105	0.0
load	N_1800068487	constant_power_B_reac	1752.21	0.0	876.105	0.0
load	N_1800191446	constant_power_A	1254.61	412.371	627.305	206.1855
load	N_1800191446	constant_power_B	1254.61	412.371	627.305	206.1855
load	N_1800191446	constant_power_A_real	1254.61	0.0	627.305	0.0
load	N_1800191446	constant_power_B_real	1254.61	0.0	627.305	0.0
load	N_1800191446	constant_power_A_reac	412.371	0.0	206.1855	0.0
load	N_1800191446	constant_power_B_reac	412.371	0.0	206.1855	0.0
load	N_1800046118	constant_power_A	1024.23	336.649	512.115	168.3245
load	N_1800046118	constant_power_B	1024.23	336.649	512.115	168.3245
load	N_1800046118	constant_power_C	1024.23	336.649	512.115	168.3245
load	N_1800046118	constant_power_A_real	1024.23	0.0	512.115	0.0
load	N_1800046118	constant_power_B_real	1024.23	0.0	512.115	0.0
load	N_1800046118	constant_power_C_real	1024.23	0.0	512.115	0.0
load	N_1800046118	constant_power_A_reac	336.649	0.0	168.3245	0.0
load	N_1800046118	constant_power_B_reac	336.649	0.0	168.3245	0.0
load	N_1800046118	constant_power_C_reac	336.649	0.0	168.3245	0.0
load	N_1800046119	constant_power_A	378.585	124.435	189.2925	62.2175
load	N_1800046119	constant_power_B	378.585	124.435	189.2925	62.2175
load	N_1800046119	constant_power_A_real	378.585	0.0	189.2925	0.0
load	N_1800046119	constant_power_B_real	378.585	0.0	189.2925	0.0
load	N_1800046119	constant_power_A_reac	124.435	0.0	62.2175	0.0
load	N_1800046119	constant_power_B_reac	124.435	0.0	62.2175	0.0
load	N_1800024188	constant_power_A	3407.26	1119.91	1703.63	559.955
load	N_1800024188	constant_power_B	3407.26	1119.91	1703.63	559.955
load	N_1800024188	constant_power_A_real	3407.26	0.0	1703.63	0.0
load	N_1800024188	constant_power_B_real	3407.26	0.0	1703.63	0.0
load	N_1800024188	constant_power_A_reac	1119.91	0.0	559.955	0.0
load	N_1800024188	constant_power_B_reac	1119.91	0.0	559.955	0.0
load	N_1800072588	constant_power_A	516.518	320.109	258.259	160.0545
load	N_1800072588	constant_power_B	516.518	320.109	258.259	160.0545
load	N_1800072588	constant_power_C	516.518	320.109	258.259	160.0545
load	N_1800072588	constant_power_A_real	516.518	0.0	258.259	0.0
load	N_1800072588	constant_power_B_real	516.518	0.0	258.259	0.0
load	N_1800072588	constant_power_C_real	516.518	0.0	258.259	0.0
load	N_1800072588	constant_power_A_reac	320.109	0.0	160.0545	0.0
load	N_1800072588	constant_power_B_reac	320.109	0.0	160.0545	0.0
load	N_1800072588	constant_power_C_reac	320.109	0.0	160.0545	0.0
load	N_1800067576	constant_power_A	616.3	202.568	308.15	101.284
load	N_1800067576	constant_power_B	616.3	202.568	308.15	101.284
load	N_1800067576	constant_power_A_real	616.3	0.0	308.15	0.0
load	N_1800067576	constant_power_B_real	616.3	0.0	308.15	0.0
load	N_1800067576	constant_power_A_reac	202.568	0.0	101.284	0.0
load	N_1800067576	constant_power_B_reac	202.568	0.0	101.284	0.0
load	N_1800027850	constant_power_A	3504.11	1151.74	1752.055	575.87
load	N_1800027850	constant_power_C	3504.11	1151.74	1752.055	575.87
load	N_1800027850	constant_power_A_real	3504.11	0.0	1752.055	0.0
load	N_1800027850	constant_power_C_real	3504.11	0.0	1752.055	0.0
load	N_1800027850	constant_power_A_reac	1151.74	0.0	575.87	0.0
load	N_1800027850	constant_power_C_reac	1151.74	0.0	575.87	0.0
load	N_1800027851	constant_power_A	277.335	91.1556	138.6675	45.5778
load	N_1800027851	constant_power_C	277.335	91.1556	138.6675	45.5778
load	N_1800027851	constant_power_A_real	277.335	0.0	138.6675	0.0
load	N_1800027851	constant_power_C_real	277.335	0.0	138.6675	0.0
load	N_1800027851	constant_power_A_reac	91.1556	0.0	45.5778	0.0
load	N_1800027851	constant_power_C_reac	91.1556	0.0	45.5778	0.0
load	N_1800043515	constant_power_A	1382.27	454.331	691.135	227.1655
load	N_1800043515	constant_power_B	1382.27	454.331	691.135	227.1655
load	N_1800043515	constant_power_A_real	1382.27	0.0	691.135	0.0
load	N_1800043515	constant_power_B_real	1382.27	0.0	691.135	0.0
load	N_1800043515	constant_power_A_reac	454.331	0.0	227.1655	0.0
load	N_1800043515	constant_power_B_reac	454.331	0.0	227.1655	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071279	constant_power_A	739.561	243.082	369.7805	121.541
load	N_1800071279	constant_power_B	739.561	243.082	369.7805	121.541
load	N_1800071279	constant_power_A_real	739.561	0.0	369.7805	0.0
load	N_1800071279	constant_power_B_real	739.561	0.0	369.7805	0.0
load	N_1800071279	constant_power_A_reac	243.082	0.0	121.541	0.0
load	N_1800071279	constant_power_B_reac	243.082	0.0	121.541	0.0
load	N_1800071835	constant_power_A	942.059	309.64	471.0295	154.82
load	N_1800071835	constant_power_B	942.059	309.64	471.0295	154.82
load	N_1800071835	constant_power_C	942.059	309.64	471.0295	154.82
load	N_1800071835	constant_power_A_real	942.059	0.0	471.0295	0.0
load	N_1800071835	constant_power_B_real	942.059	0.0	471.0295	0.0
load	N_1800071835	constant_power_C_real	942.059	0.0	471.0295	0.0
load	N_1800071835	constant_power_A_reac	309.64	0.0	154.82	0.0
load	N_1800071835	constant_power_B_reac	309.64	0.0	154.82	0.0
load	N_1800071835	constant_power_C_reac	309.64	0.0	154.82	0.0
load	N_1800019558	constant_power_A	2209.88	726.352	1104.94	363.176
load	N_1800019558	constant_power_B	2209.88	726.352	1104.94	363.176
load	N_1800019558	constant_power_C	2209.88	726.352	1104.94	363.176
load	N_1800019558	constant_power_A_real	2209.88	0.0	1104.94	0.0
load	N_1800019558	constant_power_B_real	2209.88	0.0	1104.94	0.0
load	N_1800019558	constant_power_C_real	2209.88	0.0	1104.94	0.0
load	N_1800019558	constant_power_A_reac	726.352	0.0	363.176	0.0
load	N_1800019558	constant_power_B_reac	726.352	0.0	363.176	0.0
load	N_1800019558	constant_power_C_reac	726.352	0.0	363.176	0.0
load	N_1800031410	constant_power_A	1342.65	441.309	671.325	220.6545
load	N_1800031410	constant_power_B	1342.65	441.309	671.325	220.6545
load	N_1800031410	constant_power_A_real	1342.65	0.0	671.325	0.0
load	N_1800031410	constant_power_B_real	1342.65	0.0	671.325	0.0
load	N_1800031410	constant_power_A_reac	441.309	0.0	220.6545	0.0
load	N_1800031410	constant_power_B_reac	441.309	0.0	220.6545	0.0
load	N_1800031412	constant_power_A	1276.62	419.605	638.31	209.8025
load	N_1800031412	constant_power_B	1276.62	419.605	638.31	209.8025
load	N_1800031412	constant_power_C	1276.62	419.605	638.31	209.8025
load	N_1800031412	constant_power_A_real	1276.62	0.0	638.31	0.0
load	N_1800031412	constant_power_B_real	1276.62	0.0	638.31	0.0
load	N_1800031412	constant_power_C_real	1276.62	0.0	638.31	0.0
load	N_1800031412	constant_power_A_reac	419.605	0.0	209.8025	0.0
load	N_1800031412	constant_power_B_reac	419.605	0.0	209.8025	0.0
load	N_1800031412	constant_power_C_reac	419.605	0.0	209.8025	0.0
load	N_1800012390	constant_power_A	560.54	347.391	280.27	173.6955
load	N_1800012390	constant_power_B	560.54	347.391	280.27	173.6955
load	N_1800012390	constant_power_C	560.54	347.391	280.27	173.6955
load	N_1800012390	constant_power_A_real	560.54	0.0	280.27	0.0
load	N_1800012390	constant_power_B_real	560.54	0.0	280.27	0.0
load	N_1800012390	constant_power_C_real	560.54	0.0	280.27	0.0
load	N_1800012390	constant_power_A_reac	347.391	0.0	173.6955	0.0
load	N_1800012390	constant_power_B_reac	347.391	0.0	173.6955	0.0
load	N_1800012390	constant_power_C_reac	347.391	0.0	173.6955	0.0
load	N_1800013142	constant_power_A	1998.57	656.9	999.285	328.45
load	N_1800013142	constant_power_B	1998.57	656.9	999.285	328.45
load	N_1800013142	constant_power_A_real	1998.57	0.0	999.285	0.0
load	N_1800013142	constant_power_B_real	1998.57	0.0	999.285	0.0
load	N_1800013142	constant_power_A_reac	656.9	0.0	328.45	0.0
load	N_1800013142	constant_power_B_reac	656.9	0.0	328.45	0.0
load	N_1800199534	constant_power_A	880.429	545.641	440.2145	272.8205
load	N_1800199534	constant_power_B	880.429	545.641	440.2145	272.8205
load	N_1800199534	constant_power_A_real	880.429	0.0	440.2145	0.0
load	N_1800199534	constant_power_B_real	880.429	0.0	440.2145	0.0
load	N_1800199534	constant_power_A_reac	545.641	0.0	272.8205	0.0
load	N_1800199534	constant_power_B_reac	545.641	0.0	272.8205	0.0
load	N_1800002310	constant_power_A	249.455	81.9919	124.7275	40.99595
load	N_1800002310	constant_power_B	249.455	81.9919	124.7275	40.99595
load	N_1800002310	constant_power_C	249.455	81.9919	124.7275	40.99595

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800002310	constant_power_A_real	249.455	0.0	124.7275	0.0
load	N_1800002310	constant_power_B_real	249.455	0.0	124.7275	0.0
load	N_1800002310	constant_power_C_real	249.455	0.0	124.7275	0.0
load	N_1800002310	constant_power_A_reac	81.9919	0.0	40.99595	0.0
load	N_1800002310	constant_power_B_reac	81.9919	0.0	40.99595	0.0
load	N_1800002310	constant_power_C_reac	81.9919	0.0	40.99595	0.0
load	N_1800002312	constant_power_A	1021.3	335.684	510.65	167.842
load	N_1800002312	constant_power_B	1021.3	335.684	510.65	167.842
load	N_1800002312	constant_power_C	1021.3	335.684	510.65	167.842
load	N_1800002312	constant_power_A_real	1021.3	0.0	510.65	0.0
load	N_1800002312	constant_power_B_real	1021.3	0.0	510.65	0.0
load	N_1800002312	constant_power_C_real	1021.3	0.0	510.65	0.0
load	N_1800002312	constant_power_A_reac	335.684	0.0	167.842	0.0
load	N_1800002312	constant_power_B_reac	335.684	0.0	167.842	0.0
load	N_1800002312	constant_power_C_reac	335.684	0.0	167.842	0.0
load	N_1800073740	constant_power_A	563.475	185.205	281.7375	92.6025
load	N_1800073740	constant_power_B	563.475	185.205	281.7375	92.6025
load	N_1800073740	constant_power_C	563.475	185.205	281.7375	92.6025
load	N_1800073740	constant_power_A_real	563.475	0.0	281.7375	0.0
load	N_1800073740	constant_power_B_real	563.475	0.0	281.7375	0.0
load	N_1800073740	constant_power_C_real	563.475	0.0	281.7375	0.0
load	N_1800073740	constant_power_A_reac	185.205	0.0	92.6025	0.0
load	N_1800073740	constant_power_B_reac	185.205	0.0	92.6025	0.0
load	N_1800073740	constant_power_C_reac	185.205	0.0	92.6025	0.0
load	N_1800003771	constant_power_A	490.106	161.09	245.053	80.545
load	N_1800003771	constant_power_B	490.106	161.09	245.053	80.545
load	N_1800003771	constant_power_C	490.106	161.09	245.053	80.545
load	N_1800003771	constant_power_A_real	490.106	0.0	245.053	0.0
load	N_1800003771	constant_power_B_real	490.106	0.0	245.053	0.0
load	N_1800003771	constant_power_C_real	490.106	0.0	245.053	0.0
load	N_1800003771	constant_power_A_reac	161.09	0.0	80.545	0.0
load	N_1800003771	constant_power_B_reac	161.09	0.0	80.545	0.0
load	N_1800003771	constant_power_C_reac	161.09	0.0	80.545	0.0
load	N_1800003773	constant_power_A	2881.94	947.247	1440.97	473.6235
load	N_1800003773	constant_power_B	2881.94	947.247	1440.97	473.6235
load	N_1800003773	constant_power_C	2881.94	947.247	1440.97	473.6235
load	N_1800003773	constant_power_A_real	2881.94	0.0	1440.97	0.0
load	N_1800003773	constant_power_B_real	2881.94	0.0	1440.97	0.0
load	N_1800003773	constant_power_C_real	2881.94	0.0	1440.97	0.0
load	N_1800003773	constant_power_A_reac	947.247	0.0	473.6235	0.0
load	N_1800003773	constant_power_B_reac	947.247	0.0	473.6235	0.0
load	N_1800003773	constant_power_C_reac	947.247	0.0	473.6235	0.0
load	N_1800003777	constant_power_A	434.345	269.183	217.1725	134.5915
load	N_1800003777	constant_power_B	434.345	269.183	217.1725	134.5915
load	N_1800003777	constant_power_C	434.345	269.183	217.1725	134.5915
load	N_1800003777	constant_power_A_real	434.345	0.0	217.1725	0.0
load	N_1800003777	constant_power_B_real	434.345	0.0	217.1725	0.0
load	N_1800003777	constant_power_C_real	434.345	0.0	217.1725	0.0
load	N_1800003777	constant_power_A_reac	269.183	0.0	134.5915	0.0
load	N_1800003777	constant_power_B_reac	269.183	0.0	134.5915	0.0
load	N_1800003777	constant_power_C_reac	269.183	0.0	134.5915	0.0
load	N_1800003776	constant_power_A	255.324	158.236	127.662	79.118
load	N_1800003776	constant_power_B	255.324	158.236	127.662	79.118
load	N_1800003776	constant_power_C	255.324	158.236	127.662	79.118
load	N_1800003776	constant_power_A_real	255.324	0.0	127.662	0.0
load	N_1800003776	constant_power_B_real	255.324	0.0	127.662	0.0
load	N_1800003776	constant_power_C_real	255.324	0.0	127.662	0.0
load	N_1800003776	constant_power_A_reac	158.236	0.0	79.118	0.0
load	N_1800003776	constant_power_B_reac	158.236	0.0	79.118	0.0
load	N_1800003776	constant_power_C_reac	158.236	0.0	79.118	0.0
load	N_1800069446	constant_power_A	110.054	68.2053	55.027	34.10265
load	N_1800069446	constant_power_C	110.054	68.2053	55.027	34.10265
load	N_1800069446	constant_power_A_real	110.054	0.0	55.027	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069446	constant_power_C_real	110.054	0.0	55.027	0.0
load	N_1800069446	constant_power_A_reac	68.2053	0.0	34.10265	0.0
load	N_1800069446	constant_power_C_reac	68.2053	0.0	34.10265	0.0
load	N_1800044758	constant_power_A	5304.59	3287.49	2652.295	1643.745
load	N_1800044758	constant_power_B	5304.59	3287.49	2652.295	1643.745
load	N_1800044758	constant_power_A_real	5304.59	0.0	2652.295	0.0
load	N_1800044758	constant_power_B_real	5304.59	0.0	2652.295	0.0
load	N_1800044758	constant_power_A_reac	3287.49	0.0	1643.745	0.0
load	N_1800044758	constant_power_B_reac	3287.49	0.0	1643.745	0.0
load	N_1800042008	constant_power_A	198.097	65.1113	99.0485	32.55565
load	N_1800042008	constant_power_B	198.097	65.1113	99.0485	32.55565
load	N_1800042008	constant_power_A_real	198.097	0.0	99.0485	0.0
load	N_1800042008	constant_power_B_real	198.097	0.0	99.0485	0.0
load	N_1800042008	constant_power_A_reac	65.1113	0.0	32.55565	0.0
load	N_1800042008	constant_power_B_reac	65.1113	0.0	32.55565	0.0
load	N_1800022993	constant_power_A	2909.82	956.411	1454.91	478.2055
load	N_1800022993	constant_power_B	2909.82	956.411	1454.91	478.2055
load	N_1800022993	constant_power_A_real	2909.82	0.0	1454.91	0.0
load	N_1800022993	constant_power_B_real	2909.82	0.0	1454.91	0.0
load	N_1800022993	constant_power_A_reac	956.411	0.0	478.2055	0.0
load	N_1800022993	constant_power_B_reac	956.411	0.0	478.2055	0.0
load	N_1800042004	constant_power_A	2022.05	664.616	1011.025	332.308
load	N_1800042004	constant_power_B	2022.05	664.616	1011.025	332.308
load	N_1800042004	constant_power_C	2022.05	664.616	1011.025	332.308
load	N_1800042004	constant_power_A_real	2022.05	0.0	1011.025	0.0
load	N_1800042004	constant_power_B_real	2022.05	0.0	1011.025	0.0
load	N_1800042004	constant_power_C_real	2022.05	0.0	1011.025	0.0
load	N_1800042004	constant_power_A_reac	664.616	0.0	332.308	0.0
load	N_1800042004	constant_power_B_reac	664.616	0.0	332.308	0.0
load	N_1800042004	constant_power_C_reac	664.616	0.0	332.308	0.0
load	N_1800042007	constant_power_A	1325.05	435.522	662.525	217.761
load	N_1800042007	constant_power_B	1325.05	435.522	662.525	217.761
load	N_1800042007	constant_power_A_real	1325.05	0.0	662.525	0.0
load	N_1800042007	constant_power_B_real	1325.05	0.0	662.525	0.0
load	N_1800042007	constant_power_A_reac	435.522	0.0	217.761	0.0
load	N_1800042007	constant_power_B_reac	435.522	0.0	217.761	0.0
load	N_1800068320	constant_power_A	2002.98	671.159	1001.49	335.5795
load	N_1800068320	constant_power_B	2002.98	671.159	1001.49	335.5795
load	N_1800068320	constant_power_A_real	2002.98	0.0	1001.49	0.0
load	N_1800068320	constant_power_B_real	2002.98	0.0	1001.49	0.0
load	N_1800068320	constant_power_A_reac	671.159	0.0	335.5795	0.0
load	N_1800068320	constant_power_B_reac	671.159	0.0	335.5795	0.0
load	N_1800045902	constant_power_A	252.39	156.417	126.195	78.2085
load	N_1800045902	constant_power_B	252.39	156.417	126.195	78.2085
load	N_1800045902	constant_power_C	252.39	156.417	126.195	78.2085
load	N_1800045902	constant_power_A_real	252.39	0.0	126.195	0.0
load	N_1800045902	constant_power_B_real	252.39	0.0	126.195	0.0
load	N_1800045902	constant_power_C_real	252.39	0.0	126.195	0.0
load	N_1800045902	constant_power_A_reac	156.417	0.0	78.2085	0.0
load	N_1800045902	constant_power_B_reac	156.417	0.0	78.2085	0.0
load	N_1800045902	constant_power_C_reac	156.417	0.0	78.2085	0.0
load	N_1800045903	constant_power_A	584.018	200.499	292.009	100.2495
load	N_1800045903	constant_power_B	584.018	200.499	292.009	100.2495
load	N_1800045903	constant_power_C	584.018	200.499	292.009	100.2495
load	N_1800045903	constant_power_A_real	584.018	0.0	292.009	0.0
load	N_1800045903	constant_power_B_real	584.018	0.0	292.009	0.0
load	N_1800045903	constant_power_C_real	584.018	0.0	292.009	0.0
load	N_1800045903	constant_power_A_reac	200.499	0.0	100.2495	0.0
load	N_1800045903	constant_power_B_reac	200.499	0.0	100.2495	0.0
load	N_1800045903	constant_power_C_reac	200.499	0.0	100.2495	0.0
load	N_1800068327	constant_power_A	2890.74	1791.52	1445.37	895.76
load	N_1800068327	constant_power_B	2890.74	1791.52	1445.37	895.76
load	N_1800068327	constant_power_C	2890.74	1791.52	1445.37	895.76

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068327	constant_power_A_real	2890.74	0.0	1445.37	0.0
load	N_1800068327	constant_power_B_real	2890.74	0.0	1445.37	0.0
load	N_1800068327	constant_power_C_real	2890.74	0.0	1445.37	0.0
load	N_1800068327	constant_power_A_reac	1791.52	0.0	895.76	0.0
load	N_1800068327	constant_power_B_reac	1791.52	0.0	895.76	0.0
load	N_1800068327	constant_power_C_reac	1791.52	0.0	895.76	0.0
load	N_1800039550	constant_power_A	845.212	277.808	422.606	138.904
load	N_1800039550	constant_power_B	845.212	277.808	422.606	138.904
load	N_1800039550	constant_power_C	845.212	277.808	422.606	138.904
load	N_1800039550	constant_power_A_real	845.212	0.0	422.606	0.0
load	N_1800039550	constant_power_B_real	845.212	0.0	422.606	0.0
load	N_1800039550	constant_power_C_real	845.212	0.0	422.606	0.0
load	N_1800039550	constant_power_A_reac	277.808	0.0	138.904	0.0
load	N_1800039550	constant_power_B_reac	277.808	0.0	138.904	0.0
load	N_1800039550	constant_power_C_reac	277.808	0.0	138.904	0.0
load	N_1800039552	constant_power_A	308.15	101.284	154.075	50.642
load	N_1800039552	constant_power_B	308.15	101.284	154.075	50.642
load	N_1800039552	constant_power_C	308.15	101.284	154.075	50.642
load	N_1800039552	constant_power_A_real	308.15	0.0	154.075	0.0
load	N_1800039552	constant_power_B_real	308.15	0.0	154.075	0.0
load	N_1800039552	constant_power_C_real	308.15	0.0	154.075	0.0
load	N_1800039552	constant_power_A_reac	101.284	0.0	50.642	0.0
load	N_1800039552	constant_power_B_reac	101.284	0.0	50.642	0.0
load	N_1800039552	constant_power_C_reac	101.284	0.0	50.642	0.0
load	N_1800039553	constant_power_A	2142.38	704.165	1071.19	352.0825
load	N_1800039553	constant_power_B	2142.38	704.165	1071.19	352.0825
load	N_1800039553	constant_power_C	2142.38	704.165	1071.19	352.0825
load	N_1800039553	constant_power_A_real	2142.38	0.0	1071.19	0.0
load	N_1800039553	constant_power_B_real	2142.38	0.0	1071.19	0.0
load	N_1800039553	constant_power_C_real	2142.38	0.0	1071.19	0.0
load	N_1800039553	constant_power_A_reac	704.165	0.0	352.0825	0.0
load	N_1800039553	constant_power_B_reac	704.165	0.0	352.0825	0.0
load	N_1800039553	constant_power_C_reac	704.165	0.0	352.0825	0.0
load	N_1800039554	constant_power_A	768.908	252.728	384.454	126.364
load	N_1800039554	constant_power_B	768.908	252.728	384.454	126.364
load	N_1800039554	constant_power_C	768.908	252.728	384.454	126.364
load	N_1800039554	constant_power_A_real	768.908	0.0	384.454	0.0
load	N_1800039554	constant_power_B_real	768.908	0.0	384.454	0.0
load	N_1800039554	constant_power_C_real	768.908	0.0	384.454	0.0
load	N_1800039554	constant_power_A_reac	252.728	0.0	126.364	0.0
load	N_1800039554	constant_power_B_reac	252.728	0.0	126.364	0.0
load	N_1800039554	constant_power_C_reac	252.728	0.0	126.364	0.0
load	N_1800069520	constant_power_A	1505.53	933.046	752.765	466.523
load	N_1800069520	constant_power_B	1505.53	933.046	752.765	466.523
load	N_1800069520	constant_power_A_real	1505.53	0.0	752.765	0.0
load	N_1800069520	constant_power_B_real	1505.53	0.0	752.765	0.0
load	N_1800069520	constant_power_A_reac	933.046	0.0	466.523	0.0
load	N_1800069520	constant_power_B_reac	933.046	0.0	466.523	0.0
load	N_1800069521	constant_power_A	990.483	613.846	495.2415	306.923
load	N_1800069521	constant_power_B	990.483	613.846	495.2415	306.923
load	N_1800069521	constant_power_A_real	990.483	0.0	495.2415	0.0
load	N_1800069521	constant_power_B_real	990.483	0.0	495.2415	0.0
load	N_1800069521	constant_power_A_reac	613.846	0.0	306.923	0.0
load	N_1800069521	constant_power_B_reac	613.846	0.0	306.923	0.0
load	N_1800067778	constant_power_A	735.158	241.635	367.579	120.8175
load	N_1800067778	constant_power_B	735.158	241.635	367.579	120.8175
load	N_1800067778	constant_power_A_real	735.158	0.0	367.579	0.0
load	N_1800067778	constant_power_B_real	735.158	0.0	367.579	0.0
load	N_1800067778	constant_power_A_reac	241.635	0.0	120.8175	0.0
load	N_1800067778	constant_power_B_reac	241.635	0.0	120.8175	0.0
load	N_1800069524	constant_power_A	171.684	106.4	85.842	53.2
load	N_1800069524	constant_power_B	171.684	106.4	85.842	53.2
load	N_1800069524	constant_power_A_real	171.684	0.0	85.842	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069524	constant_power_B_real	171.684	0.0	85.842	0.0
load	N_1800069524	constant_power_A_reac	106.4	0.0	53.2	0.0
load	N_1800069524	constant_power_B_reac	106.4	0.0	53.2	0.0
load	N_1800069527	constant_power_A	648.583	213.179	324.2915	106.5895
load	N_1800069527	constant_power_B	648.583	213.179	324.2915	106.5895
load	N_1800069527	constant_power_C	648.583	213.179	324.2915	106.5895
load	N_1800069527	constant_power_A_real	648.583	0.0	324.2915	0.0
load	N_1800069527	constant_power_B_real	648.583	0.0	324.2915	0.0
load	N_1800069527	constant_power_C_real	648.583	0.0	324.2915	0.0
load	N_1800069527	constant_power_A_reac	213.179	0.0	106.5895	0.0
load	N_1800069527	constant_power_B_reac	213.179	0.0	106.5895	0.0
load	N_1800069527	constant_power_C_reac	213.179	0.0	106.5895	0.0
load	N_1800072569	constant_power_A	1408.69	873.026	704.345	436.513
load	N_1800072569	constant_power_B	1408.69	873.026	704.345	436.513
load	N_1800072569	constant_power_C	1408.69	873.026	704.345	436.513
load	N_1800072569	constant_power_A_real	1408.69	0.0	704.345	0.0
load	N_1800072569	constant_power_B_real	1408.69	0.0	704.345	0.0
load	N_1800072569	constant_power_C_real	1408.69	0.0	704.345	0.0
load	N_1800072569	constant_power_A_reac	873.026	0.0	436.513	0.0
load	N_1800072569	constant_power_B_reac	873.026	0.0	436.513	0.0
load	N_1800072569	constant_power_C_reac	873.026	0.0	436.513	0.0
load	N_1800035467	constant_power_A	6312.68	2074.88	3156.34	1037.44
load	N_1800035467	constant_power_B	6312.68	2074.88	3156.34	1037.44
load	N_1800035467	constant_power_A_real	6312.68	0.0	3156.34	0.0
load	N_1800035467	constant_power_B_real	6312.68	0.0	3156.34	0.0
load	N_1800035467	constant_power_A_reac	2074.88	0.0	1037.44	0.0
load	N_1800035467	constant_power_B_reac	2074.88	0.0	1037.44	0.0
load	N_1800035468	constant_power_A	6616.43	2174.71	3308.215	1087.355
load	N_1800035468	constant_power_B	6616.43	2174.71	3308.215	1087.355
load	N_1800035468	constant_power_A_real	6616.43	0.0	3308.215	0.0
load	N_1800035468	constant_power_B_real	6616.43	0.0	3308.215	0.0
load	N_1800035468	constant_power_A_reac	2174.71	0.0	1087.355	0.0
load	N_1800035468	constant_power_B_reac	2174.71	0.0	1087.355	0.0
load	N_1800035469	constant_power_A	6039.74	1985.17	3019.87	992.585
load	N_1800035469	constant_power_B	6039.74	1985.17	3019.87	992.585
load	N_1800035469	constant_power_A_real	6039.74	0.0	3019.87	0.0
load	N_1800035469	constant_power_B_real	6039.74	0.0	3019.87	0.0
load	N_1800035469	constant_power_A_reac	1985.17	0.0	992.585	0.0
load	N_1800035469	constant_power_B_reac	1985.17	0.0	992.585	0.0
load	N_1800072562	constant_power_A	4204.05	1381.8	2102.025	690.9
load	N_1800072562	constant_power_B	4204.05	1381.8	2102.025	690.9
load	N_1800072562	constant_power_A_real	4204.05	0.0	2102.025	0.0
load	N_1800072562	constant_power_B_real	4204.05	0.0	2102.025	0.0
load	N_1800072562	constant_power_A_reac	1381.8	0.0	690.9	0.0
load	N_1800072562	constant_power_B_reac	1381.8	0.0	690.9	0.0
load	N_1800068541	constant_power_A	399.128	131.187	199.564	65.5935
load	N_1800068541	constant_power_B	399.128	131.187	199.564	65.5935
load	N_1800068541	constant_power_C	399.128	131.187	199.564	65.5935
load	N_1800068541	constant_power_A_real	399.128	0.0	199.564	0.0
load	N_1800068541	constant_power_B_real	399.128	0.0	199.564	0.0
load	N_1800068541	constant_power_C_real	399.128	0.0	199.564	0.0
load	N_1800068541	constant_power_A_reac	131.187	0.0	65.5935	0.0
load	N_1800068541	constant_power_B_reac	131.187	0.0	65.5935	0.0
load	N_1800068541	constant_power_C_reac	131.187	0.0	65.5935	0.0
load	N_1800070504	constant_power_A	102.717	33.7613	51.3585	16.88065
load	N_1800070504	constant_power_B	102.717	33.7613	51.3585	16.88065
load	N_1800070504	constant_power_C	102.717	33.7613	51.3585	16.88065
load	N_1800070504	constant_power_A_real	102.717	0.0	51.3585	0.0
load	N_1800070504	constant_power_B_real	102.717	0.0	51.3585	0.0
load	N_1800070504	constant_power_C_real	102.717	0.0	51.3585	0.0
load	N_1800070504	constant_power_A_reac	33.7613	0.0	16.88065	0.0
load	N_1800070504	constant_power_B_reac	33.7613	0.0	16.88065	0.0
load	N_1800070504	constant_power_C_reac	33.7613	0.0	16.88065	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800026829	constant_power_A	4098.4	1347.08	2049.2	673.54
load	N_1800026829	constant_power_B	4098.4	1347.08	2049.2	673.54
load	N_1800026829	constant_power_A_real	4098.4	0.0	2049.2	0.0
load	N_1800026829	constant_power_B_real	4098.4	0.0	2049.2	0.0
load	N_1800026829	constant_power_A_reac	1347.08	0.0	673.54	0.0
load	N_1800026829	constant_power_B_reac	1347.08	0.0	673.54	0.0
load	N_1800070506	constant_power_A	3187.15	1975.22	1593.575	987.61
load	N_1800070506	constant_power_B	3187.15	1975.22	1593.575	987.61
load	N_1800070506	constant_power_C	3187.15	1975.22	1593.575	987.61
load	N_1800070506	constant_power_A_real	3187.15	0.0	1593.575	0.0
load	N_1800070506	constant_power_B_real	3187.15	0.0	1593.575	0.0
load	N_1800070506	constant_power_C_real	3187.15	0.0	1593.575	0.0
load	N_1800070506	constant_power_A_reac	1975.22	0.0	987.61	0.0
load	N_1800070506	constant_power_B_reac	1975.22	0.0	987.61	0.0
load	N_1800070506	constant_power_C_reac	1975.22	0.0	987.61	0.0
load	N_1800070507	constant_power_A	868.69	323.963	434.345	161.9815
load	N_1800070507	constant_power_B	868.69	323.963	434.345	161.9815
load	N_1800070507	constant_power_C	868.69	323.963	434.345	161.9815
load	N_1800070507	constant_power_A_real	868.69	0.0	434.345	0.0
load	N_1800070507	constant_power_B_real	868.69	0.0	434.345	0.0
load	N_1800070507	constant_power_C_real	868.69	0.0	434.345	0.0
load	N_1800070507	constant_power_A_reac	323.963	0.0	161.9815	0.0
load	N_1800070507	constant_power_B_reac	323.963	0.0	161.9815	0.0
load	N_1800070507	constant_power_C_reac	323.963	0.0	161.9815	0.0
load	N_1800070502	constant_power_A	898.038	295.171	449.019	147.5855
load	N_1800070502	constant_power_B	898.038	295.171	449.019	147.5855
load	N_1800070502	constant_power_C	898.038	295.171	449.019	147.5855
load	N_1800070502	constant_power_A_real	898.038	0.0	449.019	0.0
load	N_1800070502	constant_power_B_real	898.038	0.0	449.019	0.0
load	N_1800070502	constant_power_C_real	898.038	0.0	449.019	0.0
load	N_1800070502	constant_power_A_reac	295.171	0.0	147.5855	0.0
load	N_1800070502	constant_power_B_reac	295.171	0.0	147.5855	0.0
load	N_1800070502	constant_power_C_reac	295.171	0.0	147.5855	0.0
load	N_1800070052	constant_power_A	149.673	49.1951	74.8365	24.59755
load	N_1800070052	constant_power_B	149.673	49.1951	74.8365	24.59755
load	N_1800070052	constant_power_A_real	149.673	0.0	74.8365	0.0
load	N_1800070052	constant_power_B_real	149.673	0.0	74.8365	0.0
load	N_1800070052	constant_power_A_reac	49.1951	0.0	24.59755	0.0
load	N_1800070052	constant_power_B_reac	49.1951	0.0	24.59755	0.0
load	N_1800070053	constant_power_A	3486.5	1145.96	1743.25	572.98
load	N_1800070053	constant_power_B	3486.5	1145.96	1743.25	572.98
load	N_1800070053	constant_power_A_real	3486.5	0.0	1743.25	0.0
load	N_1800070053	constant_power_B_real	3486.5	0.0	1743.25	0.0
load	N_1800070053	constant_power_A_reac	1145.96	0.0	572.98	0.0
load	N_1800070053	constant_power_B_reac	1145.96	0.0	572.98	0.0
load	N_1800070056	constant_power_A	466.627	153.373	233.3135	76.6865
load	N_1800070056	constant_power_B	466.627	153.373	233.3135	76.6865
load	N_1800070056	constant_power_A_real	466.627	0.0	233.3135	0.0
load	N_1800070056	constant_power_B_real	466.627	0.0	233.3135	0.0
load	N_1800070056	constant_power_A_reac	153.373	0.0	76.6865	0.0
load	N_1800070056	constant_power_B_reac	153.373	0.0	76.6865	0.0
load	N_1800070509	constant_power_A	2664.77	1651.47	1332.385	825.735
load	N_1800070509	constant_power_B	2664.77	1651.47	1332.385	825.735
load	N_1800070509	constant_power_C	2664.77	1651.47	1332.385	825.735
load	N_1800070509	constant_power_A_real	2664.77	0.0	1332.385	0.0
load	N_1800070509	constant_power_B_real	2664.77	0.0	1332.385	0.0
load	N_1800070509	constant_power_C_real	2664.77	0.0	1332.385	0.0
load	N_1800070509	constant_power_A_reac	1651.47	0.0	825.735	0.0
load	N_1800070509	constant_power_B_reac	1651.47	0.0	825.735	0.0
load	N_1800070509	constant_power_C_reac	1651.47	0.0	825.735	0.0
load	N_1800079167	constant_power_A	519.453	170.736	259.7265	85.368
load	N_1800079167	constant_power_B	519.453	170.736	259.7265	85.368
load	N_1800079167	constant_power_A_real	519.453	0.0	259.7265	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800079167	constant_power_B_real	519.453	0.0	259.7265	0.0
load	N_1800079167	constant_power_A_reac	170.736	0.0	85.368	0.0
load	N_1800079167	constant_power_B_reac	170.736	0.0	85.368	0.0
load	N_1800071453	constant_power_A	953.798	591.111	476.899	295.5555
load	N_1800071453	constant_power_B	953.798	591.111	476.899	295.5555
load	N_1800071453	constant_power_C	953.798	591.111	476.899	295.5555
load	N_1800071453	constant_power_A_real	953.798	0.0	476.899	0.0
load	N_1800071453	constant_power_B_real	953.798	0.0	476.899	0.0
load	N_1800071453	constant_power_C_real	953.798	0.0	476.899	0.0
load	N_1800071453	constant_power_A_reac	591.111	0.0	295.5555	0.0
load	N_1800071453	constant_power_B_reac	591.111	0.0	295.5555	0.0
load	N_1800071453	constant_power_C_reac	591.111	0.0	295.5555	0.0
load	N_1800071455	constant_power_A	8293.64	4836.7	4146.82	2418.35
load	N_1800071455	constant_power_B	8293.64	4836.7	4146.82	2418.35
load	N_1800071455	constant_power_C	8293.64	4836.7	4146.82	2418.35
load	N_1800071455	constant_power_A_real	8293.64	0.0	4146.82	0.0
load	N_1800071455	constant_power_B_real	8293.64	0.0	4146.82	0.0
load	N_1800071455	constant_power_C_real	8293.64	0.0	4146.82	0.0
load	N_1800071455	constant_power_A_reac	4836.7	0.0	2418.35	0.0
load	N_1800071455	constant_power_B_reac	4836.7	0.0	2418.35	0.0
load	N_1800071455	constant_power_C_reac	4836.7	0.0	2418.35	0.0
load	N_1800071457	constant_power_A	89363.6	55382.6	44681.8	27691.3
load	N_1800071457	constant_power_B	89363.6	55382.6	44681.8	27691.3
load	N_1800071457	constant_power_C	89363.6	55382.6	44681.8	27691.3
load	N_1800071457	constant_power_A_real	89363.6	0.0	44681.8	0.0
load	N_1800071457	constant_power_B_real	89363.6	0.0	44681.8	0.0
load	N_1800071457	constant_power_C_real	89363.6	0.0	44681.8	0.0
load	N_1800071457	constant_power_A_reac	55382.6	0.0	27691.3	0.0
load	N_1800071457	constant_power_B_reac	55382.6	0.0	27691.3	0.0
load	N_1800071457	constant_power_C_reac	55382.6	0.0	27691.3	0.0
load	N_1800071456	constant_power_A	346.302	214.619	173.151	107.3095
load	N_1800071456	constant_power_B	346.302	214.619	173.151	107.3095
load	N_1800071456	constant_power_C	346.302	214.619	173.151	107.3095
load	N_1800071456	constant_power_A_real	346.302	0.0	173.151	0.0
load	N_1800071456	constant_power_B_real	346.302	0.0	173.151	0.0
load	N_1800071456	constant_power_C_real	346.302	0.0	173.151	0.0
load	N_1800071456	constant_power_A_reac	214.619	0.0	107.3095	0.0
load	N_1800071456	constant_power_B_reac	214.619	0.0	107.3095	0.0
load	N_1800071456	constant_power_C_reac	214.619	0.0	107.3095	0.0
load	N_1800071458	constant_power_A	3200.36	1051.91	1600.18	525.955
load	N_1800071458	constant_power_B	3200.36	1051.91	1600.18	525.955
load	N_1800071458	constant_power_A_real	3200.36	0.0	1600.18	0.0
load	N_1800071458	constant_power_B_real	3200.36	0.0	1600.18	0.0
load	N_1800071458	constant_power_A_reac	1051.91	0.0	525.955	0.0
load	N_1800071458	constant_power_B_reac	1051.91	0.0	525.955	0.0
load	N_1800018716	constant_power_A	1575.97	517.996	787.985	258.998
load	N_1800018716	constant_power_B	1575.97	517.996	787.985	258.998
load	N_1800018716	constant_power_A_real	1575.97	0.0	787.985	0.0
load	N_1800018716	constant_power_B_real	1575.97	0.0	787.985	0.0
load	N_1800018716	constant_power_A_reac	517.996	0.0	258.998	0.0
load	N_1800018716	constant_power_B_reac	517.996	0.0	258.998	0.0
load	N_1800068856	constant_power_A	2597.27	853.68	1298.635	426.84
load	N_1800068856	constant_power_C	2597.27	853.68	1298.635	426.84
load	N_1800068856	constant_power_A_real	2597.27	0.0	1298.635	0.0
load	N_1800068856	constant_power_C_real	2597.27	0.0	1298.635	0.0
load	N_1800068856	constant_power_A_reac	853.68	0.0	426.84	0.0
load	N_1800068856	constant_power_C_reac	853.68	0.0	426.84	0.0
load	N_1800068580	constant_power_A	9535.05	5909.29	4767.525	2954.645
load	N_1800068580	constant_power_B	9535.05	5909.29	4767.525	2954.645
load	N_1800068580	constant_power_C	9535.05	5909.29	4767.525	2954.645
load	N_1800068580	constant_power_A_real	9535.05	0.0	4767.525	0.0
load	N_1800068580	constant_power_B_real	9535.05	0.0	4767.525	0.0
load	N_1800068580	constant_power_C_real	9535.05	0.0	4767.525	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068580	constant_power_A_reac	5909.29	0.0	2954.645	0.0
load	N_1800068580	constant_power_B_reac	5909.29	0.0	2954.645	0.0
load	N_1800068580	constant_power_C_reac	5909.29	0.0	2954.645	0.0
load	N_1800069854	constant_power_A	1263.42	415.265	631.71	207.6325
load	N_1800069854	constant_power_B	1263.42	415.265	631.71	207.6325
load	N_1800069854	constant_power_A_real	1263.42	0.0	631.71	0.0
load	N_1800069854	constant_power_B_real	1263.42	0.0	631.71	0.0
load	N_1800069854	constant_power_A_reac	415.265	0.0	207.6325	0.0
load	N_1800069854	constant_power_B_reac	415.265	0.0	207.6325	0.0
load	N_1800069856	constant_power_A	695.539	228.613	347.7695	114.3065
load	N_1800069856	constant_power_B	695.539	228.613	347.7695	114.3065
load	N_1800069856	constant_power_A_real	695.539	0.0	347.7695	0.0
load	N_1800069856	constant_power_B_real	695.539	0.0	347.7695	0.0
load	N_1800069856	constant_power_A_reac	228.613	0.0	114.3065	0.0
load	N_1800069856	constant_power_B_reac	228.613	0.0	114.3065	0.0
load	N_1800078539	constant_power_A	2795.36	1535.09	1397.68	767.545
load	N_1800078539	constant_power_B	2795.36	1535.09	1397.68	767.545
load	N_1800078539	constant_power_A_real	2795.36	0.0	1397.68	0.0
load	N_1800078539	constant_power_B_real	2795.36	0.0	1397.68	0.0
load	N_1800078539	constant_power_A_reac	1535.09	0.0	767.545	0.0
load	N_1800078539	constant_power_B_reac	1535.09	0.0	767.545	0.0
load	N_1800069853	constant_power_A	6259.85	2057.51	3129.925	1028.755
load	N_1800069853	constant_power_B	6259.85	2057.51	3129.925	1028.755
load	N_1800069853	constant_power_A_real	6259.85	0.0	3129.925	0.0
load	N_1800069853	constant_power_B_real	6259.85	0.0	3129.925	0.0
load	N_1800069853	constant_power_A_reac	2057.51	0.0	1028.755	0.0
load	N_1800069853	constant_power_B_reac	2057.51	0.0	1028.755	0.0
load	N_1800045001	constant_power_A	488.638	160.608	244.319	80.304
load	N_1800045001	constant_power_C	488.638	160.608	244.319	80.304
load	N_1800045001	constant_power_A_real	488.638	0.0	244.319	0.0
load	N_1800045001	constant_power_C_real	488.638	0.0	244.319	0.0
load	N_1800045001	constant_power_A_reac	160.608	0.0	80.304	0.0
load	N_1800045001	constant_power_C_reac	160.608	0.0	80.304	0.0
load	N_1800045003	constant_power_A	2460.8	808.826	1230.4	404.413
load	N_1800045003	constant_power_C	2460.8	808.826	1230.4	404.413
load	N_1800045003	constant_power_A_real	2460.8	0.0	1230.4	0.0
load	N_1800045003	constant_power_C_real	2460.8	0.0	1230.4	0.0
load	N_1800045003	constant_power_A_reac	808.826	0.0	404.413	0.0
load	N_1800045003	constant_power_C_reac	808.826	0.0	404.413	0.0
load	N_1800045002	constant_power_A	1096.13	360.282	548.065	180.141
load	N_1800045002	constant_power_C	1096.13	360.282	548.065	180.141
load	N_1800045002	constant_power_A_real	1096.13	0.0	548.065	0.0
load	N_1800045002	constant_power_C_real	1096.13	0.0	548.065	0.0
load	N_1800045002	constant_power_A_reac	360.282	0.0	180.141	0.0
load	N_1800045002	constant_power_C_reac	360.282	0.0	180.141	0.0
load	N_1800045004	constant_power_A	3156.34	1037.44	1578.17	518.72
load	N_1800045004	constant_power_C	3156.34	1037.44	1578.17	518.72
load	N_1800045004	constant_power_A_real	3156.34	0.0	1578.17	0.0
load	N_1800045004	constant_power_C_real	3156.34	0.0	1578.17	0.0
load	N_1800045004	constant_power_A_reac	1037.44	0.0	518.72	0.0
load	N_1800045004	constant_power_C_reac	1037.44	0.0	518.72	0.0
load	N_1800045006	constant_power_A	3213.57	1056.25	1606.785	528.125
load	N_1800045006	constant_power_C	3213.57	1056.25	1606.785	528.125
load	N_1800045006	constant_power_A_real	3213.57	0.0	1606.785	0.0
load	N_1800045006	constant_power_C_real	3213.57	0.0	1606.785	0.0
load	N_1800045006	constant_power_A_reac	1056.25	0.0	528.125	0.0
load	N_1800045006	constant_power_C_reac	1056.25	0.0	528.125	0.0
load	N_1800021906	constant_power_A	4362.53	1433.89	2181.265	716.945
load	N_1800021906	constant_power_B	4362.53	1433.89	2181.265	716.945
load	N_1800021906	constant_power_A_real	4362.53	0.0	2181.265	0.0
load	N_1800021906	constant_power_B_real	4362.53	0.0	2181.265	0.0
load	N_1800021906	constant_power_A_reac	1433.89	0.0	716.945	0.0
load	N_1800021906	constant_power_B_reac	1433.89	0.0	716.945	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069450	constant_power_A	321.357	105.625	160.6785	52.8125
load	N_1800069450	constant_power_C	321.357	105.625	160.6785	52.8125
load	N_1800069450	constant_power_A_real	321.357	0.0	160.6785	0.0
load	N_1800069450	constant_power_C_real	321.357	0.0	160.6785	0.0
load	N_1800069450	constant_power_A_reac	105.625	0.0	52.8125	0.0
load	N_1800069450	constant_power_C_reac	105.625	0.0	52.8125	0.0
load	N_1800069451	constant_power_A	475.432	156.267	237.716	78.1335
load	N_1800069451	constant_power_C	475.432	156.267	237.716	78.1335
load	N_1800069451	constant_power_A_real	475.432	0.0	237.716	0.0
load	N_1800069451	constant_power_C_real	475.432	0.0	237.716	0.0
load	N_1800069451	constant_power_A_reac	156.267	0.0	78.1335	0.0
load	N_1800069451	constant_power_C_reac	156.267	0.0	78.1335	0.0
load	N_1800069452	constant_power_A	946.461	311.087	473.2305	155.5435
load	N_1800069452	constant_power_C	946.461	311.087	473.2305	155.5435
load	N_1800069452	constant_power_A_real	946.461	0.0	473.2305	0.0
load	N_1800069452	constant_power_C_real	946.461	0.0	473.2305	0.0
load	N_1800069452	constant_power_A_reac	311.087	0.0	155.5435	0.0
load	N_1800069452	constant_power_C_reac	311.087	0.0	155.5435	0.0
load	N_1800068928	constant_power_A	1633.2	536.806	816.6	268.403
load	N_1800068928	constant_power_B	1633.2	536.806	816.6	268.403
load	N_1800068928	constant_power_A_real	1633.2	0.0	816.6	0.0
load	N_1800068928	constant_power_B_real	1633.2	0.0	816.6	0.0
load	N_1800068928	constant_power_A_reac	536.806	0.0	268.403	0.0
load	N_1800068928	constant_power_B_reac	536.806	0.0	268.403	0.0
load	N_1800069454	constant_power_A	13.206	8.18434	6.603	4.09217
load	N_1800069454	constant_power_C	13.206	8.18434	6.603	4.09217
load	N_1800069454	constant_power_A_real	13.206	0.0	6.603	0.0
load	N_1800069454	constant_power_C_real	13.206	0.0	6.603	0.0
load	N_1800069454	constant_power_A_reac	8.18434	0.0	4.09217	0.0
load	N_1800069454	constant_power_C_reac	8.18434	0.0	4.09217	0.0
load	N_1800069455	constant_power_A	1386.68	859.385	693.34	429.6925
load	N_1800069455	constant_power_C	1386.68	859.385	693.34	429.6925
load	N_1800069455	constant_power_A_real	1386.68	0.0	693.34	0.0
load	N_1800069455	constant_power_C_real	1386.68	0.0	693.34	0.0
load	N_1800069455	constant_power_A_reac	859.385	0.0	429.6925	0.0
load	N_1800069455	constant_power_C_reac	859.385	0.0	429.6925	0.0
load	N_1800069457	constant_power_A	171.684	106.4	85.842	53.2
load	N_1800069457	constant_power_C	171.684	106.4	85.842	53.2
load	N_1800069457	constant_power_A_real	171.684	0.0	85.842	0.0
load	N_1800069457	constant_power_C_real	171.684	0.0	85.842	0.0
load	N_1800069457	constant_power_A_reac	106.4	0.0	53.2	0.0
load	N_1800069457	constant_power_C_reac	106.4	0.0	53.2	0.0
load	N_1800068923	constant_power_A	1452.71	477.482	726.355	238.741
load	N_1800068923	constant_power_B	1452.71	477.482	726.355	238.741
load	N_1800068923	constant_power_A_real	1452.71	0.0	726.355	0.0
load	N_1800068923	constant_power_B_real	1452.71	0.0	726.355	0.0
load	N_1800068923	constant_power_A_reac	477.482	0.0	238.741	0.0
load	N_1800068923	constant_power_B_reac	477.482	0.0	238.741	0.0
load	N_1800069988	constant_power_A	1668.41	548.381	834.205	274.1905
load	N_1800069988	constant_power_B	1668.41	548.381	834.205	274.1905
load	N_1800069988	constant_power_A_real	1668.41	0.0	834.205	0.0
load	N_1800069988	constant_power_B_real	1668.41	0.0	834.205	0.0
load	N_1800069988	constant_power_A_reac	548.381	0.0	274.1905	0.0
load	N_1800069988	constant_power_B_reac	548.381	0.0	274.1905	0.0
load	N_1800069989	constant_power_A	1589.17	522.337	794.585	261.1685
load	N_1800069989	constant_power_B	1589.17	522.337	794.585	261.1685
load	N_1800069989	constant_power_A_real	1589.17	0.0	794.585	0.0
load	N_1800069989	constant_power_B_real	1589.17	0.0	794.585	0.0
load	N_1800069989	constant_power_A_reac	522.337	0.0	261.1685	0.0
load	N_1800069989	constant_power_B_reac	522.337	0.0	261.1685	0.0
load	N_180009207	constant_power_A	2256.83	1398.66	1128.415	699.33
load	N_180009207	constant_power_B	2256.83	1398.66	1128.415	699.33
load	N_180009207	constant_power_C	2256.83	1398.66	1128.415	699.33

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800009207	constant_power_A_real	2256.83	0.0	1128.415	0.0
load	N_1800009207	constant_power_B_real	2256.83	0.0	1128.415	0.0
load	N_1800009207	constant_power_C_real	2256.83	0.0	1128.415	0.0
load	N_1800009207	constant_power_A_reac	1398.66	0.0	699.33	0.0
load	N_1800009207	constant_power_B_reac	1398.66	0.0	699.33	0.0
load	N_1800009207	constant_power_C_reac	1398.66	0.0	699.33	0.0
load	N_1800068924	constant_power_A	1254.61	412.371	627.305	206.1855
load	N_1800068924	constant_power_B	1254.61	412.371	627.305	206.1855
load	N_1800068924	constant_power_A_real	1254.61	0.0	627.305	0.0
load	N_1800068924	constant_power_B_real	1254.61	0.0	627.305	0.0
load	N_1800068924	constant_power_A_reac	412.371	0.0	206.1855	0.0
load	N_1800068924	constant_power_B_reac	412.371	0.0	206.1855	0.0
load	N_1800201194	constant_power_A	704.343	231.506	352.1715	115.753
load	N_1800201194	constant_power_B	704.343	231.506	352.1715	115.753
load	N_1800201194	constant_power_C	704.343	231.506	352.1715	115.753
load	N_1800201194	constant_power_A_real	704.343	0.0	352.1715	0.0
load	N_1800201194	constant_power_B_real	704.343	0.0	352.1715	0.0
load	N_1800201194	constant_power_C_real	704.343	0.0	352.1715	0.0
load	N_1800201194	constant_power_A_reac	231.506	0.0	115.753	0.0
load	N_1800201194	constant_power_B_reac	231.506	0.0	115.753	0.0
load	N_1800201194	constant_power_C_reac	231.506	0.0	115.753	0.0
load	N_1800073150	constant_power_A	1276.62	419.605	638.31	209.8025
load	N_1800073150	constant_power_B	1276.62	419.605	638.31	209.8025
load	N_1800073150	constant_power_A_real	1276.62	0.0	638.31	0.0
load	N_1800073150	constant_power_B_real	1276.62	0.0	638.31	0.0
load	N_1800073150	constant_power_A_reac	419.605	0.0	209.8025	0.0
load	N_1800073150	constant_power_B_reac	419.605	0.0	209.8025	0.0
load	N_1800044439	constant_power_A	3697.8	1215.41	1848.9	607.705
load	N_1800044439	constant_power_B	3697.8	1215.41	1848.9	607.705
load	N_1800044439	constant_power_A_real	3697.8	0.0	1848.9	0.0
load	N_1800044439	constant_power_B_real	3697.8	0.0	1848.9	0.0
load	N_1800044439	constant_power_A_reac	1215.41	0.0	607.705	0.0
load	N_1800044439	constant_power_B_reac	1215.41	0.0	607.705	0.0
load	N_1800044438	constant_power_A	3895.9	1280.52	1947.95	640.26
load	N_1800044438	constant_power_B	3895.9	1280.52	1947.95	640.26
load	N_1800044438	constant_power_A_real	3895.9	0.0	1947.95	0.0
load	N_1800044438	constant_power_B_real	3895.9	0.0	1947.95	0.0
load	N_1800044438	constant_power_A_reac	1280.52	0.0	640.26	0.0
load	N_1800044438	constant_power_B_reac	1280.52	0.0	640.26	0.0
load	N_1800044436	constant_power_A	1386.68	455.778	693.34	227.889
load	N_1800044436	constant_power_B	1386.68	455.778	693.34	227.889
load	N_1800044436	constant_power_A_real	1386.68	0.0	693.34	0.0
load	N_1800044436	constant_power_B_real	1386.68	0.0	693.34	0.0
load	N_1800044436	constant_power_A_reac	455.778	0.0	227.889	0.0
load	N_1800044436	constant_power_B_reac	455.778	0.0	227.889	0.0
load	N_1800044432	constant_power_A	1443.9	474.588	721.95	237.294
load	N_1800044432	constant_power_B	1443.9	474.588	721.95	237.294
load	N_1800044432	constant_power_A_real	1443.9	0.0	721.95	0.0
load	N_1800044432	constant_power_B_real	1443.9	0.0	721.95	0.0
load	N_1800044432	constant_power_A_reac	474.588	0.0	237.294	0.0
load	N_1800044432	constant_power_B_reac	474.588	0.0	237.294	0.0
load	N_1800068075	constant_power_A	1738.85	571.532	869.425	285.766
load	N_1800068075	constant_power_B	1738.85	571.532	869.425	285.766
load	N_1800068075	constant_power_A_real	1738.85	0.0	869.425	0.0
load	N_1800068075	constant_power_B_real	1738.85	0.0	869.425	0.0
load	N_1800068075	constant_power_A_reac	571.532	0.0	285.766	0.0
load	N_1800068075	constant_power_B_reac	571.532	0.0	285.766	0.0
load	N_1800068074	constant_power_A	198.097	65.1113	99.0485	32.55565
load	N_1800068074	constant_power_B	198.097	65.1113	99.0485	32.55565
load	N_1800068074	constant_power_A_real	198.097	0.0	99.0485	0.0
load	N_1800068074	constant_power_B_real	198.097	0.0	99.0485	0.0
load	N_1800068074	constant_power_A_reac	65.1113	0.0	32.55565	0.0
load	N_1800068074	constant_power_B_reac	65.1113	0.0	32.55565	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068071	constant_power_A	2073.41	681.497	1036.705	340.7485
load	N_1800068071	constant_power_B	2073.41	681.497	1036.705	340.7485
load	N_1800068071	constant_power_A_real	2073.41	0.0	1036.705	0.0
load	N_1800068071	constant_power_B_real	2073.41	0.0	1036.705	0.0
load	N_1800068071	constant_power_A_reac	681.497	0.0	340.7485	0.0
load	N_1800068071	constant_power_B_reac	681.497	0.0	340.7485	0.0
load	N_1800068070	constant_power_A	2914.22	957.858	1457.11	478.929
load	N_1800068070	constant_power_B	2914.22	957.858	1457.11	478.929
load	N_1800068070	constant_power_A_real	2914.22	0.0	1457.11	0.0
load	N_1800068070	constant_power_B_real	2914.22	0.0	1457.11	0.0
load	N_1800068070	constant_power_A_reac	957.858	0.0	478.929	0.0
load	N_1800068070	constant_power_B_reac	957.858	0.0	478.929	0.0
load	N_1800026135	constant_power_A	114.456	37.6198	57.228	18.8099
load	N_1800026135	constant_power_B	114.456	37.6198	57.228	18.8099
load	N_1800026135	constant_power_C	114.456	37.6198	57.228	18.8099
load	N_1800026135	constant_power_A_real	114.456	0.0	57.228	0.0
load	N_1800026135	constant_power_B_real	114.456	0.0	57.228	0.0
load	N_1800026135	constant_power_C_real	114.456	0.0	57.228	0.0
load	N_1800026135	constant_power_A_reac	37.6198	0.0	18.8099	0.0
load	N_1800026135	constant_power_B_reac	37.6198	0.0	18.8099	0.0
load	N_1800026135	constant_power_C_reac	37.6198	0.0	18.8099	0.0
load	N_1800026138	constant_power_A	1769.66	581.66	884.83	290.83
load	N_1800026138	constant_power_B	1769.66	581.66	884.83	290.83
load	N_1800026138	constant_power_A_real	1769.66	0.0	884.83	0.0
load	N_1800026138	constant_power_B_real	1769.66	0.0	884.83	0.0
load	N_1800026138	constant_power_A_reac	581.66	0.0	290.83	0.0
load	N_1800026138	constant_power_B_reac	581.66	0.0	290.83	0.0
load	N_1800068079	constant_power_A	1100.54	682.051	550.27	341.0255
load	N_1800068079	constant_power_B	1100.54	682.051	550.27	341.0255
load	N_1800068079	constant_power_C	1100.54	682.051	550.27	341.0255
load	N_1800068079	constant_power_A_real	1100.54	0.0	550.27	0.0
load	N_1800068079	constant_power_B_real	1100.54	0.0	550.27	0.0
load	N_1800068079	constant_power_C_real	1100.54	0.0	550.27	0.0
load	N_1800068079	constant_power_A_reac	682.051	0.0	341.0255	0.0
load	N_1800068079	constant_power_B_reac	682.051	0.0	341.0255	0.0
load	N_1800068079	constant_power_C_reac	682.051	0.0	341.0255	0.0
load	N_1800079001	constant_power_A	290.542	95.4965	145.271	47.74825
load	N_1800079001	constant_power_B	290.542	95.4965	145.271	47.74825
load	N_1800079001	constant_power_A_real	290.542	0.0	145.271	0.0
load	N_1800079001	constant_power_B_real	290.542	0.0	145.271	0.0
load	N_1800079001	constant_power_A_reac	95.4965	0.0	47.74825	0.0
load	N_1800079001	constant_power_B_reac	95.4965	0.0	47.74825	0.0
load	N_1800068633	constant_power_A	1320.64	434.075	660.32	217.0375
load	N_1800068633	constant_power_B	1320.64	434.075	660.32	217.0375
load	N_1800068633	constant_power_A_real	1320.64	0.0	660.32	0.0
load	N_1800068633	constant_power_B_real	1320.64	0.0	660.32	0.0
load	N_1800068633	constant_power_A_reac	434.075	0.0	217.0375	0.0
load	N_1800068633	constant_power_B_reac	434.075	0.0	217.0375	0.0
load	N_1800022654	constant_power_A	1752.05	575.872	876.025	287.936
load	N_1800022654	constant_power_B	1752.05	575.872	876.025	287.936
load	N_1800022654	constant_power_A_real	1752.05	0.0	876.025	0.0
load	N_1800022654	constant_power_B_real	1752.05	0.0	876.025	0.0
load	N_1800022654	constant_power_A_reac	575.872	0.0	287.936	0.0
load	N_1800022654	constant_power_B_reac	575.872	0.0	287.936	0.0
load	N_1800019260	constant_power_A	1206.19	747.528	603.095	373.764
load	N_1800019260	constant_power_B	1206.19	747.528	603.095	373.764
load	N_1800019260	constant_power_A_real	1206.19	0.0	603.095	0.0
load	N_1800019260	constant_power_B_real	1206.19	0.0	603.095	0.0
load	N_1800019260	constant_power_A_reac	747.528	0.0	373.764	0.0
load	N_1800019260	constant_power_B_reac	747.528	0.0	373.764	0.0
load	N_1800032074	constant_power_A	1853.3	609.151	926.65	304.5755
load	N_1800032074	constant_power_B	1853.3	609.151	926.65	304.5755
load	N_1800032074	constant_power_A_real	1853.3	0.0	926.65	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800032074	constant_power_B_real	1853.3	0.0	926.65	0.0
load	N_1800032074	constant_power_A_reac	609.151	0.0	304.5755	0.0
load	N_1800032074	constant_power_B_reac	609.151	0.0	304.5755	0.0
load	N_1800021874	constant_power_A	3200.36	1051.91	1600.18	525.955
load	N_1800021874	constant_power_B	3200.36	1051.91	1600.18	525.955
load	N_1800021874	constant_power_A_real	3200.36	0.0	1600.18	0.0
load	N_1800021874	constant_power_B_real	3200.36	0.0	1600.18	0.0
load	N_1800021874	constant_power_A_reac	1051.91	0.0	525.955	0.0
load	N_1800021874	constant_power_B_reac	1051.91	0.0	525.955	0.0
load	N_1800044759	constant_power_A	66.032	21.7037	33.016	10.85185
load	N_1800044759	constant_power_B	66.032	21.7037	33.016	10.85185
load	N_1800044759	constant_power_A_real	66.032	0.0	33.016	0.0
load	N_1800044759	constant_power_B_real	66.032	0.0	33.016	0.0
load	N_1800044759	constant_power_A_reac	21.7037	0.0	10.85185	0.0
load	N_1800044759	constant_power_B_reac	21.7037	0.0	10.85185	0.0
load	N_1800037391	constant_power_A	3671.39	1206.73	1835.695	603.365
load	N_1800037391	constant_power_B	3671.39	1206.73	1835.695	603.365
load	N_1800037391	constant_power_A_real	3671.39	0.0	1835.695	0.0
load	N_1800037391	constant_power_B_real	3671.39	0.0	1835.695	0.0
load	N_1800037391	constant_power_A_reac	1206.73	0.0	603.365	0.0
load	N_1800037391	constant_power_B_reac	1206.73	0.0	603.365	0.0
load	N_1800008179	constant_power_A	120.325	74.5709	60.1625	37.28545
load	N_1800008179	constant_power_B	120.325	74.5709	60.1625	37.28545
load	N_1800008179	constant_power_C	120.325	74.5709	60.1625	37.28545
load	N_1800008179	constant_power_A_real	120.325	0.0	60.1625	0.0
load	N_1800008179	constant_power_B_real	120.325	0.0	60.1625	0.0
load	N_1800008179	constant_power_C_real	120.325	0.0	60.1625	0.0
load	N_1800008179	constant_power_A_reac	74.5709	0.0	37.28545	0.0
load	N_1800008179	constant_power_B_reac	74.5709	0.0	37.28545	0.0
load	N_1800008179	constant_power_C_reac	74.5709	0.0	37.28545	0.0
load	N_1800008175	constant_power_A	1232.6	763.897	616.3	381.9485
load	N_1800008175	constant_power_B	1232.6	763.897	616.3	381.9485
load	N_1800008175	constant_power_C	1232.6	763.897	616.3	381.9485
load	N_1800008175	constant_power_A_real	1232.6	0.0	616.3	0.0
load	N_1800008175	constant_power_B_real	1232.6	0.0	616.3	0.0
load	N_1800008175	constant_power_C_real	1232.6	0.0	616.3	0.0
load	N_1800008175	constant_power_A_reac	763.897	0.0	381.9485	0.0
load	N_1800008175	constant_power_B_reac	763.897	0.0	381.9485	0.0
load	N_1800008175	constant_power_C_reac	763.897	0.0	381.9485	0.0
load	N_1800037022	constant_power_A	620.703	204.015	310.3515	102.0075
load	N_1800037022	constant_power_B	620.703	204.015	310.3515	102.0075
load	N_1800037022	constant_power_A_real	620.703	0.0	310.3515	0.0
load	N_1800037022	constant_power_B_real	620.703	0.0	310.3515	0.0
load	N_1800037022	constant_power_A_reac	204.015	0.0	102.0075	0.0
load	N_1800037022	constant_power_B_reac	204.015	0.0	102.0075	0.0
load	N_1800043636	constant_power_A	807.06	265.268	403.53	132.634
load	N_1800043636	constant_power_B	807.06	265.268	403.53	132.634
load	N_1800043636	constant_power_C	807.06	265.268	403.53	132.634
load	N_1800043636	constant_power_A_real	807.06	0.0	403.53	0.0
load	N_1800043636	constant_power_B_real	807.06	0.0	403.53	0.0
load	N_1800043636	constant_power_C_real	807.06	0.0	403.53	0.0
load	N_1800043636	constant_power_A_reac	265.268	0.0	132.634	0.0
load	N_1800043636	constant_power_B_reac	265.268	0.0	132.634	0.0
load	N_1800043636	constant_power_C_reac	265.268	0.0	132.634	0.0
load	N_1800067580	constant_power_A	585.485	192.44	292.7425	96.22
load	N_1800067580	constant_power_B	585.485	192.44	292.7425	96.22
load	N_1800067580	constant_power_A_real	585.485	0.0	292.7425	0.0
load	N_1800067580	constant_power_B_real	585.485	0.0	292.7425	0.0
load	N_1800067580	constant_power_A_reac	192.44	0.0	96.22	0.0
load	N_1800067580	constant_power_B_reac	192.44	0.0	96.22	0.0
load	N_1800067581	constant_power_A	3257.59	1132.22	1628.795	566.11
load	N_1800067581	constant_power_B	3257.59	1132.22	1628.795	566.11
load	N_1800067581	constant_power_A_real	3257.59	0.0	1628.795	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067581	constant_power_B_real	3257.59	0.0	1628.795	0.0
load	N_1800067581	constant_power_A_reac	1132.22	0.0	566.11	0.0
load	N_1800067581	constant_power_B_reac	1132.22	0.0	566.11	0.0
load	N_1800067585	constant_power_A	145.271	47.7483	72.6355	23.87415
load	N_1800067585	constant_power_B	145.271	47.7483	72.6355	23.87415
load	N_1800067585	constant_power_A_real	145.271	0.0	72.6355	0.0
load	N_1800067585	constant_power_B_real	145.271	0.0	72.6355	0.0
load	N_1800067585	constant_power_A_reac	47.7483	0.0	23.87415	0.0
load	N_1800067585	constant_power_B_reac	47.7483	0.0	23.87415	0.0
load	N_1800067587	constant_power_A	1087.33	357.388	543.665	178.694
load	N_1800067587	constant_power_B	1087.33	357.388	543.665	178.694
load	N_1800067587	constant_power_A_real	1087.33	0.0	543.665	0.0
load	N_1800067587	constant_power_B_real	1087.33	0.0	543.665	0.0
load	N_1800067587	constant_power_A_reac	357.388	0.0	178.694	0.0
load	N_1800067587	constant_power_B_reac	357.388	0.0	178.694	0.0
load	N_1800067588	constant_power_A	792.386	260.445	396.193	130.2225
load	N_1800067588	constant_power_B	792.386	260.445	396.193	130.2225
load	N_1800067588	constant_power_A_real	792.386	0.0	396.193	0.0
load	N_1800067588	constant_power_B_real	792.386	0.0	396.193	0.0
load	N_1800067588	constant_power_A_reac	260.445	0.0	130.2225	0.0
load	N_1800067588	constant_power_B_reac	260.445	0.0	130.2225	0.0
load	N_1800070999	constant_power_A	457.823	150.479	228.9115	75.2395
load	N_1800070999	constant_power_B	457.823	150.479	228.9115	75.2395
load	N_1800070999	constant_power_A_real	457.823	0.0	228.9115	0.0
load	N_1800070999	constant_power_B_real	457.823	0.0	228.9115	0.0
load	N_1800070999	constant_power_A_reac	150.479	0.0	75.2395	0.0
load	N_1800070999	constant_power_B_reac	150.479	0.0	75.2395	0.0
load	N_1800035472	constant_power_A	4296.49	1412.19	2148.245	706.095
load	N_1800035472	constant_power_B	4296.49	1412.19	2148.245	706.095
load	N_1800035472	constant_power_A_real	4296.49	0.0	2148.245	0.0
load	N_1800035472	constant_power_B_real	4296.49	0.0	2148.245	0.0
load	N_1800035472	constant_power_A_reac	1412.19	0.0	706.095	0.0
load	N_1800035472	constant_power_B_reac	1412.19	0.0	706.095	0.0
load	N_1800031029	constant_power_A	2060.2	771.972	1030.1	385.986
load	N_1800031029	constant_power_B	2060.2	771.972	1030.1	385.986
load	N_1800031029	constant_power_A_real	2060.2	0.0	1030.1	0.0
load	N_1800031029	constant_power_B_real	2060.2	0.0	1030.1	0.0
load	N_1800031029	constant_power_A_reac	771.972	0.0	385.986	0.0
load	N_1800031029	constant_power_B_reac	771.972	0.0	385.986	0.0
load	N_1800071932	constant_power_A	4714.7	1745.68	2357.35	872.84
load	N_1800071932	constant_power_B	4714.7	1745.68	2357.35	872.84
load	N_1800071932	constant_power_A_real	4714.7	0.0	2357.35	0.0
load	N_1800071932	constant_power_B_real	4714.7	0.0	2357.35	0.0
load	N_1800071932	constant_power_A_reac	1745.68	0.0	872.84	0.0
load	N_1800071932	constant_power_B_reac	1745.68	0.0	872.84	0.0
load	N_1800071933	constant_power_A	4230.46	1390.49	2115.23	695.245
load	N_1800071933	constant_power_B	4230.46	1390.49	2115.23	695.245
load	N_1800071933	constant_power_A_real	4230.46	0.0	2115.23	0.0
load	N_1800071933	constant_power_B_real	4230.46	0.0	2115.23	0.0
load	N_1800071933	constant_power_A_reac	1390.49	0.0	695.245	0.0
load	N_1800071933	constant_power_B_reac	1390.49	0.0	695.245	0.0
load	N_1800081092	constant_power_A	1963.36	645.324	981.68	322.662
load	N_1800081092	constant_power_B	1963.36	645.324	981.68	322.662
load	N_1800081092	constant_power_A_real	1963.36	0.0	981.68	0.0
load	N_1800081092	constant_power_B_real	1963.36	0.0	981.68	0.0
load	N_1800081092	constant_power_A_reac	645.324	0.0	322.662	0.0
load	N_1800081092	constant_power_B_reac	645.324	0.0	322.662	0.0
load	N_1800067850	constant_power_A	237.716	78.1335	118.858	39.06675
load	N_1800067850	constant_power_B	237.716	78.1335	118.858	39.06675
load	N_1800067850	constant_power_C	237.716	78.1335	118.858	39.06675
load	N_1800067850	constant_power_A_real	237.716	0.0	118.858	0.0
load	N_1800067850	constant_power_B_real	237.716	0.0	118.858	0.0
load	N_1800067850	constant_power_C_real	237.716	0.0	118.858	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067850	constant_power_A_reac	78.1335	0.0	39.06675	0.0
load	N_1800067850	constant_power_B_reac	78.1335	0.0	39.06675	0.0
load	N_1800067850	constant_power_C_reac	78.1335	0.0	39.06675	0.0
load	N_1800067851	constant_power_A	1358.8	446.615	679.4	223.3075
load	N_1800067851	constant_power_B	1358.8	446.615	679.4	223.3075
load	N_1800067851	constant_power_C	1358.8	446.615	679.4	223.3075
load	N_1800067851	constant_power_A_real	1358.8	0.0	679.4	0.0
load	N_1800067851	constant_power_B_real	1358.8	0.0	679.4	0.0
load	N_1800067851	constant_power_C_real	1358.8	0.0	679.4	0.0
load	N_1800067851	constant_power_A_reac	446.615	0.0	223.3075	0.0
load	N_1800067851	constant_power_B_reac	446.615	0.0	223.3075	0.0
load	N_1800067851	constant_power_C_reac	446.615	0.0	223.3075	0.0
load	N_1800037739	constant_power_A	281.737	92.6025	140.8685	46.30125
load	N_1800037739	constant_power_C	281.737	92.6025	140.8685	46.30125
load	N_1800037739	constant_power_A_real	281.737	0.0	140.8685	0.0
load	N_1800037739	constant_power_C_real	281.737	0.0	140.8685	0.0
load	N_1800037739	constant_power_A_reac	92.6025	0.0	46.30125	0.0
load	N_1800037739	constant_power_C_reac	92.6025	0.0	46.30125	0.0
load	N_1800067299	constant_power_A	2385.96	1478.69	1192.98	739.345
load	N_1800067299	constant_power_B	2385.96	1478.69	1192.98	739.345
load	N_1800067299	constant_power_A_real	2385.96	0.0	1192.98	0.0
load	N_1800067299	constant_power_B_real	2385.96	0.0	1192.98	0.0
load	N_1800067299	constant_power_A_reac	1478.69	0.0	739.345	0.0
load	N_1800067299	constant_power_B_reac	1478.69	0.0	739.345	0.0
load	N_1800067294	constant_power_A	1238.47	407.066	619.235	203.533
load	N_1800067294	constant_power_B	1238.47	407.066	619.235	203.533
load	N_1800067294	constant_power_C	1238.47	407.066	619.235	203.533
load	N_1800067294	constant_power_A_real	1238.47	0.0	619.235	0.0
load	N_1800067294	constant_power_B_real	1238.47	0.0	619.235	0.0
load	N_1800067294	constant_power_C_real	1238.47	0.0	619.235	0.0
load	N_1800067294	constant_power_A_reac	407.066	0.0	203.533	0.0
load	N_1800067294	constant_power_B_reac	407.066	0.0	203.533	0.0
load	N_1800067294	constant_power_C_reac	407.066	0.0	203.533	0.0
load	N_1800067295	constant_power_A	2353.68	773.617	1176.84	386.8085
load	N_1800067295	constant_power_B	2353.68	773.617	1176.84	386.8085
load	N_1800067295	constant_power_C	2353.68	773.617	1176.84	386.8085
load	N_1800067295	constant_power_A_real	2353.68	0.0	1176.84	0.0
load	N_1800067295	constant_power_B_real	2353.68	0.0	1176.84	0.0
load	N_1800067295	constant_power_C_real	2353.68	0.0	1176.84	0.0
load	N_1800067295	constant_power_A_reac	773.617	0.0	386.8085	0.0
load	N_1800067295	constant_power_B_reac	773.617	0.0	386.8085	0.0
load	N_1800067295	constant_power_C_reac	773.617	0.0	386.8085	0.0
load	N_1800067296	constant_power_A	748.365	245.976	374.1825	122.988
load	N_1800067296	constant_power_B	748.365	245.976	374.1825	122.988
load	N_1800067296	constant_power_C	748.365	245.976	374.1825	122.988
load	N_1800067296	constant_power_A_real	748.365	0.0	374.1825	0.0
load	N_1800067296	constant_power_B_real	748.365	0.0	374.1825	0.0
load	N_1800067296	constant_power_C_real	748.365	0.0	374.1825	0.0
load	N_1800067296	constant_power_A_reac	245.976	0.0	122.988	0.0
load	N_1800067296	constant_power_B_reac	245.976	0.0	122.988	0.0
load	N_1800067296	constant_power_C_reac	245.976	0.0	122.988	0.0
load	N_1800010066	constant_power_A	1628.79	535.359	814.395	267.6795
load	N_1800010066	constant_power_B	1628.79	535.359	814.395	267.6795
load	N_1800010066	constant_power_A_real	1628.79	0.0	814.395	0.0
load	N_1800010066	constant_power_B_real	1628.79	0.0	814.395	0.0
load	N_1800010066	constant_power_A_reac	535.359	0.0	267.6795	0.0
load	N_1800010066	constant_power_B_reac	535.359	0.0	267.6795	0.0
load	N_1800067291	constant_power_A	1772.6	582.625	886.3	291.3125
load	N_1800067291	constant_power_B	1772.6	582.625	886.3	291.3125
load	N_1800067291	constant_power_C	1772.6	582.625	886.3	291.3125
load	N_1800067291	constant_power_A_real	1772.6	0.0	886.3	0.0
load	N_1800067291	constant_power_B_real	1772.6	0.0	886.3	0.0
load	N_1800067291	constant_power_C_real	1772.6	0.0	886.3	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067291	constant_power_A_reac	582.625	0.0	291.3125	0.0
load	N_1800067291	constant_power_B_reac	582.625	0.0	291.3125	0.0
load	N_1800067291	constant_power_C_reac	582.625	0.0	291.3125	0.0
load	N_1800070996	constant_power_A	1655.21	544.04	827.605	272.02
load	N_1800070996	constant_power_B	1655.21	544.04	827.605	272.02
load	N_1800070996	constant_power_A_real	1655.21	0.0	827.605	0.0
load	N_1800070996	constant_power_B_real	1655.21	0.0	827.605	0.0
load	N_1800070996	constant_power_A_reac	544.04	0.0	272.02	0.0
load	N_1800070996	constant_power_B_reac	544.04	0.0	272.02	0.0
load	N_1800061988	constant_power_A	560.54	184.241	280.27	92.1205
load	N_1800061988	constant_power_B	560.54	184.241	280.27	92.1205
load	N_1800061988	constant_power_C	560.54	184.241	280.27	92.1205
load	N_1800061988	constant_power_A_real	560.54	0.0	280.27	0.0
load	N_1800061988	constant_power_B_real	560.54	0.0	280.27	0.0
load	N_1800061988	constant_power_C_real	560.54	0.0	280.27	0.0
load	N_1800061988	constant_power_A_reac	184.241	0.0	92.1205	0.0
load	N_1800061988	constant_power_B_reac	184.241	0.0	92.1205	0.0
load	N_1800061988	constant_power_C_reac	184.241	0.0	92.1205	0.0
load	N_1800061989	constant_power_A	237.716	147.323	118.858	73.6615
load	N_1800061989	constant_power_B	237.716	147.323	118.858	73.6615
load	N_1800061989	constant_power_C	237.716	147.323	118.858	73.6615
load	N_1800061989	constant_power_A_real	237.716	0.0	118.858	0.0
load	N_1800061989	constant_power_B_real	237.716	0.0	118.858	0.0
load	N_1800061989	constant_power_C_real	237.716	0.0	118.858	0.0
load	N_1800061989	constant_power_A_reac	147.323	0.0	73.6615	0.0
load	N_1800061989	constant_power_B_reac	147.323	0.0	73.6615	0.0
load	N_1800061989	constant_power_C_reac	147.323	0.0	73.6615	0.0
load	N_1800196949	constant_power_A	2399.17	1486.87	1199.585	743.435
load	N_1800196949	constant_power_C	2399.17	1486.87	1199.585	743.435
load	N_1800196949	constant_power_A_real	2399.17	0.0	1199.585	0.0
load	N_1800196949	constant_power_C_real	2399.17	0.0	1199.585	0.0
load	N_1800196949	constant_power_A_reac	1486.87	0.0	743.435	0.0
load	N_1800196949	constant_power_C_reac	1486.87	0.0	743.435	0.0
load	N_1800061983	constant_power_A	5194.53	1707.36	2597.265	853.68
load	N_1800061983	constant_power_B	5194.53	1707.36	2597.265	853.68
load	N_1800061983	constant_power_A_real	5194.53	0.0	2597.265	0.0
load	N_1800061983	constant_power_B_real	5194.53	0.0	2597.265	0.0
load	N_1800061983	constant_power_A_reac	1707.36	0.0	853.68	0.0
load	N_1800061983	constant_power_B_reac	1707.36	0.0	853.68	0.0
load	N_1800061984	constant_power_A	3891.5	2216.12	1945.75	1108.06
load	N_1800061984	constant_power_B	3891.5	2216.12	1945.75	1108.06
load	N_1800061984	constant_power_C	3891.5	2216.12	1945.75	1108.06
load	N_1800061984	constant_power_A_real	3891.5	0.0	1945.75	0.0
load	N_1800061984	constant_power_B_real	3891.5	0.0	1945.75	0.0
load	N_1800061984	constant_power_C_real	3891.5	0.0	1945.75	0.0
load	N_1800061984	constant_power_A_reac	2216.12	0.0	1108.06	0.0
load	N_1800061984	constant_power_B_reac	2216.12	0.0	1108.06	0.0
load	N_1800061984	constant_power_C_reac	2216.12	0.0	1108.06	0.0
load	N_1800061985	constant_power_A	11524.8	7142.44	5762.4	3571.22
load	N_1800061985	constant_power_B	11524.8	7142.44	5762.4	3571.22
load	N_1800061985	constant_power_C	11524.8	7142.44	5762.4	3571.22
load	N_1800061985	constant_power_A_real	11524.8	0.0	5762.4	0.0
load	N_1800061985	constant_power_B_real	11524.8	0.0	5762.4	0.0
load	N_1800061985	constant_power_C_real	11524.8	0.0	5762.4	0.0
load	N_1800061985	constant_power_A_reac	7142.44	0.0	3571.22	0.0
load	N_1800061985	constant_power_B_reac	7142.44	0.0	3571.22	0.0
load	N_1800061985	constant_power_C_reac	7142.44	0.0	3571.22	0.0
load	N_1800071808	constant_power_A	1122.55	368.963	561.275	184.4815
load	N_1800071808	constant_power_B	1122.55	368.963	561.275	184.4815
load	N_1800071808	constant_power_A_real	1122.55	0.0	561.275	0.0
load	N_1800071808	constant_power_B_real	1122.55	0.0	561.275	0.0
load	N_1800071808	constant_power_A_reac	368.963	0.0	184.4815	0.0
load	N_1800071808	constant_power_B_reac	368.963	0.0	184.4815	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069280	constant_power_A	638.311	209.803	319.1555	104.9015
load	N_1800069280	constant_power_B	638.311	209.803	319.1555	104.9015
load	N_1800069280	constant_power_A_real	638.311	0.0	319.1555	0.0
load	N_1800069280	constant_power_B_real	638.311	0.0	319.1555	0.0
load	N_1800069280	constant_power_A_reac	209.803	0.0	104.9015	0.0
load	N_1800069280	constant_power_B_reac	209.803	0.0	104.9015	0.0
load	N_1800071802	constant_power_A	2952.37	1829.72	1476.185	914.86
load	N_1800071802	constant_power_B	2952.37	1829.72	1476.185	914.86
load	N_1800071802	constant_power_C	2952.37	1829.72	1476.185	914.86
load	N_1800071802	constant_power_A_real	2952.37	0.0	1476.185	0.0
load	N_1800071802	constant_power_B_real	2952.37	0.0	1476.185	0.0
load	N_1800071802	constant_power_C_real	2952.37	0.0	1476.185	0.0
load	N_1800071802	constant_power_A_reac	1829.72	0.0	914.86	0.0
load	N_1800071802	constant_power_B_reac	1829.72	0.0	914.86	0.0
load	N_1800071802	constant_power_C_reac	1829.72	0.0	914.86	0.0
load	N_1800009901	constant_power_A	290.542	95.4964	145.271	47.7482
load	N_1800009901	constant_power_B	290.542	95.4964	145.271	47.7482
load	N_1800009901	constant_power_C	290.542	95.4964	145.271	47.7482
load	N_1800009901	constant_power_A_real	290.542	0.0	145.271	0.0
load	N_1800009901	constant_power_B_real	290.542	0.0	145.271	0.0
load	N_1800009901	constant_power_C_real	290.542	0.0	145.271	0.0
load	N_1800009901	constant_power_A_reac	95.4964	0.0	47.7482	0.0
load	N_1800009901	constant_power_B_reac	95.4964	0.0	47.7482	0.0
load	N_1800009901	constant_power_C_reac	95.4964	0.0	47.7482	0.0
load	N_1800082099	constant_power_A	1611.18	529.571	805.59	264.7855
load	N_1800082099	constant_power_B	1611.18	529.571	805.59	264.7855
load	N_1800082099	constant_power_A_real	1611.18	0.0	805.59	0.0
load	N_1800082099	constant_power_B_real	1611.18	0.0	805.59	0.0
load	N_1800082099	constant_power_A_reac	529.571	0.0	264.7855	0.0
load	N_1800082099	constant_power_B_reac	529.571	0.0	264.7855	0.0
load	N_1800024978	constant_power_A	10252.6	3554.37	5126.3	1777.185
load	N_1800024978	constant_power_B	10252.6	3554.37	5126.3	1777.185
load	N_1800024978	constant_power_A_real	10252.6	0.0	5126.3	0.0
load	N_1800024978	constant_power_B_real	10252.6	0.0	5126.3	0.0
load	N_1800024978	constant_power_A_reac	3554.37	0.0	1777.185	0.0
load	N_1800024978	constant_power_B_reac	3554.37	0.0	1777.185	0.0
load	N_1800031175	constant_power_A	10283.4	3379.99	5141.7	1689.995
load	N_1800031175	constant_power_A_real	10283.4	0.0	5141.7	0.0
load	N_1800031175	constant_power_A_reac	3379.99	0.0	1689.995	0.0
load	N_1800073772	constant_power_A	39.619	13.0221	19.8095	6.51105
load	N_1800073772	constant_power_B	39.619	13.0221	19.8095	6.51105
load	N_1800073772	constant_power_A_real	39.619	0.0	19.8095	0.0
load	N_1800073772	constant_power_B_real	39.619	0.0	19.8095	0.0
load	N_1800073772	constant_power_A_reac	13.0221	0.0	6.51105	0.0
load	N_1800073772	constant_power_B_reac	13.0221	0.0	6.51105	0.0
load	N_1800072684	constant_power_A	801.191	496.534	400.5955	248.267
load	N_1800072684	constant_power_A_real	801.191	0.0	400.5955	0.0
load	N_1800072684	constant_power_A_reac	496.534	0.0	248.267	0.0
load	N_1800046075	constant_power_A	854.016	280.701	427.008	140.3505
load	N_1800046075	constant_power_B	854.016	280.701	427.008	140.3505
load	N_1800046075	constant_power_A_real	854.016	0.0	427.008	0.0
load	N_1800046075	constant_power_B_real	854.016	0.0	427.008	0.0
load	N_1800046075	constant_power_A_reac	280.701	0.0	140.3505	0.0
load	N_1800046075	constant_power_B_reac	280.701	0.0	140.3505	0.0
load	N_1800046074	constant_power_A	399.128	131.187	199.564	65.5935
load	N_1800046074	constant_power_B	399.128	131.187	199.564	65.5935
load	N_1800046074	constant_power_C	399.128	131.187	199.564	65.5935
load	N_1800046074	constant_power_A_real	399.128	0.0	199.564	0.0
load	N_1800046074	constant_power_B_real	399.128	0.0	199.564	0.0
load	N_1800046074	constant_power_C_real	399.128	0.0	199.564	0.0
load	N_1800046074	constant_power_A_reac	131.187	0.0	65.5935	0.0
load	N_1800046074	constant_power_B_reac	131.187	0.0	65.5935	0.0
load	N_1800046074	constant_power_C_reac	131.187	0.0	65.5935	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073171	constant_power_A	12290.8	4039.79	6145.4	2019.895
load	N_1800073171	constant_power_B	12290.8	4039.79	6145.4	2019.895
load	N_1800073171	constant_power_A_real	12290.8	0.0	6145.4	0.0
load	N_1800073171	constant_power_B_real	12290.8	0.0	6145.4	0.0
load	N_1800073171	constant_power_A_reac	4039.79	0.0	2019.895	0.0
load	N_1800073171	constant_power_B_reac	4039.79	0.0	2019.895	0.0
load	N_1800068535	constant_power_A	2541.51	835.353	1270.755	417.6765
load	N_1800068535	constant_power_B	2541.51	835.353	1270.755	417.6765
load	N_1800068535	constant_power_C	2541.51	835.353	1270.755	417.6765
load	N_1800068535	constant_power_A_real	2541.51	0.0	1270.755	0.0
load	N_1800068535	constant_power_B_real	2541.51	0.0	1270.755	0.0
load	N_1800068535	constant_power_C_real	2541.51	0.0	1270.755	0.0
load	N_1800068535	constant_power_A_reac	835.353	0.0	417.6765	0.0
load	N_1800068535	constant_power_B_reac	835.353	0.0	417.6765	0.0
load	N_1800068535	constant_power_C_reac	835.353	0.0	417.6765	0.0
load	N_1800029852	constant_power_A	1615.59	531.018	807.795	265.509
load	N_1800029852	constant_power_B	1615.59	531.018	807.795	265.509
load	N_1800029852	constant_power_A_real	1615.59	0.0	807.795	0.0
load	N_1800029852	constant_power_B_real	1615.59	0.0	807.795	0.0
load	N_1800029852	constant_power_A_reac	531.018	0.0	265.509	0.0
load	N_1800029852	constant_power_B_reac	531.018	0.0	265.509	0.0
load	N_1800068288	constant_power_A	1329.45	436.968	664.725	218.484
load	N_1800068288	constant_power_B	1329.45	436.968	664.725	218.484
load	N_1800068288	constant_power_A_real	1329.45	0.0	664.725	0.0
load	N_1800068288	constant_power_B_real	1329.45	0.0	664.725	0.0
load	N_1800068288	constant_power_A_reac	436.968	0.0	218.484	0.0
load	N_1800068288	constant_power_B_reac	436.968	0.0	218.484	0.0
load	N_1800068289	constant_power_A	2143.84	704.648	1071.92	352.324
load	N_1800068289	constant_power_B	2143.84	704.648	1071.92	352.324
load	N_1800068289	constant_power_A_real	2143.84	0.0	1071.92	0.0
load	N_1800068289	constant_power_B_real	2143.84	0.0	1071.92	0.0
load	N_1800068289	constant_power_A_reac	704.648	0.0	352.324	0.0
load	N_1800068289	constant_power_B_reac	704.648	0.0	352.324	0.0
load	N_1800070291	constant_power_A	572.279	188.099	286.1395	94.0495
load	N_1800070291	constant_power_B	572.279	188.099	286.1395	94.0495
load	N_1800070291	constant_power_C	572.279	188.099	286.1395	94.0495
load	N_1800070291	constant_power_A_real	572.279	0.0	286.1395	0.0
load	N_1800070291	constant_power_B_real	572.279	0.0	286.1395	0.0
load	N_1800070291	constant_power_C_real	572.279	0.0	286.1395	0.0
load	N_1800070291	constant_power_A_reac	188.099	0.0	94.0495	0.0
load	N_1800070291	constant_power_B_reac	188.099	0.0	94.0495	0.0
load	N_1800070291	constant_power_C_reac	188.099	0.0	94.0495	0.0
load	N_1800067878	constant_power_A	2601.67	1040.91	1300.835	520.455
load	N_1800067878	constant_power_B	2601.67	1040.91	1300.835	520.455
load	N_1800067878	constant_power_A_real	2601.67	0.0	1300.835	0.0
load	N_1800067878	constant_power_B_real	2601.67	0.0	1300.835	0.0
load	N_1800067878	constant_power_A_reac	1040.91	0.0	520.455	0.0
load	N_1800067878	constant_power_B_reac	1040.91	0.0	520.455	0.0
load	N_1800067871	constant_power_A	176.086	69.4082	88.043	34.7041
load	N_1800067871	constant_power_B	176.086	69.4082	88.043	34.7041
load	N_1800067871	constant_power_A_real	176.086	0.0	88.043	0.0
load	N_1800067871	constant_power_B_real	176.086	0.0	88.043	0.0
load	N_1800067871	constant_power_A_reac	69.4082	0.0	34.7041	0.0
load	N_1800067871	constant_power_B_reac	69.4082	0.0	34.7041	0.0
load	N_1800067873	constant_power_A	1395.48	458.672	697.74	229.336
load	N_1800067873	constant_power_B	1395.48	458.672	697.74	229.336
load	N_1800067873	constant_power_A_real	1395.48	0.0	697.74	0.0
load	N_1800067873	constant_power_B_real	1395.48	0.0	697.74	0.0
load	N_1800067873	constant_power_A_reac	458.672	0.0	229.336	0.0
load	N_1800067873	constant_power_B_reac	458.672	0.0	229.336	0.0
load	N_1800078133	constant_power_A	431.41	141.798	215.705	70.899
load	N_1800078133	constant_power_B	431.41	141.798	215.705	70.899
load	N_1800078133	constant_power_A_real	431.41	0.0	215.705	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800078133	constant_power_B_real	431.41	0.0	215.705	0.0
load	N_1800078133	constant_power_A_reac	141.798	0.0	70.899	0.0
load	N_1800078133	constant_power_B_reac	141.798	0.0	70.899	0.0
load	N_1800067876	constant_power_A	1901.73	1178.58	950.865	589.29
load	N_1800067876	constant_power_B	1901.73	1178.58	950.865	589.29
load	N_1800067876	constant_power_C	1901.73	1178.58	950.865	589.29
load	N_1800067876	constant_power_A_real	1901.73	0.0	950.865	0.0
load	N_1800067876	constant_power_B_real	1901.73	0.0	950.865	0.0
load	N_1800067876	constant_power_C_real	1901.73	0.0	950.865	0.0
load	N_1800067876	constant_power_A_reac	1178.58	0.0	589.29	0.0
load	N_1800067876	constant_power_B_reac	1178.58	0.0	589.29	0.0
load	N_1800067876	constant_power_C_reac	1178.58	0.0	589.29	0.0
load	N_1800041294	constant_power_A	584.018	191.957	292.009	95.9785
load	N_1800041294	constant_power_B	584.018	191.957	292.009	95.9785
load	N_1800041294	constant_power_C	584.018	191.957	292.009	95.9785
load	N_1800041294	constant_power_A_real	584.018	0.0	292.009	0.0
load	N_1800041294	constant_power_B_real	584.018	0.0	292.009	0.0
load	N_1800041294	constant_power_C_real	584.018	0.0	292.009	0.0
load	N_1800041294	constant_power_A_reac	191.957	0.0	95.9785	0.0
load	N_1800041294	constant_power_B_reac	191.957	0.0	95.9785	0.0
load	N_1800041294	constant_power_C_reac	191.957	0.0	95.9785	0.0
load	N_1800041295	constant_power_A	2139.44	703.201	1069.72	351.6005
load	N_1800041295	constant_power_B	2139.44	703.201	1069.72	351.6005
load	N_1800041295	constant_power_A_real	2139.44	0.0	1069.72	0.0
load	N_1800041295	constant_power_B_real	2139.44	0.0	1069.72	0.0
load	N_1800041295	constant_power_A_reac	703.201	0.0	351.6005	0.0
load	N_1800041295	constant_power_B_reac	703.201	0.0	351.6005	0.0
load	N_1800041296	constant_power_A	314.02	194.612	157.01	97.306
load	N_1800041296	constant_power_B	314.02	194.612	157.01	97.306
load	N_1800041296	constant_power_C	314.02	194.612	157.01	97.306
load	N_1800041296	constant_power_A_real	314.02	0.0	157.01	0.0
load	N_1800041296	constant_power_B_real	314.02	0.0	157.01	0.0
load	N_1800041296	constant_power_C_real	314.02	0.0	157.01	0.0
load	N_1800041296	constant_power_A_reac	194.612	0.0	97.306	0.0
load	N_1800041296	constant_power_B_reac	194.612	0.0	97.306	0.0
load	N_1800041296	constant_power_C_reac	194.612	0.0	97.306	0.0
load	N_1800073463	constant_power_A	3011.07	989.69	1505.535	494.845
load	N_1800073463	constant_power_B	3011.07	989.69	1505.535	494.845
load	N_1800073463	constant_power_A_real	3011.07	0.0	1505.535	0.0
load	N_1800073463	constant_power_B_real	3011.07	0.0	1505.535	0.0
load	N_1800073463	constant_power_A_reac	989.69	0.0	494.845	0.0
load	N_1800073463	constant_power_B_reac	989.69	0.0	494.845	0.0
load	N_1800068283	constant_power_A	1408.69	463.013	704.345	231.5065
load	N_1800068283	constant_power_B	1408.69	463.013	704.345	231.5065
load	N_1800068283	constant_power_A_real	1408.69	0.0	704.345	0.0
load	N_1800068283	constant_power_B_real	1408.69	0.0	704.345	0.0
load	N_1800068283	constant_power_A_reac	463.013	0.0	231.5065	0.0
load	N_1800068283	constant_power_B_reac	463.013	0.0	231.5065	0.0
load	N_1800072778	constant_power_A	1734.45	570.085	867.225	285.0425
load	N_1800072778	constant_power_A_real	1734.45	0.0	867.225	0.0
load	N_1800072778	constant_power_A_reac	570.085	0.0	285.0425	0.0
load	N_1800069539	constant_power_A	2002.98	658.346	1001.49	329.173
load	N_1800069539	constant_power_B	2002.98	658.346	1001.49	329.173
load	N_1800069539	constant_power_A_real	2002.98	0.0	1001.49	0.0
load	N_1800069539	constant_power_B_real	2002.98	0.0	1001.49	0.0
load	N_1800069539	constant_power_A_reac	658.346	0.0	329.173	0.0
load	N_1800069539	constant_power_B_reac	658.346	0.0	329.173	0.0
load	N_1800069538	constant_power_A	3446.88	1132.93	1723.44	566.465
load	N_1800069538	constant_power_B	3446.88	1132.93	1723.44	566.465
load	N_1800069538	constant_power_A_real	3446.88	0.0	1723.44	0.0
load	N_1800069538	constant_power_B_real	3446.88	0.0	1723.44	0.0
load	N_1800069538	constant_power_A_reac	1132.93	0.0	566.465	0.0
load	N_1800069538	constant_power_B_reac	1132.93	0.0	566.465	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800041452	constant_power_A	892.168	293.242	446.084	146.621
load	N_1800041452	constant_power_B	892.168	293.242	446.084	146.621
load	N_1800041452	constant_power_C	892.168	293.242	446.084	146.621
load	N_1800041452	constant_power_A_real	892.168	0.0	446.084	0.0
load	N_1800041452	constant_power_B_real	892.168	0.0	446.084	0.0
load	N_1800041452	constant_power_C_real	892.168	0.0	446.084	0.0
load	N_1800041452	constant_power_A_reac	293.242	0.0	146.621	0.0
load	N_1800041452	constant_power_B_reac	293.242	0.0	146.621	0.0
load	N_1800041452	constant_power_C_reac	293.242	0.0	146.621	0.0
load	N_1800009261	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800009261	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800009261	constant_power_C	545.866	179.417	272.933	89.7085
load	N_1800009261	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800009261	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800009261	constant_power_C_real	545.866	0.0	272.933	0.0
load	N_1800009261	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800009261	constant_power_B_reac	179.417	0.0	89.7085	0.0
load	N_1800009261	constant_power_C_reac	179.417	0.0	89.7085	0.0
load	N_1800069530	constant_power_A	742.495	244.046	371.2475	122.023
load	N_1800069530	constant_power_B	742.495	244.046	371.2475	122.023
load	N_1800069530	constant_power_C	742.495	244.046	371.2475	122.023
load	N_1800069530	constant_power_A_real	742.495	0.0	371.2475	0.0
load	N_1800069530	constant_power_B_real	742.495	0.0	371.2475	0.0
load	N_1800069530	constant_power_C_real	742.495	0.0	371.2475	0.0
load	N_1800069530	constant_power_A_reac	244.046	0.0	122.023	0.0
load	N_1800069530	constant_power_B_reac	244.046	0.0	122.023	0.0
load	N_1800069530	constant_power_C_reac	244.046	0.0	122.023	0.0
load	N_1800072775	constant_power_A	8073.54	2653.64	4036.77	1326.82
load	N_1800072775	constant_power_A_real	8073.54	0.0	4036.77	0.0
load	N_1800072775	constant_power_A_reac	2653.64	0.0	1326.82	0.0
load	N_1800041457	constant_power_A	1646.4	541.146	823.2	270.573
load	N_1800041457	constant_power_B	1646.4	541.146	823.2	270.573
load	N_1800041457	constant_power_A_real	1646.4	0.0	823.2	0.0
load	N_1800041457	constant_power_B_real	1646.4	0.0	823.2	0.0
load	N_1800041457	constant_power_A_reac	541.146	0.0	270.573	0.0
load	N_1800041457	constant_power_B_reac	541.146	0.0	270.573	0.0
load	N_1800041454	constant_power_A	748.365	245.976	374.1825	122.988
load	N_1800041454	constant_power_B	748.365	245.976	374.1825	122.988
load	N_1800041454	constant_power_A_real	748.365	0.0	374.1825	0.0
load	N_1800041454	constant_power_B_real	748.365	0.0	374.1825	0.0
load	N_1800041454	constant_power_A_reac	245.976	0.0	122.988	0.0
load	N_1800041454	constant_power_B_reac	245.976	0.0	122.988	0.0
load	N_1800072776	constant_power_A	2289.12	752.396	1144.56	376.198
load	N_1800072776	constant_power_A_real	2289.12	0.0	1144.56	0.0
load	N_1800072776	constant_power_A_reac	752.396	0.0	376.198	0.0
load	N_1800073080	constant_power_A	1457.11	478.929	728.555	239.4645
load	N_1800073080	constant_power_B	1457.11	478.929	728.555	239.4645
load	N_1800073080	constant_power_A_real	1457.11	0.0	728.555	0.0
load	N_1800073080	constant_power_B_real	1457.11	0.0	728.555	0.0
load	N_1800073080	constant_power_A_reac	478.929	0.0	239.4645	0.0
load	N_1800073080	constant_power_B_reac	478.929	0.0	239.4645	0.0
load	N_1800069519	constant_power_A	1452.71	477.482	726.355	238.741
load	N_1800069519	constant_power_B	1452.71	477.482	726.355	238.741
load	N_1800069519	constant_power_A_real	1452.71	0.0	726.355	0.0
load	N_1800069519	constant_power_B_real	1452.71	0.0	726.355	0.0
load	N_1800069519	constant_power_A_reac	477.482	0.0	238.741	0.0
load	N_1800069519	constant_power_B_reac	477.482	0.0	238.741	0.0
load	N_1800035471	constant_power_A	3807.86	1251.58	1903.93	625.79
load	N_1800035471	constant_power_B	3807.86	1251.58	1903.93	625.79
load	N_1800035471	constant_power_A_real	3807.86	0.0	1903.93	0.0
load	N_1800035471	constant_power_B_real	3807.86	0.0	1903.93	0.0
load	N_1800035471	constant_power_A_reac	1251.58	0.0	625.79	0.0
load	N_1800035471	constant_power_B_reac	1251.58	0.0	625.79	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800035470	constant_power_A	5846.05	1921.5	2923.025	960.75
load	N_1800035470	constant_power_B	5846.05	1921.5	2923.025	960.75
load	N_1800035470	constant_power_A_real	5846.05	0.0	2923.025	0.0
load	N_1800035470	constant_power_B_real	5846.05	0.0	2923.025	0.0
load	N_1800035470	constant_power_A_reac	1921.5	0.0	960.75	0.0
load	N_1800035470	constant_power_B_reac	1921.5	0.0	960.75	0.0
load	N_1800070269	constant_power_A	1003.69	329.897	501.845	164.9485
load	N_1800070269	constant_power_B	1003.69	329.897	501.845	164.9485
load	N_1800070269	constant_power_A_real	1003.69	0.0	501.845	0.0
load	N_1800070269	constant_power_B_real	1003.69	0.0	501.845	0.0
load	N_1800070269	constant_power_A_reac	329.897	0.0	164.9485	0.0
load	N_1800070269	constant_power_B_reac	329.897	0.0	164.9485	0.0
load	N_1800069434	constant_power_A	83.641	27.4915	41.8205	13.74575
load	N_1800069434	constant_power_C	83.641	27.4915	41.8205	13.74575
load	N_1800069434	constant_power_A_real	83.641	0.0	41.8205	0.0
load	N_1800069434	constant_power_C_real	83.641	0.0	41.8205	0.0
load	N_1800069434	constant_power_A_reac	27.4915	0.0	13.74575	0.0
load	N_1800069434	constant_power_C_reac	27.4915	0.0	13.74575	0.0
load	N_1800035475	constant_power_A	4108.67	1350.45	2054.335	675.225
load	N_1800035475	constant_power_B	4108.67	1350.45	2054.335	675.225
load	N_1800035475	constant_power_C	4108.67	1350.45	2054.335	675.225
load	N_1800035475	constant_power_A_real	4108.67	0.0	2054.335	0.0
load	N_1800035475	constant_power_B_real	4108.67	0.0	2054.335	0.0
load	N_1800035475	constant_power_C_real	4108.67	0.0	2054.335	0.0
load	N_1800035475	constant_power_A_reac	1350.45	0.0	675.225	0.0
load	N_1800035475	constant_power_B_reac	1350.45	0.0	675.225	0.0
load	N_1800035475	constant_power_C_reac	1350.45	0.0	675.225	0.0
load	N_1800070685	constant_power_A	4406.55	1709.75	2203.275	854.875
load	N_1800070685	constant_power_B	4406.55	1709.75	2203.275	854.875
load	N_1800070685	constant_power_A_real	4406.55	0.0	2203.275	0.0
load	N_1800070685	constant_power_B_real	4406.55	0.0	2203.275	0.0
load	N_1800070685	constant_power_A_reac	1709.75	0.0	854.875	0.0
load	N_1800070685	constant_power_B_reac	1709.75	0.0	854.875	0.0
load	N_1800070517	constant_power_A	1584.77	982.154	792.385	491.077
load	N_1800070517	constant_power_B	1584.77	982.154	792.385	491.077
load	N_1800070517	constant_power_C	1584.77	982.154	792.385	491.077
load	N_1800070517	constant_power_A_real	1584.77	0.0	792.385	0.0
load	N_1800070517	constant_power_B_real	1584.77	0.0	792.385	0.0
load	N_1800070517	constant_power_C_real	1584.77	0.0	792.385	0.0
load	N_1800070517	constant_power_A_reac	982.154	0.0	491.077	0.0
load	N_1800070517	constant_power_B_reac	982.154	0.0	491.077	0.0
load	N_1800070517	constant_power_C_reac	982.154	0.0	491.077	0.0
load	N_1800070044	constant_power_A	1170.97	384.88	585.485	192.44
load	N_1800070044	constant_power_B	1170.97	384.88	585.485	192.44
load	N_1800070044	constant_power_A_real	1170.97	0.0	585.485	0.0
load	N_1800070044	constant_power_B_real	1170.97	0.0	585.485	0.0
load	N_1800070044	constant_power_A_reac	384.88	0.0	192.44	0.0
load	N_1800070044	constant_power_B_reac	384.88	0.0	192.44	0.0
load	N_1800070046	constant_power_A	792.386	260.445	396.193	130.2225
load	N_1800070046	constant_power_B	792.386	260.445	396.193	130.2225
load	N_1800070046	constant_power_A_real	792.386	0.0	396.193	0.0
load	N_1800070046	constant_power_B_real	792.386	0.0	396.193	0.0
load	N_1800070046	constant_power_A_reac	260.445	0.0	130.2225	0.0
load	N_1800070046	constant_power_B_reac	260.445	0.0	130.2225	0.0
load	N_1800067900	constant_power_A	1483.52	543.987	741.76	271.9935
load	N_1800067900	constant_power_B	1483.52	543.987	741.76	271.9935
load	N_1800067900	constant_power_A_real	1483.52	0.0	741.76	0.0
load	N_1800067900	constant_power_B_real	1483.52	0.0	741.76	0.0
load	N_1800067900	constant_power_A_reac	543.987	0.0	271.9935	0.0
load	N_1800067900	constant_power_B_reac	543.987	0.0	271.9935	0.0
load	N_1800067902	constant_power_A	1206.19	396.455	603.095	198.2275
load	N_1800067902	constant_power_B	1206.19	396.455	603.095	198.2275
load	N_1800067902	constant_power_A_real	1206.19	0.0	603.095	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067902	constant_power_B_real	1206.19	0.0	603.095	0.0
load	N_1800067902	constant_power_A_reac	396.455	0.0	198.2275	0.0
load	N_1800067902	constant_power_B_reac	396.455	0.0	198.2275	0.0
load	N_1800068262	constant_power_A	818.799	269.126	409.3995	134.563
load	N_1800068262	constant_power_B	818.799	269.126	409.3995	134.563
load	N_1800068262	constant_power_A_real	818.799	0.0	409.3995	0.0
load	N_1800068262	constant_power_B_real	818.799	0.0	409.3995	0.0
load	N_1800068262	constant_power_A_reac	269.126	0.0	134.563	0.0
load	N_1800068262	constant_power_B_reac	269.126	0.0	134.563	0.0
load	N_1800068263	constant_power_A	2469.6	811.72	1234.8	405.86
load	N_1800068263	constant_power_B	2469.6	811.72	1234.8	405.86
load	N_1800068263	constant_power_A_real	2469.6	0.0	1234.8	0.0
load	N_1800068263	constant_power_B_real	2469.6	0.0	1234.8	0.0
load	N_1800068263	constant_power_A_reac	811.72	0.0	405.86	0.0
load	N_1800068263	constant_power_B_reac	811.72	0.0	405.86	0.0
load	N_1800039408	constant_power_A	2016.18	662.687	1008.09	331.3435
load	N_1800039408	constant_power_B	2016.18	662.687	1008.09	331.3435
load	N_1800039408	constant_power_A_real	2016.18	0.0	1008.09	0.0
load	N_1800039408	constant_power_B_real	2016.18	0.0	1008.09	0.0
load	N_1800039408	constant_power_A_reac	662.687	0.0	331.3435	0.0
load	N_1800039408	constant_power_B_reac	662.687	0.0	331.3435	0.0
load	N_1800068267	constant_power_A	1611.18	529.571	805.59	264.7855
load	N_1800068267	constant_power_B	1611.18	529.571	805.59	264.7855
load	N_1800068267	constant_power_A_real	1611.18	0.0	805.59	0.0
load	N_1800068267	constant_power_B_real	1611.18	0.0	805.59	0.0
load	N_1800068267	constant_power_A_reac	529.571	0.0	264.7855	0.0
load	N_1800068267	constant_power_B_reac	529.571	0.0	264.7855	0.0
load	N_1800036091	constant_power_A	4754.32	2946.46	2377.16	1473.23
load	N_1800036091	constant_power_B	4754.32	2946.46	2377.16	1473.23
load	N_1800036091	constant_power_C	4754.32	2946.46	2377.16	1473.23
load	N_1800036091	constant_power_A_real	4754.32	0.0	2377.16	0.0
load	N_1800036091	constant_power_B_real	4754.32	0.0	2377.16	0.0
load	N_1800036091	constant_power_C_real	4754.32	0.0	2377.16	0.0
load	N_1800036091	constant_power_A_reac	2946.46	0.0	1473.23	0.0
load	N_1800036091	constant_power_B_reac	2946.46	0.0	1473.23	0.0
load	N_1800036091	constant_power_C_reac	2946.46	0.0	1473.23	0.0
load	N_1800069194	constant_power_A	805.593	264.786	402.7965	132.393
load	N_1800069194	constant_power_B	805.593	264.786	402.7965	132.393
load	N_1800069194	constant_power_A_real	805.593	0.0	402.7965	0.0
load	N_1800069194	constant_power_B_real	805.593	0.0	402.7965	0.0
load	N_1800069194	constant_power_A_reac	264.786	0.0	132.393	0.0
load	N_1800069194	constant_power_B_reac	264.786	0.0	132.393	0.0
load	N_1800069197	constant_power_A	743.962	380.345	371.981	190.1725
load	N_1800069197	constant_power_B	743.962	380.345	371.981	190.1725
load	N_1800069197	constant_power_A_real	743.962	0.0	371.981	0.0
load	N_1800069197	constant_power_B_real	743.962	0.0	371.981	0.0
load	N_1800069197	constant_power_A_reac	380.345	0.0	190.1725	0.0
load	N_1800069197	constant_power_B_reac	380.345	0.0	190.1725	0.0
load	N_1800069624	constant_power_A	1082.93	355.941	541.465	177.9705
load	N_1800069624	constant_power_B	1082.93	355.941	541.465	177.9705
load	N_1800069624	constant_power_A_real	1082.93	0.0	541.465	0.0
load	N_1800069624	constant_power_B_real	1082.93	0.0	541.465	0.0
load	N_1800069624	constant_power_A_reac	355.941	0.0	177.9705	0.0
load	N_1800069624	constant_power_B_reac	355.941	0.0	177.9705	0.0
load	N_1800069623	constant_power_A	1056.52	347.26	528.26	173.63
load	N_1800069623	constant_power_B	1056.52	347.26	528.26	173.63
load	N_1800069623	constant_power_A_real	1056.52	0.0	528.26	0.0
load	N_1800069623	constant_power_B_real	1056.52	0.0	528.26	0.0
load	N_1800069623	constant_power_A_reac	347.26	0.0	173.63	0.0
load	N_1800069623	constant_power_B_reac	347.26	0.0	173.63	0.0
load	N_1800069622	constant_power_A	2121.83	697.413	1060.915	348.7065
load	N_1800069622	constant_power_B	2121.83	697.413	1060.915	348.7065
load	N_1800069622	constant_power_A_real	2121.83	0.0	1060.915	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069622	constant_power_B_real	2121.83	0.0	1060.915	0.0
load	N_1800069622	constant_power_A_reac	697.413	0.0	348.7065	0.0
load	N_1800069622	constant_power_B_reac	697.413	0.0	348.7065	0.0
load	N_1800069621	constant_power_A	242.118	79.5803	121.059	39.79015
load	N_1800069621	constant_power_B	242.118	79.5803	121.059	39.79015
load	N_1800069621	constant_power_A_real	242.118	0.0	121.059	0.0
load	N_1800069621	constant_power_B_real	242.118	0.0	121.059	0.0
load	N_1800069621	constant_power_A_reac	79.5803	0.0	39.79015	0.0
load	N_1800069621	constant_power_B_reac	79.5803	0.0	39.79015	0.0
load	N_1800069620	constant_power_A	1672.82	549.828	836.41	274.914
load	N_1800069620	constant_power_B	1672.82	549.828	836.41	274.914
load	N_1800069620	constant_power_A_real	1672.82	0.0	836.41	0.0
load	N_1800069620	constant_power_B_real	1672.82	0.0	836.41	0.0
load	N_1800069620	constant_power_A_reac	549.828	0.0	274.914	0.0
load	N_1800069620	constant_power_B_reac	549.828	0.0	274.914	0.0
load	N_1800070191	constant_power_A	176.086	57.8767	88.043	28.93835
load	N_1800070191	constant_power_B	176.086	57.8767	88.043	28.93835
load	N_1800070191	constant_power_C	176.086	57.8767	88.043	28.93835
load	N_1800070191	constant_power_A_real	176.086	0.0	88.043	0.0
load	N_1800070191	constant_power_B_real	176.086	0.0	88.043	0.0
load	N_1800070191	constant_power_C_real	176.086	0.0	88.043	0.0
load	N_1800070191	constant_power_A_reac	57.8767	0.0	28.93835	0.0
load	N_1800070191	constant_power_B_reac	57.8767	0.0	28.93835	0.0
load	N_1800070191	constant_power_C_reac	57.8767	0.0	28.93835	0.0
load	N_1800069848	constant_power_A	4063.18	1335.5	2031.59	667.75
load	N_1800069848	constant_power_B	4063.18	1335.5	2031.59	667.75
load	N_1800069848	constant_power_A_real	4063.18	0.0	2031.59	0.0
load	N_1800069848	constant_power_B_real	4063.18	0.0	2031.59	0.0
load	N_1800069848	constant_power_A_reac	1335.5	0.0	667.75	0.0
load	N_1800069848	constant_power_B_reac	1335.5	0.0	667.75	0.0
load	N_1800069847	constant_power_A	3050.69	1002.71	1525.345	501.355
load	N_1800069847	constant_power_B	3050.69	1002.71	1525.345	501.355
load	N_1800069847	constant_power_A_real	3050.69	0.0	1525.345	0.0
load	N_1800069847	constant_power_B_real	3050.69	0.0	1525.345	0.0
load	N_1800069847	constant_power_A_reac	1002.71	0.0	501.355	0.0
load	N_1800069847	constant_power_B_reac	1002.71	0.0	501.355	0.0
load	N_1800069846	constant_power_A	3662.59	1203.83	1831.295	601.915
load	N_1800069846	constant_power_B	3662.59	1203.83	1831.295	601.915
load	N_1800069846	constant_power_A_real	3662.59	0.0	1831.295	0.0
load	N_1800069846	constant_power_B_real	3662.59	0.0	1831.295	0.0
load	N_1800069846	constant_power_A_reac	1203.83	0.0	601.915	0.0
load	N_1800069846	constant_power_B_reac	1203.83	0.0	601.915	0.0
load	N_1800069841	constant_power_A	7030.23	2310.72	3515.115	1155.36
load	N_1800069841	constant_power_B	7030.23	2310.72	3515.115	1155.36
load	N_1800069841	constant_power_A_real	7030.23	0.0	3515.115	0.0
load	N_1800069841	constant_power_B_real	7030.23	0.0	3515.115	0.0
load	N_1800069841	constant_power_A_reac	2310.72	0.0	1155.36	0.0
load	N_1800069841	constant_power_B_reac	2310.72	0.0	1155.36	0.0
load	N_1800031051	constant_power_A	6915.77	2273.1	3457.885	1136.55
load	N_1800031051	constant_power_B	6915.77	2273.1	3457.885	1136.55
load	N_1800031051	constant_power_A_real	6915.77	0.0	3457.885	0.0
load	N_1800031051	constant_power_B_real	6915.77	0.0	3457.885	0.0
load	N_1800031051	constant_power_A_reac	2273.1	0.0	1136.55	0.0
load	N_1800031051	constant_power_B_reac	2273.1	0.0	1136.55	0.0
load	N_1800071331	constant_power_A	102.717	63.6581	51.3585	31.82905
load	N_1800071331	constant_power_B	102.717	63.6581	51.3585	31.82905
load	N_1800071331	constant_power_C	102.717	63.6581	51.3585	31.82905
load	N_1800071331	constant_power_A_real	102.717	0.0	51.3585	0.0
load	N_1800071331	constant_power_B_real	102.717	0.0	51.3585	0.0
load	N_1800071331	constant_power_C_real	102.717	0.0	51.3585	0.0
load	N_1800071331	constant_power_A_reac	63.6581	0.0	31.82905	0.0
load	N_1800071331	constant_power_B_reac	63.6581	0.0	31.82905	0.0
load	N_1800071331	constant_power_C_reac	63.6581	0.0	31.82905	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800028081	constant_power_A	1479.12	916.677	739.56	458.3385
load	N_1800028081	constant_power_B	1479.12	916.677	739.56	458.3385
load	N_1800028081	constant_power_A_real	1479.12	0.0	739.56	0.0
load	N_1800028081	constant_power_B_real	1479.12	0.0	739.56	0.0
load	N_1800028081	constant_power_A_reac	916.677	0.0	458.3385	0.0
load	N_1800028081	constant_power_B_reac	916.677	0.0	458.3385	0.0
load	N_1800014092	constant_power_A	1307.44	529.674	653.72	264.837
load	N_1800014092	constant_power_B	1307.44	529.674	653.72	264.837
load	N_1800014092	constant_power_A_real	1307.44	0.0	653.72	0.0
load	N_1800014092	constant_power_B_real	1307.44	0.0	653.72	0.0
load	N_1800014092	constant_power_A_reac	529.674	0.0	264.837	0.0
load	N_1800014092	constant_power_B_reac	529.674	0.0	264.837	0.0
load	N_1800068466	constant_power_A	4695.62	2755.48	2347.81	1377.74
load	N_1800068466	constant_power_B	4695.62	2755.48	2347.81	1377.74
load	N_1800068466	constant_power_C	4695.62	2755.48	2347.81	1377.74
load	N_1800068466	constant_power_A_real	4695.62	0.0	2347.81	0.0
load	N_1800068466	constant_power_B_real	4695.62	0.0	2347.81	0.0
load	N_1800068466	constant_power_C_real	4695.62	0.0	2347.81	0.0
load	N_1800068466	constant_power_A_reac	2755.48	0.0	1377.74	0.0
load	N_1800068466	constant_power_B_reac	2755.48	0.0	1377.74	0.0
load	N_1800068466	constant_power_C_reac	2755.48	0.0	1377.74	0.0
load	N_1800067611	constant_power_A	1452.71	477.482	726.355	238.741
load	N_1800067611	constant_power_B	1452.71	477.482	726.355	238.741
load	N_1800067611	constant_power_A_real	1452.71	0.0	726.355	0.0
load	N_1800067611	constant_power_B_real	1452.71	0.0	726.355	0.0
load	N_1800067611	constant_power_A_reac	477.482	0.0	238.741	0.0
load	N_1800067611	constant_power_B_reac	477.482	0.0	238.741	0.0
load	N_1800068464	constant_power_A	525.323	172.665	262.6615	86.3325
load	N_1800068464	constant_power_B	525.323	172.665	262.6615	86.3325
load	N_1800068464	constant_power_C	525.323	172.665	262.6615	86.3325
load	N_1800068464	constant_power_A_real	525.323	0.0	262.6615	0.0
load	N_1800068464	constant_power_B_real	525.323	0.0	262.6615	0.0
load	N_1800068464	constant_power_C_real	525.323	0.0	262.6615	0.0
load	N_1800068464	constant_power_A_reac	172.665	0.0	86.3325	0.0
load	N_1800068464	constant_power_B_reac	172.665	0.0	86.3325	0.0
load	N_1800068464	constant_power_C_reac	172.665	0.0	86.3325	0.0
load	N_1800067613	constant_power_A	48.424	15.9162	24.212	7.9581
load	N_1800067613	constant_power_B	48.424	15.9162	24.212	7.9581
load	N_1800067613	constant_power_A_real	48.424	0.0	24.212	0.0
load	N_1800067613	constant_power_B_real	48.424	0.0	24.212	0.0
load	N_1800067613	constant_power_A_reac	15.9162	0.0	7.9581	0.0
load	N_1800067613	constant_power_B_reac	15.9162	0.0	7.9581	0.0
load	N_1800068462	constant_power_A	366.846	120.576	183.423	60.288
load	N_1800068462	constant_power_B	366.846	120.576	183.423	60.288
load	N_1800068462	constant_power_C	366.846	120.576	183.423	60.288
load	N_1800068462	constant_power_A_real	366.846	0.0	183.423	0.0
load	N_1800068462	constant_power_B_real	366.846	0.0	183.423	0.0
load	N_1800068462	constant_power_C_real	366.846	0.0	183.423	0.0
load	N_1800068462	constant_power_A_reac	120.576	0.0	60.288	0.0
load	N_1800068462	constant_power_B_reac	120.576	0.0	60.288	0.0
load	N_1800068462	constant_power_C_reac	120.576	0.0	60.288	0.0
load	N_1800068463	constant_power_A	611.898	201.121	305.949	100.5605
load	N_1800068463	constant_power_B	611.898	201.121	305.949	100.5605
load	N_1800068463	constant_power_A_real	611.898	0.0	305.949	0.0
load	N_1800068463	constant_power_B_real	611.898	0.0	305.949	0.0
load	N_1800068463	constant_power_A_reac	201.121	0.0	100.5605	0.0
load	N_1800068463	constant_power_B_reac	201.121	0.0	100.5605	0.0
load	N_1800067616	constant_power_A	39.619	13.0221	19.8095	6.51105
load	N_1800067616	constant_power_B	39.619	13.0221	19.8095	6.51105
load	N_1800067616	constant_power_A_real	39.619	0.0	19.8095	0.0
load	N_1800067616	constant_power_B_real	39.619	0.0	19.8095	0.0
load	N_1800067616	constant_power_A_reac	13.0221	0.0	6.51105	0.0
load	N_1800067616	constant_power_B_reac	13.0221	0.0	6.51105	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068461	constant_power_A	1570.1	516.066	785.05	258.033
load	N_1800068461	constant_power_B	1570.1	516.066	785.05	258.033
load	N_1800068461	constant_power_C	1570.1	516.066	785.05	258.033
load	N_1800068461	constant_power_A_real	1570.1	0.0	785.05	0.0
load	N_1800068461	constant_power_B_real	1570.1	0.0	785.05	0.0
load	N_1800068461	constant_power_C_real	1570.1	0.0	785.05	0.0
load	N_1800068461	constant_power_A_reac	516.066	0.0	258.033	0.0
load	N_1800068461	constant_power_B_reac	516.066	0.0	258.033	0.0
load	N_1800068461	constant_power_C_reac	516.066	0.0	258.033	0.0
load	N_1800067618	constant_power_A	858.418	282.148	429.209	141.074
load	N_1800067618	constant_power_B	858.418	282.148	429.209	141.074
load	N_1800067618	constant_power_A_real	858.418	0.0	429.209	0.0
load	N_1800067618	constant_power_B_real	858.418	0.0	429.209	0.0
load	N_1800067618	constant_power_A_reac	282.148	0.0	141.074	0.0
load	N_1800067618	constant_power_B_reac	282.148	0.0	141.074	0.0
load	N_1800069997	constant_power_A	101.249	33.2789	50.6245	16.63945
load	N_1800069997	constant_power_B	101.249	33.2789	50.6245	16.63945
load	N_1800069997	constant_power_A_real	101.249	0.0	50.6245	0.0
load	N_1800069997	constant_power_B_real	101.249	0.0	50.6245	0.0
load	N_1800069997	constant_power_A_reac	33.2789	0.0	16.63945	0.0
load	N_1800069997	constant_power_B_reac	33.2789	0.0	16.63945	0.0
load	N_1800069996	constant_power_A	1892.92	622.174	946.46	311.087
load	N_1800069996	constant_power_B	1892.92	622.174	946.46	311.087
load	N_1800069996	constant_power_A_real	1892.92	0.0	946.46	0.0
load	N_1800069996	constant_power_B_real	1892.92	0.0	946.46	0.0
load	N_1800069996	constant_power_A_reac	622.174	0.0	311.087	0.0
load	N_1800069996	constant_power_B_reac	622.174	0.0	311.087	0.0
load	N_1800069991	constant_power_A	4.402	2.72811	2.201	1.364055
load	N_1800069991	constant_power_B	4.402	2.72811	2.201	1.364055
load	N_1800069991	constant_power_A_real	4.402	0.0	2.201	0.0
load	N_1800069991	constant_power_B_real	4.402	0.0	2.201	0.0
load	N_1800069991	constant_power_A_reac	2.72811	0.0	1.364055	0.0
load	N_1800069991	constant_power_B_reac	2.72811	0.0	1.364055	0.0
load	N_1800069990	constant_power_A	22.011	13.6412	11.0055	6.8206
load	N_1800069990	constant_power_B	22.011	13.6412	11.0055	6.8206
load	N_1800069990	constant_power_A_real	22.011	0.0	11.0055	0.0
load	N_1800069990	constant_power_B_real	22.011	0.0	11.0055	0.0
load	N_1800069990	constant_power_A_reac	13.6412	0.0	6.8206	0.0
load	N_1800069990	constant_power_B_reac	13.6412	0.0	6.8206	0.0
load	N_1800068468	constant_power_A	3289.87	1081.33	1644.935	540.665
load	N_1800068468	constant_power_B	3289.87	1081.33	1644.935	540.665
load	N_1800068468	constant_power_C	3289.87	1081.33	1644.935	540.665
load	N_1800068468	constant_power_A_real	3289.87	0.0	1644.935	0.0
load	N_1800068468	constant_power_B_real	3289.87	0.0	1644.935	0.0
load	N_1800068468	constant_power_C_real	3289.87	0.0	1644.935	0.0
load	N_1800068468	constant_power_A_reac	1081.33	0.0	540.665	0.0
load	N_1800068468	constant_power_B_reac	1081.33	0.0	540.665	0.0
load	N_1800068468	constant_power_C_reac	1081.33	0.0	540.665	0.0
load	N_1800069992	constant_power_A	3706.61	1218.3	1853.305	609.15
load	N_1800069992	constant_power_B	3706.61	1218.3	1853.305	609.15
load	N_1800069992	constant_power_A_real	3706.61	0.0	1853.305	0.0
load	N_1800069992	constant_power_B_real	3706.61	0.0	1853.305	0.0
load	N_1800069992	constant_power_A_reac	1218.3	0.0	609.15	0.0
load	N_1800069992	constant_power_B_reac	1218.3	0.0	609.15	0.0
load	N_1800069443	constant_power_A	1038.91	341.472	519.455	170.736
load	N_1800069443	constant_power_C	1038.91	341.472	519.455	170.736
load	N_1800069443	constant_power_A_real	1038.91	0.0	519.455	0.0
load	N_1800069443	constant_power_C_real	1038.91	0.0	519.455	0.0
load	N_1800069443	constant_power_A_reac	341.472	0.0	170.736	0.0
load	N_1800069443	constant_power_C_reac	341.472	0.0	170.736	0.0
load	N_1800068917	constant_power_A	1056.52	347.26	528.26	173.63
load	N_1800068917	constant_power_B	1056.52	347.26	528.26	173.63
load	N_1800068917	constant_power_A_real	1056.52	0.0	528.26	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068917	constant_power_B_real	1056.52	0.0	528.26	0.0
load	N_1800068917	constant_power_A_reac	347.26	0.0	173.63	0.0
load	N_1800068917	constant_power_B_reac	347.26	0.0	173.63	0.0
load	N_1800009234	constant_power_A	1863.58	612.527	931.79	306.2635
load	N_1800009234	constant_power_B	1863.58	612.527	931.79	306.2635
load	N_1800009234	constant_power_C	1863.58	612.527	931.79	306.2635
load	N_1800009234	constant_power_A_real	1863.58	0.0	931.79	0.0
load	N_1800009234	constant_power_B_real	1863.58	0.0	931.79	0.0
load	N_1800009234	constant_power_C_real	1863.58	0.0	931.79	0.0
load	N_1800009234	constant_power_A_reac	612.527	0.0	306.2635	0.0
load	N_1800009234	constant_power_B_reac	612.527	0.0	306.2635	0.0
load	N_1800009234	constant_power_C_reac	612.527	0.0	306.2635	0.0
load	N_1800068915	constant_power_A	259.727	85.3681	129.8635	42.68405
load	N_1800068915	constant_power_C	259.727	85.3681	129.8635	42.68405
load	N_1800068915	constant_power_A_real	259.727	0.0	129.8635	0.0
load	N_1800068915	constant_power_C_real	259.727	0.0	129.8635	0.0
load	N_1800068915	constant_power_A_reac	85.3681	0.0	42.68405	0.0
load	N_1800068915	constant_power_C_reac	85.3681	0.0	42.68405	0.0
load	N_1800069447	constant_power_A	840.81	295.58	420.405	147.79
load	N_1800069447	constant_power_C	840.81	295.58	420.405	147.79
load	N_1800069447	constant_power_A_real	840.81	0.0	420.405	0.0
load	N_1800069447	constant_power_C_real	840.81	0.0	420.405	0.0
load	N_1800069447	constant_power_A_reac	295.58	0.0	147.79	0.0
load	N_1800069447	constant_power_C_reac	295.58	0.0	147.79	0.0
load	N_1800068913	constant_power_A	1496.73	491.951	748.365	245.9755
load	N_1800068913	constant_power_C	1496.73	491.951	748.365	245.9755
load	N_1800068913	constant_power_A_real	1496.73	0.0	748.365	0.0
load	N_1800068913	constant_power_C_real	1496.73	0.0	748.365	0.0
load	N_1800068913	constant_power_A_reac	491.951	0.0	245.9755	0.0
load	N_1800068913	constant_power_C_reac	491.951	0.0	245.9755	0.0
load	N_1800069449	constant_power_A	686.735	225.719	343.3675	112.8595
load	N_1800069449	constant_power_C	686.735	225.719	343.3675	112.8595
load	N_1800069449	constant_power_A_real	686.735	0.0	343.3675	0.0
load	N_1800069449	constant_power_C_real	686.735	0.0	343.3675	0.0
load	N_1800069449	constant_power_A_reac	225.719	0.0	112.8595	0.0
load	N_1800069449	constant_power_C_reac	225.719	0.0	112.8595	0.0
load	N_1800023229	constant_power_A	1349.99	610.288	674.995	305.144
load	N_1800023229	constant_power_B	1349.99	610.288	674.995	305.144
load	N_1800023229	constant_power_C	1349.99	610.288	674.995	305.144
load	N_1800023229	constant_power_A_real	1349.99	0.0	674.995	0.0
load	N_1800023229	constant_power_B_real	1349.99	0.0	674.995	0.0
load	N_1800023229	constant_power_C_real	1349.99	0.0	674.995	0.0
load	N_1800023229	constant_power_A_reac	610.288	0.0	305.144	0.0
load	N_1800023229	constant_power_B_reac	610.288	0.0	305.144	0.0
load	N_1800023229	constant_power_C_reac	610.288	0.0	305.144	0.0
load	N_1800028899	constant_power_A	2293.52	962.693	1146.76	481.3465
load	N_1800028899	constant_power_B	2293.52	962.693	1146.76	481.3465
load	N_1800028899	constant_power_A_real	2293.52	0.0	1146.76	0.0
load	N_1800028899	constant_power_B_real	2293.52	0.0	1146.76	0.0
load	N_1800028899	constant_power_A_reac	962.693	0.0	481.3465	0.0
load	N_1800028899	constant_power_B_reac	962.693	0.0	481.3465	0.0
load	N_1800071939	constant_power_A	2145.31	983.597	1072.655	491.7985
load	N_1800071939	constant_power_B	2145.31	983.597	1072.655	491.7985
load	N_1800071939	constant_power_C	2145.31	983.597	1072.655	491.7985
load	N_1800071939	constant_power_A_real	2145.31	0.0	1072.655	0.0
load	N_1800071939	constant_power_B_real	2145.31	0.0	1072.655	0.0
load	N_1800071939	constant_power_C_real	2145.31	0.0	1072.655	0.0
load	N_1800071939	constant_power_A_reac	983.597	0.0	491.7985	0.0
load	N_1800071939	constant_power_B_reac	983.597	0.0	491.7985	0.0
load	N_1800071939	constant_power_C_reac	983.597	0.0	491.7985	0.0
load	N_1800068489	constant_power_A	1655.21	544.04	827.605	272.02
load	N_1800068489	constant_power_B	1655.21	544.04	827.605	272.02
load	N_1800068489	constant_power_A_real	1655.21	0.0	827.605	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068489	constant_power_B_real	1655.21	0.0	827.605	0.0
load	N_1800068489	constant_power_A_reac	544.04	0.0	272.02	0.0
load	N_1800068489	constant_power_B_reac	544.04	0.0	272.02	0.0
load	N_1800019678	constant_power_A	2548.84	1448.94	1274.42	724.47
load	N_1800019678	constant_power_B	2548.84	1448.94	1274.42	724.47
load	N_1800019678	constant_power_A_real	2548.84	0.0	1274.42	0.0
load	N_1800019678	constant_power_B_real	2548.84	0.0	1274.42	0.0
load	N_1800019678	constant_power_A_reac	1448.94	0.0	724.47	0.0
load	N_1800019678	constant_power_B_reac	1448.94	0.0	724.47	0.0
load	N_1800079309	constant_power_A	3068.3	1008.5	1534.15	504.25
load	N_1800079309	constant_power_B	3068.3	1008.5	1534.15	504.25
load	N_1800079309	constant_power_A_real	3068.3	0.0	1534.15	0.0
load	N_1800079309	constant_power_B_real	3068.3	0.0	1534.15	0.0
load	N_1800079309	constant_power_A_reac	1008.5	0.0	504.25	0.0
load	N_1800079309	constant_power_B_reac	1008.5	0.0	504.25	0.0
load	N_1800029455	constant_power_A	1505.53	494.845	752.765	247.4225
load	N_1800029455	constant_power_B	1505.53	494.845	752.765	247.4225
load	N_1800029455	constant_power_A_real	1505.53	0.0	752.765	0.0
load	N_1800029455	constant_power_B_real	1505.53	0.0	752.765	0.0
load	N_1800029455	constant_power_A_reac	494.845	0.0	247.4225	0.0
load	N_1800029455	constant_power_B_reac	494.845	0.0	247.4225	0.0
load	N_1800029456	constant_power_A	1166.57	383.433	583.285	191.7165
load	N_1800029456	constant_power_B	1166.57	383.433	583.285	191.7165
load	N_1800029456	constant_power_A_real	1166.57	0.0	583.285	0.0
load	N_1800029456	constant_power_B_real	1166.57	0.0	583.285	0.0
load	N_1800029456	constant_power_A_reac	383.433	0.0	191.7165	0.0
load	N_1800029456	constant_power_B_reac	383.433	0.0	191.7165	0.0
load	N_1800029457	constant_power_A	1241.4	408.03	620.7	204.015
load	N_1800029457	constant_power_B	1241.4	408.03	620.7	204.015
load	N_1800029457	constant_power_A_real	1241.4	0.0	620.7	0.0
load	N_1800029457	constant_power_B_real	1241.4	0.0	620.7	0.0
load	N_1800029457	constant_power_A_reac	408.03	0.0	204.015	0.0
load	N_1800029457	constant_power_B_reac	408.03	0.0	204.015	0.0
load	N_1800029450	constant_power_A	1157.76	380.539	578.88	190.2695
load	N_1800029450	constant_power_B	1157.76	380.539	578.88	190.2695
load	N_1800029450	constant_power_A_real	1157.76	0.0	578.88	0.0
load	N_1800029450	constant_power_B_real	1157.76	0.0	578.88	0.0
load	N_1800029450	constant_power_A_reac	380.539	0.0	190.2695	0.0
load	N_1800029450	constant_power_B_reac	380.539	0.0	190.2695	0.0
load	N_1800029453	constant_power_A	18324.7	11356.6	9162.35	5678.3
load	N_1800029453	constant_power_B	18324.7	11356.6	9162.35	5678.3
load	N_1800029453	constant_power_C	18324.7	11356.6	9162.35	5678.3
load	N_1800029453	constant_power_A_real	18324.7	0.0	9162.35	0.0
load	N_1800029453	constant_power_B_real	18324.7	0.0	9162.35	0.0
load	N_1800029453	constant_power_C_real	18324.7	0.0	9162.35	0.0
load	N_1800029453	constant_power_A_reac	11356.6	0.0	5678.3	0.0
load	N_1800029453	constant_power_B_reac	11356.6	0.0	5678.3	0.0
load	N_1800029453	constant_power_C_reac	11356.6	0.0	5678.3	0.0
load	N_1800029458	constant_power_A	1976.56	1224.96	988.28	612.48
load	N_1800029458	constant_power_B	1976.56	1224.96	988.28	612.48
load	N_1800029458	constant_power_A_real	1976.56	0.0	988.28	0.0
load	N_1800029458	constant_power_B_real	1976.56	0.0	988.28	0.0
load	N_1800029458	constant_power_A_reac	1224.96	0.0	612.48	0.0
load	N_1800029458	constant_power_B_reac	1224.96	0.0	612.48	0.0
load	N_1800029459	constant_power_A	378.585	124.435	189.2925	62.2175
load	N_1800029459	constant_power_B	378.585	124.435	189.2925	62.2175
load	N_1800029459	constant_power_A_real	378.585	0.0	189.2925	0.0
load	N_1800029459	constant_power_B_real	378.585	0.0	189.2925	0.0
load	N_1800029459	constant_power_A_reac	124.435	0.0	62.2175	0.0
load	N_1800029459	constant_power_B_reac	124.435	0.0	62.2175	0.0
load	N_1800044032	constant_power_A	1844.5	606.258	922.25	303.129
load	N_1800044032	constant_power_B	1844.5	606.258	922.25	303.129
load	N_1800044032	constant_power_A_real	1844.5	0.0	922.25	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800044032	constant_power_B_real	1844.5	0.0	922.25	0.0
load	N_1800044032	constant_power_A_reac	606.258	0.0	303.129	0.0
load	N_1800044032	constant_power_B_reac	606.258	0.0	303.129	0.0
load	N_1800193422	constant_power_A	8482.93	5257.25	4241.465	2628.625
load	N_1800193422	constant_power_B	8482.93	5257.25	4241.465	2628.625
load	N_1800193422	constant_power_A_real	8482.93	0.0	4241.465	0.0
load	N_1800193422	constant_power_B_real	8482.93	0.0	4241.465	0.0
load	N_1800193422	constant_power_A_reac	5257.25	0.0	2628.625	0.0
load	N_1800193422	constant_power_B_reac	5257.25	0.0	2628.625	0.0
load	N_1800068007	constant_power_A	2.93467	1.81874	1.467335	0.90937
load	N_1800068007	constant_power_B	2.93467	1.81874	1.467335	0.90937
load	N_1800068007	constant_power_C	2.93467	1.81874	1.467335	0.90937
load	N_1800068007	constant_power_A_real	2.93467	0.0	1.467335	0.0
load	N_1800068007	constant_power_B_real	2.93467	0.0	1.467335	0.0
load	N_1800068007	constant_power_C_real	2.93467	0.0	1.467335	0.0
load	N_1800068007	constant_power_A_reac	1.81874	0.0	0.90937	0.0
load	N_1800068007	constant_power_B_reac	1.81874	0.0	0.90937	0.0
load	N_1800068007	constant_power_C_reac	1.81874	0.0	0.90937	0.0
load	N_1800044036	constant_power_A	5207.74	1711.7	2603.87	855.85
load	N_1800044036	constant_power_B	5207.74	1711.7	2603.87	855.85
load	N_1800044036	constant_power_A_real	5207.74	0.0	2603.87	0.0
load	N_1800044036	constant_power_B_real	5207.74	0.0	2603.87	0.0
load	N_1800044036	constant_power_A_reac	1711.7	0.0	855.85	0.0
load	N_1800044036	constant_power_B_reac	1711.7	0.0	855.85	0.0
load	N_1800021465	constant_power_A	2817.37	926.026	1408.685	463.013
load	N_1800021465	constant_power_B	2817.37	926.026	1408.685	463.013
load	N_1800021465	constant_power_A_real	2817.37	0.0	1408.685	0.0
load	N_1800021465	constant_power_B_real	2817.37	0.0	1408.685	0.0
load	N_1800021465	constant_power_A_reac	926.026	0.0	463.013	0.0
load	N_1800021465	constant_power_B_reac	926.026	0.0	463.013	0.0
load	N_1800021461	constant_power_A	989.015	325.074	494.5075	162.537
load	N_1800021461	constant_power_B	989.015	325.074	494.5075	162.537
load	N_1800021461	constant_power_C	989.015	325.074	494.5075	162.537
load	N_1800021461	constant_power_A_real	989.015	0.0	494.5075	0.0
load	N_1800021461	constant_power_B_real	989.015	0.0	494.5075	0.0
load	N_1800021461	constant_power_C_real	989.015	0.0	494.5075	0.0
load	N_1800021461	constant_power_A_reac	325.074	0.0	162.537	0.0
load	N_1800021461	constant_power_B_reac	325.074	0.0	162.537	0.0
load	N_1800021461	constant_power_C_reac	325.074	0.0	162.537	0.0
load	N_1800021460	constant_power_A	3963.08	2456.09	1981.54	1228.045
load	N_1800021460	constant_power_B	3963.08	2456.09	1981.54	1228.045
load	N_1800021460	constant_power_C	3963.08	2456.09	1981.54	1228.045
load	N_1800021460	constant_power_A_real	3963.08	0.0	1981.54	0.0
load	N_1800021460	constant_power_B_real	3963.08	0.0	1981.54	0.0
load	N_1800021460	constant_power_C_real	3963.08	0.0	1981.54	0.0
load	N_1800021460	constant_power_A_reac	2456.09	0.0	1228.045	0.0
load	N_1800021460	constant_power_B_reac	2456.09	0.0	1228.045	0.0
load	N_1800021460	constant_power_C_reac	2456.09	0.0	1228.045	0.0
load	N_1800021463	constant_power_A	977.276	321.215	488.638	160.6075
load	N_1800021463	constant_power_B	977.276	321.215	488.638	160.6075
load	N_1800021463	constant_power_A_real	977.276	0.0	488.638	0.0
load	N_1800021463	constant_power_B_real	977.276	0.0	488.638	0.0
load	N_1800021463	constant_power_A_reac	321.215	0.0	160.6075	0.0
load	N_1800021463	constant_power_B_reac	321.215	0.0	160.6075	0.0
load	N_1800044034	constant_power_A	1219.39	400.795	609.695	200.3975
load	N_1800044034	constant_power_B	1219.39	400.795	609.695	200.3975
load	N_1800044034	constant_power_A_real	1219.39	0.0	609.695	0.0
load	N_1800044034	constant_power_B_real	1219.39	0.0	609.695	0.0
load	N_1800044034	constant_power_A_reac	400.795	0.0	200.3975	0.0
load	N_1800044034	constant_power_B_reac	400.795	0.0	200.3975	0.0
load	N_1800044039	constant_power_A	2042.6	671.369	1021.3	335.6845
load	N_1800044039	constant_power_B	2042.6	671.369	1021.3	335.6845
load	N_1800044039	constant_power_A_real	2042.6	0.0	1021.3	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800044039	constant_power_B_real	2042.6	0.0	1021.3	0.0
load	N_1800044039	constant_power_A_reac	671.369	0.0	335.6845	0.0
load	N_1800044039	constant_power_B_reac	671.369	0.0	335.6845	0.0
load	N_1800026811	constant_power_A	2786.56	1616.76	1393.28	808.38
load	N_1800026811	constant_power_B	2786.56	1616.76	1393.28	808.38
load	N_1800026811	constant_power_A_real	2786.56	0.0	1393.28	0.0
load	N_1800026811	constant_power_B_real	2786.56	0.0	1393.28	0.0
load	N_1800026811	constant_power_A_reac	1616.76	0.0	808.38	0.0
load	N_1800026811	constant_power_B_reac	1616.76	0.0	808.38	0.0
load	N_1800045619	constant_power_A	1963.36	679.492	981.68	339.746
load	N_1800045619	constant_power_B	1963.36	679.492	981.68	339.746
load	N_1800045619	constant_power_C	1963.36	679.492	981.68	339.746
load	N_1800045619	constant_power_A_real	1963.36	0.0	981.68	0.0
load	N_1800045619	constant_power_B_real	1963.36	0.0	981.68	0.0
load	N_1800045619	constant_power_C_real	1963.36	0.0	981.68	0.0
load	N_1800045619	constant_power_A_reac	679.492	0.0	339.746	0.0
load	N_1800045619	constant_power_B_reac	679.492	0.0	339.746	0.0
load	N_1800045619	constant_power_C_reac	679.492	0.0	339.746	0.0
load	N_1800068956	constant_power_A	708.746	232.954	354.373	116.477
load	N_1800068956	constant_power_B	708.746	232.954	354.373	116.477
load	N_1800068956	constant_power_A_real	708.746	0.0	354.373	0.0
load	N_1800068956	constant_power_B_real	708.746	0.0	354.373	0.0
load	N_1800068956	constant_power_A_reac	232.954	0.0	116.477	0.0
load	N_1800068956	constant_power_B_reac	232.954	0.0	116.477	0.0
load	N_1800037387	constant_power_A	2469.6	811.72	1234.8	405.86
load	N_1800037387	constant_power_B	2469.6	811.72	1234.8	405.86
load	N_1800037387	constant_power_A_real	2469.6	0.0	1234.8	0.0
load	N_1800037387	constant_power_B_real	2469.6	0.0	1234.8	0.0
load	N_1800037387	constant_power_A_reac	811.72	0.0	405.86	0.0
load	N_1800037387	constant_power_B_reac	811.72	0.0	405.86	0.0
load	N_1800037386	constant_power_A	1122.55	368.963	561.275	184.4815
load	N_1800037386	constant_power_B	1122.55	368.963	561.275	184.4815
load	N_1800037386	constant_power_A_real	1122.55	0.0	561.275	0.0
load	N_1800037386	constant_power_B_real	1122.55	0.0	561.275	0.0
load	N_1800037386	constant_power_A_reac	368.963	0.0	184.4815	0.0
load	N_1800037386	constant_power_B_reac	368.963	0.0	184.4815	0.0
load	N_1800037385	constant_power_A	2048.47	673.298	1024.235	336.649
load	N_1800037385	constant_power_B	2048.47	673.298	1024.235	336.649
load	N_1800037385	constant_power_C	2048.47	673.298	1024.235	336.649
load	N_1800037385	constant_power_A_real	2048.47	0.0	1024.235	0.0
load	N_1800037385	constant_power_B_real	2048.47	0.0	1024.235	0.0
load	N_1800037385	constant_power_C_real	2048.47	0.0	1024.235	0.0
load	N_1800037385	constant_power_A_reac	673.298	0.0	336.649	0.0
load	N_1800037385	constant_power_B_reac	673.298	0.0	336.649	0.0
load	N_1800037385	constant_power_C_reac	673.298	0.0	336.649	0.0
load	N_1800068242	constant_power_A	5269.37	1731.96	2634.685	865.98
load	N_1800068242	constant_power_B	5269.37	1731.96	2634.685	865.98
load	N_1800068242	constant_power_A_real	5269.37	0.0	2634.685	0.0
load	N_1800068242	constant_power_B_real	5269.37	0.0	2634.685	0.0
load	N_1800068242	constant_power_A_reac	1731.96	0.0	865.98	0.0
load	N_1800068242	constant_power_B_reac	1731.96	0.0	865.98	0.0
load	N_1800037389	constant_power_A	862.821	283.596	431.4105	141.798
load	N_1800037389	constant_power_B	862.821	283.596	431.4105	141.798
load	N_1800037389	constant_power_A_real	862.821	0.0	431.4105	0.0
load	N_1800037389	constant_power_B_real	862.821	0.0	431.4105	0.0
load	N_1800037389	constant_power_A_reac	283.596	0.0	141.798	0.0
load	N_1800037389	constant_power_B_reac	283.596	0.0	141.798	0.0
load	N_1800021040	constant_power_A	1179.78	387.773	589.89	193.8865
load	N_1800021040	constant_power_B	1179.78	387.773	589.89	193.8865
load	N_1800021040	constant_power_A_real	1179.78	0.0	589.89	0.0
load	N_1800021040	constant_power_B_real	1179.78	0.0	589.89	0.0
load	N_1800021040	constant_power_A_reac	387.773	0.0	193.8865	0.0
load	N_1800021040	constant_power_B_reac	387.773	0.0	193.8865	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800036255	constant_power_A	365.378	120.094	182.689	60.047
load	N_1800036255	constant_power_B	365.378	120.094	182.689	60.047
load	N_1800036255	constant_power_A_real	365.378	0.0	182.689	0.0
load	N_1800036255	constant_power_B_real	365.378	0.0	182.689	0.0
load	N_1800036255	constant_power_A_reac	120.094	0.0	60.047	0.0
load	N_1800036255	constant_power_B_reac	120.094	0.0	60.047	0.0
load	N_1800068367	constant_power_A	2159.99	709.953	1079.995	354.9765
load	N_1800068367	constant_power_B	2159.99	709.953	1079.995	354.9765
load	N_1800068367	constant_power_C	2159.99	709.953	1079.995	354.9765
load	N_1800068367	constant_power_A_real	2159.99	0.0	1079.995	0.0
load	N_1800068367	constant_power_B_real	2159.99	0.0	1079.995	0.0
load	N_1800068367	constant_power_C_real	2159.99	0.0	1079.995	0.0
load	N_1800068367	constant_power_A_reac	709.953	0.0	354.9765	0.0
load	N_1800068367	constant_power_B_reac	709.953	0.0	354.9765	0.0
load	N_1800068367	constant_power_C_reac	709.953	0.0	354.9765	0.0
load	N_1800070381	constant_power_A	4767.52	2506.19	2383.76	1253.095
load	N_1800070381	constant_power_B	4767.52	2506.19	2383.76	1253.095
load	N_1800070381	constant_power_A_real	4767.52	0.0	2383.76	0.0
load	N_1800070381	constant_power_B_real	4767.52	0.0	2383.76	0.0
load	N_1800070381	constant_power_A_reac	2506.19	0.0	1253.095	0.0
load	N_1800070381	constant_power_B_reac	2506.19	0.0	1253.095	0.0
load	N_1800017910	constant_power_A	9072.82	2982.09	4536.41	1491.045
load	N_1800017910	constant_power_B	9072.82	2982.09	4536.41	1491.045
load	N_1800017910	constant_power_A_real	9072.82	0.0	4536.41	0.0
load	N_1800017910	constant_power_B_real	9072.82	0.0	4536.41	0.0
load	N_1800017910	constant_power_A_reac	2982.09	0.0	1491.045	0.0
load	N_1800017910	constant_power_B_reac	2982.09	0.0	1491.045	0.0
load	N_1800067591	constant_power_A	2755.74	905.769	1377.87	452.8845
load	N_1800067591	constant_power_B	2755.74	905.769	1377.87	452.8845
load	N_1800067591	constant_power_A_real	2755.74	0.0	1377.87	0.0
load	N_1800067591	constant_power_B_real	2755.74	0.0	1377.87	0.0
load	N_1800067591	constant_power_A_reac	905.769	0.0	452.8845	0.0
load	N_1800067591	constant_power_B_reac	905.769	0.0	452.8845	0.0
load	N_1800067590	constant_power_A	1421.89	467.354	710.945	233.677
load	N_1800067590	constant_power_B	1421.89	467.354	710.945	233.677
load	N_1800067590	constant_power_A_real	1421.89	0.0	710.945	0.0
load	N_1800067590	constant_power_B_real	1421.89	0.0	710.945	0.0
load	N_1800067590	constant_power_A_reac	467.354	0.0	233.677	0.0
load	N_1800067590	constant_power_B_reac	467.354	0.0	233.677	0.0
load	N_1800067597	constant_power_A	1237.0	406.583	618.5	203.2915
load	N_1800067597	constant_power_B	1237.0	406.583	618.5	203.2915
load	N_1800067597	constant_power_A_real	1237.0	0.0	618.5	0.0
load	N_1800067597	constant_power_B_real	1237.0	0.0	618.5	0.0
load	N_1800067597	constant_power_A_reac	406.583	0.0	203.2915	0.0
load	N_1800067597	constant_power_B_reac	406.583	0.0	203.2915	0.0
load	N_1800068363	constant_power_A	4252.47	1397.72	2126.235	698.86
load	N_1800068363	constant_power_B	4252.47	1397.72	2126.235	698.86
load	N_1800068363	constant_power_A_real	4252.47	0.0	2126.235	0.0
load	N_1800068363	constant_power_B_real	4252.47	0.0	2126.235	0.0
load	N_1800068363	constant_power_A_reac	1397.72	0.0	698.86	0.0
load	N_1800068363	constant_power_B_reac	1397.72	0.0	698.86	0.0
load	N_1800067594	constant_power_A	814.397	267.679	407.1985	133.8395
load	N_1800067594	constant_power_B	814.397	267.679	407.1985	133.8395
load	N_1800067594	constant_power_A_real	814.397	0.0	407.1985	0.0
load	N_1800067594	constant_power_B_real	814.397	0.0	407.1985	0.0
load	N_1800067594	constant_power_A_reac	267.679	0.0	133.8395	0.0
load	N_1800067594	constant_power_B_reac	267.679	0.0	133.8395	0.0
load	N_1800067599	constant_power_A	550.268	180.864	275.134	90.432
load	N_1800067599	constant_power_B	550.268	180.864	275.134	90.432
load	N_1800067599	constant_power_A_real	550.268	0.0	275.134	0.0
load	N_1800067599	constant_power_B_real	550.268	0.0	275.134	0.0
load	N_1800067599	constant_power_A_reac	180.864	0.0	90.432	0.0
load	N_1800067599	constant_power_B_reac	180.864	0.0	90.432	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800007507	constant_power_A	915.646	300.958	457.823	150.479
load	N_1800007507	constant_power_B	915.646	300.958	457.823	150.479
load	N_1800007507	constant_power_A_real	915.646	0.0	457.823	0.0
load	N_1800007507	constant_power_B_real	915.646	0.0	457.823	0.0
load	N_1800007507	constant_power_A_reac	300.958	0.0	150.479	0.0
load	N_1800007507	constant_power_B_reac	300.958	0.0	150.479	0.0
load	N_1800071929	constant_power_A	393.258	129.258	196.629	64.629
load	N_1800071929	constant_power_B	393.258	129.258	196.629	64.629
load	N_1800071929	constant_power_C	393.258	129.258	196.629	64.629
load	N_1800071929	constant_power_A_real	393.258	0.0	196.629	0.0
load	N_1800071929	constant_power_B_real	393.258	0.0	196.629	0.0
load	N_1800071929	constant_power_C_real	393.258	0.0	196.629	0.0
load	N_1800071929	constant_power_A_reac	129.258	0.0	64.629	0.0
load	N_1800071929	constant_power_B_reac	129.258	0.0	64.629	0.0
load	N_1800071929	constant_power_C_reac	129.258	0.0	64.629	0.0
load	N_1800012746	constant_power_A	2782.16	914.45	1391.08	457.225
load	N_1800012746	constant_power_B	2782.16	914.45	1391.08	457.225
load	N_1800012746	constant_power_A_real	2782.16	0.0	1391.08	0.0
load	N_1800012746	constant_power_B_real	2782.16	0.0	1391.08	0.0
load	N_1800012746	constant_power_A_reac	914.45	0.0	457.225	0.0
load	N_1800012746	constant_power_B_reac	914.45	0.0	457.225	0.0
load	N_1800071924	constant_power_A	2391.83	1482.32	1195.915	741.16
load	N_1800071924	constant_power_B	2391.83	1482.32	1195.915	741.16
load	N_1800071924	constant_power_C	2391.83	1482.32	1195.915	741.16
load	N_1800071924	constant_power_A_real	2391.83	0.0	1195.915	0.0
load	N_1800071924	constant_power_B_real	2391.83	0.0	1195.915	0.0
load	N_1800071924	constant_power_C_real	2391.83	0.0	1195.915	0.0
load	N_1800071924	constant_power_A_reac	1482.32	0.0	741.16	0.0
load	N_1800071924	constant_power_B_reac	1482.32	0.0	741.16	0.0
load	N_1800071924	constant_power_C_reac	1482.32	0.0	741.16	0.0
load	N_1800071920	constant_power_A	193.694	63.6642	96.847	31.8321
load	N_1800071920	constant_power_B	193.694	63.6642	96.847	31.8321
load	N_1800071920	constant_power_C	193.694	63.6642	96.847	31.8321
load	N_1800071920	constant_power_A_real	193.694	0.0	96.847	0.0
load	N_1800071920	constant_power_B_real	193.694	0.0	96.847	0.0
load	N_1800071920	constant_power_C_real	193.694	0.0	96.847	0.0
load	N_1800071920	constant_power_A_reac	63.6642	0.0	31.8321	0.0
load	N_1800071920	constant_power_B_reac	63.6642	0.0	31.8321	0.0
load	N_1800071920	constant_power_C_reac	63.6642	0.0	31.8321	0.0
load	N_1800071923	constant_power_A	578.149	190.028	289.0745	95.014
load	N_1800071923	constant_power_B	578.149	190.028	289.0745	95.014
load	N_1800071923	constant_power_C	578.149	190.028	289.0745	95.014
load	N_1800071923	constant_power_A_real	578.149	0.0	289.0745	0.0
load	N_1800071923	constant_power_B_real	578.149	0.0	289.0745	0.0
load	N_1800071923	constant_power_C_real	578.149	0.0	289.0745	0.0
load	N_1800071923	constant_power_A_reac	190.028	0.0	95.014	0.0
load	N_1800071923	constant_power_B_reac	190.028	0.0	95.014	0.0
load	N_1800071923	constant_power_C_reac	190.028	0.0	95.014	0.0
load	N_1800039002	constant_power_A	849.614	279.255	424.807	139.6275
load	N_1800039002	constant_power_B	849.614	279.255	424.807	139.6275
load	N_1800039002	constant_power_A_real	849.614	0.0	424.807	0.0
load	N_1800039002	constant_power_B_real	849.614	0.0	424.807	0.0
load	N_1800039002	constant_power_A_reac	279.255	0.0	139.6275	0.0
load	N_1800039002	constant_power_B_reac	279.255	0.0	139.6275	0.0
load	N_1800034137	constant_power_A	3116.72	1024.42	1558.36	512.21
load	N_1800034137	constant_power_B	3116.72	1024.42	1558.36	512.21
load	N_1800034137	constant_power_A_real	3116.72	0.0	1558.36	0.0
load	N_1800034137	constant_power_B_real	3116.72	0.0	1558.36	0.0
load	N_1800034137	constant_power_A_reac	1024.42	0.0	512.21	0.0
load	N_1800034137	constant_power_B_reac	1024.42	0.0	512.21	0.0
load	N_1800073318	constant_power_A	1276.62	791.179	638.31	395.5895
load	N_1800073318	constant_power_B	1276.62	791.179	638.31	395.5895
load	N_1800073318	constant_power_C	1276.62	791.179	638.31	395.5895

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073318	constant_power_A_real	1276.62	0.0	638.31	0.0
load	N_1800073318	constant_power_B_real	1276.62	0.0	638.31	0.0
load	N_1800073318	constant_power_C_real	1276.62	0.0	638.31	0.0
load	N_1800073318	constant_power_A_reac	791.179	0.0	395.5895	0.0
load	N_1800073318	constant_power_B_reac	791.179	0.0	395.5895	0.0
load	N_1800073318	constant_power_C_reac	791.179	0.0	395.5895	0.0
load	N_1800077304	constant_power_A	5806.43	1908.48	2903.215	954.24
load	N_1800077304	constant_power_B	5806.43	1908.48	2903.215	954.24
load	N_1800077304	constant_power_A_real	5806.43	0.0	2903.215	0.0
load	N_1800077304	constant_power_B_real	5806.43	0.0	2903.215	0.0
load	N_1800077304	constant_power_A_reac	1908.48	0.0	954.24	0.0
load	N_1800077304	constant_power_B_reac	1908.48	0.0	954.24	0.0
load	N_1800077303	constant_power_A	1738.85	571.532	869.425	285.766
load	N_1800077303	constant_power_B	1738.85	571.532	869.425	285.766
load	N_1800077303	constant_power_A_real	1738.85	0.0	869.425	0.0
load	N_1800077303	constant_power_B_real	1738.85	0.0	869.425	0.0
load	N_1800077303	constant_power_A_reac	571.532	0.0	285.766	0.0
load	N_1800077303	constant_power_B_reac	571.532	0.0	285.766	0.0
load	N_1800007433	constant_power_A	30.815	10.1284	15.4075	5.0642
load	N_1800007433	constant_power_B	30.815	10.1284	15.4075	5.0642
load	N_1800007433	constant_power_A_real	30.815	0.0	15.4075	0.0
load	N_1800007433	constant_power_B_real	30.815	0.0	15.4075	0.0
load	N_1800007433	constant_power_A_reac	10.1284	0.0	5.0642	0.0
load	N_1800007433	constant_power_B_reac	10.1284	0.0	5.0642	0.0
load	N_1800042483	constant_power_A	915.646	300.958	457.823	150.479
load	N_1800042483	constant_power_B	915.646	300.958	457.823	150.479
load	N_1800042483	constant_power_A_real	915.646	0.0	457.823	0.0
load	N_1800042483	constant_power_B_real	915.646	0.0	457.823	0.0
load	N_1800042483	constant_power_A_reac	300.958	0.0	150.479	0.0
load	N_1800042483	constant_power_B_reac	300.958	0.0	150.479	0.0
load	N_1800027834	constant_power_A	1191.51	738.434	595.755	369.217
load	N_1800027834	constant_power_B	1191.51	738.434	595.755	369.217
load	N_1800027834	constant_power_C	1191.51	738.434	595.755	369.217
load	N_1800027834	constant_power_A_real	1191.51	0.0	595.755	0.0
load	N_1800027834	constant_power_B_real	1191.51	0.0	595.755	0.0
load	N_1800027834	constant_power_C_real	1191.51	0.0	595.755	0.0
load	N_1800027834	constant_power_A_reac	738.434	0.0	369.217	0.0
load	N_1800027834	constant_power_B_reac	738.434	0.0	369.217	0.0
load	N_1800027834	constant_power_C_reac	738.434	0.0	369.217	0.0
load	N_1800042370	constant_power_A	1941.35	1072.45	970.675	536.225
load	N_1800042370	constant_power_B	1941.35	1072.45	970.675	536.225
load	N_1800042370	constant_power_A_real	1941.35	0.0	970.675	0.0
load	N_1800042370	constant_power_B_real	1941.35	0.0	970.675	0.0
load	N_1800042370	constant_power_A_reac	1072.45	0.0	536.225	0.0
load	N_1800042370	constant_power_B_reac	1072.45	0.0	536.225	0.0
load	N_1800073632	constant_power_A	393.258	129.258	196.629	64.629
load	N_1800073632	constant_power_B	393.258	129.258	196.629	64.629
load	N_1800073632	constant_power_C	393.258	129.258	196.629	64.629
load	N_1800073632	constant_power_A_real	393.258	0.0	196.629	0.0
load	N_1800073632	constant_power_B_real	393.258	0.0	196.629	0.0
load	N_1800073632	constant_power_C_real	393.258	0.0	196.629	0.0
load	N_1800073632	constant_power_A_reac	129.258	0.0	64.629	0.0
load	N_1800073632	constant_power_B_reac	129.258	0.0	64.629	0.0
load	N_1800073632	constant_power_C_reac	129.258	0.0	64.629	0.0
load	N_1800073224	constant_power_A	4538.61	1491.77	2269.305	745.885
load	N_1800073224	constant_power_B	4538.61	1491.77	2269.305	745.885
load	N_1800073224	constant_power_A_real	4538.61	0.0	2269.305	0.0
load	N_1800073224	constant_power_B_real	4538.61	0.0	2269.305	0.0
load	N_1800073224	constant_power_A_reac	1491.77	0.0	745.885	0.0
load	N_1800073224	constant_power_B_reac	1491.77	0.0	745.885	0.0
load	N_1800071813	constant_power_A	184.89	60.7704	92.445	30.3852
load	N_1800071813	constant_power_B	184.89	60.7704	92.445	30.3852
load	N_1800071813	constant_power_C	184.89	60.7704	92.445	30.3852

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071813	constant_power_A_real	184.89	0.0	92.445	0.0
load	N_1800071813	constant_power_B_real	184.89	0.0	92.445	0.0
load	N_1800071813	constant_power_C_real	184.89	0.0	92.445	0.0
load	N_1800071813	constant_power_A_reac	60.7704	0.0	30.3852	0.0
load	N_1800071813	constant_power_B_reac	60.7704	0.0	30.3852	0.0
load	N_1800071813	constant_power_C_reac	60.7704	0.0	30.3852	0.0
load	N_1800071812	constant_power_A	440.215	144.692	220.1075	72.346
load	N_1800071812	constant_power_B	440.215	144.692	220.1075	72.346
load	N_1800071812	constant_power_C	440.215	144.692	220.1075	72.346
load	N_1800071812	constant_power_A_real	440.215	0.0	220.1075	0.0
load	N_1800071812	constant_power_B_real	440.215	0.0	220.1075	0.0
load	N_1800071812	constant_power_C_real	440.215	0.0	220.1075	0.0
load	N_1800071812	constant_power_A_reac	144.692	0.0	72.346	0.0
load	N_1800071812	constant_power_B_reac	144.692	0.0	72.346	0.0
load	N_1800071812	constant_power_C_reac	144.692	0.0	72.346	0.0
load	N_1800073222	constant_power_A	1857.71	610.598	928.855	305.299
load	N_1800073222	constant_power_B	1857.71	610.598	928.855	305.299
load	N_1800073222	constant_power_A_real	1857.71	0.0	928.855	0.0
load	N_1800073222	constant_power_B_real	1857.71	0.0	928.855	0.0
load	N_1800073222	constant_power_A_reac	610.598	0.0	305.299	0.0
load	N_1800073222	constant_power_B_reac	610.598	0.0	305.299	0.0
load	N_1800073223	constant_power_A	3213.57	1056.25	1606.785	528.125
load	N_1800073223	constant_power_B	3213.57	1056.25	1606.785	528.125
load	N_1800073223	constant_power_A_real	3213.57	0.0	1606.785	0.0
load	N_1800073223	constant_power_B_real	3213.57	0.0	1606.785	0.0
load	N_1800073223	constant_power_A_reac	1056.25	0.0	528.125	0.0
load	N_1800073223	constant_power_B_reac	1056.25	0.0	528.125	0.0
load	N_1800042575	constant_power_A	5000.84	1643.7	2500.42	821.85
load	N_1800042575	constant_power_B	5000.84	1643.7	2500.42	821.85
load	N_1800042575	constant_power_A_real	5000.84	0.0	2500.42	0.0
load	N_1800042575	constant_power_B_real	5000.84	0.0	2500.42	0.0
load	N_1800042575	constant_power_A_reac	1643.7	0.0	821.85	0.0
load	N_1800042575	constant_power_B_reac	1643.7	0.0	821.85	0.0
load	N_1800043576	constant_power_A	2777.75	913.004	1388.875	456.502
load	N_1800043576	constant_power_B	2777.75	913.004	1388.875	456.502
load	N_1800043576	constant_power_A_real	2777.75	0.0	1388.875	0.0
load	N_1800043576	constant_power_B_real	2777.75	0.0	1388.875	0.0
load	N_1800043576	constant_power_A_reac	913.004	0.0	456.502	0.0
load	N_1800043576	constant_power_B_reac	913.004	0.0	456.502	0.0
load	N_1800046000	constant_power_A	519.453	170.736	259.7265	85.368
load	N_1800046000	constant_power_C	519.453	170.736	259.7265	85.368
load	N_1800046000	constant_power_A_real	519.453	0.0	259.7265	0.0
load	N_1800046000	constant_power_C_real	519.453	0.0	259.7265	0.0
load	N_1800046000	constant_power_A_reac	170.736	0.0	85.368	0.0
load	N_1800046000	constant_power_C_reac	170.736	0.0	85.368	0.0
load	N_1800073165	constant_power_A	4098.4	1347.08	2049.2	673.54
load	N_1800073165	constant_power_B	4098.4	1347.08	2049.2	673.54
load	N_1800073165	constant_power_A_real	4098.4	0.0	2049.2	0.0
load	N_1800073165	constant_power_B_real	4098.4	0.0	2049.2	0.0
load	N_1800073165	constant_power_A_reac	1347.08	0.0	673.54	0.0
load	N_1800073165	constant_power_B_reac	1347.08	0.0	673.54	0.0
load	N_1800046003	constant_power_A	1804.88	593.235	902.44	296.6175
load	N_1800046003	constant_power_C	1804.88	593.235	902.44	296.6175
load	N_1800046003	constant_power_A_real	1804.88	0.0	902.44	0.0
load	N_1800046003	constant_power_C_real	1804.88	0.0	902.44	0.0
load	N_1800046003	constant_power_A_reac	593.235	0.0	296.6175	0.0
load	N_1800046003	constant_power_C_reac	593.235	0.0	296.6175	0.0
load	N_1800046004	constant_power_A	308.15	101.284	154.075	50.642
load	N_1800046004	constant_power_C	308.15	101.284	154.075	50.642
load	N_1800046004	constant_power_A_real	308.15	0.0	154.075	0.0
load	N_1800046004	constant_power_C_real	308.15	0.0	154.075	0.0
load	N_1800046004	constant_power_A_reac	101.284	0.0	50.642	0.0
load	N_1800046004	constant_power_C_reac	101.284	0.0	50.642	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800046006	constant_power_A	2249.5	739.374	1124.75	369.687
load	N_1800046006	constant_power_C	2249.5	739.374	1124.75	369.687
load	N_1800046006	constant_power_A_real	2249.5	0.0	1124.75	0.0
load	N_1800046006	constant_power_C_real	2249.5	0.0	1124.75	0.0
load	N_1800046006	constant_power_A_reac	739.374	0.0	369.687	0.0
load	N_1800046006	constant_power_C_reac	739.374	0.0	369.687	0.0
load	N_1800205745	constant_power_A	11069.9	6860.53	5534.95	3430.265
load	N_1800205745	constant_power_B	11069.9	6860.53	5534.95	3430.265
load	N_1800205745	constant_power_C	11069.9	6860.53	5534.95	3430.265
load	N_1800205745	constant_power_A_real	11069.9	0.0	5534.95	0.0
load	N_1800205745	constant_power_B_real	11069.9	0.0	5534.95	0.0
load	N_1800205745	constant_power_C_real	11069.9	0.0	5534.95	0.0
load	N_1800205745	constant_power_A_reac	6860.53	0.0	3430.265	0.0
load	N_1800205745	constant_power_B_reac	6860.53	0.0	3430.265	0.0
load	N_1800205745	constant_power_C_reac	6860.53	0.0	3430.265	0.0
load	N_1800070324	constant_power_A	2879.0	1185.88	1439.5	592.94
load	N_1800070324	constant_power_B	2879.0	1185.88	1439.5	592.94
load	N_1800070324	constant_power_A_real	2879.0	0.0	1439.5	0.0
load	N_1800070324	constant_power_B_real	2879.0	0.0	1439.5	0.0
load	N_1800070324	constant_power_A_reac	1185.88	0.0	592.94	0.0
load	N_1800070324	constant_power_B_reac	1185.88	0.0	592.94	0.0
load	N_1800070326	constant_power_A	2209.88	726.351	1104.94	363.1755
load	N_1800070326	constant_power_B	2209.88	726.351	1104.94	363.1755
load	N_1800070326	constant_power_A_real	2209.88	0.0	1104.94	0.0
load	N_1800070326	constant_power_B_real	2209.88	0.0	1104.94	0.0
load	N_1800070326	constant_power_A_reac	726.351	0.0	363.1755	0.0
load	N_1800070326	constant_power_B_reac	726.351	0.0	363.1755	0.0
load	N_1800070451	constant_power_A	642.713	211.25	321.3565	105.625
load	N_1800070451	constant_power_B	642.713	211.25	321.3565	105.625
load	N_1800070451	constant_power_A_real	642.713	0.0	321.3565	0.0
load	N_1800070451	constant_power_B_real	642.713	0.0	321.3565	0.0
load	N_1800070451	constant_power_A_reac	211.25	0.0	105.625	0.0
load	N_1800070451	constant_power_B_reac	211.25	0.0	105.625	0.0
load	N_1800067860	constant_power_A	1605.32	527.642	802.66	263.821
load	N_1800067860	constant_power_B	1605.32	527.642	802.66	263.821
load	N_1800067860	constant_power_C	1605.32	527.642	802.66	263.821
load	N_1800067860	constant_power_A_real	1605.32	0.0	802.66	0.0
load	N_1800067860	constant_power_B_real	1605.32	0.0	802.66	0.0
load	N_1800067860	constant_power_C_real	1605.32	0.0	802.66	0.0
load	N_1800067860	constant_power_A_reac	527.642	0.0	263.821	0.0
load	N_1800067860	constant_power_B_reac	527.642	0.0	263.821	0.0
load	N_1800067860	constant_power_C_reac	527.642	0.0	263.821	0.0
load	N_1800067867	constant_power_A	8289.24	5137.21	4144.62	2568.605
load	N_1800067867	constant_power_B	8289.24	5137.21	4144.62	2568.605
load	N_1800067867	constant_power_A_real	8289.24	0.0	4144.62	0.0
load	N_1800067867	constant_power_B_real	8289.24	0.0	4144.62	0.0
load	N_1800067867	constant_power_A_reac	5137.21	0.0	2568.605	0.0
load	N_1800067867	constant_power_B_reac	5137.21	0.0	2568.605	0.0
load	N_1800069297	constant_power_A	765.973	251.763	382.9865	125.8815
load	N_1800069297	constant_power_B	765.973	251.763	382.9865	125.8815
load	N_1800069297	constant_power_A_real	765.973	0.0	382.9865	0.0
load	N_1800069297	constant_power_B_real	765.973	0.0	382.9865	0.0
load	N_1800069297	constant_power_A_reac	251.763	0.0	125.8815	0.0
load	N_1800069297	constant_power_B_reac	251.763	0.0	125.8815	0.0
load	N_1800069295	constant_power_A	58.6953	36.3761	29.34765	18.18805
load	N_1800069295	constant_power_B	58.6953	36.3761	29.34765	18.18805
load	N_1800069295	constant_power_C	58.6953	36.3761	29.34765	18.18805
load	N_1800069295	constant_power_A_real	58.6953	0.0	29.34765	0.0
load	N_1800069295	constant_power_B_real	58.6953	0.0	29.34765	0.0
load	N_1800069295	constant_power_C_real	58.6953	0.0	29.34765	0.0
load	N_1800069295	constant_power_A_reac	36.3761	0.0	18.18805	0.0
load	N_1800069295	constant_power_B_reac	36.3761	0.0	18.18805	0.0
load	N_1800069295	constant_power_C_reac	36.3761	0.0	18.18805	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800039578	constant_power_A	3289.87	2038.88	1644.935	1019.44
load	N_1800039578	constant_power_B	3289.87	2038.88	1644.935	1019.44
load	N_1800039578	constant_power_C	3289.87	2038.88	1644.935	1019.44
load	N_1800039578	constant_power_A_real	3289.87	0.0	1644.935	0.0
load	N_1800039578	constant_power_B_real	3289.87	0.0	1644.935	0.0
load	N_1800039578	constant_power_C_real	3289.87	0.0	1644.935	0.0
load	N_1800039578	constant_power_A_reac	2038.88	0.0	1019.44	0.0
load	N_1800039578	constant_power_B_reac	2038.88	0.0	1019.44	0.0
load	N_1800039578	constant_power_C_reac	2038.88	0.0	1019.44	0.0
load	N_1800041280	constant_power_A	3129.93	1028.76	1564.965	514.38
load	N_1800041280	constant_power_B	3129.93	1028.76	1564.965	514.38
load	N_1800041280	constant_power_A_real	3129.93	0.0	1564.965	0.0
load	N_1800041280	constant_power_B_real	3129.93	0.0	1564.965	0.0
load	N_1800041280	constant_power_A_reac	1028.76	0.0	514.38	0.0
load	N_1800041280	constant_power_B_reac	1028.76	0.0	514.38	0.0
load	N_1800039577	constant_power_A	1710.97	562.368	855.485	281.184
load	N_1800039577	constant_power_B	1710.97	562.368	855.485	281.184
load	N_1800039577	constant_power_C	1710.97	562.368	855.485	281.184
load	N_1800039577	constant_power_A_real	1710.97	0.0	855.485	0.0
load	N_1800039577	constant_power_B_real	1710.97	0.0	855.485	0.0
load	N_1800039577	constant_power_C_real	1710.97	0.0	855.485	0.0
load	N_1800039577	constant_power_A_reac	562.368	0.0	281.184	0.0
load	N_1800039577	constant_power_B_reac	562.368	0.0	281.184	0.0
load	N_1800039577	constant_power_C_reac	562.368	0.0	281.184	0.0
load	N_1800039573	constant_power_A	578.149	190.028	289.0745	95.014
load	N_1800039573	constant_power_B	578.149	190.028	289.0745	95.014
load	N_1800039573	constant_power_C	578.149	190.028	289.0745	95.014
load	N_1800039573	constant_power_A_real	578.149	0.0	289.0745	0.0
load	N_1800039573	constant_power_B_real	578.149	0.0	289.0745	0.0
load	N_1800039573	constant_power_C_real	578.149	0.0	289.0745	0.0
load	N_1800039573	constant_power_A_reac	190.028	0.0	95.014	0.0
load	N_1800039573	constant_power_B_reac	190.028	0.0	95.014	0.0
load	N_1800039573	constant_power_C_reac	190.028	0.0	95.014	0.0
load	N_1800079808	constant_power_A	989.015	325.074	494.5075	162.537
load	N_1800079808	constant_power_B	989.015	325.074	494.5075	162.537
load	N_1800079808	constant_power_C	989.015	325.074	494.5075	162.537
load	N_1800079808	constant_power_A_real	989.015	0.0	494.5075	0.0
load	N_1800079808	constant_power_B_real	989.015	0.0	494.5075	0.0
load	N_1800079808	constant_power_C_real	989.015	0.0	494.5075	0.0
load	N_1800079808	constant_power_A_reac	325.074	0.0	162.537	0.0
load	N_1800079808	constant_power_B_reac	325.074	0.0	162.537	0.0
load	N_1800079808	constant_power_C_reac	325.074	0.0	162.537	0.0
load	N_1800069054	constant_power_A	3019.87	992.584	1509.935	496.292
load	N_1800069054	constant_power_B	3019.87	992.584	1509.935	496.292
load	N_1800069054	constant_power_A_real	3019.87	0.0	1509.935	0.0
load	N_1800069054	constant_power_B_real	3019.87	0.0	1509.935	0.0
load	N_1800069054	constant_power_A_reac	992.584	0.0	496.292	0.0
load	N_1800069054	constant_power_B_reac	992.584	0.0	496.292	0.0
load	N_1800069055	constant_power_A	281.737	92.6025	140.8685	46.30125
load	N_1800069055	constant_power_B	281.737	92.6025	140.8685	46.30125
load	N_1800069055	constant_power_A_real	281.737	0.0	140.8685	0.0
load	N_1800069055	constant_power_B_real	281.737	0.0	140.8685	0.0
load	N_1800069055	constant_power_A_reac	92.6025	0.0	46.30125	0.0
load	N_1800069055	constant_power_B_reac	92.6025	0.0	46.30125	0.0
load	N_1800069051	constant_power_A	1016.9	334.238	508.45	167.119
load	N_1800069051	constant_power_B	1016.9	334.238	508.45	167.119
load	N_1800069051	constant_power_A_real	1016.9	0.0	508.45	0.0
load	N_1800069051	constant_power_B_real	1016.9	0.0	508.45	0.0
load	N_1800069051	constant_power_A_reac	334.238	0.0	167.119	0.0
load	N_1800069051	constant_power_B_reac	334.238	0.0	167.119	0.0
load	N_1800035449	constant_power_A	13840.3	4549.1	6920.15	2274.55
load	N_1800035449	constant_power_A_real	13840.3	0.0	6920.15	0.0
load	N_1800035449	constant_power_A_reac	4549.1	0.0	2274.55	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800038166	constant_power_A	145.271	90.0309	72.6355	45.01545
load	N_1800038166	constant_power_B	145.271	90.0309	72.6355	45.01545
load	N_1800038166	constant_power_A_real	145.271	0.0	72.6355	0.0
load	N_1800038166	constant_power_B_real	145.271	0.0	72.6355	0.0
load	N_1800038166	constant_power_A_reac	90.0309	0.0	45.01545	0.0
load	N_1800038166	constant_power_B_reac	90.0309	0.0	45.01545	0.0
load	N_1800069058	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800069058	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800069058	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800069058	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800069058	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800069058	constant_power_B_reac	179.417	0.0	89.7085	0.0
load	N_1800069509	constant_power_A	814.397	267.679	407.1985	133.8395
load	N_1800069509	constant_power_B	814.397	267.679	407.1985	133.8395
load	N_1800069509	constant_power_A_real	814.397	0.0	407.1985	0.0
load	N_1800069509	constant_power_B_real	814.397	0.0	407.1985	0.0
load	N_1800069509	constant_power_A_reac	267.679	0.0	133.8395	0.0
load	N_1800069509	constant_power_B_reac	267.679	0.0	133.8395	0.0
load	N_1800073097	constant_power_A	2698.52	886.959	1349.26	443.4795
load	N_1800073097	constant_power_B	2698.52	886.959	1349.26	443.4795
load	N_1800073097	constant_power_A_real	2698.52	0.0	1349.26	0.0
load	N_1800073097	constant_power_B_real	2698.52	0.0	1349.26	0.0
load	N_1800073097	constant_power_A_reac	886.959	0.0	443.4795	0.0
load	N_1800073097	constant_power_B_reac	886.959	0.0	443.4795	0.0
load	N_1800073096	constant_power_A	1065.32	350.153	532.66	175.0765
load	N_1800073096	constant_power_B	1065.32	350.153	532.66	175.0765
load	N_1800073096	constant_power_A_real	1065.32	0.0	532.66	0.0
load	N_1800073096	constant_power_B_real	1065.32	0.0	532.66	0.0
load	N_1800073096	constant_power_A_reac	350.153	0.0	175.0765	0.0
load	N_1800073096	constant_power_B_reac	350.153	0.0	175.0765	0.0
load	N_1800073094	constant_power_A	541.464	177.971	270.732	88.9855
load	N_1800073094	constant_power_B	541.464	177.971	270.732	88.9855
load	N_1800073094	constant_power_A_real	541.464	0.0	270.732	0.0
load	N_1800073094	constant_power_B_real	541.464	0.0	270.732	0.0
load	N_1800073094	constant_power_A_reac	177.971	0.0	88.9855	0.0
load	N_1800073094	constant_power_B_reac	177.971	0.0	88.9855	0.0
load	N_1800072540	constant_power_A	4375.73	1438.23	2187.865	719.115
load	N_1800072540	constant_power_A_real	4375.73	0.0	2187.865	0.0
load	N_1800072540	constant_power_A_reac	1438.23	0.0	719.115	0.0
load	N_1800073098	constant_power_A	898.038	295.171	449.019	147.5855
load	N_1800073098	constant_power_B	898.038	295.171	449.019	147.5855
load	N_1800073098	constant_power_A_real	898.038	0.0	449.019	0.0
load	N_1800073098	constant_power_B_real	898.038	0.0	449.019	0.0
load	N_1800073098	constant_power_A_reac	295.171	0.0	147.5855	0.0
load	N_1800073098	constant_power_B_reac	295.171	0.0	147.5855	0.0
load	N_1800071039	constant_power_A	7069.85	2323.75	3534.925	1161.875
load	N_1800071039	constant_power_B	7069.85	2323.75	3534.925	1161.875
load	N_1800071039	constant_power_A_real	7069.85	0.0	3534.925	0.0
load	N_1800071039	constant_power_B_real	7069.85	0.0	3534.925	0.0
load	N_1800071039	constant_power_A_reac	2323.75	0.0	1161.875	0.0
load	N_1800071039	constant_power_B_reac	2323.75	0.0	1161.875	0.0
load	N_1800068906	constant_power_A	1470.32	483.27	735.16	241.635
load	N_1800068906	constant_power_C	1470.32	483.27	735.16	241.635
load	N_1800068906	constant_power_A_real	1470.32	0.0	735.16	0.0
load	N_1800068906	constant_power_C_real	1470.32	0.0	735.16	0.0
load	N_1800068906	constant_power_A_reac	483.27	0.0	241.635	0.0
load	N_1800068906	constant_power_C_reac	483.27	0.0	241.635	0.0
load	N_1800017624	constant_power_A	523.855	172.183	261.9275	86.0915
load	N_1800017624	constant_power_B	523.855	172.183	261.9275	86.0915
load	N_1800017624	constant_power_A_real	523.855	0.0	261.9275	0.0
load	N_1800017624	constant_power_B_real	523.855	0.0	261.9275	0.0
load	N_1800017624	constant_power_A_reac	172.183	0.0	86.0915	0.0
load	N_1800017624	constant_power_B_reac	172.183	0.0	86.0915	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067555	constant_power_A	884.831	290.83	442.4155	145.415
load	N_1800067555	constant_power_B	884.831	290.83	442.4155	145.415
load	N_1800067555	constant_power_A_real	884.831	0.0	442.4155	0.0
load	N_1800067555	constant_power_B_real	884.831	0.0	442.4155	0.0
load	N_1800067555	constant_power_A_reac	290.83	0.0	145.415	0.0
load	N_1800067555	constant_power_B_reac	290.83	0.0	145.415	0.0
load	N_1800071035	constant_power_A	1210.59	397.902	605.295	198.951
load	N_1800071035	constant_power_B	1210.59	397.902	605.295	198.951
load	N_1800071035	constant_power_A_real	1210.59	0.0	605.295	0.0
load	N_1800071035	constant_power_B_real	1210.59	0.0	605.295	0.0
load	N_1800071035	constant_power_A_reac	397.902	0.0	198.951	0.0
load	N_1800071035	constant_power_B_reac	397.902	0.0	198.951	0.0
load	N_1800067917	constant_power_A	1461.51	480.376	730.755	240.188
load	N_1800067917	constant_power_B	1461.51	480.376	730.755	240.188
load	N_1800067917	constant_power_A_real	1461.51	0.0	730.755	0.0
load	N_1800067917	constant_power_B_real	1461.51	0.0	730.755	0.0
load	N_1800067917	constant_power_A_reac	480.376	0.0	240.188	0.0
load	N_1800067917	constant_power_B_reac	480.376	0.0	240.188	0.0
load	N_1800070523	constant_power_A	6720.61	2369.55	3360.305	1184.775
load	N_1800070523	constant_power_B	6720.61	2369.55	3360.305	1184.775
load	N_1800070523	constant_power_C	6720.61	2369.55	3360.305	1184.775
load	N_1800070523	constant_power_A_real	6720.61	0.0	3360.305	0.0
load	N_1800070523	constant_power_B_real	6720.61	0.0	3360.305	0.0
load	N_1800070523	constant_power_C_real	6720.61	0.0	3360.305	0.0
load	N_1800070523	constant_power_A_reac	2369.55	0.0	1184.775	0.0
load	N_1800070523	constant_power_B_reac	2369.55	0.0	1184.775	0.0
load	N_1800070523	constant_power_C_reac	2369.55	0.0	1184.775	0.0
load	N_1800070520	constant_power_A	8995.05	4329.22	4497.525	2164.61
load	N_1800070520	constant_power_B	8995.05	4329.22	4497.525	2164.61
load	N_1800070520	constant_power_C	8995.05	4329.22	4497.525	2164.61
load	N_1800070520	constant_power_A_real	8995.05	0.0	4497.525	0.0
load	N_1800070520	constant_power_B_real	8995.05	0.0	4497.525	0.0
load	N_1800070520	constant_power_C_real	8995.05	0.0	4497.525	0.0
load	N_1800070520	constant_power_A_reac	4329.22	0.0	2164.61	0.0
load	N_1800070520	constant_power_B_reac	4329.22	0.0	2164.61	0.0
load	N_1800070520	constant_power_C_reac	4329.22	0.0	2164.61	0.0
load	N_1800070521	constant_power_A	4102.8	2212.97	2051.4	1106.485
load	N_1800070521	constant_power_B	4102.8	2212.97	2051.4	1106.485
load	N_1800070521	constant_power_C	4102.8	2212.97	2051.4	1106.485
load	N_1800070521	constant_power_A_real	4102.8	0.0	2051.4	0.0
load	N_1800070521	constant_power_B_real	4102.8	0.0	2051.4	0.0
load	N_1800070521	constant_power_C_real	4102.8	0.0	2051.4	0.0
load	N_1800070521	constant_power_A_reac	2212.97	0.0	1106.485	0.0
load	N_1800070521	constant_power_B_reac	2212.97	0.0	1106.485	0.0
load	N_1800070521	constant_power_C_reac	2212.97	0.0	1106.485	0.0
load	N_1800208053	constant_power_A	10926.1	3591.24	5463.05	1795.62
load	N_1800208053	constant_power_B	10926.1	3591.24	5463.05	1795.62
load	N_1800208053	constant_power_A_real	10926.1	0.0	5463.05	0.0
load	N_1800208053	constant_power_B_real	10926.1	0.0	5463.05	0.0
load	N_1800208053	constant_power_A_reac	3591.24	0.0	1795.62	0.0
load	N_1800208053	constant_power_B_reac	3591.24	0.0	1795.62	0.0
load	N_1800067912	constant_power_A	1967.76	646.771	983.88	323.3855
load	N_1800067912	constant_power_B	1967.76	646.771	983.88	323.3855
load	N_1800067912	constant_power_A_real	1967.76	0.0	983.88	0.0
load	N_1800067912	constant_power_B_real	1967.76	0.0	983.88	0.0
load	N_1800067912	constant_power_A_reac	646.771	0.0	323.3855	0.0
load	N_1800067912	constant_power_B_reac	646.771	0.0	323.3855	0.0
load	N_1800067910	constant_power_A	206.901	68.0051	103.4505	34.00255
load	N_1800067910	constant_power_B	206.901	68.0051	103.4505	34.00255
load	N_1800067910	constant_power_A_real	206.901	0.0	103.4505	0.0
load	N_1800067910	constant_power_B_real	206.901	0.0	103.4505	0.0
load	N_1800067910	constant_power_A_reac	68.0051	0.0	34.00255	0.0
load	N_1800067910	constant_power_B_reac	68.0051	0.0	34.00255	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031614	constant_power_A	2341.94	769.759	1170.97	384.8795
load	N_1800031614	constant_power_B	2341.94	769.759	1170.97	384.8795
load	N_1800031614	constant_power_A_real	2341.94	0.0	1170.97	0.0
load	N_1800031614	constant_power_B_real	2341.94	0.0	1170.97	0.0
load	N_1800031614	constant_power_A_reac	769.759	0.0	384.8795	0.0
load	N_1800031614	constant_power_B_reac	769.759	0.0	384.8795	0.0
load	N_1800067919	constant_power_A	294.944	96.9434	147.472	48.4717
load	N_1800067919	constant_power_B	294.944	96.9434	147.472	48.4717
load	N_1800067919	constant_power_A_real	294.944	0.0	147.472	0.0
load	N_1800067919	constant_power_B_real	294.944	0.0	147.472	0.0
load	N_1800067919	constant_power_A_reac	96.9434	0.0	48.4717	0.0
load	N_1800067919	constant_power_B_reac	96.9434	0.0	48.4717	0.0
load	N_1800011746	constant_power_A	1300.1	746.791	650.05	373.3955
load	N_1800011746	constant_power_B	1300.1	746.791	650.05	373.3955
load	N_1800011746	constant_power_C	1300.1	746.791	650.05	373.3955
load	N_1800011746	constant_power_A_real	1300.1	0.0	650.05	0.0
load	N_1800011746	constant_power_B_real	1300.1	0.0	650.05	0.0
load	N_1800011746	constant_power_C_real	1300.1	0.0	650.05	0.0
load	N_1800011746	constant_power_A_reac	746.791	0.0	373.3955	0.0
load	N_1800011746	constant_power_B_reac	746.791	0.0	373.3955	0.0
load	N_1800011746	constant_power_C_reac	746.791	0.0	373.3955	0.0
load	N_1800069612	constant_power_A	1351.46	444.203	675.73	222.1015
load	N_1800069612	constant_power_B	1351.46	444.203	675.73	222.1015
load	N_1800069612	constant_power_A_real	1351.46	0.0	675.73	0.0
load	N_1800069612	constant_power_B_real	1351.46	0.0	675.73	0.0
load	N_1800069612	constant_power_A_reac	444.203	0.0	222.1015	0.0
load	N_1800069612	constant_power_B_reac	444.203	0.0	222.1015	0.0
load	N_1800069613	constant_power_A	1708.03	561.403	854.015	280.7015
load	N_1800069613	constant_power_B	1708.03	561.403	854.015	280.7015
load	N_1800069613	constant_power_A_real	1708.03	0.0	854.015	0.0
load	N_1800069613	constant_power_B_real	1708.03	0.0	854.015	0.0
load	N_1800069613	constant_power_A_reac	561.403	0.0	280.7015	0.0
load	N_1800069613	constant_power_B_reac	561.403	0.0	280.7015	0.0
load	N_1800069611	constant_power_A	2923.03	960.752	1461.515	480.376
load	N_1800069611	constant_power_B	2923.03	960.752	1461.515	480.376
load	N_1800069611	constant_power_A_real	2923.03	0.0	1461.515	0.0
load	N_1800069611	constant_power_B_real	2923.03	0.0	1461.515	0.0
load	N_1800069611	constant_power_A_reac	960.752	0.0	480.376	0.0
load	N_1800069611	constant_power_B_reac	960.752	0.0	480.376	0.0
load	N_1800069617	constant_power_A	96.847	31.8321	48.4235	15.91605
load	N_1800069617	constant_power_B	96.847	31.8321	48.4235	15.91605
load	N_1800069617	constant_power_A_real	96.847	0.0	48.4235	0.0
load	N_1800069617	constant_power_B_real	96.847	0.0	48.4235	0.0
load	N_1800069617	constant_power_A_reac	31.8321	0.0	15.91605	0.0
load	N_1800069617	constant_power_B_reac	31.8321	0.0	15.91605	0.0
load	N_1800069614	constant_power_A	4815.95	1582.93	2407.975	791.465
load	N_1800069614	constant_power_B	4815.95	1582.93	2407.975	791.465
load	N_1800069614	constant_power_A_real	4815.95	0.0	2407.975	0.0
load	N_1800069614	constant_power_B_real	4815.95	0.0	2407.975	0.0
load	N_1800069614	constant_power_A_reac	1582.93	0.0	791.465	0.0
load	N_1800069614	constant_power_B_reac	1582.93	0.0	791.465	0.0
load	N_1800073788	constant_power_A	1289.83	423.946	644.915	211.973
load	N_1800073788	constant_power_B	1289.83	423.946	644.915	211.973
load	N_1800073788	constant_power_A_real	1289.83	0.0	644.915	0.0
load	N_1800073788	constant_power_B_real	1289.83	0.0	644.915	0.0
load	N_1800073788	constant_power_A_reac	423.946	0.0	211.973	0.0
load	N_1800073788	constant_power_B_reac	423.946	0.0	211.973	0.0
load	N_1800069619	constant_power_A	2359.55	775.547	1179.775	387.7735
load	N_1800069619	constant_power_B	2359.55	775.547	1179.775	387.7735
load	N_1800069619	constant_power_A_real	2359.55	0.0	1179.775	0.0
load	N_1800069619	constant_power_B_real	2359.55	0.0	1179.775	0.0
load	N_1800069619	constant_power_A_reac	775.547	0.0	387.7735	0.0
load	N_1800069619	constant_power_B_reac	775.547	0.0	387.7735	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800019467	constant_power_A	259.727	85.3681	129.8635	42.68405
load	N_1800019467	constant_power_B	259.727	85.3681	129.8635	42.68405
load	N_1800019467	constant_power_A_real	259.727	0.0	129.8635	0.0
load	N_1800019467	constant_power_B_real	259.727	0.0	129.8635	0.0
load	N_1800019467	constant_power_A_reac	85.3681	0.0	42.68405	0.0
load	N_1800019467	constant_power_B_reac	85.3681	0.0	42.68405	0.0
load	N_1800019468	constant_power_A	801.191	263.339	400.5955	131.6695
load	N_1800019468	constant_power_B	801.191	263.339	400.5955	131.6695
load	N_1800019468	constant_power_A_real	801.191	0.0	400.5955	0.0
load	N_1800019468	constant_power_B_real	801.191	0.0	400.5955	0.0
load	N_1800019468	constant_power_A_reac	263.339	0.0	131.6695	0.0
load	N_1800019468	constant_power_B_reac	263.339	0.0	131.6695	0.0
load	N_1800069871	constant_power_A	2746.94	902.875	1373.47	451.4375
load	N_1800069871	constant_power_B	2746.94	902.875	1373.47	451.4375
load	N_1800069871	constant_power_A_real	2746.94	0.0	1373.47	0.0
load	N_1800069871	constant_power_B_real	2746.94	0.0	1373.47	0.0
load	N_1800069871	constant_power_A_reac	902.875	0.0	451.4375	0.0
load	N_1800069871	constant_power_B_reac	902.875	0.0	451.4375	0.0
load	N_1800069876	constant_power_A	1527.55	541.8	763.775	270.9
load	N_1800069876	constant_power_B	1527.55	541.8	763.775	270.9
load	N_1800069876	constant_power_A_real	1527.55	0.0	763.775	0.0
load	N_1800069876	constant_power_B_real	1527.55	0.0	763.775	0.0
load	N_1800069876	constant_power_A_reac	541.8	0.0	270.9	0.0
load	N_1800069876	constant_power_B_reac	541.8	0.0	270.9	0.0
load	N_1800208583	constant_power_A	604.561	198.71	302.2805	99.355
load	N_1800208583	constant_power_B	604.561	198.71	302.2805	99.355
load	N_1800208583	constant_power_C	604.561	198.71	302.2805	99.355
load	N_1800208583	constant_power_A_real	604.561	0.0	302.2805	0.0
load	N_1800208583	constant_power_B_real	604.561	0.0	302.2805	0.0
load	N_1800208583	constant_power_C_real	604.561	0.0	302.2805	0.0
load	N_1800208583	constant_power_A_reac	198.71	0.0	99.355	0.0
load	N_1800208583	constant_power_B_reac	198.71	0.0	99.355	0.0
load	N_1800208583	constant_power_C_reac	198.71	0.0	99.355	0.0
load	N_1800067558	constant_power_A	1958.95	643.877	979.475	321.9385
load	N_1800067558	constant_power_B	1958.95	643.877	979.475	321.9385
load	N_1800067558	constant_power_A_real	1958.95	0.0	979.475	0.0
load	N_1800067558	constant_power_B_real	1958.95	0.0	979.475	0.0
load	N_1800067558	constant_power_A_reac	643.877	0.0	321.9385	0.0
load	N_1800067558	constant_power_B_reac	643.877	0.0	321.9385	0.0
load	N_1800039701	constant_power_A	3592.15	1747.01	1796.075	873.505
load	N_1800039701	constant_power_B	3592.15	1747.01	1796.075	873.505
load	N_1800039701	constant_power_C	3592.15	1747.01	1796.075	873.505
load	N_1800039701	constant_power_A_real	3592.15	0.0	1796.075	0.0
load	N_1800039701	constant_power_B_real	3592.15	0.0	1796.075	0.0
load	N_1800039701	constant_power_C_real	3592.15	0.0	1796.075	0.0
load	N_1800039701	constant_power_A_reac	1747.01	0.0	873.505	0.0
load	N_1800039701	constant_power_B_reac	1747.01	0.0	873.505	0.0
load	N_1800039701	constant_power_C_reac	1747.01	0.0	873.505	0.0
load	N_1800039700	constant_power_A	567.877	186.652	283.9385	93.326
load	N_1800039700	constant_power_B	567.877	186.652	283.9385	93.326
load	N_1800039700	constant_power_A_real	567.877	0.0	283.9385	0.0
load	N_1800039700	constant_power_B_real	567.877	0.0	283.9385	0.0
load	N_1800039700	constant_power_A_reac	186.652	0.0	93.326	0.0
load	N_1800039700	constant_power_B_reac	186.652	0.0	93.326	0.0
load	N_1800068471	constant_power_A	695.539	228.613	347.7695	114.3065
load	N_1800068471	constant_power_B	695.539	228.613	347.7695	114.3065
load	N_1800068471	constant_power_A_real	695.539	0.0	347.7695	0.0
load	N_1800068471	constant_power_B_real	695.539	0.0	347.7695	0.0
load	N_1800068471	constant_power_A_reac	228.613	0.0	114.3065	0.0
load	N_1800068471	constant_power_B_reac	228.613	0.0	114.3065	0.0
load	N_1800068472	constant_power_A	369.78	121.541	184.89	60.7705
load	N_1800068472	constant_power_B	369.78	121.541	184.89	60.7705
load	N_1800068472	constant_power_C	369.78	121.541	184.89	60.7705

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068472	constant_power_A_real	369.78	0.0	184.89	0.0
load	N_1800068472	constant_power_B_real	369.78	0.0	184.89	0.0
load	N_1800068472	constant_power_C_real	369.78	0.0	184.89	0.0
load	N_1800068472	constant_power_A_reac	121.541	0.0	60.7705	0.0
load	N_1800068472	constant_power_B_reac	121.541	0.0	60.7705	0.0
load	N_1800068472	constant_power_C_reac	121.541	0.0	60.7705	0.0
load	N_1800069478	constant_power_A	13.206	8.18434	6.603	4.09217
load	N_1800069478	constant_power_C	13.206	8.18434	6.603	4.09217
load	N_1800069478	constant_power_A_real	13.206	0.0	6.603	0.0
load	N_1800069478	constant_power_C_real	13.206	0.0	6.603	0.0
load	N_1800069478	constant_power_A_reac	8.18434	0.0	4.09217	0.0
load	N_1800069478	constant_power_C_reac	8.18434	0.0	4.09217	0.0
load	N_1800069476	constant_power_A	1553.96	510.761	776.98	255.3805
load	N_1800069476	constant_power_C	1553.96	510.761	776.98	255.3805
load	N_1800069476	constant_power_A_real	1553.96	0.0	776.98	0.0
load	N_1800069476	constant_power_C_real	1553.96	0.0	776.98	0.0
load	N_1800069476	constant_power_A_reac	510.761	0.0	255.3805	0.0
load	N_1800069476	constant_power_C_reac	510.761	0.0	255.3805	0.0
load	N_1800067609	constant_power_A	1325.05	435.522	662.525	217.761
load	N_1800067609	constant_power_B	1325.05	435.522	662.525	217.761
load	N_1800067609	constant_power_A_real	1325.05	0.0	662.525	0.0
load	N_1800067609	constant_power_B_real	1325.05	0.0	662.525	0.0
load	N_1800067609	constant_power_A_reac	435.522	0.0	217.761	0.0
load	N_1800067609	constant_power_B_reac	435.522	0.0	217.761	0.0
load	N_1800067608	constant_power_A	321.357	105.625	160.6785	52.8125
load	N_1800067608	constant_power_B	321.357	105.625	160.6785	52.8125
load	N_1800067608	constant_power_A_real	321.357	0.0	160.6785	0.0
load	N_1800067608	constant_power_B_real	321.357	0.0	160.6785	0.0
load	N_1800067608	constant_power_A_reac	105.625	0.0	52.8125	0.0
load	N_1800067608	constant_power_B_reac	105.625	0.0	52.8125	0.0
load	N_1800069470	constant_power_A	404.997	133.116	202.4985	66.558
load	N_1800069470	constant_power_C	404.997	133.116	202.4985	66.558
load	N_1800069470	constant_power_A_real	404.997	0.0	202.4985	0.0
load	N_1800069470	constant_power_C_real	404.997	0.0	202.4985	0.0
load	N_1800069470	constant_power_A_reac	133.116	0.0	66.558	0.0
load	N_1800069470	constant_power_C_reac	133.116	0.0	66.558	0.0
load	N_1800069471	constant_power_A	638.311	209.803	319.1555	104.9015
load	N_1800069471	constant_power_C	638.311	209.803	319.1555	104.9015
load	N_1800069471	constant_power_A_real	638.311	0.0	319.1555	0.0
load	N_1800069471	constant_power_C_real	638.311	0.0	319.1555	0.0
load	N_1800069471	constant_power_A_reac	209.803	0.0	104.9015	0.0
load	N_1800069471	constant_power_C_reac	209.803	0.0	104.9015	0.0
load	N_1800009225	constant_power_A	528.258	173.63	264.129	86.815
load	N_1800009225	constant_power_B	528.258	173.63	264.129	86.815
load	N_1800009225	constant_power_C	528.258	173.63	264.129	86.815
load	N_1800009225	constant_power_A_real	528.258	0.0	264.129	0.0
load	N_1800009225	constant_power_B_real	528.258	0.0	264.129	0.0
load	N_1800009225	constant_power_C_real	528.258	0.0	264.129	0.0
load	N_1800009225	constant_power_A_reac	173.63	0.0	86.815	0.0
load	N_1800009225	constant_power_B_reac	173.63	0.0	86.815	0.0
load	N_1800009225	constant_power_C_reac	173.63	0.0	86.815	0.0
load	N_1800206839	constant_power_A	1430.7	526.624	715.35	263.312
load	N_1800206839	constant_power_C	1430.7	526.624	715.35	263.312
load	N_1800206839	constant_power_A_real	1430.7	0.0	715.35	0.0
load	N_1800206839	constant_power_C_real	1430.7	0.0	715.35	0.0
load	N_1800206839	constant_power_A_reac	526.624	0.0	263.312	0.0
load	N_1800206839	constant_power_C_reac	526.624	0.0	263.312	0.0
load	N_1800068907	constant_power_A	748.365	245.976	374.1825	122.988
load	N_1800068907	constant_power_B	748.365	245.976	374.1825	122.988
load	N_1800068907	constant_power_A_real	748.365	0.0	374.1825	0.0
load	N_1800068907	constant_power_B_real	748.365	0.0	374.1825	0.0
load	N_1800068907	constant_power_A_reac	245.976	0.0	122.988	0.0
load	N_1800068907	constant_power_B_reac	245.976	0.0	122.988	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800009226	constant_power_A	601.627	197.745	300.8135	98.8725
load	N_1800009226	constant_power_B	601.627	197.745	300.8135	98.8725
load	N_1800009226	constant_power_C	601.627	197.745	300.8135	98.8725
load	N_1800009226	constant_power_A_real	601.627	0.0	300.8135	0.0
load	N_1800009226	constant_power_B_real	601.627	0.0	300.8135	0.0
load	N_1800009226	constant_power_C_real	601.627	0.0	300.8135	0.0
load	N_1800009226	constant_power_A_reac	197.745	0.0	98.8725	0.0
load	N_1800009226	constant_power_B_reac	197.745	0.0	98.8725	0.0
load	N_1800009226	constant_power_C_reac	197.745	0.0	98.8725	0.0
load	N_1800009229	constant_power_A	343.367	212.8	171.6835	106.4
load	N_1800009229	constant_power_B	343.367	212.8	171.6835	106.4
load	N_1800009229	constant_power_C	343.367	212.8	171.6835	106.4
load	N_1800009229	constant_power_A_real	343.367	0.0	171.6835	0.0
load	N_1800009229	constant_power_B_real	343.367	0.0	171.6835	0.0
load	N_1800009229	constant_power_C_real	343.367	0.0	171.6835	0.0
load	N_1800009229	constant_power_A_reac	212.8	0.0	106.4	0.0
load	N_1800009229	constant_power_B_reac	212.8	0.0	106.4	0.0
load	N_1800009229	constant_power_C_reac	212.8	0.0	106.4	0.0
load	N_1800069275	constant_power_A	29470.9	18264.4	14735.45	9132.2
load	N_1800069275	constant_power_B	29470.9	18264.4	14735.45	9132.2
load	N_1800069275	constant_power_C	29470.9	18264.4	14735.45	9132.2
load	N_1800069275	constant_power_A_real	29470.9	0.0	14735.45	0.0
load	N_1800069275	constant_power_B_real	29470.9	0.0	14735.45	0.0
load	N_1800069275	constant_power_C_real	29470.9	0.0	14735.45	0.0
load	N_1800069275	constant_power_A_reac	18264.4	0.0	9132.2	0.0
load	N_1800069275	constant_power_B_reac	18264.4	0.0	9132.2	0.0
load	N_1800069275	constant_power_C_reac	18264.4	0.0	9132.2	0.0
load	N_1800069271	constant_power_A	9834.39	6094.81	4917.195	3047.405
load	N_1800069271	constant_power_B	9834.39	6094.81	4917.195	3047.405
load	N_1800069271	constant_power_C	9834.39	6094.81	4917.195	3047.405
load	N_1800069271	constant_power_A_real	9834.39	0.0	4917.195	0.0
load	N_1800069271	constant_power_B_real	9834.39	0.0	4917.195	0.0
load	N_1800069271	constant_power_C_real	9834.39	0.0	4917.195	0.0
load	N_1800069271	constant_power_A_reac	6094.81	0.0	3047.405	0.0
load	N_1800069271	constant_power_B_reac	6094.81	0.0	3047.405	0.0
load	N_1800069271	constant_power_C_reac	6094.81	0.0	3047.405	0.0
load	N_1800069272	constant_power_A	2535.64	833.423	1267.82	416.7115
load	N_1800069272	constant_power_B	2535.64	833.423	1267.82	416.7115
load	N_1800069272	constant_power_A_real	2535.64	0.0	1267.82	0.0
load	N_1800069272	constant_power_B_real	2535.64	0.0	1267.82	0.0
load	N_1800069272	constant_power_A_reac	833.423	0.0	416.7115	0.0
load	N_1800069272	constant_power_B_reac	833.423	0.0	416.7115	0.0
load	N_1800008573	constant_power_A	1100.54	655.571	550.27	327.7855
load	N_1800008573	constant_power_B	1100.54	655.571	550.27	327.7855
load	N_1800008573	constant_power_C	1100.54	655.571	550.27	327.7855
load	N_1800008573	constant_power_A_real	1100.54	0.0	550.27	0.0
load	N_1800008573	constant_power_B_real	1100.54	0.0	550.27	0.0
load	N_1800008573	constant_power_C_real	1100.54	0.0	550.27	0.0
load	N_1800008573	constant_power_A_reac	655.571	0.0	327.7855	0.0
load	N_1800008573	constant_power_B_reac	655.571	0.0	327.7855	0.0
load	N_1800008573	constant_power_C_reac	655.571	0.0	327.7855	0.0
load	N_1800008574	constant_power_A	1157.76	380.539	578.88	190.2695
load	N_1800008574	constant_power_C	1157.76	380.539	578.88	190.2695
load	N_1800008574	constant_power_A_real	1157.76	0.0	578.88	0.0
load	N_1800008574	constant_power_C_real	1157.76	0.0	578.88	0.0
load	N_1800008574	constant_power_A_reac	380.539	0.0	190.2695	0.0
load	N_1800008574	constant_power_C_reac	380.539	0.0	190.2695	0.0
load	N_1800008575	constant_power_A	2416.78	794.357	1208.39	397.1785
load	N_1800008575	constant_power_C	2416.78	794.357	1208.39	397.1785
load	N_1800008575	constant_power_A_real	2416.78	0.0	1208.39	0.0
load	N_1800008575	constant_power_C_real	2416.78	0.0	1208.39	0.0
load	N_1800008575	constant_power_A_reac	794.357	0.0	397.1785	0.0
load	N_1800008575	constant_power_C_reac	794.357	0.0	397.1785	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031176	constant_power_A	2923.03	960.752	1461.515	480.376
load	N_1800031176	constant_power_A_real	2923.03	0.0	1461.515	0.0
load	N_1800031176	constant_power_A_reac	960.752	0.0	480.376	0.0
load	N_1800038942	constant_power_A	2685.31	891.587	1342.655	445.7935
load	N_1800038942	constant_power_B	2685.31	891.587	1342.655	445.7935
load	N_1800038942	constant_power_A_real	2685.31	0.0	1342.655	0.0
load	N_1800038942	constant_power_B_real	2685.31	0.0	1342.655	0.0
load	N_1800038942	constant_power_A_reac	891.587	0.0	445.7935	0.0
load	N_1800038942	constant_power_B_reac	891.587	0.0	445.7935	0.0
load	N_1800068494	constant_power_A	3407.26	1119.91	1703.63	559.955
load	N_1800068494	constant_power_B	3407.26	1119.91	1703.63	559.955
load	N_1800068494	constant_power_A_real	3407.26	0.0	1703.63	0.0
load	N_1800068494	constant_power_B_real	3407.26	0.0	1703.63	0.0
load	N_1800068494	constant_power_A_reac	1119.91	0.0	559.955	0.0
load	N_1800068494	constant_power_B_reac	1119.91	0.0	559.955	0.0
load	N_1800068493	constant_power_A	2861.39	940.495	1430.695	470.2475
load	N_1800068493	constant_power_B	2861.39	940.495	1430.695	470.2475
load	N_1800068493	constant_power_A_real	2861.39	0.0	1430.695	0.0
load	N_1800068493	constant_power_B_real	2861.39	0.0	1430.695	0.0
load	N_1800068493	constant_power_A_reac	940.495	0.0	470.2475	0.0
load	N_1800068493	constant_power_B_reac	940.495	0.0	470.2475	0.0
load	N_1800038945	constant_power_A	2262.7	743.715	1131.35	371.8575
load	N_1800038945	constant_power_B	2262.7	743.715	1131.35	371.8575
load	N_1800038945	constant_power_A_real	2262.7	0.0	1131.35	0.0
load	N_1800038945	constant_power_B_real	2262.7	0.0	1131.35	0.0
load	N_1800038945	constant_power_A_reac	743.715	0.0	371.8575	0.0
load	N_1800038945	constant_power_B_reac	743.715	0.0	371.8575	0.0
load	N_1800038946	constant_power_A	101.249	33.2789	50.6245	16.63945
load	N_1800038946	constant_power_B	101.249	33.2789	50.6245	16.63945
load	N_1800038946	constant_power_A_real	101.249	0.0	50.6245	0.0
load	N_1800038946	constant_power_B_real	101.249	0.0	50.6245	0.0
load	N_1800038946	constant_power_A_reac	33.2789	0.0	16.63945	0.0
load	N_1800038946	constant_power_B_reac	33.2789	0.0	16.63945	0.0
load	N_1800038947	constant_power_A	2236.29	735.033	1118.145	367.5165
load	N_1800038947	constant_power_B	2236.29	735.033	1118.145	367.5165
load	N_1800038947	constant_power_A_real	2236.29	0.0	1118.145	0.0
load	N_1800038947	constant_power_B_real	2236.29	0.0	1118.145	0.0
load	N_1800038947	constant_power_A_reac	735.033	0.0	367.5165	0.0
load	N_1800038947	constant_power_B_reac	735.033	0.0	367.5165	0.0
load	N_1800200469	constant_power_A	1844.5	1143.12	922.25	571.56
load	N_1800200469	constant_power_C	1844.5	1143.12	922.25	571.56
load	N_1800200469	constant_power_A_real	1844.5	0.0	922.25	0.0
load	N_1800200469	constant_power_C_real	1844.5	0.0	922.25	0.0
load	N_1800200469	constant_power_A_reac	1143.12	0.0	571.56	0.0
load	N_1800200469	constant_power_C_reac	1143.12	0.0	571.56	0.0
load	N_1800041125	constant_power_A	12145.5	4075.32	6072.75	2037.66
load	N_1800041125	constant_power_B	12145.5	4075.32	6072.75	2037.66
load	N_1800041125	constant_power_A_real	12145.5	0.0	6072.75	0.0
load	N_1800041125	constant_power_B_real	12145.5	0.0	6072.75	0.0
load	N_1800041125	constant_power_A_reac	4075.32	0.0	2037.66	0.0
load	N_1800041125	constant_power_B_reac	4075.32	0.0	2037.66	0.0
load	N_1800067733	constant_power_A	554.67	182.311	277.335	91.1555
load	N_1800067733	constant_power_B	554.67	182.311	277.335	91.1555
load	N_1800067733	constant_power_A_real	554.67	0.0	277.335	0.0
load	N_1800067733	constant_power_B_real	554.67	0.0	277.335	0.0
load	N_1800067733	constant_power_A_reac	182.311	0.0	91.1555	0.0
load	N_1800067733	constant_power_B_reac	182.311	0.0	91.1555	0.0
load	N_1800068012	constant_power_A	1118.14	367.516	559.07	183.758
load	N_1800068012	constant_power_B	1118.14	367.516	559.07	183.758
load	N_1800068012	constant_power_A_real	1118.14	0.0	559.07	0.0
load	N_1800068012	constant_power_B_real	1118.14	0.0	559.07	0.0
load	N_1800068012	constant_power_A_reac	367.516	0.0	183.758	0.0
load	N_1800068012	constant_power_B_reac	367.516	0.0	183.758	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068011	constant_power_A	7489.52	4641.59	3744.76	2320.795
load	N_1800068011	constant_power_B	7489.52	4641.59	3744.76	2320.795
load	N_1800068011	constant_power_C	7489.52	4641.59	3744.76	2320.795
load	N_1800068011	constant_power_A_real	7489.52	0.0	3744.76	0.0
load	N_1800068011	constant_power_B_real	7489.52	0.0	3744.76	0.0
load	N_1800068011	constant_power_C_real	7489.52	0.0	3744.76	0.0
load	N_1800068011	constant_power_A_reac	4641.59	0.0	2320.795	0.0
load	N_1800068011	constant_power_B_reac	4641.59	0.0	2320.795	0.0
load	N_1800068011	constant_power_C_reac	4641.59	0.0	2320.795	0.0
load	N_1800068010	constant_power_A	155.542	96.3965	77.771	48.19825
load	N_1800068010	constant_power_B	155.542	96.3965	77.771	48.19825
load	N_1800068010	constant_power_C	155.542	96.3965	77.771	48.19825
load	N_1800068010	constant_power_A_real	155.542	0.0	77.771	0.0
load	N_1800068010	constant_power_B_real	155.542	0.0	77.771	0.0
load	N_1800068010	constant_power_C_real	155.542	0.0	77.771	0.0
load	N_1800068010	constant_power_A_reac	96.3965	0.0	48.19825	0.0
load	N_1800068010	constant_power_B_reac	96.3965	0.0	48.19825	0.0
load	N_1800068010	constant_power_C_reac	96.3965	0.0	48.19825	0.0
load	N_1800068879	constant_power_A	1866.51	718.558	933.255	359.279
load	N_1800068879	constant_power_C	1866.51	718.558	933.255	359.279
load	N_1800068879	constant_power_A_real	1866.51	0.0	933.255	0.0
load	N_1800068879	constant_power_C_real	1866.51	0.0	933.255	0.0
load	N_1800068879	constant_power_A_reac	718.558	0.0	359.279	0.0
load	N_1800068879	constant_power_C_reac	718.558	0.0	359.279	0.0
load	N_1800068878	constant_power_A	1998.57	656.9	999.285	328.45
load	N_1800068878	constant_power_C	1998.57	656.9	999.285	328.45
load	N_1800068878	constant_power_A_real	1998.57	0.0	999.285	0.0
load	N_1800068878	constant_power_C_real	1998.57	0.0	999.285	0.0
load	N_1800068878	constant_power_A_reac	656.9	0.0	328.45	0.0
load	N_1800068878	constant_power_C_reac	656.9	0.0	328.45	0.0
load	N_1800068015	constant_power_A	11137.4	3660.7	5568.7	1830.35
load	N_1800068015	constant_power_B	11137.4	3660.7	5568.7	1830.35
load	N_1800068015	constant_power_A_real	11137.4	0.0	5568.7	0.0
load	N_1800068015	constant_power_B_real	11137.4	0.0	5568.7	0.0
load	N_1800068015	constant_power_A_reac	3660.7	0.0	1830.35	0.0
load	N_1800068015	constant_power_B_reac	3660.7	0.0	1830.35	0.0
load	N_1800068877	constant_power_A	1188.58	390.667	594.29	195.3335
load	N_1800068877	constant_power_C	1188.58	390.667	594.29	195.3335
load	N_1800068877	constant_power_A_real	1188.58	0.0	594.29	0.0
load	N_1800068877	constant_power_C_real	1188.58	0.0	594.29	0.0
load	N_1800068877	constant_power_A_reac	390.667	0.0	195.3335	0.0
load	N_1800068877	constant_power_C_reac	390.667	0.0	195.3335	0.0
load	N_1800072965	constant_power_A	924.451	303.852	462.2255	151.926
load	N_1800072965	constant_power_B	924.451	303.852	462.2255	151.926
load	N_1800072965	constant_power_A_real	924.451	0.0	462.2255	0.0
load	N_1800072965	constant_power_B_real	924.451	0.0	462.2255	0.0
load	N_1800072965	constant_power_A_reac	303.852	0.0	151.926	0.0
load	N_1800072965	constant_power_B_reac	303.852	0.0	151.926	0.0
load	N_1800005460	constant_power_A	2790.96	925.886	1395.48	462.943
load	N_1800005460	constant_power_B	2790.96	925.886	1395.48	462.943
load	N_1800005460	constant_power_C	2790.96	925.886	1395.48	462.943
load	N_1800005460	constant_power_A_real	2790.96	0.0	1395.48	0.0
load	N_1800005460	constant_power_B_real	2790.96	0.0	1395.48	0.0
load	N_1800005460	constant_power_C_real	2790.96	0.0	1395.48	0.0
load	N_1800005460	constant_power_A_reac	925.886	0.0	462.943	0.0
load	N_1800005460	constant_power_B_reac	925.886	0.0	462.943	0.0
load	N_1800005460	constant_power_C_reac	925.886	0.0	462.943	0.0
load	N_1800028646	constant_power_A	4014.76	1319.59	2007.38	659.795
load	N_1800028646	constant_power_B	4014.76	1319.59	2007.38	659.795
load	N_1800028646	constant_power_A_real	4014.76	0.0	2007.38	0.0
load	N_1800028646	constant_power_B_real	4014.76	0.0	2007.38	0.0
load	N_1800028646	constant_power_A_reac	1319.59	0.0	659.795	0.0
load	N_1800028646	constant_power_B_reac	1319.59	0.0	659.795	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800028645	constant_power_A	3266.39	1073.61	1633.195	536.805
load	N_1800028645	constant_power_B	3266.39	1073.61	1633.195	536.805
load	N_1800028645	constant_power_A_real	3266.39	0.0	1633.195	0.0
load	N_1800028645	constant_power_B_real	3266.39	0.0	1633.195	0.0
load	N_1800028645	constant_power_A_reac	1073.61	0.0	536.805	0.0
load	N_1800028645	constant_power_B_reac	1073.61	0.0	536.805	0.0
load	N_1800079200	constant_power_A	1589.17	522.337	794.585	261.1685
load	N_1800079200	constant_power_B	1589.17	522.337	794.585	261.1685
load	N_1800079200	constant_power_A_real	1589.17	0.0	794.585	0.0
load	N_1800079200	constant_power_B_real	1589.17	0.0	794.585	0.0
load	N_1800079200	constant_power_A_reac	522.337	0.0	261.1685	0.0
load	N_1800079200	constant_power_B_reac	522.337	0.0	261.1685	0.0
load	N_1800079202	constant_power_A	31333.3	19418.7	15666.65	9709.35
load	N_1800079202	constant_power_B	31333.3	19418.7	15666.65	9709.35
load	N_1800079202	constant_power_C	31333.3	19418.7	15666.65	9709.35
load	N_1800079202	constant_power_A_real	31333.3	0.0	15666.65	0.0
load	N_1800079202	constant_power_B_real	31333.3	0.0	15666.65	0.0
load	N_1800079202	constant_power_C_real	31333.3	0.0	15666.65	0.0
load	N_1800079202	constant_power_A_reac	19418.7	0.0	9709.35	0.0
load	N_1800079202	constant_power_B_reac	19418.7	0.0	9709.35	0.0
load	N_1800079202	constant_power_C_reac	19418.7	0.0	9709.35	0.0
load	N_1800070849	constant_power_A	1831.29	601.917	915.645	300.9585
load	N_1800070849	constant_power_B	1831.29	601.917	915.645	300.9585
load	N_1800070849	constant_power_A_real	1831.29	0.0	915.645	0.0
load	N_1800070849	constant_power_B_real	1831.29	0.0	915.645	0.0
load	N_1800070849	constant_power_A_reac	601.917	0.0	300.9585	0.0
load	N_1800070849	constant_power_B_reac	601.917	0.0	300.9585	0.0
load	N_1800022342	constant_power_A	1637.6	538.253	818.8	269.1265
load	N_1800022342	constant_power_B	1637.6	538.253	818.8	269.1265
load	N_1800022342	constant_power_C	1637.6	538.253	818.8	269.1265
load	N_1800022342	constant_power_A_real	1637.6	0.0	818.8	0.0
load	N_1800022342	constant_power_B_real	1637.6	0.0	818.8	0.0
load	N_1800022342	constant_power_C_real	1637.6	0.0	818.8	0.0
load	N_1800022342	constant_power_A_reac	538.253	0.0	269.1265	0.0
load	N_1800022342	constant_power_B_reac	538.253	0.0	269.1265	0.0
load	N_1800022342	constant_power_C_reac	538.253	0.0	269.1265	0.0
load	N_1800009172	constant_power_A	440.215	144.692	220.1075	72.346
load	N_1800009172	constant_power_B	440.215	144.692	220.1075	72.346
load	N_1800009172	constant_power_A_real	440.215	0.0	220.1075	0.0
load	N_1800009172	constant_power_B_real	440.215	0.0	220.1075	0.0
load	N_1800009172	constant_power_A_reac	144.692	0.0	72.346	0.0
load	N_1800009172	constant_power_B_reac	144.692	0.0	72.346	0.0
load	N_1800067453	constant_power_A	1989.77	654.006	994.885	327.003
load	N_1800067453	constant_power_B	1989.77	654.006	994.885	327.003
load	N_1800067453	constant_power_A_real	1989.77	0.0	994.885	0.0
load	N_1800067453	constant_power_B_real	1989.77	0.0	994.885	0.0
load	N_1800067453	constant_power_A_reac	654.006	0.0	327.003	0.0
load	N_1800067453	constant_power_B_reac	654.006	0.0	327.003	0.0
load	N_1800067451	constant_power_A	3816.66	1254.48	1908.33	627.24
load	N_1800067451	constant_power_B	3816.66	1254.48	1908.33	627.24
load	N_1800067451	constant_power_A_real	3816.66	0.0	1908.33	0.0
load	N_1800067451	constant_power_B_real	3816.66	0.0	1908.33	0.0
load	N_1800067451	constant_power_A_reac	1254.48	0.0	627.24	0.0
load	N_1800067451	constant_power_B_reac	1254.48	0.0	627.24	0.0
load	N_1800067457	constant_power_A	435.812	143.244	217.906	71.622
load	N_1800067457	constant_power_B	435.812	143.244	217.906	71.622
load	N_1800067457	constant_power_A_real	435.812	0.0	217.906	0.0
load	N_1800067457	constant_power_B_real	435.812	0.0	217.906	0.0
load	N_1800067457	constant_power_A_reac	143.244	0.0	71.622	0.0
load	N_1800067457	constant_power_B_reac	143.244	0.0	71.622	0.0
load	N_1800068391	constant_power_A	994.885	327.003	497.4425	163.5015
load	N_1800068391	constant_power_B	994.885	327.003	497.4425	163.5015
load	N_1800068391	constant_power_C	994.885	327.003	497.4425	163.5015

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068391	constant_power_A_real	994.885	0.0	497.4425	0.0
load	N_1800068391	constant_power_B_real	994.885	0.0	497.4425	0.0
load	N_1800068391	constant_power_C_real	994.885	0.0	497.4425	0.0
load	N_1800068391	constant_power_A_reac	327.003	0.0	163.5015	0.0
load	N_1800068391	constant_power_B_reac	327.003	0.0	163.5015	0.0
load	N_1800068391	constant_power_C_reac	327.003	0.0	163.5015	0.0
load	N_1800037621	constant_power_A	85.108	52.7452	42.554	26.3726
load	N_1800037621	constant_power_B	85.108	52.7452	42.554	26.3726
load	N_1800037621	constant_power_C	85.108	52.7452	42.554	26.3726
load	N_1800037621	constant_power_A_real	85.108	0.0	42.554	0.0
load	N_1800037621	constant_power_B_real	85.108	0.0	42.554	0.0
load	N_1800037621	constant_power_C_real	85.108	0.0	42.554	0.0
load	N_1800037621	constant_power_A_reac	52.7452	0.0	26.3726	0.0
load	N_1800037621	constant_power_B_reac	52.7452	0.0	26.3726	0.0
load	N_1800037621	constant_power_C_reac	52.7452	0.0	26.3726	0.0
load	N_1800067458	constant_power_A	1540.75	692.207	770.375	346.1035
load	N_1800067458	constant_power_B	1540.75	692.207	770.375	346.1035
load	N_1800067458	constant_power_A_real	1540.75	0.0	770.375	0.0
load	N_1800067458	constant_power_B_real	1540.75	0.0	770.375	0.0
load	N_1800067458	constant_power_A_reac	692.207	0.0	346.1035	0.0
load	N_1800067458	constant_power_B_reac	692.207	0.0	346.1035	0.0
load	N_1800014119	constant_power_A	114.456	37.6199	57.228	18.80995
load	N_1800014119	constant_power_C	114.456	37.6199	57.228	18.80995
load	N_1800014119	constant_power_A_real	114.456	0.0	57.228	0.0
load	N_1800014119	constant_power_C_real	114.456	0.0	57.228	0.0
load	N_1800014119	constant_power_A_reac	37.6199	0.0	18.80995	0.0
load	N_1800014119	constant_power_C_reac	37.6199	0.0	18.80995	0.0
load	N_1800061670	constant_power_A	633.909	208.356	316.9545	104.178
load	N_1800061670	constant_power_B	633.909	208.356	316.9545	104.178
load	N_1800061670	constant_power_A_real	633.909	0.0	316.9545	0.0
load	N_1800061670	constant_power_B_real	633.909	0.0	316.9545	0.0
load	N_1800061670	constant_power_A_reac	208.356	0.0	104.178	0.0
load	N_1800061670	constant_power_B_reac	208.356	0.0	104.178	0.0
load	N_1800061671	constant_power_A	795.321	261.409	397.6605	130.7045
load	N_1800061671	constant_power_B	795.321	261.409	397.6605	130.7045
load	N_1800061671	constant_power_C	795.321	261.409	397.6605	130.7045
load	N_1800061671	constant_power_A_real	795.321	0.0	397.6605	0.0
load	N_1800061671	constant_power_B_real	795.321	0.0	397.6605	0.0
load	N_1800061671	constant_power_C_real	795.321	0.0	397.6605	0.0
load	N_1800061671	constant_power_A_reac	261.409	0.0	130.7045	0.0
load	N_1800061671	constant_power_B_reac	261.409	0.0	130.7045	0.0
load	N_1800061671	constant_power_C_reac	261.409	0.0	130.7045	0.0
load	N_1800022315	constant_power_A	884.831	290.83	442.4155	145.415
load	N_1800022315	constant_power_B	884.831	290.83	442.4155	145.415
load	N_1800022315	constant_power_A_real	884.831	0.0	442.4155	0.0
load	N_1800022315	constant_power_B_real	884.831	0.0	442.4155	0.0
load	N_1800022315	constant_power_A_reac	290.83	0.0	145.415	0.0
load	N_1800022315	constant_power_B_reac	290.83	0.0	145.415	0.0
load	N_1800026572	constant_power_A	1391.08	457.225	695.54	228.6125
load	N_1800026572	constant_power_B	1391.08	457.225	695.54	228.6125
load	N_1800026572	constant_power_A_real	1391.08	0.0	695.54	0.0
load	N_1800026572	constant_power_B_real	1391.08	0.0	695.54	0.0
load	N_1800026572	constant_power_A_reac	457.225	0.0	228.6125	0.0
load	N_1800026572	constant_power_B_reac	457.225	0.0	228.6125	0.0
load	N_1800026570	constant_power_A	8516.68	5278.17	4258.34	2639.085
load	N_1800026570	constant_power_B	8516.68	5278.17	4258.34	2639.085
load	N_1800026570	constant_power_C	8516.68	5278.17	4258.34	2639.085
load	N_1800026570	constant_power_A_real	8516.68	0.0	4258.34	0.0
load	N_1800026570	constant_power_B_real	8516.68	0.0	4258.34	0.0
load	N_1800026570	constant_power_C_real	8516.68	0.0	4258.34	0.0
load	N_1800026570	constant_power_A_reac	5278.17	0.0	2639.085	0.0
load	N_1800026570	constant_power_B_reac	5278.17	0.0	2639.085	0.0
load	N_1800026570	constant_power_C_reac	5278.17	0.0	2639.085	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069039	constant_power_A	319.889	105.143	159.9445	52.5715
load	N_1800069039	constant_power_B	319.889	105.143	159.9445	52.5715
load	N_1800069039	constant_power_C	319.889	105.143	159.9445	52.5715
load	N_1800069039	constant_power_A_real	319.889	0.0	159.9445	0.0
load	N_1800069039	constant_power_B_real	319.889	0.0	159.9445	0.0
load	N_1800069039	constant_power_C_real	319.889	0.0	159.9445	0.0
load	N_1800069039	constant_power_A_reac	105.143	0.0	52.5715	0.0
load	N_1800069039	constant_power_B_reac	105.143	0.0	52.5715	0.0
load	N_1800069039	constant_power_C_reac	105.143	0.0	52.5715	0.0
load	N_1800041947	constant_power_A	2315.53	761.078	1157.765	380.539
load	N_1800041947	constant_power_B	2315.53	761.078	1157.765	380.539
load	N_1800041947	constant_power_A_real	2315.53	0.0	1157.765	0.0
load	N_1800041947	constant_power_B_real	2315.53	0.0	1157.765	0.0
load	N_1800041947	constant_power_A_reac	761.078	0.0	380.539	0.0
load	N_1800041947	constant_power_B_reac	761.078	0.0	380.539	0.0
load	N_1800040458	constant_power_A	1936.94	669.102	968.47	334.551
load	N_1800040458	constant_power_B	1936.94	669.102	968.47	334.551
load	N_1800040458	constant_power_C	1936.94	669.102	968.47	334.551
load	N_1800040458	constant_power_A_real	1936.94	0.0	968.47	0.0
load	N_1800040458	constant_power_B_real	1936.94	0.0	968.47	0.0
load	N_1800040458	constant_power_C_real	1936.94	0.0	968.47	0.0
load	N_1800040458	constant_power_A_reac	669.102	0.0	334.551	0.0
load	N_1800040458	constant_power_B_reac	669.102	0.0	334.551	0.0
load	N_1800040458	constant_power_C_reac	669.102	0.0	334.551	0.0
load	N_1800013930	constant_power_A	290.542	95.4964	145.271	47.7482
load	N_1800013930	constant_power_B	290.542	95.4964	145.271	47.7482
load	N_1800013930	constant_power_C	290.542	95.4964	145.271	47.7482
load	N_1800013930	constant_power_A_real	290.542	0.0	145.271	0.0
load	N_1800013930	constant_power_B_real	290.542	0.0	145.271	0.0
load	N_1800013930	constant_power_C_real	290.542	0.0	145.271	0.0
load	N_1800013930	constant_power_A_reac	95.4964	0.0	47.7482	0.0
load	N_1800013930	constant_power_B_reac	95.4964	0.0	47.7482	0.0
load	N_1800013930	constant_power_C_reac	95.4964	0.0	47.7482	0.0
load	N_1800061708	constant_power_A	660.322	217.037	330.161	108.5185
load	N_1800061708	constant_power_B	660.322	217.037	330.161	108.5185
load	N_1800061708	constant_power_C	660.322	217.037	330.161	108.5185
load	N_1800061708	constant_power_A_real	660.322	0.0	330.161	0.0
load	N_1800061708	constant_power_B_real	660.322	0.0	330.161	0.0
load	N_1800061708	constant_power_C_real	660.322	0.0	330.161	0.0
load	N_1800061708	constant_power_A_reac	217.037	0.0	108.5185	0.0
load	N_1800061708	constant_power_B_reac	217.037	0.0	108.5185	0.0
load	N_1800061708	constant_power_C_reac	217.037	0.0	108.5185	0.0
load	N_1800073893	constant_power_A	4393.34	1444.02	2196.67	722.01
load	N_1800073893	constant_power_B	4393.34	1444.02	2196.67	722.01
load	N_1800073893	constant_power_A_real	4393.34	0.0	2196.67	0.0
load	N_1800073893	constant_power_B_real	4393.34	0.0	2196.67	0.0
load	N_1800073893	constant_power_A_reac	1444.02	0.0	722.01	0.0
load	N_1800073893	constant_power_B_reac	1444.02	0.0	722.01	0.0
load	N_1800061705	constant_power_A	1640.53	539.217	820.265	269.6085
load	N_1800061705	constant_power_B	1640.53	539.217	820.265	269.6085
load	N_1800061705	constant_power_C	1640.53	539.217	820.265	269.6085
load	N_1800061705	constant_power_A_real	1640.53	0.0	820.265	0.0
load	N_1800061705	constant_power_B_real	1640.53	0.0	820.265	0.0
load	N_1800061705	constant_power_C_real	1640.53	0.0	820.265	0.0
load	N_1800061705	constant_power_A_reac	539.217	0.0	269.6085	0.0
load	N_1800061705	constant_power_B_reac	539.217	0.0	269.6085	0.0
load	N_1800061705	constant_power_C_reac	539.217	0.0	269.6085	0.0
load	N_1800073890	constant_power_A	814.397	267.679	407.1985	133.8395
load	N_1800073890	constant_power_C	814.397	267.679	407.1985	133.8395
load	N_1800073890	constant_power_A_real	814.397	0.0	407.1985	0.0
load	N_1800073890	constant_power_C_real	814.397	0.0	407.1985	0.0
load	N_1800073890	constant_power_A_reac	267.679	0.0	133.8395	0.0
load	N_1800073890	constant_power_C_reac	267.679	0.0	133.8395	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073897	constant_power_A	1008.09	331.343	504.045	165.6715
load	N_1800073897	constant_power_C	1008.09	331.343	504.045	165.6715
load	N_1800073897	constant_power_A_real	1008.09	0.0	504.045	0.0
load	N_1800073897	constant_power_C_real	1008.09	0.0	504.045	0.0
load	N_1800073897	constant_power_A_reac	331.343	0.0	165.6715	0.0
load	N_1800073897	constant_power_C_reac	331.343	0.0	165.6715	0.0
load	N_1800061701	constant_power_A	589.888	193.887	294.944	96.9435
load	N_1800061701	constant_power_B	589.888	193.887	294.944	96.9435
load	N_1800061701	constant_power_C	589.888	193.887	294.944	96.9435
load	N_1800061701	constant_power_A_real	589.888	0.0	294.944	0.0
load	N_1800061701	constant_power_B_real	589.888	0.0	294.944	0.0
load	N_1800061701	constant_power_C_real	589.888	0.0	294.944	0.0
load	N_1800061701	constant_power_A_reac	193.887	0.0	96.9435	0.0
load	N_1800061701	constant_power_B_reac	193.887	0.0	96.9435	0.0
load	N_1800061701	constant_power_C_reac	193.887	0.0	96.9435	0.0
load	N_1800061702	constant_power_A	1159.23	381.021	579.615	190.5105
load	N_1800061702	constant_power_B	1159.23	381.021	579.615	190.5105
load	N_1800061702	constant_power_C	1159.23	381.021	579.615	190.5105
load	N_1800061702	constant_power_A_real	1159.23	0.0	579.615	0.0
load	N_1800061702	constant_power_B_real	1159.23	0.0	579.615	0.0
load	N_1800061702	constant_power_C_real	1159.23	0.0	579.615	0.0
load	N_1800061702	constant_power_A_reac	381.021	0.0	190.5105	0.0
load	N_1800061702	constant_power_B_reac	381.021	0.0	190.5105	0.0
load	N_1800061702	constant_power_C_reac	381.021	0.0	190.5105	0.0
load	N_1800073894	constant_power_A	1386.68	455.778	693.34	227.889
load	N_1800073894	constant_power_C	1386.68	455.778	693.34	227.889
load	N_1800073894	constant_power_A_real	1386.68	0.0	693.34	0.0
load	N_1800073894	constant_power_C_real	1386.68	0.0	693.34	0.0
load	N_1800073894	constant_power_A_reac	455.778	0.0	227.889	0.0
load	N_1800073894	constant_power_C_reac	455.778	0.0	227.889	0.0
load	N_1800068479	constant_power_A	1232.6	405.136	616.3	202.568
load	N_1800068479	constant_power_B	1232.6	405.136	616.3	202.568
load	N_1800068479	constant_power_A_real	1232.6	0.0	616.3	0.0
load	N_1800068479	constant_power_B_real	1232.6	0.0	616.3	0.0
load	N_1800068479	constant_power_A_reac	405.136	0.0	202.568	0.0
load	N_1800068479	constant_power_B_reac	405.136	0.0	202.568	0.0
load	N_1800071959	constant_power_A	220.107	72.3457	110.0535	36.17285
load	N_1800071959	constant_power_B	220.107	72.3457	110.0535	36.17285
load	N_1800071959	constant_power_A_real	220.107	0.0	110.0535	0.0
load	N_1800071959	constant_power_B_real	220.107	0.0	110.0535	0.0
load	N_1800071959	constant_power_A_reac	72.3457	0.0	36.17285	0.0
load	N_1800071959	constant_power_B_reac	72.3457	0.0	36.17285	0.0
load	N_1800071950	constant_power_A	519.453	170.736	259.7265	85.368
load	N_1800071950	constant_power_B	519.453	170.736	259.7265	85.368
load	N_1800071950	constant_power_A_real	519.453	0.0	259.7265	0.0
load	N_1800071950	constant_power_B_real	519.453	0.0	259.7265	0.0
load	N_1800071950	constant_power_A_reac	170.736	0.0	85.368	0.0
load	N_1800071950	constant_power_B_reac	170.736	0.0	85.368	0.0
load	N_1800071953	constant_power_A	360.976	118.647	180.488	59.3235
load	N_1800071953	constant_power_B	360.976	118.647	180.488	59.3235
load	N_1800071953	constant_power_C	360.976	118.647	180.488	59.3235
load	N_1800071953	constant_power_A_real	360.976	0.0	180.488	0.0
load	N_1800071953	constant_power_B_real	360.976	0.0	180.488	0.0
load	N_1800071953	constant_power_C_real	360.976	0.0	180.488	0.0
load	N_1800071953	constant_power_A_reac	118.647	0.0	59.3235	0.0
load	N_1800071953	constant_power_B_reac	118.647	0.0	59.3235	0.0
load	N_1800071953	constant_power_C_reac	118.647	0.0	59.3235	0.0
load	N_1800021326	constant_power_A	3454.22	2106.56	1727.11	1053.28
load	N_1800021326	constant_power_B	3454.22	2106.56	1727.11	1053.28
load	N_1800021326	constant_power_C	3454.22	2106.56	1727.11	1053.28
load	N_1800021326	constant_power_A_real	3454.22	0.0	1727.11	0.0
load	N_1800021326	constant_power_B_real	3454.22	0.0	1727.11	0.0
load	N_1800021326	constant_power_C_real	3454.22	0.0	1727.11	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800021326	constant_power_A_reac	2106.56	0.0	1053.28	0.0
load	N_1800021326	constant_power_B_reac	2106.56	0.0	1053.28	0.0
load	N_1800021326	constant_power_C_reac	2106.56	0.0	1053.28	0.0
load	N_1800030408	constant_power_A	595.757	195.816	297.8785	97.908
load	N_1800030408	constant_power_B	595.757	195.816	297.8785	97.908
load	N_1800030408	constant_power_C	595.757	195.816	297.8785	97.908
load	N_1800030408	constant_power_A_real	595.757	0.0	297.8785	0.0
load	N_1800030408	constant_power_B_real	595.757	0.0	297.8785	0.0
load	N_1800030408	constant_power_C_real	595.757	0.0	297.8785	0.0
load	N_1800030408	constant_power_A_reac	195.816	0.0	97.908	0.0
load	N_1800030408	constant_power_B_reac	195.816	0.0	97.908	0.0
load	N_1800030408	constant_power_C_reac	195.816	0.0	97.908	0.0
load	N_1800024900	constant_power_A	5410.24	1778.26	2705.12	889.13
load	N_1800024900	constant_power_B	5410.24	1778.26	2705.12	889.13
load	N_1800024900	constant_power_A_real	5410.24	0.0	2705.12	0.0
load	N_1800024900	constant_power_B_real	5410.24	0.0	2705.12	0.0
load	N_1800024900	constant_power_A_reac	1778.26	0.0	889.13	0.0
load	N_1800024900	constant_power_B_reac	1778.26	0.0	889.13	0.0
load	N_1800007429	constant_power_A	2221.62	730.21	1110.81	365.105
load	N_1800007429	constant_power_B	2221.62	730.21	1110.81	365.105
load	N_1800007429	constant_power_C	2221.62	730.21	1110.81	365.105
load	N_1800007429	constant_power_A_real	2221.62	0.0	1110.81	0.0
load	N_1800007429	constant_power_B_real	2221.62	0.0	1110.81	0.0
load	N_1800007429	constant_power_C_real	2221.62	0.0	1110.81	0.0
load	N_1800007429	constant_power_A_reac	730.21	0.0	365.105	0.0
load	N_1800007429	constant_power_B_reac	730.21	0.0	365.105	0.0
load	N_1800007429	constant_power_C_reac	730.21	0.0	365.105	0.0
load	N_1800007428	constant_power_A	1743.25	572.979	871.625	286.4895
load	N_1800007428	constant_power_B	1743.25	572.979	871.625	286.4895
load	N_1800007428	constant_power_A_real	1743.25	0.0	871.625	0.0
load	N_1800007428	constant_power_B_real	1743.25	0.0	871.625	0.0
load	N_1800007428	constant_power_A_reac	572.979	0.0	286.4895	0.0
load	N_1800007428	constant_power_B_reac	572.979	0.0	286.4895	0.0
load	N_1800043760	constant_power_A	1003.69	329.897	501.845	164.9485
load	N_1800043760	constant_power_B	1003.69	329.897	501.845	164.9485
load	N_1800043760	constant_power_C	1003.69	329.897	501.845	164.9485
load	N_1800043760	constant_power_A_real	1003.69	0.0	501.845	0.0
load	N_1800043760	constant_power_B_real	1003.69	0.0	501.845	0.0
load	N_1800043760	constant_power_C_real	1003.69	0.0	501.845	0.0
load	N_1800043760	constant_power_A_reac	329.897	0.0	164.9485	0.0
load	N_1800043760	constant_power_B_reac	329.897	0.0	164.9485	0.0
load	N_1800043760	constant_power_C_reac	329.897	0.0	164.9485	0.0
load	N_1800043761	constant_power_A	880.429	289.383	440.2145	144.6915
load	N_1800043761	constant_power_B	880.429	289.383	440.2145	144.6915
load	N_1800043761	constant_power_A_real	880.429	0.0	440.2145	0.0
load	N_1800043761	constant_power_B_real	880.429	0.0	440.2145	0.0
load	N_1800043761	constant_power_A_reac	289.383	0.0	144.6915	0.0
load	N_1800043761	constant_power_B_reac	289.383	0.0	144.6915	0.0
load	N_1800007427	constant_power_A	3034.55	1669.66	1517.275	834.83
load	N_1800007427	constant_power_B	3034.55	1669.66	1517.275	834.83
load	N_1800007427	constant_power_C	3034.55	1669.66	1517.275	834.83
load	N_1800007427	constant_power_A_real	3034.55	0.0	1517.275	0.0
load	N_1800007427	constant_power_B_real	3034.55	0.0	1517.275	0.0
load	N_1800007427	constant_power_C_real	3034.55	0.0	1517.275	0.0
load	N_1800007427	constant_power_A_reac	1669.66	0.0	834.83	0.0
load	N_1800007427	constant_power_B_reac	1669.66	0.0	834.83	0.0
load	N_1800007427	constant_power_C_reac	1669.66	0.0	834.83	0.0
load	N_1800031375	constant_power_A	663.257	218.002	331.6285	109.001
load	N_1800031375	constant_power_B	663.257	218.002	331.6285	109.001
load	N_1800031375	constant_power_C	663.257	218.002	331.6285	109.001
load	N_1800031375	constant_power_A_real	663.257	0.0	331.6285	0.0
load	N_1800031375	constant_power_B_real	663.257	0.0	331.6285	0.0
load	N_1800031375	constant_power_C_real	663.257	0.0	331.6285	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031375	constant_power_A_reac	218.002	0.0	109.001	0.0
load	N_1800031375	constant_power_B_reac	218.002	0.0	109.001	0.0
load	N_1800031375	constant_power_C_reac	218.002	0.0	109.001	0.0
load	N_1800031376	constant_power_A	1790.21	588.412	895.105	294.206
load	N_1800031376	constant_power_B	1790.21	588.412	895.105	294.206
load	N_1800031376	constant_power_C	1790.21	588.412	895.105	294.206
load	N_1800031376	constant_power_A_real	1790.21	0.0	895.105	0.0
load	N_1800031376	constant_power_B_real	1790.21	0.0	895.105	0.0
load	N_1800031376	constant_power_C_real	1790.21	0.0	895.105	0.0
load	N_1800031376	constant_power_A_reac	588.412	0.0	294.206	0.0
load	N_1800031376	constant_power_B_reac	588.412	0.0	294.206	0.0
load	N_1800031376	constant_power_C_reac	588.412	0.0	294.206	0.0
load	N_1800031377	constant_power_A	1192.98	392.114	596.49	196.057
load	N_1800031377	constant_power_B	1192.98	392.114	596.49	196.057
load	N_1800031377	constant_power_A_real	1192.98	0.0	596.49	0.0
load	N_1800031377	constant_power_B_real	1192.98	0.0	596.49	0.0
load	N_1800031377	constant_power_A_reac	392.114	0.0	196.057	0.0
load	N_1800031377	constant_power_B_reac	392.114	0.0	196.057	0.0
load	N_1800031371	constant_power_A	61.63	38.1948	30.815	19.0974
load	N_1800031371	constant_power_B	61.63	38.1948	30.815	19.0974
load	N_1800031371	constant_power_A_real	61.63	0.0	30.815	0.0
load	N_1800031371	constant_power_B_real	61.63	0.0	30.815	0.0
load	N_1800031371	constant_power_A_reac	38.1948	0.0	19.0974	0.0
load	N_1800031371	constant_power_B_reac	38.1948	0.0	19.0974	0.0
load	N_1800031372	constant_power_A	2526.83	830.53	1263.415	415.265
load	N_1800031372	constant_power_B	2526.83	830.53	1263.415	415.265
load	N_1800031372	constant_power_A_real	2526.83	0.0	1263.415	0.0
load	N_1800031372	constant_power_B_real	2526.83	0.0	1263.415	0.0
load	N_1800031372	constant_power_A_reac	830.53	0.0	415.265	0.0
load	N_1800031372	constant_power_B_reac	830.53	0.0	415.265	0.0
load	N_1800031379	constant_power_A	598.692	196.781	299.346	98.3905
load	N_1800031379	constant_power_B	598.692	196.781	299.346	98.3905
load	N_1800031379	constant_power_A_real	598.692	0.0	299.346	0.0
load	N_1800031379	constant_power_B_real	598.692	0.0	299.346	0.0
load	N_1800031379	constant_power_A_reac	196.781	0.0	98.3905	0.0
load	N_1800031379	constant_power_B_reac	196.781	0.0	98.3905	0.0
load	N_1800020124	constant_power_A	3508.51	1153.19	1754.255	576.595
load	N_1800020124	constant_power_B	3508.51	1153.19	1754.255	576.595
load	N_1800020124	constant_power_A_real	3508.51	0.0	1754.255	0.0
load	N_1800020124	constant_power_B_real	3508.51	0.0	1754.255	0.0
load	N_1800020124	constant_power_A_reac	1153.19	0.0	576.595	0.0
load	N_1800020124	constant_power_B_reac	1153.19	0.0	576.595	0.0
load	N_1800070544	constant_power_A	1862.11	633.827	931.055	316.9135
load	N_1800070544	constant_power_B	1862.11	633.827	931.055	316.9135
load	N_1800070544	constant_power_A_real	1862.11	0.0	931.055	0.0
load	N_1800070544	constant_power_B_real	1862.11	0.0	931.055	0.0
load	N_1800070544	constant_power_A_reac	633.827	0.0	316.9135	0.0
load	N_1800070544	constant_power_B_reac	633.827	0.0	316.9135	0.0
load	N_1800073239	constant_power_A	1470.32	483.27	735.16	241.635
load	N_1800073239	constant_power_B	1470.32	483.27	735.16	241.635
load	N_1800073239	constant_power_A_real	1470.32	0.0	735.16	0.0
load	N_1800073239	constant_power_B_real	1470.32	0.0	735.16	0.0
load	N_1800073239	constant_power_A_reac	483.27	0.0	241.635	0.0
load	N_1800073239	constant_power_B_reac	483.27	0.0	241.635	0.0
load	N_1800073238	constant_power_A	3948.72	1297.88	1974.36	648.94
load	N_1800073238	constant_power_B	3948.72	1297.88	1974.36	648.94
load	N_1800073238	constant_power_A_real	3948.72	0.0	1974.36	0.0
load	N_1800073238	constant_power_B_real	3948.72	0.0	1974.36	0.0
load	N_1800073238	constant_power_A_reac	1297.88	0.0	648.94	0.0
load	N_1800073238	constant_power_B_reac	1297.88	0.0	648.94	0.0
load	N_1800073236	constant_power_A	5291.38	1739.19	2645.69	869.595
load	N_1800073236	constant_power_B	5291.38	1739.19	2645.69	869.595
load	N_1800073236	constant_power_A_real	5291.38	0.0	2645.69	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073236	constant_power_B_real	5291.38	0.0	2645.69	0.0
load	N_1800073236	constant_power_A_reac	1739.19	0.0	869.595	0.0
load	N_1800073236	constant_power_B_reac	1739.19	0.0	869.595	0.0
load	N_1800081185	constant_power_A	255.324	158.236	127.662	79.118
load	N_1800081185	constant_power_B	255.324	158.236	127.662	79.118
load	N_1800081185	constant_power_C	255.324	158.236	127.662	79.118
load	N_1800081185	constant_power_A_real	255.324	0.0	127.662	0.0
load	N_1800081185	constant_power_B_real	255.324	0.0	127.662	0.0
load	N_1800081185	constant_power_C_real	255.324	0.0	127.662	0.0
load	N_1800081185	constant_power_A_reac	158.236	0.0	79.118	0.0
load	N_1800081185	constant_power_B_reac	158.236	0.0	79.118	0.0
load	N_1800081185	constant_power_C_reac	158.236	0.0	79.118	0.0
load	N_1800034099	constant_power_A	487.171	174.647	243.5855	87.3235
load	N_1800034099	constant_power_B	487.171	174.647	243.5855	87.3235
load	N_1800034099	constant_power_C	487.171	174.647	243.5855	87.3235
load	N_1800034099	constant_power_A_real	487.171	0.0	243.5855	0.0
load	N_1800034099	constant_power_B_real	487.171	0.0	243.5855	0.0
load	N_1800034099	constant_power_C_real	487.171	0.0	243.5855	0.0
load	N_1800034099	constant_power_A_reac	174.647	0.0	87.3235	0.0
load	N_1800034099	constant_power_B_reac	174.647	0.0	87.3235	0.0
load	N_1800034099	constant_power_C_reac	174.647	0.0	87.3235	0.0
load	N_1800075879	constant_power_A	43000.0	26649.0	21500.0	13324.5
load	N_1800075879	constant_power_B	43000.0	26649.0	21500.0	13324.5
load	N_1800075879	constant_power_C	43000.0	26649.0	21500.0	13324.5
load	N_1800075879	constant_power_A_real	43000.0	0.0	21500.0	0.0
load	N_1800075879	constant_power_B_real	43000.0	0.0	21500.0	0.0
load	N_1800075879	constant_power_C_real	43000.0	0.0	21500.0	0.0
load	N_1800075879	constant_power_A_reac	26649.0	0.0	13324.5	0.0
load	N_1800075879	constant_power_B_reac	26649.0	0.0	13324.5	0.0
load	N_1800075879	constant_power_C_reac	26649.0	0.0	13324.5	0.0
load	N_1800042568	constant_power_A	898.038	295.171	449.019	147.5855
load	N_1800042568	constant_power_B	898.038	295.171	449.019	147.5855
load	N_1800042568	constant_power_C	898.038	295.171	449.019	147.5855
load	N_1800042568	constant_power_A_real	898.038	0.0	449.019	0.0
load	N_1800042568	constant_power_B_real	898.038	0.0	449.019	0.0
load	N_1800042568	constant_power_C_real	898.038	0.0	449.019	0.0
load	N_1800042568	constant_power_A_reac	295.171	0.0	147.5855	0.0
load	N_1800042568	constant_power_B_reac	295.171	0.0	147.5855	0.0
load	N_1800042568	constant_power_C_reac	295.171	0.0	147.5855	0.0
load	N_1800008964	constant_power_A	3724.22	2308.06	1862.11	1154.03
load	N_1800008964	constant_power_B	3724.22	2308.06	1862.11	1154.03
load	N_1800008964	constant_power_A_real	3724.22	0.0	1862.11	0.0
load	N_1800008964	constant_power_B_real	3724.22	0.0	1862.11	0.0
load	N_1800008964	constant_power_A_reac	2308.06	0.0	1154.03	0.0
load	N_1800008964	constant_power_B_reac	2308.06	0.0	1154.03	0.0
load	N_1800038081	constant_power_A	1734.45	570.085	867.225	285.0425
load	N_1800038081	constant_power_B	1734.45	570.085	867.225	285.0425
load	N_1800038081	constant_power_A_real	1734.45	0.0	867.225	0.0
load	N_1800038081	constant_power_B_real	1734.45	0.0	867.225	0.0
load	N_1800038081	constant_power_A_reac	570.085	0.0	285.0425	0.0
load	N_1800038081	constant_power_B_reac	570.085	0.0	285.0425	0.0
load	N_1800038080	constant_power_A	2196.67	722.011	1098.335	361.0055
load	N_1800038080	constant_power_B	2196.67	722.011	1098.335	361.0055
load	N_1800038080	constant_power_A_real	2196.67	0.0	1098.335	0.0
load	N_1800038080	constant_power_B_real	2196.67	0.0	1098.335	0.0
load	N_1800038080	constant_power_A_reac	722.011	0.0	361.0055	0.0
load	N_1800038080	constant_power_B_reac	722.011	0.0	361.0055	0.0
load	N_1800073152	constant_power_A	5401.43	1775.37	2700.715	887.685
load	N_1800073152	constant_power_B	5401.43	1775.37	2700.715	887.685
load	N_1800073152	constant_power_A_real	5401.43	0.0	2700.715	0.0
load	N_1800073152	constant_power_B_real	5401.43	0.0	2700.715	0.0
load	N_1800073152	constant_power_A_reac	1775.37	0.0	887.685	0.0
load	N_1800073152	constant_power_B_reac	1775.37	0.0	887.685	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073153	constant_power_A	1602.38	542.053	801.19	271.0265
load	N_1800073153	constant_power_B	1602.38	542.053	801.19	271.0265
load	N_1800073153	constant_power_C	1602.38	542.053	801.19	271.0265
load	N_1800073153	constant_power_A_real	1602.38	0.0	801.19	0.0
load	N_1800073153	constant_power_B_real	1602.38	0.0	801.19	0.0
load	N_1800073153	constant_power_C_real	1602.38	0.0	801.19	0.0
load	N_1800073153	constant_power_A_reac	542.053	0.0	271.0265	0.0
load	N_1800073153	constant_power_B_reac	542.053	0.0	271.0265	0.0
load	N_1800073153	constant_power_C_reac	542.053	0.0	271.0265	0.0
load	N_1800073151	constant_power_A	4402.15	1446.92	2201.075	723.46
load	N_1800073151	constant_power_B	4402.15	1446.92	2201.075	723.46
load	N_1800073151	constant_power_A_real	4402.15	0.0	2201.075	0.0
load	N_1800073151	constant_power_B_real	4402.15	0.0	2201.075	0.0
load	N_1800073151	constant_power_A_reac	1446.92	0.0	723.46	0.0
load	N_1800073151	constant_power_B_reac	1446.92	0.0	723.46	0.0
load	N_1800073154	constant_power_A	1332.38	437.933	666.19	218.9665
load	N_1800073154	constant_power_B	1332.38	437.933	666.19	218.9665
load	N_1800073154	constant_power_C	1332.38	437.933	666.19	218.9665
load	N_1800073154	constant_power_A_real	1332.38	0.0	666.19	0.0
load	N_1800073154	constant_power_B_real	1332.38	0.0	666.19	0.0
load	N_1800073154	constant_power_C_real	1332.38	0.0	666.19	0.0
load	N_1800073154	constant_power_A_reac	437.933	0.0	218.9665	0.0
load	N_1800073154	constant_power_B_reac	437.933	0.0	218.9665	0.0
load	N_1800073154	constant_power_C_reac	437.933	0.0	218.9665	0.0
load	N_1800073155	constant_power_A	572.279	188.099	286.1395	94.0495
load	N_1800073155	constant_power_B	572.279	188.099	286.1395	94.0495
load	N_1800073155	constant_power_A_real	572.279	0.0	286.1395	0.0
load	N_1800073155	constant_power_B_real	572.279	0.0	286.1395	0.0
load	N_1800073155	constant_power_A_reac	188.099	0.0	94.0495	0.0
load	N_1800073155	constant_power_B_reac	188.099	0.0	94.0495	0.0
load	N_1800030347	constant_power_A	937.657	308.193	468.8285	154.0965
load	N_1800030347	constant_power_B	937.657	308.193	468.8285	154.0965
load	N_1800030347	constant_power_A_real	937.657	0.0	468.8285	0.0
load	N_1800030347	constant_power_B_real	937.657	0.0	468.8285	0.0
load	N_1800030347	constant_power_A_reac	308.193	0.0	154.0965	0.0
load	N_1800030347	constant_power_B_reac	308.193	0.0	154.0965	0.0
load	N_1800070441	constant_power_A	1138.69	374.269	569.345	187.1345
load	N_1800070441	constant_power_B	1138.69	374.269	569.345	187.1345
load	N_1800070441	constant_power_C	1138.69	374.269	569.345	187.1345
load	N_1800070441	constant_power_A_real	1138.69	0.0	569.345	0.0
load	N_1800070441	constant_power_B_real	1138.69	0.0	569.345	0.0
load	N_1800070441	constant_power_C_real	1138.69	0.0	569.345	0.0
load	N_1800070441	constant_power_A_reac	374.269	0.0	187.1345	0.0
load	N_1800070441	constant_power_B_reac	374.269	0.0	187.1345	0.0
load	N_1800070441	constant_power_C_reac	374.269	0.0	187.1345	0.0
load	N_1800070440	constant_power_A	5942.9	3683.08	2971.45	1841.54
load	N_1800070440	constant_power_B	5942.9	3683.08	2971.45	1841.54
load	N_1800070440	constant_power_C	5942.9	3683.08	2971.45	1841.54
load	N_1800070440	constant_power_A_real	5942.9	0.0	2971.45	0.0
load	N_1800070440	constant_power_B_real	5942.9	0.0	2971.45	0.0
load	N_1800070440	constant_power_C_real	5942.9	0.0	2971.45	0.0
load	N_1800070440	constant_power_A_reac	3683.08	0.0	1841.54	0.0
load	N_1800070440	constant_power_B_reac	3683.08	0.0	1841.54	0.0
load	N_1800070440	constant_power_C_reac	3683.08	0.0	1841.54	0.0
load	N_1800070334	constant_power_A	1329.45	436.968	664.725	218.484
load	N_1800070334	constant_power_B	1329.45	436.968	664.725	218.484
load	N_1800070334	constant_power_A_real	1329.45	0.0	664.725	0.0
load	N_1800070334	constant_power_B_real	1329.45	0.0	664.725	0.0
load	N_1800070334	constant_power_A_reac	436.968	0.0	218.484	0.0
load	N_1800070334	constant_power_B_reac	436.968	0.0	218.484	0.0
load	N_1800070445	constant_power_A	6846.8	3708.54	3423.4	1854.27
load	N_1800070445	constant_power_B	6846.8	3708.54	3423.4	1854.27
load	N_1800070445	constant_power_C	6846.8	3708.54	3423.4	1854.27

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070445	constant_power_A_real	6846.8	0.0	3423.4	0.0
load	N_1800070445	constant_power_B_real	6846.8	0.0	3423.4	0.0
load	N_1800070445	constant_power_C_real	6846.8	0.0	3423.4	0.0
load	N_1800070445	constant_power_A_reac	3708.54	0.0	1854.27	0.0
load	N_1800070445	constant_power_B_reac	3708.54	0.0	1854.27	0.0
load	N_1800070445	constant_power_C_reac	3708.54	0.0	1854.27	0.0
load	N_1800004558	constant_power_A	330.161	108.519	165.0805	54.2595
load	N_1800004558	constant_power_B	330.161	108.519	165.0805	54.2595
load	N_1800004558	constant_power_A_real	330.161	0.0	165.0805	0.0
load	N_1800004558	constant_power_B_real	330.161	0.0	165.0805	0.0
load	N_1800004558	constant_power_A_reac	108.519	0.0	54.2595	0.0
load	N_1800004558	constant_power_B_reac	108.519	0.0	54.2595	0.0
load	N_1800070331	constant_power_A	823.201	270.573	411.6005	135.2865
load	N_1800070331	constant_power_B	823.201	270.573	411.6005	135.2865
load	N_1800070331	constant_power_A_real	823.201	0.0	411.6005	0.0
load	N_1800070331	constant_power_B_real	823.201	0.0	411.6005	0.0
load	N_1800070331	constant_power_A_reac	270.573	0.0	135.2865	0.0
load	N_1800070331	constant_power_B_reac	270.573	0.0	135.2865	0.0
load	N_1800070446	constant_power_A	214.238	132.773	107.119	66.3865
load	N_1800070446	constant_power_B	214.238	132.773	107.119	66.3865
load	N_1800070446	constant_power_C	214.238	132.773	107.119	66.3865
load	N_1800070446	constant_power_A_real	214.238	0.0	107.119	0.0
load	N_1800070446	constant_power_B_real	214.238	0.0	107.119	0.0
load	N_1800070446	constant_power_C_real	214.238	0.0	107.119	0.0
load	N_1800070446	constant_power_A_reac	132.773	0.0	66.3865	0.0
load	N_1800070446	constant_power_B_reac	132.773	0.0	66.3865	0.0
load	N_1800070446	constant_power_C_reac	132.773	0.0	66.3865	0.0
load	N_1800070449	constant_power_A	352.172	115.753	176.086	57.8765
load	N_1800070449	constant_power_B	352.172	115.753	176.086	57.8765
load	N_1800070449	constant_power_A_real	352.172	0.0	176.086	0.0
load	N_1800070449	constant_power_B_real	352.172	0.0	176.086	0.0
load	N_1800070449	constant_power_A_reac	115.753	0.0	57.8765	0.0
load	N_1800070449	constant_power_B_reac	115.753	0.0	57.8765	0.0
load	N_1800031026	constant_power_A	1496.73	491.951	748.365	245.9755
load	N_1800031026	constant_power_B	1496.73	491.951	748.365	245.9755
load	N_1800031026	constant_power_A_real	1496.73	0.0	748.365	0.0
load	N_1800031026	constant_power_B_real	1496.73	0.0	748.365	0.0
load	N_1800031026	constant_power_A_reac	491.951	0.0	245.9755	0.0
load	N_1800031026	constant_power_B_reac	491.951	0.0	245.9755	0.0
load	N_1800031021	constant_power_A	1201.79	395.008	600.895	197.504
load	N_1800031021	constant_power_B	1201.79	395.008	600.895	197.504
load	N_1800031021	constant_power_A_real	1201.79	0.0	600.895	0.0
load	N_1800031021	constant_power_B_real	1201.79	0.0	600.895	0.0
load	N_1800031021	constant_power_A_reac	395.008	0.0	197.504	0.0
load	N_1800031021	constant_power_B_reac	395.008	0.0	197.504	0.0
load	N_1800067858	constant_power_A	202.499	66.5581	101.2495	33.27905
load	N_1800067858	constant_power_B	202.499	66.5581	101.2495	33.27905
load	N_1800067858	constant_power_C	202.499	66.5581	101.2495	33.27905
load	N_1800067858	constant_power_A_real	202.499	0.0	101.2495	0.0
load	N_1800067858	constant_power_B_real	202.499	0.0	101.2495	0.0
load	N_1800067858	constant_power_C_real	202.499	0.0	101.2495	0.0
load	N_1800067858	constant_power_A_reac	66.5581	0.0	33.27905	0.0
load	N_1800067858	constant_power_B_reac	66.5581	0.0	33.27905	0.0
load	N_1800067858	constant_power_C_reac	66.5581	0.0	33.27905	0.0
load	N_1800039569	constant_power_A	1888.52	620.727	944.26	310.3635
load	N_1800039569	constant_power_B	1888.52	620.727	944.26	310.3635
load	N_1800039569	constant_power_A_real	1888.52	0.0	944.26	0.0
load	N_1800039569	constant_power_B_real	1888.52	0.0	944.26	0.0
load	N_1800039569	constant_power_A_reac	620.727	0.0	310.3635	0.0
load	N_1800039569	constant_power_B_reac	620.727	0.0	310.3635	0.0
load	N_1800039568	constant_power_A	2253.9	740.821	1126.95	370.4105
load	N_1800039568	constant_power_B	2253.9	740.821	1126.95	370.4105
load	N_1800039568	constant_power_A_real	2253.9	0.0	1126.95	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800039568	constant_power_B_real	2253.9	0.0	1126.95	0.0
load	N_1800039568	constant_power_A_reac	740.821	0.0	370.4105	0.0
load	N_1800039568	constant_power_B_reac	740.821	0.0	370.4105	0.0
load	N_1800039567	constant_power_A	471.03	154.82	235.515	77.41
load	N_1800039567	constant_power_B	471.03	154.82	235.515	77.41
load	N_1800039567	constant_power_A_real	471.03	0.0	235.515	0.0
load	N_1800039567	constant_power_B_real	471.03	0.0	235.515	0.0
load	N_1800039567	constant_power_A_reac	154.82	0.0	77.41	0.0
load	N_1800039567	constant_power_B_reac	154.82	0.0	77.41	0.0
load	N_1800069515	constant_power_A	330.161	108.519	165.0805	54.2595
load	N_1800069515	constant_power_B	330.161	108.519	165.0805	54.2595
load	N_1800069515	constant_power_A_real	330.161	0.0	165.0805	0.0
load	N_1800069515	constant_power_B_real	330.161	0.0	165.0805	0.0
load	N_1800069515	constant_power_A_reac	108.519	0.0	54.2595	0.0
load	N_1800069515	constant_power_B_reac	108.519	0.0	54.2595	0.0
load	N_1800069514	constant_power_A	176.086	57.8767	88.043	28.93835
load	N_1800069514	constant_power_B	176.086	57.8767	88.043	28.93835
load	N_1800069514	constant_power_A_real	176.086	0.0	88.043	0.0
load	N_1800069514	constant_power_B_real	176.086	0.0	88.043	0.0
load	N_1800069514	constant_power_A_reac	57.8767	0.0	28.93835	0.0
load	N_1800069514	constant_power_B_reac	57.8767	0.0	28.93835	0.0
load	N_1800069517	constant_power_A	58.6953	36.3761	29.34765	18.18805
load	N_1800069517	constant_power_B	58.6953	36.3761	29.34765	18.18805
load	N_1800069517	constant_power_C	58.6953	36.3761	29.34765	18.18805
load	N_1800069517	constant_power_A_real	58.6953	0.0	29.34765	0.0
load	N_1800069517	constant_power_B_real	58.6953	0.0	29.34765	0.0
load	N_1800069517	constant_power_C_real	58.6953	0.0	29.34765	0.0
load	N_1800069517	constant_power_A_reac	36.3761	0.0	18.18805	0.0
load	N_1800069517	constant_power_B_reac	36.3761	0.0	18.18805	0.0
load	N_1800069517	constant_power_C_reac	36.3761	0.0	18.18805	0.0
load	N_1800069516	constant_power_A	559.073	183.758	279.5365	91.879
load	N_1800069516	constant_power_B	559.073	183.758	279.5365	91.879
load	N_1800069516	constant_power_A_real	559.073	0.0	279.5365	0.0
load	N_1800069516	constant_power_B_real	559.073	0.0	279.5365	0.0
load	N_1800069516	constant_power_A_reac	183.758	0.0	91.879	0.0
load	N_1800069516	constant_power_B_reac	183.758	0.0	91.879	0.0
load	N_1800035451	constant_power_A	27953.6	9187.91	13976.8	4593.955
load	N_1800035451	constant_power_A_real	27953.6	0.0	13976.8	0.0
load	N_1800035451	constant_power_A_reac	9187.91	0.0	4593.955	0.0
load	N_1800035450	constant_power_A	13743.5	4517.27	6871.75	2258.635
load	N_1800035450	constant_power_A_real	13743.5	0.0	6871.75	0.0
load	N_1800035450	constant_power_A_reac	4517.27	0.0	2258.635	0.0
load	N_1800035453	constant_power_A	36379.3	11957.3	18189.65	5978.65
load	N_1800035453	constant_power_A_real	36379.3	0.0	18189.65	0.0
load	N_1800035453	constant_power_A_reac	11957.3	0.0	5978.65	0.0
load	N_1800035452	constant_power_A	4519.54	1485.5	2259.77	742.75
load	N_1800035452	constant_power_B	4519.54	1485.5	2259.77	742.75
load	N_1800035452	constant_power_C	4519.54	1485.5	2259.77	742.75
load	N_1800035452	constant_power_A_real	4519.54	0.0	2259.77	0.0
load	N_1800035452	constant_power_B_real	4519.54	0.0	2259.77	0.0
load	N_1800035452	constant_power_C_real	4519.54	0.0	2259.77	0.0
load	N_1800035452	constant_power_A_reac	1485.5	0.0	742.75	0.0
load	N_1800035452	constant_power_B_reac	1485.5	0.0	742.75	0.0
load	N_1800035452	constant_power_C_reac	1485.5	0.0	742.75	0.0
load	N_1800035455	constant_power_A	24502.3	8053.53	12251.15	4026.765
load	N_1800035455	constant_power_A_real	24502.3	0.0	12251.15	0.0
load	N_1800035455	constant_power_A_reac	8053.53	0.0	4026.765	0.0
load	N_1800072554	constant_power_A	1928.14	633.749	964.07	316.8745
load	N_1800072554	constant_power_B	1928.14	633.749	964.07	316.8745
load	N_1800072554	constant_power_C	1928.14	633.749	964.07	316.8745
load	N_1800072554	constant_power_A_real	1928.14	0.0	964.07	0.0
load	N_1800072554	constant_power_B_real	1928.14	0.0	964.07	0.0
load	N_1800072554	constant_power_C_real	1928.14	0.0	964.07	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072554	constant_power_A_reac	633.749	0.0	316.8745	0.0
load	N_1800072554	constant_power_B_reac	633.749	0.0	316.8745	0.0
load	N_1800072554	constant_power_C_reac	633.749	0.0	316.8745	0.0
load	N_1800041297	constant_power_A	692.604	227.648	346.302	113.824
load	N_1800041297	constant_power_B	692.604	227.648	346.302	113.824
load	N_1800041297	constant_power_C	692.604	227.648	346.302	113.824
load	N_1800041297	constant_power_A_real	692.604	0.0	346.302	0.0
load	N_1800041297	constant_power_B_real	692.604	0.0	346.302	0.0
load	N_1800041297	constant_power_C_real	692.604	0.0	346.302	0.0
load	N_1800041297	constant_power_A_reac	227.648	0.0	113.824	0.0
load	N_1800041297	constant_power_B_reac	227.648	0.0	113.824	0.0
load	N_1800041297	constant_power_C_reac	227.648	0.0	113.824	0.0
load	N_1800072558	constant_power_A	507.714	191.649	253.857	95.8245
load	N_1800072558	constant_power_B	507.714	191.649	253.857	95.8245
load	N_1800072558	constant_power_C	507.714	191.649	253.857	95.8245
load	N_1800072558	constant_power_A_real	507.714	0.0	253.857	0.0
load	N_1800072558	constant_power_B_real	507.714	0.0	253.857	0.0
load	N_1800072558	constant_power_C_real	507.714	0.0	253.857	0.0
load	N_1800072558	constant_power_A_reac	191.649	0.0	95.8245	0.0
load	N_1800072558	constant_power_B_reac	191.649	0.0	95.8245	0.0
load	N_1800072558	constant_power_C_reac	191.649	0.0	95.8245	0.0
load	N_1800070531	constant_power_A	3160.74	1038.89	1580.37	519.445
load	N_1800070531	constant_power_B	3160.74	1038.89	1580.37	519.445
load	N_1800070531	constant_power_A_real	3160.74	0.0	1580.37	0.0
load	N_1800070531	constant_power_B_real	3160.74	0.0	1580.37	0.0
load	N_1800070531	constant_power_A_reac	1038.89	0.0	519.445	0.0
load	N_1800070531	constant_power_B_reac	1038.89	0.0	519.445	0.0
load	N_1800070533	constant_power_A	717.55	235.847	358.775	117.9235
load	N_1800070533	constant_power_B	717.55	235.847	358.775	117.9235
load	N_1800070533	constant_power_A_real	717.55	0.0	358.775	0.0
load	N_1800070533	constant_power_B_real	717.55	0.0	358.775	0.0
load	N_1800070533	constant_power_A_reac	235.847	0.0	117.9235	0.0
load	N_1800070533	constant_power_B_reac	235.847	0.0	117.9235	0.0
load	N_1800070532	constant_power_A	61.63	38.1948	30.815	19.0974
load	N_1800070532	constant_power_B	61.63	38.1948	30.815	19.0974
load	N_1800070532	constant_power_C	61.63	38.1948	30.815	19.0974
load	N_1800070532	constant_power_A_real	61.63	0.0	30.815	0.0
load	N_1800070532	constant_power_B_real	61.63	0.0	30.815	0.0
load	N_1800070532	constant_power_C_real	61.63	0.0	30.815	0.0
load	N_1800070532	constant_power_A_reac	38.1948	0.0	19.0974	0.0
load	N_1800070532	constant_power_B_reac	38.1948	0.0	19.0974	0.0
load	N_1800070532	constant_power_C_reac	38.1948	0.0	19.0974	0.0
load	N_1800070023	constant_power_A	713.148	234.4	356.574	117.2
load	N_1800070023	constant_power_B	713.148	234.4	356.574	117.2
load	N_1800070023	constant_power_A_real	713.148	0.0	356.574	0.0
load	N_1800070023	constant_power_B_real	713.148	0.0	356.574	0.0
load	N_1800070023	constant_power_A_reac	234.4	0.0	117.2	0.0
load	N_1800070023	constant_power_B_reac	234.4	0.0	117.2	0.0
load	N_1800198654	constant_power_A	40106.5	24855.8	20053.25	12427.9
load	N_1800198654	constant_power_B	40106.5	24855.8	20053.25	12427.9
load	N_1800198654	constant_power_C	40106.5	24855.8	20053.25	12427.9
load	N_1800198654	constant_power_A_real	40106.5	0.0	20053.25	0.0
load	N_1800198654	constant_power_B_real	40106.5	0.0	20053.25	0.0
load	N_1800198654	constant_power_C_real	40106.5	0.0	20053.25	0.0
load	N_1800198654	constant_power_A_reac	24855.8	0.0	12427.9	0.0
load	N_1800198654	constant_power_B_reac	24855.8	0.0	12427.9	0.0
load	N_1800198654	constant_power_C_reac	24855.8	0.0	12427.9	0.0
load	N_1800070021	constant_power_A	1875.31	616.386	937.655	308.193
load	N_1800070021	constant_power_B	1875.31	616.386	937.655	308.193
load	N_1800070021	constant_power_A_real	1875.31	0.0	937.655	0.0
load	N_1800070021	constant_power_B_real	1875.31	0.0	937.655	0.0
load	N_1800070021	constant_power_A_reac	616.386	0.0	308.193	0.0
load	N_1800070021	constant_power_B_reac	616.386	0.0	308.193	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070020	constant_power_A	515.051	169.289	257.5255	84.6445
load	N_1800070020	constant_power_B	515.051	169.289	257.5255	84.6445
load	N_1800070020	constant_power_A_real	515.051	0.0	257.5255	0.0
load	N_1800070020	constant_power_B_real	515.051	0.0	257.5255	0.0
load	N_1800070020	constant_power_A_reac	169.289	0.0	84.6445	0.0
load	N_1800070020	constant_power_B_reac	169.289	0.0	84.6445	0.0
load	N_1800067926	constant_power_A	611.898	201.121	305.949	100.5605
load	N_1800067926	constant_power_B	611.898	201.121	305.949	100.5605
load	N_1800067926	constant_power_A_real	611.898	0.0	305.949	0.0
load	N_1800067926	constant_power_B_real	611.898	0.0	305.949	0.0
load	N_1800067926	constant_power_A_reac	201.121	0.0	100.5605	0.0
load	N_1800067926	constant_power_B_reac	201.121	0.0	100.5605	0.0
load	N_1800067924	constant_power_A	1170.97	384.88	585.485	192.44
load	N_1800067924	constant_power_B	1170.97	384.88	585.485	192.44
load	N_1800067924	constant_power_A_real	1170.97	0.0	585.485	0.0
load	N_1800067924	constant_power_B_real	1170.97	0.0	585.485	0.0
load	N_1800067924	constant_power_A_reac	384.88	0.0	192.44	0.0
load	N_1800067924	constant_power_B_reac	384.88	0.0	192.44	0.0
load	N_1800068241	constant_power_A	2434.39	800.144	1217.195	400.072
load	N_1800068241	constant_power_B	2434.39	800.144	1217.195	400.072
load	N_1800068241	constant_power_A_real	2434.39	0.0	1217.195	0.0
load	N_1800068241	constant_power_B_real	2434.39	0.0	1217.195	0.0
load	N_1800068241	constant_power_A_reac	800.144	0.0	400.072	0.0
load	N_1800068241	constant_power_B_reac	800.144	0.0	400.072	0.0
load	N_1800044886	constant_power_A	1104.94	363.176	552.47	181.588
load	N_1800044886	constant_power_B	1104.94	363.176	552.47	181.588
load	N_1800044886	constant_power_A_real	1104.94	0.0	552.47	0.0
load	N_1800044886	constant_power_B_real	1104.94	0.0	552.47	0.0
load	N_1800044886	constant_power_A_reac	363.176	0.0	181.588	0.0
load	N_1800044886	constant_power_B_reac	363.176	0.0	181.588	0.0
load	N_1800067929	constant_power_A	237.716	78.1335	118.858	39.06675
load	N_1800067929	constant_power_B	237.716	78.1335	118.858	39.06675
load	N_1800067929	constant_power_A_real	237.716	0.0	118.858	0.0
load	N_1800067929	constant_power_B_real	237.716	0.0	118.858	0.0
load	N_1800067929	constant_power_A_reac	78.1335	0.0	39.06675	0.0
load	N_1800067929	constant_power_B_reac	78.1335	0.0	39.06675	0.0
load	N_1800040895	constant_power_A	5599.53	1840.48	2799.765	920.24
load	N_1800040895	constant_power_B	5599.53	1840.48	2799.765	920.24
load	N_1800040895	constant_power_A_real	5599.53	0.0	2799.765	0.0
load	N_1800040895	constant_power_B_real	5599.53	0.0	2799.765	0.0
load	N_1800040895	constant_power_A_reac	1840.48	0.0	920.24	0.0
load	N_1800040895	constant_power_B_reac	1840.48	0.0	920.24	0.0
load	N_1800040894	constant_power_A	3319.22	1090.97	1659.61	545.485
load	N_1800040894	constant_power_B	3319.22	1090.97	1659.61	545.485
load	N_1800040894	constant_power_A_real	3319.22	0.0	1659.61	0.0
load	N_1800040894	constant_power_B_real	3319.22	0.0	1659.61	0.0
load	N_1800040894	constant_power_A_reac	1090.97	0.0	545.485	0.0
load	N_1800040894	constant_power_B_reac	1090.97	0.0	545.485	0.0
load	N_1800069609	constant_power_A	3979.54	1308.01	1989.77	654.005
load	N_1800069609	constant_power_B	3979.54	1308.01	1989.77	654.005
load	N_1800069609	constant_power_A_real	3979.54	0.0	1989.77	0.0
load	N_1800069609	constant_power_B_real	3979.54	0.0	1989.77	0.0
load	N_1800069609	constant_power_A_reac	1308.01	0.0	654.005	0.0
load	N_1800069609	constant_power_B_reac	1308.01	0.0	654.005	0.0
load	N_1800069608	constant_power_A	5603.93	1841.92	2801.965	920.96
load	N_1800069608	constant_power_B	5603.93	1841.92	2801.965	920.96
load	N_1800069608	constant_power_A_real	5603.93	0.0	2801.965	0.0
load	N_1800069608	constant_power_B_real	5603.93	0.0	2801.965	0.0
load	N_1800069608	constant_power_A_reac	1841.92	0.0	920.96	0.0
load	N_1800069608	constant_power_B_reac	1841.92	0.0	920.96	0.0
load	N_1800040892	constant_power_A	1672.82	549.828	836.41	274.914
load	N_1800040892	constant_power_B	1672.82	549.828	836.41	274.914
load	N_1800040892	constant_power_A_real	1672.82	0.0	836.41	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800040892	constant_power_B_real	1672.82	0.0	836.41	0.0
load	N_1800040892	constant_power_A_reac	549.828	0.0	274.914	0.0
load	N_1800040892	constant_power_B_reac	549.828	0.0	274.914	0.0
load	N_1800069604	constant_power_A	798.256	262.374	399.128	131.187
load	N_1800069604	constant_power_B	798.256	262.374	399.128	131.187
load	N_1800069604	constant_power_C	798.256	262.374	399.128	131.187
load	N_1800069604	constant_power_A_real	798.256	0.0	399.128	0.0
load	N_1800069604	constant_power_B_real	798.256	0.0	399.128	0.0
load	N_1800069604	constant_power_C_real	798.256	0.0	399.128	0.0
load	N_1800069604	constant_power_A_reac	262.374	0.0	131.187	0.0
load	N_1800069604	constant_power_B_reac	262.374	0.0	131.187	0.0
load	N_1800069604	constant_power_C_reac	262.374	0.0	131.187	0.0
load	N_1800069607	constant_power_A	387.389	127.329	193.6945	63.6645
load	N_1800069607	constant_power_B	387.389	127.329	193.6945	63.6645
load	N_1800069607	constant_power_A_real	387.389	0.0	193.6945	0.0
load	N_1800069607	constant_power_B_real	387.389	0.0	193.6945	0.0
load	N_1800069607	constant_power_A_reac	127.329	0.0	63.6645	0.0
load	N_1800069607	constant_power_B_reac	127.329	0.0	63.6645	0.0
load	N_1800069603	constant_power_A	2385.96	784.228	1192.98	392.114
load	N_1800069603	constant_power_B	2385.96	784.228	1192.98	392.114
load	N_1800069603	constant_power_A_real	2385.96	0.0	1192.98	0.0
load	N_1800069603	constant_power_B_real	2385.96	0.0	1192.98	0.0
load	N_1800069603	constant_power_A_reac	784.228	0.0	392.114	0.0
load	N_1800069603	constant_power_B_reac	784.228	0.0	392.114	0.0
load	N_1800068412	constant_power_A	1694.83	557.062	847.415	278.531
load	N_1800068412	constant_power_B	1694.83	557.062	847.415	278.531
load	N_1800068412	constant_power_A_real	1694.83	0.0	847.415	0.0
load	N_1800068412	constant_power_B_real	1694.83	0.0	847.415	0.0
load	N_1800068412	constant_power_A_reac	557.062	0.0	278.531	0.0
load	N_1800068412	constant_power_B_reac	557.062	0.0	278.531	0.0
load	N_1800011668	constant_power_A	3988.34	2471.75	1994.17	1235.875
load	N_1800011668	constant_power_B	3988.34	2471.75	1994.17	1235.875
load	N_1800011668	constant_power_C	3988.34	2471.75	1994.17	1235.875
load	N_1800011668	constant_power_A_real	3988.34	0.0	1994.17	0.0
load	N_1800011668	constant_power_B_real	3988.34	0.0	1994.17	0.0
load	N_1800011668	constant_power_C_real	3988.34	0.0	1994.17	0.0
load	N_1800011668	constant_power_A_reac	2471.75	0.0	1235.875	0.0
load	N_1800011668	constant_power_B_reac	2471.75	0.0	1235.875	0.0
load	N_1800011668	constant_power_C_reac	2471.75	0.0	1235.875	0.0
load	N_1800069861	constant_power_A	4842.36	1591.61	2421.18	795.805
load	N_1800069861	constant_power_B	4842.36	1591.61	2421.18	795.805
load	N_1800069861	constant_power_A_real	4842.36	0.0	2421.18	0.0
load	N_1800069861	constant_power_B_real	4842.36	0.0	2421.18	0.0
load	N_1800069861	constant_power_A_reac	1591.61	0.0	795.805	0.0
load	N_1800069861	constant_power_B_reac	1591.61	0.0	795.805	0.0
load	N_1800069860	constant_power_A	2848.19	938.717	1424.095	469.3585
load	N_1800069860	constant_power_B	2848.19	938.717	1424.095	469.3585
load	N_1800069860	constant_power_A_real	2848.19	0.0	1424.095	0.0
load	N_1800069860	constant_power_B_real	2848.19	0.0	1424.095	0.0
load	N_1800069860	constant_power_A_reac	938.717	0.0	469.3585	0.0
load	N_1800069860	constant_power_B_reac	938.717	0.0	469.3585	0.0
load	N_1800069863	constant_power_A	3147.53	1034.54	1573.765	517.27
load	N_1800069863	constant_power_B	3147.53	1034.54	1573.765	517.27
load	N_1800069863	constant_power_A_real	3147.53	0.0	1573.765	0.0
load	N_1800069863	constant_power_B_real	3147.53	0.0	1573.765	0.0
load	N_1800069863	constant_power_A_reac	1034.54	0.0	517.27	0.0
load	N_1800069863	constant_power_B_reac	1034.54	0.0	517.27	0.0
load	N_1800069862	constant_power_A	3961.93	1302.22	1980.965	651.11
load	N_1800069862	constant_power_B	3961.93	1302.22	1980.965	651.11
load	N_1800069862	constant_power_A_real	3961.93	0.0	1980.965	0.0
load	N_1800069862	constant_power_B_real	3961.93	0.0	1980.965	0.0
load	N_1800069862	constant_power_A_reac	1302.22	0.0	651.11	0.0
load	N_1800069862	constant_power_B_reac	1302.22	0.0	651.11	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800018475	constant_power_A	437.28	143.727	218.64	71.8635
load	N_1800018475	constant_power_B	437.28	143.727	218.64	71.8635
load	N_1800018475	constant_power_C	437.28	143.727	218.64	71.8635
load	N_1800018475	constant_power_A_real	437.28	0.0	218.64	0.0
load	N_1800018475	constant_power_B_real	437.28	0.0	218.64	0.0
load	N_1800018475	constant_power_C_real	437.28	0.0	218.64	0.0
load	N_1800018475	constant_power_A_reac	143.727	0.0	71.8635	0.0
load	N_1800018475	constant_power_B_reac	143.727	0.0	71.8635	0.0
load	N_1800018475	constant_power_C_reac	143.727	0.0	71.8635	0.0
load	N_1800067636	constant_power_A	867.223	285.042	433.6115	142.521
load	N_1800067636	constant_power_B	867.223	285.042	433.6115	142.521
load	N_1800067636	constant_power_A_real	867.223	0.0	433.6115	0.0
load	N_1800067636	constant_power_B_real	867.223	0.0	433.6115	0.0
load	N_1800067636	constant_power_A_reac	285.042	0.0	142.521	0.0
load	N_1800067636	constant_power_B_reac	285.042	0.0	142.521	0.0
load	N_1800069469	constant_power_A	1470.32	483.27	735.16	241.635
load	N_1800069469	constant_power_C	1470.32	483.27	735.16	241.635
load	N_1800069469	constant_power_A_real	1470.32	0.0	735.16	0.0
load	N_1800069469	constant_power_C_real	1470.32	0.0	735.16	0.0
load	N_1800069469	constant_power_A_reac	483.27	0.0	241.635	0.0
load	N_1800069469	constant_power_C_reac	483.27	0.0	241.635	0.0
load	N_1800069468	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800069468	constant_power_C	545.866	179.417	272.933	89.7085
load	N_1800069468	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800069468	constant_power_C_real	545.866	0.0	272.933	0.0
load	N_1800069468	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800069468	constant_power_C_reac	179.417	0.0	89.7085	0.0
load	N_1800027781	constant_power_A	1487.92	489.057	743.96	244.5285
load	N_1800027781	constant_power_B	1487.92	489.057	743.96	244.5285
load	N_1800027781	constant_power_A_real	1487.92	0.0	743.96	0.0
load	N_1800027781	constant_power_B_real	1487.92	0.0	743.96	0.0
load	N_1800027781	constant_power_A_reac	489.057	0.0	244.5285	0.0
load	N_1800027781	constant_power_B_reac	489.057	0.0	244.5285	0.0
load	N_1800069461	constant_power_A	3284.0	1079.4	1642.0	539.7
load	N_1800069461	constant_power_C	3284.0	1079.4	1642.0	539.7
load	N_1800069461	constant_power_A_real	3284.0	0.0	1642.0	0.0
load	N_1800069461	constant_power_C_real	3284.0	0.0	1642.0	0.0
load	N_1800069461	constant_power_A_reac	1079.4	0.0	539.7	0.0
load	N_1800069461	constant_power_C_reac	1079.4	0.0	539.7	0.0
load	N_1800069462	constant_power_A	550.268	180.864	275.134	90.432
load	N_1800069462	constant_power_C	550.268	180.864	275.134	90.432
load	N_1800069462	constant_power_A_real	550.268	0.0	275.134	0.0
load	N_1800069462	constant_power_C_real	550.268	0.0	275.134	0.0
load	N_1800069462	constant_power_A_reac	180.864	0.0	90.432	0.0
load	N_1800069462	constant_power_C_reac	180.864	0.0	90.432	0.0
load	N_1800068390	constant_power_A	3436.61	2129.82	1718.305	1064.91
load	N_1800068390	constant_power_B	3436.61	2129.82	1718.305	1064.91
load	N_1800068390	constant_power_C	3436.61	2129.82	1718.305	1064.91
load	N_1800068390	constant_power_A_real	3436.61	0.0	1718.305	0.0
load	N_1800068390	constant_power_B_real	3436.61	0.0	1718.305	0.0
load	N_1800068390	constant_power_C_real	3436.61	0.0	1718.305	0.0
load	N_1800068390	constant_power_A_reac	2129.82	0.0	1064.91	0.0
load	N_1800068390	constant_power_B_reac	2129.82	0.0	1064.91	0.0
load	N_1800068390	constant_power_C_reac	2129.82	0.0	1064.91	0.0
load	N_1800022317	constant_power_A	3165.14	1040.33	1582.57	520.165
load	N_1800022317	constant_power_B	3165.14	1040.33	1582.57	520.165
load	N_1800022317	constant_power_A_real	3165.14	0.0	1582.57	0.0
load	N_1800022317	constant_power_B_real	3165.14	0.0	1582.57	0.0
load	N_1800022317	constant_power_A_reac	1040.33	0.0	520.165	0.0
load	N_1800022317	constant_power_B_reac	1040.33	0.0	520.165	0.0
load	N_1800068641	constant_power_A	1126.95	370.41	563.475	185.205
load	N_1800068641	constant_power_B	1126.95	370.41	563.475	185.205
load	N_1800068641	constant_power_A_real	1126.95	0.0	563.475	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068641	constant_power_B_real	1126.95	0.0	563.475	0.0
load	N_1800068641	constant_power_A_reac	370.41	0.0	185.205	0.0
load	N_1800068641	constant_power_B_reac	370.41	0.0	185.205	0.0
load	N_1800069268	constant_power_A	1611.19	529.571	805.595	264.7855
load	N_1800069268	constant_power_B	1611.19	529.571	805.595	264.7855
load	N_1800069268	constant_power_C	1611.19	529.571	805.595	264.7855
load	N_1800069268	constant_power_A_real	1611.19	0.0	805.595	0.0
load	N_1800069268	constant_power_B_real	1611.19	0.0	805.595	0.0
load	N_1800069268	constant_power_C_real	1611.19	0.0	805.595	0.0
load	N_1800069268	constant_power_A_reac	529.571	0.0	264.7855	0.0
load	N_1800069268	constant_power_B_reac	529.571	0.0	264.7855	0.0
load	N_1800069268	constant_power_C_reac	529.571	0.0	264.7855	0.0
load	N_1800079783	constant_power_A	2609.01	857.539	1304.505	428.7695
load	N_1800079783	constant_power_B	2609.01	857.539	1304.505	428.7695
load	N_1800079783	constant_power_C	2609.01	857.539	1304.505	428.7695
load	N_1800079783	constant_power_A_real	2609.01	0.0	1304.505	0.0
load	N_1800079783	constant_power_B_real	2609.01	0.0	1304.505	0.0
load	N_1800079783	constant_power_C_real	2609.01	0.0	1304.505	0.0
load	N_1800079783	constant_power_A_reac	857.539	0.0	428.7695	0.0
load	N_1800079783	constant_power_B_reac	857.539	0.0	428.7695	0.0
load	N_1800079783	constant_power_C_reac	857.539	0.0	428.7695	0.0
load	N_1800079782	constant_power_A	15780.2	9779.71	7890.1	4889.855
load	N_1800079782	constant_power_B	15780.2	9779.71	7890.1	4889.855
load	N_1800079782	constant_power_C	15780.2	9779.71	7890.1	4889.855
load	N_1800079782	constant_power_A_real	15780.2	0.0	7890.1	0.0
load	N_1800079782	constant_power_B_real	15780.2	0.0	7890.1	0.0
load	N_1800079782	constant_power_C_real	15780.2	0.0	7890.1	0.0
load	N_1800079782	constant_power_A_reac	9779.71	0.0	4889.855	0.0
load	N_1800079782	constant_power_B_reac	9779.71	0.0	4889.855	0.0
load	N_1800079782	constant_power_C_reac	9779.71	0.0	4889.855	0.0
load	N_1800069262	constant_power_A	83.641	51.836	41.8205	25.918
load	N_1800069262	constant_power_B	83.641	51.836	41.8205	25.918
load	N_1800069262	constant_power_A_real	83.641	0.0	41.8205	0.0
load	N_1800069262	constant_power_B_real	83.641	0.0	41.8205	0.0
load	N_1800069262	constant_power_A_reac	51.836	0.0	25.918	0.0
load	N_1800069262	constant_power_B_reac	51.836	0.0	25.918	0.0
load	N_1800069260	constant_power_A	2901.01	953.517	1450.505	476.7585
load	N_1800069260	constant_power_B	2901.01	953.517	1450.505	476.7585
load	N_1800069260	constant_power_A_real	2901.01	0.0	1450.505	0.0
load	N_1800069260	constant_power_B_real	2901.01	0.0	1450.505	0.0
load	N_1800069260	constant_power_A_reac	953.517	0.0	476.7585	0.0
load	N_1800069260	constant_power_B_reac	953.517	0.0	476.7585	0.0
load	N_1800077658	constant_power_A	2267.11	745.161	1133.555	372.5805
load	N_1800077658	constant_power_B	2267.11	745.161	1133.555	372.5805
load	N_1800077658	constant_power_A_real	2267.11	0.0	1133.555	0.0
load	N_1800077658	constant_power_B_real	2267.11	0.0	1133.555	0.0
load	N_1800077658	constant_power_A_reac	745.161	0.0	372.5805	0.0
load	N_1800077658	constant_power_B_reac	745.161	0.0	372.5805	0.0
load	N_1800045126	constant_power_A	1813.68	596.129	906.84	298.0645
load	N_1800045126	constant_power_B	1813.68	596.129	906.84	298.0645
load	N_1800045126	constant_power_C	1813.68	596.129	906.84	298.0645
load	N_1800045126	constant_power_A_real	1813.68	0.0	906.84	0.0
load	N_1800045126	constant_power_B_real	1813.68	0.0	906.84	0.0
load	N_1800045126	constant_power_C_real	1813.68	0.0	906.84	0.0
load	N_1800045126	constant_power_A_reac	596.129	0.0	298.0645	0.0
load	N_1800045126	constant_power_B_reac	596.129	0.0	298.0645	0.0
load	N_1800045126	constant_power_C_reac	596.129	0.0	298.0645	0.0
load	N_1800045127	constant_power_A	2685.31	1664.21	1342.655	832.105
load	N_1800045127	constant_power_B	2685.31	1664.21	1342.655	832.105
load	N_1800045127	constant_power_C	2685.31	1664.21	1342.655	832.105
load	N_1800045127	constant_power_A_real	2685.31	0.0	1342.655	0.0
load	N_1800045127	constant_power_B_real	2685.31	0.0	1342.655	0.0
load	N_1800045127	constant_power_C_real	2685.31	0.0	1342.655	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800045127	constant_power_A_reac	1664.21	0.0	832.105	0.0
load	N_1800045127	constant_power_B_reac	1664.21	0.0	832.105	0.0
load	N_1800045127	constant_power_C_reac	1664.21	0.0	832.105	0.0
load	N_1800013745	constant_power_A	1276.62	419.605	638.31	209.8025
load	N_1800013745	constant_power_B	1276.62	419.605	638.31	209.8025
load	N_1800013745	constant_power_A_real	1276.62	0.0	638.31	0.0
load	N_1800013745	constant_power_B_real	1276.62	0.0	638.31	0.0
load	N_1800013745	constant_power_A_reac	419.605	0.0	209.8025	0.0
load	N_1800013745	constant_power_B_reac	419.605	0.0	209.8025	0.0
load	N_1800041138	constant_power_A	581.083	190.993	290.5415	95.4965
load	N_1800041138	constant_power_B	581.083	190.993	290.5415	95.4965
load	N_1800041138	constant_power_A_real	581.083	0.0	290.5415	0.0
load	N_1800041138	constant_power_B_real	581.083	0.0	290.5415	0.0
load	N_1800041138	constant_power_A_reac	190.993	0.0	95.4965	0.0
load	N_1800041138	constant_power_B_reac	190.993	0.0	95.4965	0.0
load	N_1800045128	constant_power_A	2039.66	1264.07	1019.83	632.035
load	N_1800045128	constant_power_B	2039.66	1264.07	1019.83	632.035
load	N_1800045128	constant_power_C	2039.66	1264.07	1019.83	632.035
load	N_1800045128	constant_power_A_real	2039.66	0.0	1019.83	0.0
load	N_1800045128	constant_power_B_real	2039.66	0.0	1019.83	0.0
load	N_1800045128	constant_power_C_real	2039.66	0.0	1019.83	0.0
load	N_1800045128	constant_power_A_reac	1264.07	0.0	632.035	0.0
load	N_1800045128	constant_power_B_reac	1264.07	0.0	632.035	0.0
load	N_1800045128	constant_power_C_reac	1264.07	0.0	632.035	0.0
load	N_1800068610	constant_power_A	1628.79	535.359	814.395	267.6795
load	N_1800068610	constant_power_B	1628.79	535.359	814.395	267.6795
load	N_1800068610	constant_power_A_real	1628.79	0.0	814.395	0.0
load	N_1800068610	constant_power_B_real	1628.79	0.0	814.395	0.0
load	N_1800068610	constant_power_A_reac	535.359	0.0	267.6795	0.0
load	N_1800068610	constant_power_B_reac	535.359	0.0	267.6795	0.0
load	N_1800068467	constant_power_A	2870.2	943.389	1435.1	471.6945
load	N_1800068467	constant_power_B	2870.2	943.389	1435.1	471.6945
load	N_1800068467	constant_power_C	2870.2	943.389	1435.1	471.6945
load	N_1800068467	constant_power_A_real	2870.2	0.0	1435.1	0.0
load	N_1800068467	constant_power_B_real	2870.2	0.0	1435.1	0.0
load	N_1800068467	constant_power_C_real	2870.2	0.0	1435.1	0.0
load	N_1800068467	constant_power_A_reac	943.389	0.0	471.6945	0.0
load	N_1800068467	constant_power_B_reac	943.389	0.0	471.6945	0.0
load	N_1800068467	constant_power_C_reac	943.389	0.0	471.6945	0.0
load	N_1800010046	constant_power_A	23595.5	14623.2	11797.75	7311.6
load	N_1800010046	constant_power_B	23595.5	14623.2	11797.75	7311.6
load	N_1800010046	constant_power_C	23595.5	14623.2	11797.75	7311.6
load	N_1800010046	constant_power_A_real	23595.5	0.0	11797.75	0.0
load	N_1800010046	constant_power_B_real	23595.5	0.0	11797.75	0.0
load	N_1800010046	constant_power_C_real	23595.5	0.0	11797.75	0.0
load	N_1800010046	constant_power_A_reac	14623.2	0.0	7311.6	0.0
load	N_1800010046	constant_power_B_reac	14623.2	0.0	7311.6	0.0
load	N_1800010046	constant_power_C_reac	14623.2	0.0	7311.6	0.0
load	N_1800039602	constant_power_A	865.755	284.56	432.8775	142.28
load	N_1800039602	constant_power_B	865.755	284.56	432.8775	142.28
load	N_1800039602	constant_power_C	865.755	284.56	432.8775	142.28
load	N_1800039602	constant_power_A_real	865.755	0.0	432.8775	0.0
load	N_1800039602	constant_power_B_real	865.755	0.0	432.8775	0.0
load	N_1800039602	constant_power_C_real	865.755	0.0	432.8775	0.0
load	N_1800039602	constant_power_A_reac	284.56	0.0	142.28	0.0
load	N_1800039602	constant_power_B_reac	284.56	0.0	142.28	0.0
load	N_1800039602	constant_power_C_reac	284.56	0.0	142.28	0.0
load	N_1800073081	constant_power_A	2896.61	952.07	1448.305	476.035
load	N_1800073081	constant_power_B	2896.61	952.07	1448.305	476.035
load	N_1800073081	constant_power_A_real	2896.61	0.0	1448.305	0.0
load	N_1800073081	constant_power_B_real	2896.61	0.0	1448.305	0.0
load	N_1800073081	constant_power_A_reac	952.07	0.0	476.035	0.0
load	N_1800073081	constant_power_B_reac	952.07	0.0	476.035	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068026	constant_power_A	1567.16	515.102	783.58	257.551
load	N_1800068026	constant_power_B	1567.16	515.102	783.58	257.551
load	N_1800068026	constant_power_A_real	1567.16	0.0	783.58	0.0
load	N_1800068026	constant_power_B_real	1567.16	0.0	783.58	0.0
load	N_1800068026	constant_power_A_reac	515.102	0.0	257.551	0.0
load	N_1800068026	constant_power_B_reac	515.102	0.0	257.551	0.0
load	N_1800068025	constant_power_A	211.303	69.4519	105.6515	34.72595
load	N_1800068025	constant_power_B	211.303	69.4519	105.6515	34.72595
load	N_1800068025	constant_power_A_real	211.303	0.0	105.6515	0.0
load	N_1800068025	constant_power_B_real	211.303	0.0	105.6515	0.0
load	N_1800068025	constant_power_A_reac	69.4519	0.0	34.72595	0.0
load	N_1800068025	constant_power_B_reac	69.4519	0.0	34.72595	0.0
load	N_1800068023	constant_power_A	2130.64	700.307	1065.32	350.1535
load	N_1800068023	constant_power_B	2130.64	700.307	1065.32	350.1535
load	N_1800068023	constant_power_A_real	2130.64	0.0	1065.32	0.0
load	N_1800068023	constant_power_B_real	2130.64	0.0	1065.32	0.0
load	N_1800068023	constant_power_A_reac	700.307	0.0	350.1535	0.0
load	N_1800068023	constant_power_B_reac	700.307	0.0	350.1535	0.0
load	N_1800027493	constant_power_A	46891.7	15412.5	23445.85	7706.25
load	N_1800027493	constant_power_A_real	46891.7	0.0	23445.85	0.0
load	N_1800027493	constant_power_A_reac	15412.5	0.0	7706.25	0.0
load	N_1800073083	constant_power_A	1655.21	544.04	827.605	272.02
load	N_1800073083	constant_power_B	1655.21	544.04	827.605	272.02
load	N_1800073083	constant_power_A_real	1655.21	0.0	827.605	0.0
load	N_1800073083	constant_power_B_real	1655.21	0.0	827.605	0.0
load	N_1800073083	constant_power_A_reac	544.04	0.0	272.02	0.0
load	N_1800073083	constant_power_B_reac	544.04	0.0	272.02	0.0
load	N_1800072973	constant_power_A	330.161	108.519	165.0805	54.2595
load	N_1800072973	constant_power_B	330.161	108.519	165.0805	54.2595
load	N_1800072973	constant_power_A_real	330.161	0.0	165.0805	0.0
load	N_1800072973	constant_power_B_real	330.161	0.0	165.0805	0.0
load	N_1800072973	constant_power_A_reac	108.519	0.0	54.2595	0.0
load	N_1800072973	constant_power_B_reac	108.519	0.0	54.2595	0.0
load	N_1800019474	constant_power_A	7251.8	4494.26	3625.9	2247.13
load	N_1800019474	constant_power_B	7251.8	4494.26	3625.9	2247.13
load	N_1800019474	constant_power_C	7251.8	4494.26	3625.9	2247.13
load	N_1800019474	constant_power_A_real	7251.8	0.0	3625.9	0.0
load	N_1800019474	constant_power_B_real	7251.8	0.0	3625.9	0.0
load	N_1800019474	constant_power_C_real	7251.8	0.0	3625.9	0.0
load	N_1800019474	constant_power_A_reac	4494.26	0.0	2247.13	0.0
load	N_1800019474	constant_power_B_reac	4494.26	0.0	2247.13	0.0
load	N_1800019474	constant_power_C_reac	4494.26	0.0	2247.13	0.0
load	N_1800035476	constant_power_A	44.0213	27.282	22.01065	13.641
load	N_1800035476	constant_power_B	44.0213	27.282	22.01065	13.641
load	N_1800035476	constant_power_C	44.0213	27.282	22.01065	13.641
load	N_1800035476	constant_power_A_real	44.0213	0.0	22.01065	0.0
load	N_1800035476	constant_power_B_real	44.0213	0.0	22.01065	0.0
load	N_1800035476	constant_power_C_real	44.0213	0.0	22.01065	0.0
load	N_1800035476	constant_power_A_reac	27.282	0.0	13.641	0.0
load	N_1800035476	constant_power_B_reac	27.282	0.0	13.641	0.0
load	N_1800035476	constant_power_C_reac	27.282	0.0	13.641	0.0
load	N_1800004505	constant_power_A	435.812	143.244	217.906	71.622
load	N_1800004505	constant_power_B	435.812	143.244	217.906	71.622
load	N_1800004505	constant_power_A_real	435.812	0.0	217.906	0.0
load	N_1800004505	constant_power_B_real	435.812	0.0	217.906	0.0
load	N_1800004505	constant_power_A_reac	143.244	0.0	71.622	0.0
load	N_1800004505	constant_power_B_reac	143.244	0.0	71.622	0.0
load	N_1800032070	constant_power_A	217.173	71.3812	108.5865	35.6906
load	N_1800032070	constant_power_B	217.173	71.3812	108.5865	35.6906
load	N_1800032070	constant_power_C	217.173	71.3812	108.5865	35.6906
load	N_1800032070	constant_power_A_real	217.173	0.0	108.5865	0.0
load	N_1800032070	constant_power_B_real	217.173	0.0	108.5865	0.0
load	N_1800032070	constant_power_C_real	217.173	0.0	108.5865	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800032070	constant_power_A_reac	71.3812	0.0	35.6906	0.0
load	N_1800032070	constant_power_B_reac	71.3812	0.0	35.6906	0.0
load	N_1800032070	constant_power_C_reac	71.3812	0.0	35.6906	0.0
load	N_1800072678	constant_power_A	5696.38	1872.31	2848.19	936.155
load	N_1800072678	constant_power_A_real	5696.38	0.0	2848.19	0.0
load	N_1800072678	constant_power_A_reac	1872.31	0.0	936.155	0.0
load	N_1800021797	constant_power_A	2344.88	770.724	1172.44	385.362
load	N_1800021797	constant_power_B	2344.88	770.724	1172.44	385.362
load	N_1800021797	constant_power_C	2344.88	770.724	1172.44	385.362
load	N_1800021797	constant_power_A_real	2344.88	0.0	1172.44	0.0
load	N_1800021797	constant_power_B_real	2344.88	0.0	1172.44	0.0
load	N_1800021797	constant_power_C_real	2344.88	0.0	1172.44	0.0
load	N_1800021797	constant_power_A_reac	770.724	0.0	385.362	0.0
load	N_1800021797	constant_power_B_reac	770.724	0.0	385.362	0.0
load	N_1800021797	constant_power_C_reac	770.724	0.0	385.362	0.0
load	N_1800021795	constant_power_A	2927.43	962.199	1463.715	481.0995
load	N_1800021795	constant_power_B	2927.43	962.199	1463.715	481.0995
load	N_1800021795	constant_power_A_real	2927.43	0.0	1463.715	0.0
load	N_1800021795	constant_power_B_real	2927.43	0.0	1463.715	0.0
load	N_1800021795	constant_power_A_reac	962.199	0.0	481.0995	0.0
load	N_1800021795	constant_power_B_reac	962.199	0.0	481.0995	0.0
load	N_1800035573	constant_power_A	1385.21	858.475	692.605	429.2375
load	N_1800035573	constant_power_B	1385.21	858.475	692.605	429.2375
load	N_1800035573	constant_power_C	1385.21	858.475	692.605	429.2375
load	N_1800035573	constant_power_A_real	1385.21	0.0	692.605	0.0
load	N_1800035573	constant_power_B_real	1385.21	0.0	692.605	0.0
load	N_1800035573	constant_power_C_real	1385.21	0.0	692.605	0.0
load	N_1800035573	constant_power_A_reac	858.475	0.0	429.2375	0.0
load	N_1800035573	constant_power_B_reac	858.475	0.0	429.2375	0.0
load	N_1800035573	constant_power_C_reac	858.475	0.0	429.2375	0.0
load	N_1800067445	constant_power_A	101.249	33.2789	50.6245	16.63945
load	N_1800067445	constant_power_B	101.249	33.2789	50.6245	16.63945
load	N_1800067445	constant_power_A_real	101.249	0.0	50.6245	0.0
load	N_1800067445	constant_power_B_real	101.249	0.0	50.6245	0.0
load	N_1800067445	constant_power_A_reac	33.2789	0.0	16.63945	0.0
load	N_1800067445	constant_power_B_reac	33.2789	0.0	16.63945	0.0
load	N_1800067447	constant_power_A	2733.73	898.535	1366.865	449.2675
load	N_1800067447	constant_power_B	2733.73	898.535	1366.865	449.2675
load	N_1800067447	constant_power_A_real	2733.73	0.0	1366.865	0.0
load	N_1800067447	constant_power_B_real	2733.73	0.0	1366.865	0.0
load	N_1800067447	constant_power_A_reac	898.535	0.0	449.2675	0.0
load	N_1800067447	constant_power_B_reac	898.535	0.0	449.2675	0.0
load	N_1800067441	constant_power_A	365.378	120.094	182.689	60.047
load	N_1800067441	constant_power_B	365.378	120.094	182.689	60.047
load	N_1800067441	constant_power_A_real	365.378	0.0	182.689	0.0
load	N_1800067441	constant_power_B_real	365.378	0.0	182.689	0.0
load	N_1800067441	constant_power_A_reac	120.094	0.0	60.047	0.0
load	N_1800067441	constant_power_B_reac	120.094	0.0	60.047	0.0
load	N_1800067440	constant_power_A	2949.44	969.433	1474.72	484.7165
load	N_1800067440	constant_power_B	2949.44	969.433	1474.72	484.7165
load	N_1800067440	constant_power_A_real	2949.44	0.0	1474.72	0.0
load	N_1800067440	constant_power_B_real	2949.44	0.0	1474.72	0.0
load	N_1800067440	constant_power_A_reac	969.433	0.0	484.7165	0.0
load	N_1800067440	constant_power_B_reac	969.433	0.0	484.7165	0.0
load	N_1800067442	constant_power_A	2777.75	913.004	1388.875	456.502
load	N_1800067442	constant_power_B	2777.75	913.004	1388.875	456.502
load	N_1800067442	constant_power_A_real	2777.75	0.0	1388.875	0.0
load	N_1800067442	constant_power_B_real	2777.75	0.0	1388.875	0.0
load	N_1800067442	constant_power_A_reac	913.004	0.0	456.502	0.0
load	N_1800067442	constant_power_B_reac	913.004	0.0	456.502	0.0
load	N_1800070931	constant_power_A	1681.62	552.722	840.81	276.361
load	N_1800070931	constant_power_B	1681.62	552.722	840.81	276.361
load	N_1800070931	constant_power_A_real	1681.62	0.0	840.81	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070931	constant_power_B_real	1681.62	0.0	840.81	0.0
load	N_1800070931	constant_power_A_reac	552.722	0.0	276.361	0.0
load	N_1800070931	constant_power_B_reac	552.722	0.0	276.361	0.0
load	N_1800035478	constant_power_A	1502.6	493.881	751.3	246.9405
load	N_1800035478	constant_power_B	1502.6	493.881	751.3	246.9405
load	N_1800035478	constant_power_C	1502.6	493.881	751.3	246.9405
load	N_1800035478	constant_power_A_real	1502.6	0.0	751.3	0.0
load	N_1800035478	constant_power_B_real	1502.6	0.0	751.3	0.0
load	N_1800035478	constant_power_C_real	1502.6	0.0	751.3	0.0
load	N_1800035478	constant_power_A_reac	493.881	0.0	246.9405	0.0
load	N_1800035478	constant_power_B_reac	493.881	0.0	246.9405	0.0
load	N_1800035478	constant_power_C_reac	493.881	0.0	246.9405	0.0
load	N_1800070930	constant_power_A	4476.98	1471.51	2238.49	735.755
load	N_1800070930	constant_power_B	4476.98	1471.51	2238.49	735.755
load	N_1800070930	constant_power_A_real	4476.98	0.0	2238.49	0.0
load	N_1800070930	constant_power_B_real	4476.98	0.0	2238.49	0.0
load	N_1800070930	constant_power_A_reac	1471.51	0.0	735.755	0.0
load	N_1800070930	constant_power_B_reac	1471.51	0.0	735.755	0.0
load	N_1800036233	constant_power_A	2107.16	1305.9	1053.58	652.95
load	N_1800036233	constant_power_B	2107.16	1305.9	1053.58	652.95
load	N_1800036233	constant_power_C	2107.16	1305.9	1053.58	652.95
load	N_1800036233	constant_power_A_real	2107.16	0.0	1053.58	0.0
load	N_1800036233	constant_power_B_real	2107.16	0.0	1053.58	0.0
load	N_1800036233	constant_power_C_real	2107.16	0.0	1053.58	0.0
load	N_1800036233	constant_power_A_reac	1305.9	0.0	652.95	0.0
load	N_1800036233	constant_power_B_reac	1305.9	0.0	652.95	0.0
load	N_1800036233	constant_power_C_reac	1305.9	0.0	652.95	0.0
load	N_1800008569	constant_power_A	724.887	238.259	362.4435	119.1295
load	N_1800008569	constant_power_B	724.887	238.259	362.4435	119.1295
load	N_1800008569	constant_power_C	724.887	238.259	362.4435	119.1295
load	N_1800008569	constant_power_A_real	724.887	0.0	362.4435	0.0
load	N_1800008569	constant_power_B_real	724.887	0.0	362.4435	0.0
load	N_1800008569	constant_power_C_real	724.887	0.0	362.4435	0.0
load	N_1800008569	constant_power_A_reac	238.259	0.0	119.1295	0.0
load	N_1800008569	constant_power_B_reac	238.259	0.0	119.1295	0.0
load	N_1800008569	constant_power_C_reac	238.259	0.0	119.1295	0.0
load	N_1800067449	constant_power_A	136.467	44.8545	68.2335	22.42725
load	N_1800067449	constant_power_B	136.467	44.8545	68.2335	22.42725
load	N_1800067449	constant_power_A_real	136.467	0.0	68.2335	0.0
load	N_1800067449	constant_power_B_real	136.467	0.0	68.2335	0.0
load	N_1800067449	constant_power_A_reac	44.8545	0.0	22.42725	0.0
load	N_1800067449	constant_power_B_reac	44.8545	0.0	22.42725	0.0
load	N_1800061668	constant_power_A	1298.63	426.84	649.315	213.42
load	N_1800061668	constant_power_B	1298.63	426.84	649.315	213.42
load	N_1800061668	constant_power_A_real	1298.63	0.0	649.315	0.0
load	N_1800061668	constant_power_B_real	1298.63	0.0	649.315	0.0
load	N_1800061668	constant_power_A_reac	426.84	0.0	213.42	0.0
load	N_1800061668	constant_power_B_reac	426.84	0.0	213.42	0.0
load	N_1800008186	constant_power_A	434.345	269.183	217.1725	134.5915
load	N_1800008186	constant_power_B	434.345	269.183	217.1725	134.5915
load	N_1800008186	constant_power_C	434.345	269.183	217.1725	134.5915
load	N_1800008186	constant_power_A_real	434.345	0.0	217.1725	0.0
load	N_1800008186	constant_power_B_real	434.345	0.0	217.1725	0.0
load	N_1800008186	constant_power_C_real	434.345	0.0	217.1725	0.0
load	N_1800008186	constant_power_A_reac	269.183	0.0	134.5915	0.0
load	N_1800008186	constant_power_B_reac	269.183	0.0	134.5915	0.0
load	N_1800008186	constant_power_C_reac	269.183	0.0	134.5915	0.0
load	N_1800036908	constant_power_A	774.778	254.657	387.389	127.3285
load	N_1800036908	constant_power_B	774.778	254.657	387.389	127.3285
load	N_1800036908	constant_power_C	774.778	254.657	387.389	127.3285
load	N_1800036908	constant_power_A_real	774.778	0.0	387.389	0.0
load	N_1800036908	constant_power_B_real	774.778	0.0	387.389	0.0
load	N_1800036908	constant_power_C_real	774.778	0.0	387.389	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800036908	constant_power_A_reac	254.657	0.0	127.3285	0.0
load	N_1800036908	constant_power_B_reac	254.657	0.0	127.3285	0.0
load	N_1800036908	constant_power_C_reac	254.657	0.0	127.3285	0.0
load	N_1800008183	constant_power_A	1464.45	907.583	732.225	453.7915
load	N_1800008183	constant_power_B	1464.45	907.583	732.225	453.7915
load	N_1800008183	constant_power_C	1464.45	907.583	732.225	453.7915
load	N_1800008183	constant_power_A_real	1464.45	0.0	732.225	0.0
load	N_1800008183	constant_power_B_real	1464.45	0.0	732.225	0.0
load	N_1800008183	constant_power_C_real	1464.45	0.0	732.225	0.0
load	N_1800008183	constant_power_A_reac	907.583	0.0	453.7915	0.0
load	N_1800008183	constant_power_B_reac	907.583	0.0	453.7915	0.0
load	N_1800008183	constant_power_C_reac	907.583	0.0	453.7915	0.0
load	N_1800036903	constant_power_A	1184.18	389.22	592.09	194.61
load	N_1800036903	constant_power_B	1184.18	389.22	592.09	194.61
load	N_1800036903	constant_power_A_real	1184.18	0.0	592.09	0.0
load	N_1800036903	constant_power_B_real	1184.18	0.0	592.09	0.0
load	N_1800036903	constant_power_A_reac	389.22	0.0	194.61	0.0
load	N_1800036903	constant_power_B_reac	389.22	0.0	194.61	0.0
load	N_1800036901	constant_power_A	807.06	265.268	403.53	132.634
load	N_1800036901	constant_power_B	807.06	265.268	403.53	132.634
load	N_1800036901	constant_power_C	807.06	265.268	403.53	132.634
load	N_1800036901	constant_power_A_real	807.06	0.0	403.53	0.0
load	N_1800036901	constant_power_B_real	807.06	0.0	403.53	0.0
load	N_1800036901	constant_power_C_real	807.06	0.0	403.53	0.0
load	N_1800036901	constant_power_A_reac	265.268	0.0	132.634	0.0
load	N_1800036901	constant_power_B_reac	265.268	0.0	132.634	0.0
load	N_1800036901	constant_power_C_reac	265.268	0.0	132.634	0.0
load	N_1800036906	constant_power_A	3351.5	2077.07	1675.75	1038.535
load	N_1800036906	constant_power_B	3351.5	2077.07	1675.75	1038.535
load	N_1800036906	constant_power_C	3351.5	2077.07	1675.75	1038.535
load	N_1800036906	constant_power_A_real	3351.5	0.0	1675.75	0.0
load	N_1800036906	constant_power_B_real	3351.5	0.0	1675.75	0.0
load	N_1800036906	constant_power_C_real	3351.5	0.0	1675.75	0.0
load	N_1800036906	constant_power_A_reac	2077.07	0.0	1038.535	0.0
load	N_1800036906	constant_power_B_reac	2077.07	0.0	1038.535	0.0
load	N_1800036906	constant_power_C_reac	2077.07	0.0	1038.535	0.0
load	N_1800036907	constant_power_A	1628.79	535.359	814.395	267.6795
load	N_1800036907	constant_power_B	1628.79	535.359	814.395	267.6795
load	N_1800036907	constant_power_C	1628.79	535.359	814.395	267.6795
load	N_1800036907	constant_power_A_real	1628.79	0.0	814.395	0.0
load	N_1800036907	constant_power_B_real	1628.79	0.0	814.395	0.0
load	N_1800036907	constant_power_C_real	1628.79	0.0	814.395	0.0
load	N_1800036907	constant_power_A_reac	535.359	0.0	267.6795	0.0
load	N_1800036907	constant_power_B_reac	535.359	0.0	267.6795	0.0
load	N_1800036907	constant_power_C_reac	535.359	0.0	267.6795	0.0
load	N_1800021089	constant_power_A	2764.55	948.383	1382.275	474.1915
load	N_1800021089	constant_power_B	2764.55	948.383	1382.275	474.1915
load	N_1800021089	constant_power_A_real	2764.55	0.0	1382.275	0.0
load	N_1800021089	constant_power_B_real	2764.55	0.0	1382.275	0.0
load	N_1800021089	constant_power_A_reac	948.383	0.0	474.1915	0.0
load	N_1800021089	constant_power_B_reac	948.383	0.0	474.1915	0.0
load	N_1800021087	constant_power_A	35.2173	21.8257	17.60865	10.91285
load	N_1800021087	constant_power_B	35.2173	21.8257	17.60865	10.91285
load	N_1800021087	constant_power_C	35.2173	21.8257	17.60865	10.91285
load	N_1800021087	constant_power_A_real	35.2173	0.0	17.60865	0.0
load	N_1800021087	constant_power_B_real	35.2173	0.0	17.60865	0.0
load	N_1800021087	constant_power_C_real	35.2173	0.0	17.60865	0.0
load	N_1800021087	constant_power_A_reac	21.8257	0.0	10.91285	0.0
load	N_1800021087	constant_power_B_reac	21.8257	0.0	10.91285	0.0
load	N_1800021087	constant_power_C_reac	21.8257	0.0	10.91285	0.0
load	N_1800030766	constant_power_A	1009.56	331.826	504.78	165.913
load	N_1800030766	constant_power_B	1009.56	331.826	504.78	165.913
load	N_1800030766	constant_power_C	1009.56	331.826	504.78	165.913

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800030766	constant_power_A_real	1009.56	0.0	504.78	0.0
load	N_1800030766	constant_power_B_real	1009.56	0.0	504.78	0.0
load	N_1800030766	constant_power_C_real	1009.56	0.0	504.78	0.0
load	N_1800030766	constant_power_A_reac	331.826	0.0	165.913	0.0
load	N_1800030766	constant_power_B_reac	331.826	0.0	165.913	0.0
load	N_1800030766	constant_power_C_reac	331.826	0.0	165.913	0.0
load	N_1800013928	constant_power_A	1241.4	408.03	620.7	204.015
load	N_1800013928	constant_power_B	1241.4	408.03	620.7	204.015
load	N_1800013928	constant_power_A_real	1241.4	0.0	620.7	0.0
load	N_1800013928	constant_power_B_real	1241.4	0.0	620.7	0.0
load	N_1800013928	constant_power_A_reac	408.03	0.0	204.015	0.0
load	N_1800013928	constant_power_B_reac	408.03	0.0	204.015	0.0
load	N_1800040552	constant_power_A	4507.8	1481.64	2253.9	740.82
load	N_1800040552	constant_power_B	4507.8	1481.64	2253.9	740.82
load	N_1800040552	constant_power_A_real	4507.8	0.0	2253.9	0.0
load	N_1800040552	constant_power_B_real	4507.8	0.0	2253.9	0.0
load	N_1800040552	constant_power_A_reac	1481.64	0.0	740.82	0.0
load	N_1800040552	constant_power_B_reac	1481.64	0.0	740.82	0.0
load	N_1800038778	constant_power_A	1333.85	438.415	666.925	219.2075
load	N_1800038778	constant_power_B	1333.85	438.415	666.925	219.2075
load	N_1800038778	constant_power_A_real	1333.85	0.0	666.925	0.0
load	N_1800038778	constant_power_B_real	1333.85	0.0	666.925	0.0
load	N_1800038778	constant_power_A_reac	438.415	0.0	219.2075	0.0
load	N_1800038778	constant_power_B_reac	438.415	0.0	219.2075	0.0
load	N_1800070948	constant_power_A	1003.69	329.897	501.845	164.9485
load	N_1800070948	constant_power_B	1003.69	329.897	501.845	164.9485
load	N_1800070948	constant_power_A_real	1003.69	0.0	501.845	0.0
load	N_1800070948	constant_power_B_real	1003.69	0.0	501.845	0.0
load	N_1800070948	constant_power_A_reac	329.897	0.0	164.9485	0.0
load	N_1800070948	constant_power_B_reac	329.897	0.0	164.9485	0.0
load	N_1800007639	constant_power_A	123.26	40.5136	61.63	20.2568
load	N_1800007639	constant_power_B	123.26	40.5136	61.63	20.2568
load	N_1800007639	constant_power_A_real	123.26	0.0	61.63	0.0
load	N_1800007639	constant_power_B_real	123.26	0.0	61.63	0.0
load	N_1800007639	constant_power_A_reac	40.5136	0.0	20.2568	0.0
load	N_1800007639	constant_power_B_reac	40.5136	0.0	20.2568	0.0
load	N_1800055208	constant_power_A	515.051	169.289	257.5255	84.6445
load	N_1800055208	constant_power_B	515.051	169.289	257.5255	84.6445
load	N_1800055208	constant_power_A_real	515.051	0.0	257.5255	0.0
load	N_1800055208	constant_power_B_real	515.051	0.0	257.5255	0.0
load	N_1800055208	constant_power_A_reac	169.289	0.0	84.6445	0.0
load	N_1800055208	constant_power_B_reac	169.289	0.0	84.6445	0.0
load	N_1800061714	constant_power_A	5350.07	2969.73	2675.035	1484.865
load	N_1800061714	constant_power_B	5350.07	2969.73	2675.035	1484.865
load	N_1800061714	constant_power_C	5350.07	2969.73	2675.035	1484.865
load	N_1800061714	constant_power_A_real	5350.07	0.0	2675.035	0.0
load	N_1800061714	constant_power_B_real	5350.07	0.0	2675.035	0.0
load	N_1800061714	constant_power_C_real	5350.07	0.0	2675.035	0.0
load	N_1800061714	constant_power_A_reac	2969.73	0.0	1484.865	0.0
load	N_1800061714	constant_power_B_reac	2969.73	0.0	1484.865	0.0
load	N_1800061714	constant_power_C_reac	2969.73	0.0	1484.865	0.0
load	N_1800061711	constant_power_A	1914.93	629.408	957.465	314.704
load	N_1800061711	constant_power_B	1914.93	629.408	957.465	314.704
load	N_1800061711	constant_power_A_real	1914.93	0.0	957.465	0.0
load	N_1800061711	constant_power_B_real	1914.93	0.0	957.465	0.0
load	N_1800061711	constant_power_A_reac	629.408	0.0	314.704	0.0
load	N_1800061711	constant_power_B_reac	629.408	0.0	314.704	0.0
load	N_1800070125	constant_power_A	1289.83	423.946	644.915	211.973
load	N_1800070125	constant_power_B	1289.83	423.946	644.915	211.973
load	N_1800070125	constant_power_A_real	1289.83	0.0	644.915	0.0
load	N_1800070125	constant_power_B_real	1289.83	0.0	644.915	0.0
load	N_1800070125	constant_power_A_reac	423.946	0.0	211.973	0.0
load	N_1800070125	constant_power_B_reac	423.946	0.0	211.973	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800007564	constant_power_A	281.737	92.6025	140.8685	46.30125
load	N_1800007564	constant_power_B	281.737	92.6025	140.8685	46.30125
load	N_1800007564	constant_power_A_real	281.737	0.0	140.8685	0.0
load	N_1800007564	constant_power_B_real	281.737	0.0	140.8685	0.0
load	N_1800007564	constant_power_A_reac	92.6025	0.0	46.30125	0.0
load	N_1800007564	constant_power_B_reac	92.6025	0.0	46.30125	0.0
load	N_1800020757	constant_power_A	15786.1	9783.34	7893.05	4891.67
load	N_1800020757	constant_power_B	15786.1	9783.34	7893.05	4891.67
load	N_1800020757	constant_power_C	15786.1	9783.34	7893.05	4891.67
load	N_1800020757	constant_power_A_real	15786.1	0.0	7893.05	0.0
load	N_1800020757	constant_power_B_real	15786.1	0.0	7893.05	0.0
load	N_1800020757	constant_power_C_real	15786.1	0.0	7893.05	0.0
load	N_1800020757	constant_power_A_reac	9783.34	0.0	4891.67	0.0
load	N_1800020757	constant_power_B_reac	9783.34	0.0	4891.67	0.0
load	N_1800020757	constant_power_C_reac	9783.34	0.0	4891.67	0.0
load	N_1800068970	constant_power_A	167.282	54.9829	83.641	27.49145
load	N_1800068970	constant_power_B	167.282	54.9829	83.641	27.49145
load	N_1800068970	constant_power_A_real	167.282	0.0	83.641	0.0
load	N_1800068970	constant_power_B_real	167.282	0.0	83.641	0.0
load	N_1800068970	constant_power_A_reac	54.9829	0.0	27.49145	0.0
load	N_1800068970	constant_power_B_reac	54.9829	0.0	27.49145	0.0
load	N_1800021332	constant_power_A	264.129	86.815	132.0645	43.4075
load	N_1800021332	constant_power_B	264.129	86.815	132.0645	43.4075
load	N_1800021332	constant_power_A_real	264.129	0.0	132.0645	0.0
load	N_1800021332	constant_power_B_real	264.129	0.0	132.0645	0.0
load	N_1800021332	constant_power_A_reac	86.815	0.0	43.4075	0.0
load	N_1800021332	constant_power_B_reac	86.815	0.0	43.4075	0.0
load	N_1800071943	constant_power_A	1848.9	607.704	924.45	303.852
load	N_1800071943	constant_power_B	1848.9	607.704	924.45	303.852
load	N_1800071943	constant_power_A_real	1848.9	0.0	924.45	0.0
load	N_1800071943	constant_power_B_real	1848.9	0.0	924.45	0.0
load	N_1800071943	constant_power_A_reac	607.704	0.0	303.852	0.0
load	N_1800071943	constant_power_B_reac	607.704	0.0	303.852	0.0
load	N_1800071941	constant_power_A	586.953	363.761	293.4765	181.8805
load	N_1800071941	constant_power_B	586.953	363.761	293.4765	181.8805
load	N_1800071941	constant_power_C	586.953	363.761	293.4765	181.8805
load	N_1800071941	constant_power_A_real	586.953	0.0	293.4765	0.0
load	N_1800071941	constant_power_B_real	586.953	0.0	293.4765	0.0
load	N_1800071941	constant_power_C_real	586.953	0.0	293.4765	0.0
load	N_1800071941	constant_power_A_reac	363.761	0.0	181.8805	0.0
load	N_1800071941	constant_power_B_reac	363.761	0.0	181.8805	0.0
load	N_1800071941	constant_power_C_reac	363.761	0.0	181.8805	0.0
load	N_1800071947	constant_power_A	2192.27	720.564	1096.135	360.282
load	N_1800071947	constant_power_B	2192.27	720.564	1096.135	360.282
load	N_1800071947	constant_power_A_real	2192.27	0.0	1096.135	0.0
load	N_1800071947	constant_power_B_real	2192.27	0.0	1096.135	0.0
load	N_1800071947	constant_power_A_reac	720.564	0.0	360.282	0.0
load	N_1800071947	constant_power_B_reac	720.564	0.0	360.282	0.0
load	N_1800071946	constant_power_A	3794.65	1247.24	1897.325	623.62
load	N_1800071946	constant_power_B	3794.65	1247.24	1897.325	623.62
load	N_1800071946	constant_power_A_real	3794.65	0.0	1897.325	0.0
load	N_1800071946	constant_power_B_real	3794.65	0.0	1897.325	0.0
load	N_1800071946	constant_power_A_reac	1247.24	0.0	623.62	0.0
load	N_1800071946	constant_power_B_reac	1247.24	0.0	623.62	0.0
load	N_1800071944	constant_power_A	1508.47	590.625	754.235	295.3125
load	N_1800071944	constant_power_B	1508.47	590.625	754.235	295.3125
load	N_1800071944	constant_power_C	1508.47	590.625	754.235	295.3125
load	N_1800071944	constant_power_A_real	1508.47	0.0	754.235	0.0
load	N_1800071944	constant_power_B_real	1508.47	0.0	754.235	0.0
load	N_1800071944	constant_power_C_real	1508.47	0.0	754.235	0.0
load	N_1800071944	constant_power_A_reac	590.625	0.0	295.3125	0.0
load	N_1800071944	constant_power_B_reac	590.625	0.0	295.3125	0.0
load	N_1800071944	constant_power_C_reac	590.625	0.0	295.3125	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800077327	constant_power_A	1373.47	451.438	686.735	225.719
load	N_1800077327	constant_power_B	1373.47	451.438	686.735	225.719
load	N_1800077327	constant_power_A_real	1373.47	0.0	686.735	0.0
load	N_1800077327	constant_power_B_real	1373.47	0.0	686.735	0.0
load	N_1800077327	constant_power_A_reac	451.438	0.0	225.719	0.0
load	N_1800077327	constant_power_B_reac	451.438	0.0	225.719	0.0
load	N_1800007817	constant_power_A	4481.39	1569.06	2240.695	784.53
load	N_1800007817	constant_power_B	4481.39	1569.06	2240.695	784.53
load	N_1800007817	constant_power_A_real	4481.39	0.0	2240.695	0.0
load	N_1800007817	constant_power_B_real	4481.39	0.0	2240.695	0.0
load	N_1800007817	constant_power_A_reac	1569.06	0.0	784.53	0.0
load	N_1800007817	constant_power_B_reac	1569.06	0.0	784.53	0.0
load	N_1800077322	constant_power_A	1866.51	613.492	933.255	306.746
load	N_1800077322	constant_power_B	1866.51	613.492	933.255	306.746
load	N_1800077322	constant_power_A_real	1866.51	0.0	933.255	0.0
load	N_1800077322	constant_power_B_real	1866.51	0.0	933.255	0.0
load	N_1800077322	constant_power_A_reac	613.492	0.0	306.746	0.0
load	N_1800077322	constant_power_B_reac	613.492	0.0	306.746	0.0
load	N_1800007543	constant_power_A	805.593	264.786	402.7965	132.393
load	N_1800007543	constant_power_B	805.593	264.786	402.7965	132.393
load	N_1800007543	constant_power_A_real	805.593	0.0	402.7965	0.0
load	N_1800007543	constant_power_B_real	805.593	0.0	402.7965	0.0
load	N_1800007543	constant_power_A_reac	264.786	0.0	132.393	0.0
load	N_1800007543	constant_power_B_reac	264.786	0.0	132.393	0.0
load	N_1800037743	constant_power_A	1941.35	638.09	970.675	319.045
load	N_1800037743	constant_power_C	1941.35	638.09	970.675	319.045
load	N_1800037743	constant_power_A_real	1941.35	0.0	970.675	0.0
load	N_1800037743	constant_power_C_real	1941.35	0.0	970.675	0.0
load	N_1800037743	constant_power_A_reac	638.09	0.0	319.045	0.0
load	N_1800037743	constant_power_C_reac	638.09	0.0	319.045	0.0
load	N_1800040172	constant_power_A	14000.0	8676.42	7000.0	4338.21
load	N_1800040172	constant_power_B	14000.0	8676.42	7000.0	4338.21
load	N_1800040172	constant_power_C	14000.0	8676.42	7000.0	4338.21
load	N_1800040172	constant_power_A_real	14000.0	0.0	7000.0	0.0
load	N_1800040172	constant_power_B_real	14000.0	0.0	7000.0	0.0
load	N_1800040172	constant_power_C_real	14000.0	0.0	7000.0	0.0
load	N_1800040172	constant_power_A_reac	8676.42	0.0	4338.21	0.0
load	N_1800040172	constant_power_B_reac	8676.42	0.0	4338.21	0.0
load	N_1800040172	constant_power_C_reac	8676.42	0.0	4338.21	0.0
load	N_1800040171	constant_power_A	1731.51	569.12	865.755	284.56
load	N_1800040171	constant_power_B	1731.51	569.12	865.755	284.56
load	N_1800040171	constant_power_C	1731.51	569.12	865.755	284.56
load	N_1800040171	constant_power_A_real	1731.51	0.0	865.755	0.0
load	N_1800040171	constant_power_B_real	1731.51	0.0	865.755	0.0
load	N_1800040171	constant_power_C_real	1731.51	0.0	865.755	0.0
load	N_1800040171	constant_power_A_reac	569.12	0.0	284.56	0.0
load	N_1800040171	constant_power_B_reac	569.12	0.0	284.56	0.0
load	N_1800040171	constant_power_C_reac	569.12	0.0	284.56	0.0
load	N_1800070040	constant_power_A	576.681	189.546	288.3405	94.773
load	N_1800070040	constant_power_B	576.681	189.546	288.3405	94.773
load	N_1800070040	constant_power_A_real	576.681	0.0	288.3405	0.0
load	N_1800070040	constant_power_B_real	576.681	0.0	288.3405	0.0
load	N_1800070040	constant_power_A_reac	189.546	0.0	94.773	0.0
load	N_1800070040	constant_power_B_reac	189.546	0.0	94.773	0.0
load	N_1800043151	constant_power_A	2658.9	873.937	1329.45	436.9685
load	N_1800043151	constant_power_B	2658.9	873.937	1329.45	436.9685
load	N_1800043151	constant_power_A_real	2658.9	0.0	1329.45	0.0
load	N_1800043151	constant_power_B_real	2658.9	0.0	1329.45	0.0
load	N_1800043151	constant_power_A_reac	873.937	0.0	436.9685	0.0
load	N_1800043151	constant_power_B_reac	873.937	0.0	436.9685	0.0
load	N_1800030185	constant_power_A	10635.6	3495.75	5317.8	1747.875
load	N_1800030185	constant_power_A_real	10635.6	0.0	5317.8	0.0
load	N_1800030185	constant_power_A_reac	3495.75	0.0	1747.875	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800030186	constant_power_A	10926.1	3591.24	5463.05	1795.62
load	N_1800030186	constant_power_A_real	10926.1	0.0	5463.05	0.0
load	N_1800030186	constant_power_A_reac	3591.24	0.0	1795.62	0.0
load	N_1800072308	constant_power_A	2293.52	753.843	1146.76	376.9215
load	N_1800072308	constant_power_B	2293.52	753.843	1146.76	376.9215
load	N_1800072308	constant_power_A_real	2293.52	0.0	1146.76	0.0
load	N_1800072308	constant_power_B_real	2293.52	0.0	1146.76	0.0
load	N_1800072308	constant_power_A_reac	753.843	0.0	376.9215	0.0
load	N_1800072308	constant_power_B_reac	753.843	0.0	376.9215	0.0
load	N_1800072304	constant_power_A	7056.64	2319.41	3528.32	1159.705
load	N_1800072304	constant_power_B	7056.64	2319.41	3528.32	1159.705
load	N_1800072304	constant_power_A_real	7056.64	0.0	3528.32	0.0
load	N_1800072304	constant_power_B_real	7056.64	0.0	3528.32	0.0
load	N_1800072304	constant_power_A_reac	2319.41	0.0	1159.705	0.0
load	N_1800072304	constant_power_B_reac	2319.41	0.0	1159.705	0.0
load	N_1800072307	constant_power_A	735.158	241.635	367.579	120.8175
load	N_1800072307	constant_power_B	735.158	241.635	367.579	120.8175
load	N_1800072307	constant_power_A_real	735.158	0.0	367.579	0.0
load	N_1800072307	constant_power_B_real	735.158	0.0	367.579	0.0
load	N_1800072307	constant_power_A_reac	241.635	0.0	120.8175	0.0
load	N_1800072307	constant_power_B_reac	241.635	0.0	120.8175	0.0
load	N_1800202643	constant_power_A	3853.34	2388.09	1926.67	1194.045
load	N_1800202643	constant_power_B	3853.34	2388.09	1926.67	1194.045
load	N_1800202643	constant_power_C	3853.34	2388.09	1926.67	1194.045
load	N_1800202643	constant_power_A_real	3853.34	0.0	1926.67	0.0
load	N_1800202643	constant_power_B_real	3853.34	0.0	1926.67	0.0
load	N_1800202643	constant_power_C_real	3853.34	0.0	1926.67	0.0
load	N_1800202643	constant_power_A_reac	2388.09	0.0	1194.045	0.0
load	N_1800202643	constant_power_B_reac	2388.09	0.0	1194.045	0.0
load	N_1800202643	constant_power_C_reac	2388.09	0.0	1194.045	0.0
load	N_1800070519	constant_power_A	12867.5	7974.54	6433.75	3987.27
load	N_1800070519	constant_power_B	12867.5	7974.54	6433.75	3987.27
load	N_1800070519	constant_power_A_real	12867.5	0.0	6433.75	0.0
load	N_1800070519	constant_power_B_real	12867.5	0.0	6433.75	0.0
load	N_1800070519	constant_power_A_reac	7974.54	0.0	3987.27	0.0
load	N_1800070519	constant_power_B_reac	7974.54	0.0	3987.27	0.0
load	N_1800031105	constant_power_A	1633.2	536.806	816.6	268.403
load	N_1800031105	constant_power_B	1633.2	536.806	816.6	268.403
load	N_1800031105	constant_power_A_real	1633.2	0.0	816.6	0.0
load	N_1800031105	constant_power_B_real	1633.2	0.0	816.6	0.0
load	N_1800031105	constant_power_A_reac	536.806	0.0	268.403	0.0
load	N_1800031105	constant_power_B_reac	536.806	0.0	268.403	0.0
load	N_1800031104	constant_power_A	3512.91	1154.64	1756.455	577.32
load	N_1800031104	constant_power_B	3512.91	1154.64	1756.455	577.32
load	N_1800031104	constant_power_A_real	3512.91	0.0	1756.455	0.0
load	N_1800031104	constant_power_B_real	3512.91	0.0	1756.455	0.0
load	N_1800031104	constant_power_A_reac	1154.64	0.0	577.32	0.0
load	N_1800031104	constant_power_B_reac	1154.64	0.0	577.32	0.0
load	N_1800031108	constant_power_A	6308.27	3909.52	3154.135	1954.76
load	N_1800031108	constant_power_B	6308.27	3909.52	3154.135	1954.76
load	N_1800031108	constant_power_A_real	6308.27	0.0	3154.135	0.0
load	N_1800031108	constant_power_B_real	6308.27	0.0	3154.135	0.0
load	N_1800031108	constant_power_A_reac	3909.52	0.0	1954.76	0.0
load	N_1800031108	constant_power_B_reac	3909.52	0.0	1954.76	0.0
load	N_1800073149	constant_power_A	902.44	296.618	451.22	148.309
load	N_1800073149	constant_power_B	902.44	296.618	451.22	148.309
load	N_1800073149	constant_power_A_real	902.44	0.0	451.22	0.0
load	N_1800073149	constant_power_B_real	902.44	0.0	451.22	0.0
load	N_1800073149	constant_power_A_reac	296.618	0.0	148.309	0.0
load	N_1800073149	constant_power_B_reac	296.618	0.0	148.309	0.0
load	N_1800073147	constant_power_A	3187.15	1047.57	1593.575	523.785
load	N_1800073147	constant_power_B	3187.15	1047.57	1593.575	523.785
load	N_1800073147	constant_power_A_real	3187.15	0.0	1593.575	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073147	constant_power_B_real	3187.15	0.0	1593.575	0.0
load	N_1800073147	constant_power_A_reac	1047.57	0.0	523.785	0.0
load	N_1800073147	constant_power_B_reac	1047.57	0.0	523.785	0.0
load	N_1800073146	constant_power_A	4353.72	1431.0	2176.86	715.5
load	N_1800073146	constant_power_B	4353.72	1431.0	2176.86	715.5
load	N_1800073146	constant_power_A_real	4353.72	0.0	2176.86	0.0
load	N_1800073146	constant_power_B_real	4353.72	0.0	2176.86	0.0
load	N_1800073146	constant_power_A_reac	1431.0	0.0	715.5	0.0
load	N_1800073146	constant_power_B_reac	1431.0	0.0	715.5	0.0
load	N_1800073141	constant_power_A	2126.24	698.86	1063.12	349.43
load	N_1800073141	constant_power_B	2126.24	698.86	1063.12	349.43
load	N_1800073141	constant_power_A_real	2126.24	0.0	1063.12	0.0
load	N_1800073141	constant_power_B_real	2126.24	0.0	1063.12	0.0
load	N_1800073141	constant_power_A_reac	698.86	0.0	349.43	0.0
load	N_1800073141	constant_power_B_reac	698.86	0.0	349.43	0.0
load	N_1800073143	constant_power_A	1796.08	590.342	898.04	295.171
load	N_1800073143	constant_power_B	1796.08	590.342	898.04	295.171
load	N_1800073143	constant_power_A_real	1796.08	0.0	898.04	0.0
load	N_1800073143	constant_power_B_real	1796.08	0.0	898.04	0.0
load	N_1800073143	constant_power_A_reac	590.342	0.0	295.171	0.0
load	N_1800073143	constant_power_B_reac	590.342	0.0	295.171	0.0
load	N_1800073142	constant_power_A	2980.25	979.562	1490.125	489.781
load	N_1800073142	constant_power_B	2980.25	979.562	1490.125	489.781
load	N_1800073142	constant_power_A_real	2980.25	0.0	1490.125	0.0
load	N_1800073142	constant_power_B_real	2980.25	0.0	1490.125	0.0
load	N_1800073142	constant_power_A_reac	979.562	0.0	489.781	0.0
load	N_1800073142	constant_power_B_reac	979.562	0.0	489.781	0.0
load	N_1800072414	constant_power_A	202.499	66.5581	101.2495	33.27905
load	N_1800072414	constant_power_B	202.499	66.5581	101.2495	33.27905
load	N_1800072414	constant_power_C	202.499	66.5581	101.2495	33.27905
load	N_1800072414	constant_power_A_real	202.499	0.0	101.2495	0.0
load	N_1800072414	constant_power_B_real	202.499	0.0	101.2495	0.0
load	N_1800072414	constant_power_C_real	202.499	0.0	101.2495	0.0
load	N_1800072414	constant_power_A_reac	66.5581	0.0	33.27905	0.0
load	N_1800072414	constant_power_B_reac	66.5581	0.0	33.27905	0.0
load	N_1800072414	constant_power_C_reac	66.5581	0.0	33.27905	0.0
load	N_1800024230	constant_power_A	5802.03	3595.77	2901.015	1797.885
load	N_1800024230	constant_power_B	5802.03	3595.77	2901.015	1797.885
load	N_1800024230	constant_power_C	5802.03	3595.77	2901.015	1797.885
load	N_1800024230	constant_power_A_real	5802.03	0.0	2901.015	0.0
load	N_1800024230	constant_power_B_real	5802.03	0.0	2901.015	0.0
load	N_1800024230	constant_power_C_real	5802.03	0.0	2901.015	0.0
load	N_1800024230	constant_power_A_reac	3595.77	0.0	1797.885	0.0
load	N_1800024230	constant_power_B_reac	3595.77	0.0	1797.885	0.0
load	N_1800024230	constant_power_C_reac	3595.77	0.0	1797.885	0.0
load	N_1800068619	constant_power_A	1690.42	555.615	845.21	277.8075
load	N_1800068619	constant_power_B	1690.42	555.615	845.21	277.8075
load	N_1800068619	constant_power_A_real	1690.42	0.0	845.21	0.0
load	N_1800068619	constant_power_B_real	1690.42	0.0	845.21	0.0
load	N_1800068619	constant_power_A_reac	555.615	0.0	277.8075	0.0
load	N_1800068619	constant_power_B_reac	555.615	0.0	277.8075	0.0
load	N_1800030217	constant_power_A	1681.62	557.847	840.81	278.9235
load	N_1800030217	constant_power_A_real	1681.62	0.0	840.81	0.0
load	N_1800030217	constant_power_A_reac	557.847	0.0	278.9235	0.0
load	N_1800067840	constant_power_A	2275.91	748.055	1137.955	374.0275
load	N_1800067840	constant_power_B	2275.91	748.055	1137.955	374.0275
load	N_1800067840	constant_power_A_real	2275.91	0.0	1137.955	0.0
load	N_1800067840	constant_power_B_real	2275.91	0.0	1137.955	0.0
load	N_1800067840	constant_power_A_reac	748.055	0.0	374.0275	0.0
load	N_1800067840	constant_power_B_reac	748.055	0.0	374.0275	0.0
load	N_1800067845	constant_power_A	567.877	186.652	283.9385	93.326
load	N_1800067845	constant_power_B	567.877	186.652	283.9385	93.326
load	N_1800067845	constant_power_A_real	567.877	0.0	283.9385	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067845	constant_power_B_real	567.877	0.0	283.9385	0.0
load	N_1800067845	constant_power_A_reac	186.652	0.0	93.326	0.0
load	N_1800067845	constant_power_B_reac	186.652	0.0	93.326	0.0
load	N_1800067847	constant_power_A	2562.05	857.48	1281.025	428.74
load	N_1800067847	constant_power_B	2562.05	857.48	1281.025	428.74
load	N_1800067847	constant_power_A_real	2562.05	0.0	1281.025	0.0
load	N_1800067847	constant_power_B_real	2562.05	0.0	1281.025	0.0
load	N_1800067847	constant_power_A_reac	857.48	0.0	428.74	0.0
load	N_1800067847	constant_power_B_reac	857.48	0.0	428.74	0.0
load	N_1800012019	constant_power_A	771.843	478.345	385.9215	239.1725
load	N_1800012019	constant_power_B	771.843	478.345	385.9215	239.1725
load	N_1800012019	constant_power_C	771.843	478.345	385.9215	239.1725
load	N_1800012019	constant_power_A_real	771.843	0.0	385.9215	0.0
load	N_1800012019	constant_power_B_real	771.843	0.0	385.9215	0.0
load	N_1800012019	constant_power_C_real	771.843	0.0	385.9215	0.0
load	N_1800012019	constant_power_A_reac	478.345	0.0	239.1725	0.0
load	N_1800012019	constant_power_B_reac	478.345	0.0	239.1725	0.0
load	N_1800012019	constant_power_C_reac	478.345	0.0	239.1725	0.0
load	N_1800067849	constant_power_A	481.301	158.196	240.6505	79.098
load	N_1800067849	constant_power_B	481.301	158.196	240.6505	79.098
load	N_1800067849	constant_power_C	481.301	158.196	240.6505	79.098
load	N_1800067849	constant_power_A_real	481.301	0.0	240.6505	0.0
load	N_1800067849	constant_power_B_real	481.301	0.0	240.6505	0.0
load	N_1800067849	constant_power_C_real	481.301	0.0	240.6505	0.0
load	N_1800067849	constant_power_A_reac	158.196	0.0	79.098	0.0
load	N_1800067849	constant_power_B_reac	158.196	0.0	79.098	0.0
load	N_1800067849	constant_power_C_reac	158.196	0.0	79.098	0.0
load	N_1800008185	constant_power_A	1957.49	643.395	978.745	321.6975
load	N_1800008185	constant_power_B	1957.49	643.395	978.745	321.6975
load	N_1800008185	constant_power_C	1957.49	643.395	978.745	321.6975
load	N_1800008185	constant_power_A_real	1957.49	0.0	978.745	0.0
load	N_1800008185	constant_power_B_real	1957.49	0.0	978.745	0.0
load	N_1800008185	constant_power_C_real	1957.49	0.0	978.745	0.0
load	N_1800008185	constant_power_A_reac	643.395	0.0	321.6975	0.0
load	N_1800008185	constant_power_B_reac	643.395	0.0	321.6975	0.0
load	N_1800008185	constant_power_C_reac	643.395	0.0	321.6975	0.0
load	N_1800008184	constant_power_A	7699.35	2530.65	3849.675	1265.325
load	N_1800008184	constant_power_B	7699.35	2530.65	3849.675	1265.325
load	N_1800008184	constant_power_A_real	7699.35	0.0	3849.675	0.0
load	N_1800008184	constant_power_B_real	7699.35	0.0	3849.675	0.0
load	N_1800008184	constant_power_A_reac	2530.65	0.0	1265.325	0.0
load	N_1800008184	constant_power_B_reac	2530.65	0.0	1265.325	0.0
load	N_1800023498	constant_power_A	1810.75	595.165	905.375	297.5825
load	N_1800023498	constant_power_B	1810.75	595.165	905.375	297.5825
load	N_1800023498	constant_power_C	1810.75	595.165	905.375	297.5825
load	N_1800023498	constant_power_A_real	1810.75	0.0	905.375	0.0
load	N_1800023498	constant_power_B_real	1810.75	0.0	905.375	0.0
load	N_1800023498	constant_power_C_real	1810.75	0.0	905.375	0.0
load	N_1800023498	constant_power_A_reac	595.165	0.0	297.5825	0.0
load	N_1800023498	constant_power_B_reac	595.165	0.0	297.5825	0.0
load	N_1800023498	constant_power_C_reac	595.165	0.0	297.5825	0.0
load	N_1800069072	constant_power_A	836.408	274.914	418.204	137.457
load	N_1800069072	constant_power_B	836.408	274.914	418.204	137.457
load	N_1800069072	constant_power_A_real	836.408	0.0	418.204	0.0
load	N_1800069072	constant_power_B_real	836.408	0.0	418.204	0.0
load	N_1800069072	constant_power_A_reac	274.914	0.0	137.457	0.0
load	N_1800069072	constant_power_B_reac	274.914	0.0	137.457	0.0
load	N_1800069076	constant_power_A	211.303	69.4519	105.6515	34.72595
load	N_1800069076	constant_power_B	211.303	69.4519	105.6515	34.72595
load	N_1800069076	constant_power_C	211.303	69.4519	105.6515	34.72595
load	N_1800069076	constant_power_A_real	211.303	0.0	105.6515	0.0
load	N_1800069076	constant_power_B_real	211.303	0.0	105.6515	0.0
load	N_1800069076	constant_power_C_real	211.303	0.0	105.6515	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069076	constant_power_A_reac	69.4519	0.0	34.72595	0.0
load	N_1800069076	constant_power_B_reac	69.4519	0.0	34.72595	0.0
load	N_1800069076	constant_power_C_reac	69.4519	0.0	34.72595	0.0
load	N_1800198829	constant_power_A	11932.8	7395.25	5966.4	3697.625
load	N_1800198829	constant_power_B	11932.8	7395.25	5966.4	3697.625
load	N_1800198829	constant_power_C	11932.8	7395.25	5966.4	3697.625
load	N_1800198829	constant_power_A_real	11932.8	0.0	5966.4	0.0
load	N_1800198829	constant_power_B_real	11932.8	0.0	5966.4	0.0
load	N_1800198829	constant_power_C_real	11932.8	0.0	5966.4	0.0
load	N_1800198829	constant_power_A_reac	7395.25	0.0	3697.625	0.0
load	N_1800198829	constant_power_B_reac	7395.25	0.0	3697.625	0.0
load	N_1800198829	constant_power_C_reac	7395.25	0.0	3697.625	0.0
load	N_1800069079	constant_power_A	17414.9	10792.8	8707.45	5396.4
load	N_1800069079	constant_power_B	17414.9	10792.8	8707.45	5396.4
load	N_1800069079	constant_power_C	17414.9	10792.8	8707.45	5396.4
load	N_1800069079	constant_power_A_real	17414.9	0.0	8707.45	0.0
load	N_1800069079	constant_power_B_real	17414.9	0.0	8707.45	0.0
load	N_1800069079	constant_power_C_real	17414.9	0.0	8707.45	0.0
load	N_1800069079	constant_power_A_reac	10792.8	0.0	5396.4	0.0
load	N_1800069079	constant_power_B_reac	10792.8	0.0	5396.4	0.0
load	N_1800069079	constant_power_C_reac	10792.8	0.0	5396.4	0.0
load	N_1800069625	constant_power_A	1096.13	360.282	548.065	180.141
load	N_1800069625	constant_power_B	1096.13	360.282	548.065	180.141
load	N_1800069625	constant_power_A_real	1096.13	0.0	548.065	0.0
load	N_1800069625	constant_power_B_real	1096.13	0.0	548.065	0.0
load	N_1800069625	constant_power_A_reac	360.282	0.0	180.141	0.0
load	N_1800069625	constant_power_B_reac	360.282	0.0	180.141	0.0
load	N_1800069196	constant_power_A	1228.2	403.689	614.1	201.8445
load	N_1800069196	constant_power_B	1228.2	403.689	614.1	201.8445
load	N_1800069196	constant_power_A_real	1228.2	0.0	614.1	0.0
load	N_1800069196	constant_power_B_real	1228.2	0.0	614.1	0.0
load	N_1800069196	constant_power_A_reac	403.689	0.0	201.8445	0.0
load	N_1800069196	constant_power_B_reac	403.689	0.0	201.8445	0.0
load	N_1800072527	constant_power_A	1307.44	429.734	653.72	214.867
load	N_1800072527	constant_power_B	1307.44	429.734	653.72	214.867
load	N_1800072527	constant_power_A_real	1307.44	0.0	653.72	0.0
load	N_1800072527	constant_power_B_real	1307.44	0.0	653.72	0.0
load	N_1800072527	constant_power_A_reac	429.734	0.0	214.867	0.0
load	N_1800072527	constant_power_B_reac	429.734	0.0	214.867	0.0
load	N_1800072528	constant_power_A	52.826	17.3631	26.413	8.68155
load	N_1800072528	constant_power_B	52.826	17.3631	26.413	8.68155
load	N_1800072528	constant_power_A_real	52.826	0.0	26.413	0.0
load	N_1800072528	constant_power_B_real	52.826	0.0	26.413	0.0
load	N_1800072528	constant_power_A_reac	17.3631	0.0	8.68155	0.0
load	N_1800072528	constant_power_B_reac	17.3631	0.0	8.68155	0.0
load	N_1800070239	constant_power_A	761.571	250.316	380.7855	125.158
load	N_1800070239	constant_power_B	761.571	250.316	380.7855	125.158
load	N_1800070239	constant_power_A_real	761.571	0.0	380.7855	0.0
load	N_1800070239	constant_power_B_real	761.571	0.0	380.7855	0.0
load	N_1800070239	constant_power_A_reac	250.316	0.0	125.158	0.0
load	N_1800070239	constant_power_B_reac	250.316	0.0	125.158	0.0
load	N_1800071011	constant_power_A	3266.39	1073.61	1633.195	536.805
load	N_1800071011	constant_power_B	3266.39	1073.61	1633.195	536.805
load	N_1800071011	constant_power_A_real	3266.39	0.0	1633.195	0.0
load	N_1800071011	constant_power_B_real	3266.39	0.0	1633.195	0.0
load	N_1800071011	constant_power_A_reac	1073.61	0.0	536.805	0.0
load	N_1800071011	constant_power_B_reac	1073.61	0.0	536.805	0.0
load	N_1800071010	constant_power_A	1157.76	380.539	578.88	190.2695
load	N_1800071010	constant_power_B	1157.76	380.539	578.88	190.2695
load	N_1800071010	constant_power_A_real	1157.76	0.0	578.88	0.0
load	N_1800071010	constant_power_B_real	1157.76	0.0	578.88	0.0
load	N_1800071010	constant_power_A_reac	380.539	0.0	190.2695	0.0
load	N_1800071010	constant_power_B_reac	380.539	0.0	190.2695	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067939	constant_power_A	2381.56	782.781	1190.78	391.3905
load	N_1800067939	constant_power_B	2381.56	782.781	1190.78	391.3905
load	N_1800067939	constant_power_A_real	2381.56	0.0	1190.78	0.0
load	N_1800067939	constant_power_B_real	2381.56	0.0	1190.78	0.0
load	N_1800067939	constant_power_A_reac	782.781	0.0	391.3905	0.0
load	N_1800067939	constant_power_B_reac	782.781	0.0	391.3905	0.0
load	N_1800035339	constant_power_A	845.212	277.808	422.606	138.904
load	N_1800035339	constant_power_B	845.212	277.808	422.606	138.904
load	N_1800035339	constant_power_A_real	845.212	0.0	422.606	0.0
load	N_1800035339	constant_power_B_real	845.212	0.0	422.606	0.0
load	N_1800035339	constant_power_A_reac	277.808	0.0	138.904	0.0
load	N_1800035339	constant_power_B_reac	277.808	0.0	138.904	0.0
load	N_1800070018	constant_power_A	1932.54	635.196	966.27	317.598
load	N_1800070018	constant_power_B	1932.54	635.196	966.27	317.598
load	N_1800070018	constant_power_A_real	1932.54	0.0	966.27	0.0
load	N_1800070018	constant_power_B_real	1932.54	0.0	966.27	0.0
load	N_1800070018	constant_power_A_reac	635.196	0.0	317.598	0.0
load	N_1800070018	constant_power_B_reac	635.196	0.0	317.598	0.0
load	N_1800070019	constant_power_A	365.378	226.441	182.689	113.2205
load	N_1800070019	constant_power_B	365.378	226.441	182.689	113.2205
load	N_1800070019	constant_power_A_real	365.378	0.0	182.689	0.0
load	N_1800070019	constant_power_B_real	365.378	0.0	182.689	0.0
load	N_1800070019	constant_power_A_reac	226.441	0.0	113.2205	0.0
load	N_1800070019	constant_power_B_reac	226.441	0.0	113.2205	0.0
load	N_1800067934	constant_power_A	431.41	141.798	215.705	70.899
load	N_1800067934	constant_power_B	431.41	141.798	215.705	70.899
load	N_1800067934	constant_power_A_real	431.41	0.0	215.705	0.0
load	N_1800067934	constant_power_B_real	431.41	0.0	215.705	0.0
load	N_1800067934	constant_power_A_reac	141.798	0.0	70.899	0.0
load	N_1800067934	constant_power_B_reac	141.798	0.0	70.899	0.0
load	N_1800035336	constant_power_A	877.494	543.822	438.747	271.911
load	N_1800035336	constant_power_B	877.494	543.822	438.747	271.911
load	N_1800035336	constant_power_C	877.494	543.822	438.747	271.911
load	N_1800035336	constant_power_A_real	877.494	0.0	438.747	0.0
load	N_1800035336	constant_power_B_real	877.494	0.0	438.747	0.0
load	N_1800035336	constant_power_C_real	877.494	0.0	438.747	0.0
load	N_1800035336	constant_power_A_reac	543.822	0.0	271.911	0.0
load	N_1800035336	constant_power_B_reac	543.822	0.0	271.911	0.0
load	N_1800035336	constant_power_C_reac	543.822	0.0	271.911	0.0
load	N_1800035337	constant_power_A	466.627	153.373	233.3135	76.6865
load	N_1800035337	constant_power_B	466.627	153.373	233.3135	76.6865
load	N_1800035337	constant_power_A_real	466.627	0.0	233.3135	0.0
load	N_1800035337	constant_power_B_real	466.627	0.0	233.3135	0.0
load	N_1800035337	constant_power_A_reac	153.373	0.0	76.6865	0.0
load	N_1800035337	constant_power_B_reac	153.373	0.0	76.6865	0.0
load	N_1800035330	constant_power_A	638.311	209.803	319.1555	104.9015
load	N_1800035330	constant_power_B	638.311	209.803	319.1555	104.9015
load	N_1800035330	constant_power_A_real	638.311	0.0	319.1555	0.0
load	N_1800035330	constant_power_B_real	638.311	0.0	319.1555	0.0
load	N_1800035330	constant_power_A_reac	209.803	0.0	104.9015	0.0
load	N_1800035330	constant_power_B_reac	209.803	0.0	104.9015	0.0
load	N_1800067933	constant_power_A	686.735	225.719	343.3675	112.8595
load	N_1800067933	constant_power_B	686.735	225.719	343.3675	112.8595
load	N_1800067933	constant_power_A_real	686.735	0.0	343.3675	0.0
load	N_1800067933	constant_power_B_real	686.735	0.0	343.3675	0.0
load	N_1800067933	constant_power_A_reac	225.719	0.0	112.8595	0.0
load	N_1800067933	constant_power_B_reac	225.719	0.0	112.8595	0.0
load	N_1800067932	constant_power_A	12149.9	3993.49	6074.95	1996.745
load	N_1800067932	constant_power_B	12149.9	3993.49	6074.95	1996.745
load	N_1800067932	constant_power_A_real	12149.9	0.0	6074.95	0.0
load	N_1800067932	constant_power_B_real	12149.9	0.0	6074.95	0.0
load	N_1800067932	constant_power_A_reac	3993.49	0.0	1996.745	0.0
load	N_1800067932	constant_power_B_reac	3993.49	0.0	1996.745	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069388	constant_power_A	409.4	134.563	204.7	67.2815
load	N_1800069388	constant_power_C	409.4	134.563	204.7	67.2815
load	N_1800069388	constant_power_A_real	409.4	0.0	204.7	0.0
load	N_1800069388	constant_power_C_real	409.4	0.0	204.7	0.0
load	N_1800069388	constant_power_A_reac	134.563	0.0	67.2815	0.0
load	N_1800069388	constant_power_C_reac	134.563	0.0	67.2815	0.0
load	N_1800068253	constant_power_A	2518.03	827.636	1259.015	413.818
load	N_1800068253	constant_power_B	2518.03	827.636	1259.015	413.818
load	N_1800068253	constant_power_A_real	2518.03	0.0	1259.015	0.0
load	N_1800068253	constant_power_B_real	2518.03	0.0	1259.015	0.0
load	N_1800068253	constant_power_A_reac	827.636	0.0	413.818	0.0
load	N_1800068253	constant_power_B_reac	827.636	0.0	413.818	0.0
load	N_1800068252	constant_power_A	3675.79	1208.17	1837.895	604.085
load	N_1800068252	constant_power_B	3675.79	1208.17	1837.895	604.085
load	N_1800068252	constant_power_A_real	3675.79	0.0	1837.895	0.0
load	N_1800068252	constant_power_B_real	3675.79	0.0	1837.895	0.0
load	N_1800068252	constant_power_A_reac	1208.17	0.0	604.085	0.0
load	N_1800068252	constant_power_B_reac	1208.17	0.0	604.085	0.0
load	N_1800068256	constant_power_A	2187.87	719.117	1093.935	359.5585
load	N_1800068256	constant_power_B	2187.87	719.117	1093.935	359.5585
load	N_1800068256	constant_power_A_real	2187.87	0.0	1093.935	0.0
load	N_1800068256	constant_power_B_real	2187.87	0.0	1093.935	0.0
load	N_1800068256	constant_power_A_reac	719.117	0.0	359.5585	0.0
load	N_1800068256	constant_power_B_reac	719.117	0.0	359.5585	0.0
load	N_1800069386	constant_power_A	2227.49	732.139	1113.745	366.0695
load	N_1800069386	constant_power_C	2227.49	732.139	1113.745	366.0695
load	N_1800069386	constant_power_A_real	2227.49	0.0	1113.745	0.0
load	N_1800069386	constant_power_C_real	2227.49	0.0	1113.745	0.0
load	N_1800069386	constant_power_A_reac	732.139	0.0	366.0695	0.0
load	N_1800069386	constant_power_C_reac	732.139	0.0	366.0695	0.0
load	N_1800027026	constant_power_A	17162.5	5641.04	8581.25	2820.52
load	N_1800027026	constant_power_B	17162.5	5641.04	8581.25	2820.52
load	N_1800027026	constant_power_C	17162.5	5641.04	8581.25	2820.52
load	N_1800027026	constant_power_A_real	17162.5	0.0	8581.25	0.0
load	N_1800027026	constant_power_B_real	17162.5	0.0	8581.25	0.0
load	N_1800027026	constant_power_C_real	17162.5	0.0	8581.25	0.0
load	N_1800027026	constant_power_A_reac	5641.04	0.0	2820.52	0.0
load	N_1800027026	constant_power_B_reac	5641.04	0.0	2820.52	0.0
load	N_1800027026	constant_power_C_reac	5641.04	0.0	2820.52	0.0
load	N_1800033854	constant_power_A	3416.07	1122.81	1708.035	561.405
load	N_1800033854	constant_power_B	3416.07	1122.81	1708.035	561.405
load	N_1800033854	constant_power_A_real	3416.07	0.0	1708.035	0.0
load	N_1800033854	constant_power_B_real	3416.07	0.0	1708.035	0.0
load	N_1800033854	constant_power_A_reac	1122.81	0.0	561.405	0.0
load	N_1800033854	constant_power_B_reac	1122.81	0.0	561.405	0.0
load	N_1800072638	constant_power_A	805.593	264.786	402.7965	132.393
load	N_1800072638	constant_power_B	805.593	264.786	402.7965	132.393
load	N_1800072638	constant_power_A_real	805.593	0.0	402.7965	0.0
load	N_1800072638	constant_power_B_real	805.593	0.0	402.7965	0.0
load	N_1800072638	constant_power_A_reac	264.786	0.0	132.393	0.0
load	N_1800072638	constant_power_B_reac	264.786	0.0	132.393	0.0
load	N_1800072639	constant_power_A	528.258	173.63	264.129	86.815
load	N_1800072639	constant_power_B	528.258	173.63	264.129	86.815
load	N_1800072639	constant_power_A_real	528.258	0.0	264.129	0.0
load	N_1800072639	constant_power_B_real	528.258	0.0	264.129	0.0
load	N_1800072639	constant_power_A_reac	173.63	0.0	86.815	0.0
load	N_1800072639	constant_power_B_reac	173.63	0.0	86.815	0.0
load	N_1800072634	constant_power_A	58.6953	36.3761	29.34765	18.18805
load	N_1800072634	constant_power_B	58.6953	36.3761	29.34765	18.18805
load	N_1800072634	constant_power_C	58.6953	36.3761	29.34765	18.18805
load	N_1800072634	constant_power_A_real	58.6953	0.0	29.34765	0.0
load	N_1800072634	constant_power_B_real	58.6953	0.0	29.34765	0.0
load	N_1800072634	constant_power_C_real	58.6953	0.0	29.34765	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072634	constant_power_A_reac	36.3761	0.0	18.18805	0.0
load	N_1800072634	constant_power_B_reac	36.3761	0.0	18.18805	0.0
load	N_1800072634	constant_power_C_reac	36.3761	0.0	18.18805	0.0
load	N_1800072635	constant_power_A	1141.62	375.233	570.81	187.6165
load	N_1800072635	constant_power_B	1141.62	375.233	570.81	187.6165
load	N_1800072635	constant_power_C	1141.62	375.233	570.81	187.6165
load	N_1800072635	constant_power_A_real	1141.62	0.0	570.81	0.0
load	N_1800072635	constant_power_B_real	1141.62	0.0	570.81	0.0
load	N_1800072635	constant_power_C_real	1141.62	0.0	570.81	0.0
load	N_1800072635	constant_power_A_reac	375.233	0.0	187.6165	0.0
load	N_1800072635	constant_power_B_reac	375.233	0.0	187.6165	0.0
load	N_1800072635	constant_power_C_reac	375.233	0.0	187.6165	0.0
load	N_1800029421	constant_power_A	537.062	176.524	268.531	88.262
load	N_1800029421	constant_power_B	537.062	176.524	268.531	88.262
load	N_1800029421	constant_power_A_real	537.062	0.0	268.531	0.0
load	N_1800029421	constant_power_B_real	537.062	0.0	268.531	0.0
load	N_1800029421	constant_power_A_reac	176.524	0.0	88.262	0.0
load	N_1800029421	constant_power_B_reac	176.524	0.0	88.262	0.0
load	N_1800069819	constant_power_A	1631.73	536.323	815.865	268.1615
load	N_1800069819	constant_power_B	1631.73	536.323	815.865	268.1615
load	N_1800069819	constant_power_C	1631.73	536.323	815.865	268.1615
load	N_1800069819	constant_power_A_real	1631.73	0.0	815.865	0.0
load	N_1800069819	constant_power_B_real	1631.73	0.0	815.865	0.0
load	N_1800069819	constant_power_C_real	1631.73	0.0	815.865	0.0
load	N_1800069819	constant_power_A_reac	536.323	0.0	268.1615	0.0
load	N_1800069819	constant_power_B_reac	536.323	0.0	268.1615	0.0
load	N_1800069819	constant_power_C_reac	536.323	0.0	268.1615	0.0
load	N_1800071301	constant_power_A	1553.96	510.761	776.98	255.3805
load	N_1800071301	constant_power_B	1553.96	510.761	776.98	255.3805
load	N_1800071301	constant_power_A_real	1553.96	0.0	776.98	0.0
load	N_1800071301	constant_power_B_real	1553.96	0.0	776.98	0.0
load	N_1800071301	constant_power_A_reac	510.761	0.0	255.3805	0.0
load	N_1800071301	constant_power_B_reac	510.761	0.0	255.3805	0.0
load	N_1800071302	constant_power_A	959.668	315.428	479.834	157.714
load	N_1800071302	constant_power_B	959.668	315.428	479.834	157.714
load	N_1800071302	constant_power_A_real	959.668	0.0	479.834	0.0
load	N_1800071302	constant_power_B_real	959.668	0.0	479.834	0.0
load	N_1800071302	constant_power_A_reac	315.428	0.0	157.714	0.0
load	N_1800071302	constant_power_B_reac	315.428	0.0	157.714	0.0
load	N_1800067629	constant_power_A	1303.04	428.287	651.52	214.1435
load	N_1800067629	constant_power_B	1303.04	428.287	651.52	214.1435
load	N_1800067629	constant_power_A_real	1303.04	0.0	651.52	0.0
load	N_1800067629	constant_power_B_real	1303.04	0.0	651.52	0.0
load	N_1800067629	constant_power_A_reac	428.287	0.0	214.1435	0.0
load	N_1800067629	constant_power_B_reac	428.287	0.0	214.1435	0.0
load	N_1800067628	constant_power_A	1619.99	532.465	809.995	266.2325
load	N_1800067628	constant_power_B	1619.99	532.465	809.995	266.2325
load	N_1800067628	constant_power_A_real	1619.99	0.0	809.995	0.0
load	N_1800067628	constant_power_B_real	1619.99	0.0	809.995	0.0
load	N_1800067628	constant_power_A_reac	532.465	0.0	266.2325	0.0
load	N_1800067628	constant_power_B_reac	532.465	0.0	266.2325	0.0
load	N_1800067621	constant_power_A	691.137	227.166	345.5685	113.583
load	N_1800067621	constant_power_B	691.137	227.166	345.5685	113.583
load	N_1800067621	constant_power_A_real	691.137	0.0	345.5685	0.0
load	N_1800067621	constant_power_B_real	691.137	0.0	345.5685	0.0
load	N_1800067621	constant_power_A_reac	227.166	0.0	113.583	0.0
load	N_1800067621	constant_power_B_reac	227.166	0.0	113.583	0.0
load	N_1800067622	constant_power_A	1527.55	502.08	763.775	251.04
load	N_1800067622	constant_power_B	1527.55	502.08	763.775	251.04
load	N_1800067622	constant_power_A_real	1527.55	0.0	763.775	0.0
load	N_1800067622	constant_power_B_real	1527.55	0.0	763.775	0.0
load	N_1800067622	constant_power_A_reac	502.08	0.0	251.04	0.0
load	N_1800067622	constant_power_B_reac	502.08	0.0	251.04	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067626	constant_power_A	6422.73	2111.05	3211.365	1055.525
load	N_1800067626	constant_power_B	6422.73	2111.05	3211.365	1055.525
load	N_1800067626	constant_power_A_real	6422.73	0.0	3211.365	0.0
load	N_1800067626	constant_power_B_real	6422.73	0.0	3211.365	0.0
load	N_1800067626	constant_power_A_reac	2111.05	0.0	1055.525	0.0
load	N_1800067626	constant_power_B_reac	2111.05	0.0	1055.525	0.0
load	N_1800069494	constant_power_A	8.80433	2.89384	4.402165	1.44692
load	N_1800069494	constant_power_B	8.80433	2.89384	4.402165	1.44692
load	N_1800069494	constant_power_C	8.80433	2.89384	4.402165	1.44692
load	N_1800069494	constant_power_A_real	8.80433	0.0	4.402165	0.0
load	N_1800069494	constant_power_B_real	8.80433	0.0	4.402165	0.0
load	N_1800069494	constant_power_C_real	8.80433	0.0	4.402165	0.0
load	N_1800069494	constant_power_A_reac	2.89384	0.0	1.44692	0.0
load	N_1800069494	constant_power_B_reac	2.89384	0.0	1.44692	0.0
load	N_1800069494	constant_power_C_reac	2.89384	0.0	1.44692	0.0
load	N_1800067326	constant_power_A	625.105	205.462	312.5525	102.731
load	N_1800067326	constant_power_B	625.105	205.462	312.5525	102.731
load	N_1800067326	constant_power_A_real	625.105	0.0	312.5525	0.0
load	N_1800067326	constant_power_B_real	625.105	0.0	312.5525	0.0
load	N_1800067326	constant_power_A_reac	205.462	0.0	102.731	0.0
load	N_1800067326	constant_power_B_reac	205.462	0.0	102.731	0.0
load	N_1800069497	constant_power_A	17.609	5.7878	8.8045	2.8939
load	N_1800069497	constant_power_B	17.609	5.7878	8.8045	2.8939
load	N_1800069497	constant_power_A_real	17.609	0.0	8.8045	0.0
load	N_1800069497	constant_power_B_real	17.609	0.0	8.8045	0.0
load	N_1800069497	constant_power_A_reac	5.7878	0.0	2.8939	0.0
load	N_1800069497	constant_power_B_reac	5.7878	0.0	2.8939	0.0
load	N_1800069490	constant_power_A	35878.6	22125.4	17939.3	11062.7
load	N_1800069490	constant_power_B	35878.6	22125.4	17939.3	11062.7
load	N_1800069490	constant_power_A_real	35878.6	0.0	17939.3	0.0
load	N_1800069490	constant_power_B_real	35878.6	0.0	17939.3	0.0
load	N_1800069490	constant_power_A_reac	22125.4	0.0	11062.7	0.0
load	N_1800069490	constant_power_B_reac	22125.4	0.0	11062.7	0.0
load	N_1800069491	constant_power_A	479.834	157.714	239.917	78.857
load	N_1800069491	constant_power_B	479.834	157.714	239.917	78.857
load	N_1800069491	constant_power_A_real	479.834	0.0	239.917	0.0
load	N_1800069491	constant_power_B_real	479.834	0.0	239.917	0.0
load	N_1800069491	constant_power_A_reac	157.714	0.0	78.857	0.0
load	N_1800069491	constant_power_B_reac	157.714	0.0	78.857	0.0
load	N_1800027797	constant_power_A	1052.11	345.813	526.055	172.9065
load	N_1800027797	constant_power_B	1052.11	345.813	526.055	172.9065
load	N_1800027797	constant_power_A_real	1052.11	0.0	526.055	0.0
load	N_1800027797	constant_power_B_real	1052.11	0.0	526.055	0.0
load	N_1800027797	constant_power_A_reac	345.813	0.0	172.9065	0.0
load	N_1800027797	constant_power_B_reac	345.813	0.0	172.9065	0.0
load	N_1800069493	constant_power_A	225.977	74.2749	112.9885	37.13745
load	N_1800069493	constant_power_B	225.977	74.2749	112.9885	37.13745
load	N_1800069493	constant_power_C	225.977	74.2749	112.9885	37.13745
load	N_1800069493	constant_power_A_real	225.977	0.0	112.9885	0.0
load	N_1800069493	constant_power_B_real	225.977	0.0	112.9885	0.0
load	N_1800069493	constant_power_C_real	225.977	0.0	112.9885	0.0
load	N_1800069493	constant_power_A_reac	74.2749	0.0	37.13745	0.0
load	N_1800069493	constant_power_B_reac	74.2749	0.0	37.13745	0.0
load	N_1800069493	constant_power_C_reac	74.2749	0.0	37.13745	0.0
load	N_1800070490	constant_power_A	14.6737	9.09392	7.33685	4.54696
load	N_1800070490	constant_power_B	14.6737	9.09392	7.33685	4.54696
load	N_1800070490	constant_power_C	14.6737	9.09392	7.33685	4.54696
load	N_1800070490	constant_power_A_real	14.6737	0.0	7.33685	0.0
load	N_1800070490	constant_power_B_real	14.6737	0.0	7.33685	0.0
load	N_1800070490	constant_power_C_real	14.6737	0.0	7.33685	0.0
load	N_1800070490	constant_power_A_reac	9.09392	0.0	4.54696	0.0
load	N_1800070490	constant_power_B_reac	9.09392	0.0	4.54696	0.0
load	N_1800070490	constant_power_C_reac	9.09392	0.0	4.54696	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069498	constant_power_A	898.038	295.171	449.019	147.5855
load	N_1800069498	constant_power_B	898.038	295.171	449.019	147.5855
load	N_1800069498	constant_power_A_real	898.038	0.0	449.019	0.0
load	N_1800069498	constant_power_B_real	898.038	0.0	449.019	0.0
load	N_1800069498	constant_power_A_reac	295.171	0.0	147.5855	0.0
load	N_1800069498	constant_power_B_reac	295.171	0.0	147.5855	0.0
load	N_1800068650	constant_power_A	299.346	98.3903	149.673	49.19515
load	N_1800068650	constant_power_B	299.346	98.3903	149.673	49.19515
load	N_1800068650	constant_power_A_real	299.346	0.0	149.673	0.0
load	N_1800068650	constant_power_B_real	299.346	0.0	149.673	0.0
load	N_1800068650	constant_power_A_reac	98.3903	0.0	49.19515	0.0
load	N_1800068650	constant_power_B_reac	98.3903	0.0	49.19515	0.0
load	N_1800068653	constant_power_A	1580.37	519.442	790.185	259.721
load	N_1800068653	constant_power_B	1580.37	519.442	790.185	259.721
load	N_1800068653	constant_power_A_real	1580.37	0.0	790.185	0.0
load	N_1800068653	constant_power_B_real	1580.37	0.0	790.185	0.0
load	N_1800068653	constant_power_A_reac	519.442	0.0	259.721	0.0
load	N_1800068653	constant_power_B_reac	519.442	0.0	259.721	0.0
load	N_1800068383	constant_power_A	2680.91	881.172	1340.455	440.586
load	N_1800068383	constant_power_B	2680.91	881.172	1340.455	440.586
load	N_1800068383	constant_power_A_real	2680.91	0.0	1340.455	0.0
load	N_1800068383	constant_power_B_real	2680.91	0.0	1340.455	0.0
load	N_1800068383	constant_power_A_reac	881.172	0.0	440.586	0.0
load	N_1800068383	constant_power_B_reac	881.172	0.0	440.586	0.0
load	N_1800068382	constant_power_A	814.397	267.679	407.1985	133.8395
load	N_1800068382	constant_power_B	814.397	267.679	407.1985	133.8395
load	N_1800068382	constant_power_A_real	814.397	0.0	407.1985	0.0
load	N_1800068382	constant_power_B_real	814.397	0.0	407.1985	0.0
load	N_1800068382	constant_power_A_reac	267.679	0.0	133.8395	0.0
load	N_1800068382	constant_power_B_reac	267.679	0.0	133.8395	0.0
load	N_1800069259	constant_power_A	1006.62	330.861	503.31	165.4305
load	N_1800069259	constant_power_B	1006.62	330.861	503.31	165.4305
load	N_1800069259	constant_power_C	1006.62	330.861	503.31	165.4305
load	N_1800069259	constant_power_A_real	1006.62	0.0	503.31	0.0
load	N_1800069259	constant_power_B_real	1006.62	0.0	503.31	0.0
load	N_1800069259	constant_power_C_real	1006.62	0.0	503.31	0.0
load	N_1800069259	constant_power_A_reac	330.861	0.0	165.4305	0.0
load	N_1800069259	constant_power_B_reac	330.861	0.0	165.4305	0.0
load	N_1800069259	constant_power_C_reac	330.861	0.0	165.4305	0.0
load	N_1800068387	constant_power_A	515.051	169.289	257.5255	84.6445
load	N_1800068387	constant_power_B	515.051	169.289	257.5255	84.6445
load	N_1800068387	constant_power_A_real	515.051	0.0	257.5255	0.0
load	N_1800068387	constant_power_B_real	515.051	0.0	257.5255	0.0
load	N_1800068387	constant_power_A_reac	169.289	0.0	84.6445	0.0
load	N_1800068387	constant_power_B_reac	169.289	0.0	84.6445	0.0
load	N_1800068386	constant_power_A	836.408	274.914	418.204	137.457
load	N_1800068386	constant_power_B	836.408	274.914	418.204	137.457
load	N_1800068386	constant_power_A_real	836.408	0.0	418.204	0.0
load	N_1800068386	constant_power_B_real	836.408	0.0	418.204	0.0
load	N_1800068386	constant_power_A_reac	274.914	0.0	137.457	0.0
load	N_1800068386	constant_power_B_reac	274.914	0.0	137.457	0.0
load	N_1800068384	constant_power_A	1100.54	361.729	550.27	180.8645
load	N_1800068384	constant_power_B	1100.54	361.729	550.27	180.8645
load	N_1800068384	constant_power_A_real	1100.54	0.0	550.27	0.0
load	N_1800068384	constant_power_B_real	1100.54	0.0	550.27	0.0
load	N_1800068384	constant_power_A_reac	361.729	0.0	180.8645	0.0
load	N_1800068384	constant_power_B_reac	361.729	0.0	180.8645	0.0
load	N_1800069253	constant_power_A	1573.03	517.031	786.515	258.5155
load	N_1800069253	constant_power_B	1573.03	517.031	786.515	258.5155
load	N_1800069253	constant_power_C	1573.03	517.031	786.515	258.5155
load	N_1800069253	constant_power_A_real	1573.03	0.0	786.515	0.0
load	N_1800069253	constant_power_B_real	1573.03	0.0	786.515	0.0
load	N_1800069253	constant_power_C_real	1573.03	0.0	786.515	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069253	constant_power_A_reac	517.031	0.0	258.5155	0.0
load	N_1800069253	constant_power_B_reac	517.031	0.0	258.5155	0.0
load	N_1800069253	constant_power_C_reac	517.031	0.0	258.5155	0.0
load	N_1800069250	constant_power_A	1192.98	392.114	596.49	196.057
load	N_1800069250	constant_power_B	1192.98	392.114	596.49	196.057
load	N_1800069250	constant_power_A_real	1192.98	0.0	596.49	0.0
load	N_1800069250	constant_power_B_real	1192.98	0.0	596.49	0.0
load	N_1800069250	constant_power_A_reac	392.114	0.0	196.057	0.0
load	N_1800069250	constant_power_B_reac	392.114	0.0	196.057	0.0
load	N_1800068388	constant_power_A	233.314	144.595	116.657	72.2975
load	N_1800068388	constant_power_B	233.314	144.595	116.657	72.2975
load	N_1800068388	constant_power_A_real	233.314	0.0	116.657	0.0
load	N_1800068388	constant_power_B_real	233.314	0.0	116.657	0.0
load	N_1800068388	constant_power_A_reac	144.595	0.0	72.2975	0.0
load	N_1800068388	constant_power_B_reac	144.595	0.0	72.2975	0.0
load	N_1800069256	constant_power_A	2641.29	868.149	1320.645	434.0745
load	N_1800069256	constant_power_B	2641.29	868.149	1320.645	434.0745
load	N_1800069256	constant_power_A_real	2641.29	0.0	1320.645	0.0
load	N_1800069256	constant_power_B_real	2641.29	0.0	1320.645	0.0
load	N_1800069256	constant_power_A_reac	868.149	0.0	434.0745	0.0
load	N_1800069256	constant_power_B_reac	868.149	0.0	434.0745	0.0
load	N_1800069255	constant_power_A	1555.42	511.243	777.71	255.6215
load	N_1800069255	constant_power_B	1555.42	511.243	777.71	255.6215
load	N_1800069255	constant_power_C	1555.42	511.243	777.71	255.6215
load	N_1800069255	constant_power_A_real	1555.42	0.0	777.71	0.0
load	N_1800069255	constant_power_B_real	1555.42	0.0	777.71	0.0
load	N_1800069255	constant_power_C_real	1555.42	0.0	777.71	0.0
load	N_1800069255	constant_power_A_reac	511.243	0.0	255.6215	0.0
load	N_1800069255	constant_power_B_reac	511.243	0.0	255.6215	0.0
load	N_1800069255	constant_power_C_reac	511.243	0.0	255.6215	0.0
load	N_1800069928	constant_power_A	6400.72	3966.81	3200.36	1983.405
load	N_1800069928	constant_power_B	6400.72	3966.81	3200.36	1983.405
load	N_1800069928	constant_power_C	6400.72	3966.81	3200.36	1983.405
load	N_1800069928	constant_power_A_real	6400.72	0.0	3200.36	0.0
load	N_1800069928	constant_power_B_real	6400.72	0.0	3200.36	0.0
load	N_1800069928	constant_power_C_real	6400.72	0.0	3200.36	0.0
load	N_1800069928	constant_power_A_reac	3966.81	0.0	1983.405	0.0
load	N_1800069928	constant_power_B_reac	3966.81	0.0	1983.405	0.0
load	N_1800069928	constant_power_C_reac	3966.81	0.0	1983.405	0.0
load	N_1800011207	constant_power_A	4543.02	1493.22	2271.51	746.61
load	N_1800011207	constant_power_A_real	4543.02	0.0	2271.51	0.0
load	N_1800011207	constant_power_A_reac	1493.22	0.0	746.61	0.0
load	N_1800029464	constant_power_A	1333.85	438.415	666.925	219.2075
load	N_1800029464	constant_power_B	1333.85	438.415	666.925	219.2075
load	N_1800029464	constant_power_A_real	1333.85	0.0	666.925	0.0
load	N_1800029464	constant_power_B_real	1333.85	0.0	666.925	0.0
load	N_1800029464	constant_power_A_reac	438.415	0.0	219.2075	0.0
load	N_1800029464	constant_power_B_reac	438.415	0.0	219.2075	0.0
load	N_1800029467	constant_power_A	942.059	309.64	471.0295	154.82
load	N_1800029467	constant_power_B	942.059	309.64	471.0295	154.82
load	N_1800029467	constant_power_A_real	942.059	0.0	471.0295	0.0
load	N_1800029467	constant_power_B_real	942.059	0.0	471.0295	0.0
load	N_1800029467	constant_power_A_reac	309.64	0.0	154.82	0.0
load	N_1800029467	constant_power_B_reac	309.64	0.0	154.82	0.0
load	N_1800029461	constant_power_A	1228.2	761.169	614.1	380.5845
load	N_1800029461	constant_power_B	1228.2	761.169	614.1	380.5845
load	N_1800029461	constant_power_A_real	1228.2	0.0	614.1	0.0
load	N_1800029461	constant_power_B_real	1228.2	0.0	614.1	0.0
load	N_1800029461	constant_power_A_reac	761.169	0.0	380.5845	0.0
load	N_1800029461	constant_power_B_reac	761.169	0.0	380.5845	0.0
load	N_1800029460	constant_power_A	1166.57	383.433	583.285	191.7165
load	N_1800029460	constant_power_B	1166.57	383.433	583.285	191.7165
load	N_1800029460	constant_power_A_real	1166.57	0.0	583.285	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800029460	constant_power_B_real	1166.57	0.0	583.285	0.0
load	N_1800029460	constant_power_A_reac	383.433	0.0	191.7165	0.0
load	N_1800029460	constant_power_B_reac	383.433	0.0	191.7165	0.0
load	N_1800029463	constant_power_A	5802.03	1907.03	2901.015	953.515
load	N_1800029463	constant_power_B	5802.03	1907.03	2901.015	953.515
load	N_1800029463	constant_power_A_real	5802.03	0.0	2901.015	0.0
load	N_1800029463	constant_power_B_real	5802.03	0.0	2901.015	0.0
load	N_1800029463	constant_power_A_reac	1907.03	0.0	953.515	0.0
load	N_1800029463	constant_power_B_reac	1907.03	0.0	953.515	0.0
load	N_1800069298	constant_power_A	57.228	18.8099	28.614	9.40495
load	N_1800069298	constant_power_B	57.228	18.8099	28.614	9.40495
load	N_1800069298	constant_power_A_real	57.228	0.0	28.614	0.0
load	N_1800069298	constant_power_B_real	57.228	0.0	28.614	0.0
load	N_1800069298	constant_power_A_reac	18.8099	0.0	9.40495	0.0
load	N_1800069298	constant_power_B_reac	18.8099	0.0	9.40495	0.0
load	N_1800068251	constant_power_A	770.376	253.21	385.188	126.605
load	N_1800068251	constant_power_B	770.376	253.21	385.188	126.605
load	N_1800068251	constant_power_A_real	770.376	0.0	385.188	0.0
load	N_1800068251	constant_power_B_real	770.376	0.0	385.188	0.0
load	N_1800068251	constant_power_A_reac	253.21	0.0	126.605	0.0
load	N_1800068251	constant_power_B_reac	253.21	0.0	126.605	0.0
load	N_1800072899	constant_power_A	1552.49	510.279	776.245	255.1395
load	N_1800072899	constant_power_B	1552.49	510.279	776.245	255.1395
load	N_1800072899	constant_power_C	1552.49	510.279	776.245	255.1395
load	N_1800072899	constant_power_A_real	1552.49	0.0	776.245	0.0
load	N_1800072899	constant_power_B_real	1552.49	0.0	776.245	0.0
load	N_1800072899	constant_power_C_real	1552.49	0.0	776.245	0.0
load	N_1800072899	constant_power_A_reac	510.279	0.0	255.1395	0.0
load	N_1800072899	constant_power_B_reac	510.279	0.0	255.1395	0.0
load	N_1800072899	constant_power_C_reac	510.279	0.0	255.1395	0.0
load	N_1800067714	constant_power_A	2205.47	724.905	1102.735	362.4525
load	N_1800067714	constant_power_B	2205.47	724.905	1102.735	362.4525
load	N_1800067714	constant_power_A_real	2205.47	0.0	1102.735	0.0
load	N_1800067714	constant_power_B_real	2205.47	0.0	1102.735	0.0
load	N_1800067714	constant_power_A_reac	724.905	0.0	362.4525	0.0
load	N_1800067714	constant_power_B_reac	724.905	0.0	362.4525	0.0
load	N_1800068031	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800068031	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800068031	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800068031	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800068031	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800068031	constant_power_B_reac	179.417	0.0	89.7085	0.0
load	N_1800068033	constant_power_A	475.432	156.267	237.716	78.1335
load	N_1800068033	constant_power_B	475.432	156.267	237.716	78.1335
load	N_1800068033	constant_power_A_real	475.432	0.0	237.716	0.0
load	N_1800068033	constant_power_B_real	475.432	0.0	237.716	0.0
load	N_1800068033	constant_power_A_reac	156.267	0.0	78.1335	0.0
load	N_1800068033	constant_power_B_reac	156.267	0.0	78.1335	0.0
load	N_1800068034	constant_power_A	1351.46	444.203	675.73	222.1015
load	N_1800068034	constant_power_B	1351.46	444.203	675.73	222.1015
load	N_1800068034	constant_power_A_real	1351.46	0.0	675.73	0.0
load	N_1800068034	constant_power_B_real	1351.46	0.0	675.73	0.0
load	N_1800068034	constant_power_A_reac	444.203	0.0	222.1015	0.0
load	N_1800068034	constant_power_B_reac	444.203	0.0	222.1015	0.0
load	N_1800072946	constant_power_A	3011.07	1866.09	1505.535	933.045
load	N_1800072946	constant_power_B	3011.07	1866.09	1505.535	933.045
load	N_1800072946	constant_power_C	3011.07	1866.09	1505.535	933.045
load	N_1800072946	constant_power_A_real	3011.07	0.0	1505.535	0.0
load	N_1800072946	constant_power_B_real	3011.07	0.0	1505.535	0.0
load	N_1800072946	constant_power_C_real	3011.07	0.0	1505.535	0.0
load	N_1800072946	constant_power_A_reac	1866.09	0.0	933.045	0.0
load	N_1800072946	constant_power_B_reac	1866.09	0.0	933.045	0.0
load	N_1800072946	constant_power_C_reac	1866.09	0.0	933.045	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072944	constant_power_A	1479.12	838.091	739.56	419.0455
load	N_1800072944	constant_power_B	1479.12	838.091	739.56	419.0455
load	N_1800072944	constant_power_C	1479.12	838.091	739.56	419.0455
load	N_1800072944	constant_power_A_real	1479.12	0.0	739.56	0.0
load	N_1800072944	constant_power_B_real	1479.12	0.0	739.56	0.0
load	N_1800072944	constant_power_C_real	1479.12	0.0	739.56	0.0
load	N_1800072944	constant_power_A_reac	838.091	0.0	419.0455	0.0
load	N_1800072944	constant_power_B_reac	838.091	0.0	419.0455	0.0
load	N_1800072944	constant_power_C_reac	838.091	0.0	419.0455	0.0
load	N_1800072940	constant_power_A	26.413	8.68153	13.2065	4.340765
load	N_1800072940	constant_power_B	26.413	8.68153	13.2065	4.340765
load	N_1800072940	constant_power_C	26.413	8.68153	13.2065	4.340765
load	N_1800072940	constant_power_A_real	26.413	0.0	13.2065	0.0
load	N_1800072940	constant_power_B_real	26.413	0.0	13.2065	0.0
load	N_1800072940	constant_power_C_real	26.413	0.0	13.2065	0.0
load	N_1800072940	constant_power_A_reac	8.68153	0.0	4.340765	0.0
load	N_1800072940	constant_power_B_reac	8.68153	0.0	4.340765	0.0
load	N_1800072940	constant_power_C_reac	8.68153	0.0	4.340765	0.0
load	N_1800195824	constant_power_A	868.69	285.525	434.345	142.7625
load	N_1800195824	constant_power_B	868.69	285.525	434.345	142.7625
load	N_1800195824	constant_power_C	868.69	285.525	434.345	142.7625
load	N_1800195824	constant_power_A_real	868.69	0.0	434.345	0.0
load	N_1800195824	constant_power_B_real	868.69	0.0	434.345	0.0
load	N_1800195824	constant_power_C_real	868.69	0.0	434.345	0.0
load	N_1800195824	constant_power_A_reac	285.525	0.0	142.7625	0.0
load	N_1800195824	constant_power_B_reac	285.525	0.0	142.7625	0.0
load	N_1800195824	constant_power_C_reac	285.525	0.0	142.7625	0.0
load	N_1800067430	constant_power_A	1360.26	447.097	680.13	223.5485
load	N_1800067430	constant_power_B	1360.26	447.097	680.13	223.5485
load	N_1800067430	constant_power_A_real	1360.26	0.0	680.13	0.0
load	N_1800067430	constant_power_B_real	1360.26	0.0	680.13	0.0
load	N_1800067430	constant_power_A_reac	447.097	0.0	223.5485	0.0
load	N_1800067430	constant_power_B_reac	447.097	0.0	223.5485	0.0
load	N_1800067431	constant_power_A	607.496	199.674	303.748	99.837
load	N_1800067431	constant_power_B	607.496	199.674	303.748	99.837
load	N_1800067431	constant_power_A_real	607.496	0.0	303.748	0.0
load	N_1800067431	constant_power_B_real	607.496	0.0	303.748	0.0
load	N_1800067431	constant_power_A_reac	199.674	0.0	99.837	0.0
load	N_1800067431	constant_power_B_reac	199.674	0.0	99.837	0.0
load	N_1800067433	constant_power_A	1062.38	372.252	531.19	186.126
load	N_1800067433	constant_power_B	1062.38	372.252	531.19	186.126
load	N_1800067433	constant_power_C	1062.38	372.252	531.19	186.126
load	N_1800067433	constant_power_A_real	1062.38	0.0	531.19	0.0
load	N_1800067433	constant_power_B_real	1062.38	0.0	531.19	0.0
load	N_1800067433	constant_power_C_real	1062.38	0.0	531.19	0.0
load	N_1800067433	constant_power_A_reac	372.252	0.0	186.126	0.0
load	N_1800067433	constant_power_B_reac	372.252	0.0	186.126	0.0
load	N_1800067433	constant_power_C_reac	372.252	0.0	186.126	0.0
load	N_1800067434	constant_power_A	1267.82	441.056	633.91	220.528
load	N_1800067434	constant_power_B	1267.82	441.056	633.91	220.528
load	N_1800067434	constant_power_A_real	1267.82	0.0	633.91	0.0
load	N_1800067434	constant_power_B_real	1267.82	0.0	633.91	0.0
load	N_1800067434	constant_power_A_reac	441.056	0.0	220.528	0.0
load	N_1800067434	constant_power_B_reac	441.056	0.0	220.528	0.0
load	N_1800067435	constant_power_A	1699.23	558.509	849.615	279.2545
load	N_1800067435	constant_power_B	1699.23	558.509	849.615	279.2545
load	N_1800067435	constant_power_A_real	1699.23	0.0	849.615	0.0
load	N_1800067435	constant_power_B_real	1699.23	0.0	849.615	0.0
load	N_1800067435	constant_power_A_reac	558.509	0.0	279.2545	0.0
load	N_1800067435	constant_power_B_reac	558.509	0.0	279.2545	0.0
load	N_1800067437	constant_power_A	2768.95	910.11	1384.475	455.055
load	N_1800067437	constant_power_B	2768.95	910.11	1384.475	455.055
load	N_1800067437	constant_power_A_real	2768.95	0.0	1384.475	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067437	constant_power_B_real	2768.95	0.0	1384.475	0.0
load	N_1800067437	constant_power_A_reac	910.11	0.0	455.055	0.0
load	N_1800067437	constant_power_B_reac	910.11	0.0	455.055	0.0
load	N_1800031406	constant_power_A	387.389	127.329	193.6945	63.6645
load	N_1800031406	constant_power_B	387.389	127.329	193.6945	63.6645
load	N_1800031406	constant_power_C	387.389	127.329	193.6945	63.6645
load	N_1800031406	constant_power_A_real	387.389	0.0	193.6945	0.0
load	N_1800031406	constant_power_B_real	387.389	0.0	193.6945	0.0
load	N_1800031406	constant_power_C_real	387.389	0.0	193.6945	0.0
load	N_1800031406	constant_power_A_reac	127.329	0.0	63.6645	0.0
load	N_1800031406	constant_power_B_reac	127.329	0.0	63.6645	0.0
load	N_1800031406	constant_power_C_reac	127.329	0.0	63.6645	0.0
load	N_1800039907	constant_power_A	2161.45	1339.55	1080.725	669.775
load	N_1800039907	constant_power_B	2161.45	1339.55	1080.725	669.775
load	N_1800039907	constant_power_A_real	2161.45	0.0	1080.725	0.0
load	N_1800039907	constant_power_B_real	2161.45	0.0	1080.725	0.0
load	N_1800039907	constant_power_A_reac	1339.55	0.0	669.775	0.0
load	N_1800039907	constant_power_B_reac	1339.55	0.0	669.775	0.0
load	N_1800070718	constant_power_A	1567.16	515.102	783.58	257.551
load	N_1800070718	constant_power_B	1567.16	515.102	783.58	257.551
load	N_1800070718	constant_power_A_real	1567.16	0.0	783.58	0.0
load	N_1800070718	constant_power_B_real	1567.16	0.0	783.58	0.0
load	N_1800070718	constant_power_A_reac	515.102	0.0	257.551	0.0
load	N_1800070718	constant_power_B_reac	515.102	0.0	257.551	0.0
load	N_1800008511	constant_power_A	52.8257	32.7384	26.41285	16.3692
load	N_1800008511	constant_power_B	52.8257	32.7384	26.41285	16.3692
load	N_1800008511	constant_power_C	52.8257	32.7384	26.41285	16.3692
load	N_1800008511	constant_power_A_real	52.8257	0.0	26.41285	0.0
load	N_1800008511	constant_power_B_real	52.8257	0.0	26.41285	0.0
load	N_1800008511	constant_power_C_real	52.8257	0.0	26.41285	0.0
load	N_1800008511	constant_power_A_reac	32.7384	0.0	16.3692	0.0
load	N_1800008511	constant_power_B_reac	32.7384	0.0	16.3692	0.0
load	N_1800008511	constant_power_C_reac	32.7384	0.0	16.3692	0.0
load	N_1800008512	constant_power_A	170.216	55.9474	85.108	27.9737
load	N_1800008512	constant_power_B	170.216	55.9474	85.108	27.9737
load	N_1800008512	constant_power_C	170.216	55.9474	85.108	27.9737
load	N_1800008512	constant_power_A_real	170.216	0.0	85.108	0.0
load	N_1800008512	constant_power_B_real	170.216	0.0	85.108	0.0
load	N_1800008512	constant_power_C_real	170.216	0.0	85.108	0.0
load	N_1800008512	constant_power_A_reac	55.9474	0.0	27.9737	0.0
load	N_1800008512	constant_power_B_reac	55.9474	0.0	27.9737	0.0
load	N_1800008512	constant_power_C_reac	55.9474	0.0	27.9737	0.0
load	N_1800008514	constant_power_A	1170.97	384.88	585.485	192.44
load	N_1800008514	constant_power_B	1170.97	384.88	585.485	192.44
load	N_1800008514	constant_power_C	1170.97	384.88	585.485	192.44
load	N_1800008514	constant_power_A_real	1170.97	0.0	585.485	0.0
load	N_1800008514	constant_power_B_real	1170.97	0.0	585.485	0.0
load	N_1800008514	constant_power_C_real	1170.97	0.0	585.485	0.0
load	N_1800008514	constant_power_A_reac	384.88	0.0	192.44	0.0
load	N_1800008514	constant_power_B_reac	384.88	0.0	192.44	0.0
load	N_1800008514	constant_power_C_reac	384.88	0.0	192.44	0.0
load	N_1800079421	constant_power_A	1126.95	372.973	563.475	186.4865
load	N_1800079421	constant_power_C	1126.95	372.973	563.475	186.4865
load	N_1800079421	constant_power_A_real	1126.95	0.0	563.475	0.0
load	N_1800079421	constant_power_C_real	1126.95	0.0	563.475	0.0
load	N_1800079421	constant_power_A_reac	372.973	0.0	186.4865	0.0
load	N_1800079421	constant_power_C_reac	372.973	0.0	186.4865	0.0
load	N_1800079350	constant_power_A	71848.9	44527.9	35924.45	22263.95
load	N_1800079350	constant_power_B	71848.9	44527.9	35924.45	22263.95
load	N_1800079350	constant_power_C	71848.9	44527.9	35924.45	22263.95
load	N_1800079350	constant_power_A_real	71848.9	0.0	35924.45	0.0
load	N_1800079350	constant_power_B_real	71848.9	0.0	35924.45	0.0
load	N_1800079350	constant_power_C_real	71848.9	0.0	35924.45	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800079350	constant_power_A_reac	44527.9	0.0	22263.95	0.0
load	N_1800079350	constant_power_B_reac	44527.9	0.0	22263.95	0.0
load	N_1800079350	constant_power_C_reac	44527.9	0.0	22263.95	0.0
load	N_1800021509	constant_power_A	1536.35	633.103	768.175	316.5515
load	N_1800021509	constant_power_B	1536.35	633.103	768.175	316.5515
load	N_1800021509	constant_power_A_real	1536.35	0.0	768.175	0.0
load	N_1800021509	constant_power_B_real	1536.35	0.0	768.175	0.0
load	N_1800021509	constant_power_A_reac	633.103	0.0	316.5515	0.0
load	N_1800021509	constant_power_B_reac	633.103	0.0	316.5515	0.0
load	N_1800036911	constant_power_A	352.172	115.753	176.086	57.8765
load	N_1800036911	constant_power_B	352.172	115.753	176.086	57.8765
load	N_1800036911	constant_power_C	352.172	115.753	176.086	57.8765
load	N_1800036911	constant_power_A_real	352.172	0.0	176.086	0.0
load	N_1800036911	constant_power_B_real	352.172	0.0	176.086	0.0
load	N_1800036911	constant_power_C_real	352.172	0.0	176.086	0.0
load	N_1800036911	constant_power_A_reac	115.753	0.0	57.8765	0.0
load	N_1800036911	constant_power_B_reac	115.753	0.0	57.8765	0.0
load	N_1800036911	constant_power_C_reac	115.753	0.0	57.8765	0.0
load	N_1800036910	constant_power_A	457.823	150.479	228.9115	75.2395
load	N_1800036910	constant_power_B	457.823	150.479	228.9115	75.2395
load	N_1800036910	constant_power_C	457.823	150.479	228.9115	75.2395
load	N_1800036910	constant_power_A_real	457.823	0.0	228.9115	0.0
load	N_1800036910	constant_power_B_real	457.823	0.0	228.9115	0.0
load	N_1800036910	constant_power_C_real	457.823	0.0	228.9115	0.0
load	N_1800036910	constant_power_A_reac	150.479	0.0	75.2395	0.0
load	N_1800036910	constant_power_B_reac	150.479	0.0	75.2395	0.0
load	N_1800036910	constant_power_C_reac	150.479	0.0	75.2395	0.0
load	N_1800036913	constant_power_A	143.803	47.2659	71.9015	23.63295
load	N_1800036913	constant_power_B	143.803	47.2659	71.9015	23.63295
load	N_1800036913	constant_power_C	143.803	47.2659	71.9015	23.63295
load	N_1800036913	constant_power_A_real	143.803	0.0	71.9015	0.0
load	N_1800036913	constant_power_B_real	143.803	0.0	71.9015	0.0
load	N_1800036913	constant_power_C_real	143.803	0.0	71.9015	0.0
load	N_1800036913	constant_power_A_reac	47.2659	0.0	23.63295	0.0
load	N_1800036913	constant_power_B_reac	47.2659	0.0	23.63295	0.0
load	N_1800036913	constant_power_C_reac	47.2659	0.0	23.63295	0.0
load	N_1800036912	constant_power_A	1517.27	498.704	758.635	249.352
load	N_1800036912	constant_power_B	1517.27	498.704	758.635	249.352
load	N_1800036912	constant_power_C	1517.27	498.704	758.635	249.352
load	N_1800036912	constant_power_A_real	1517.27	0.0	758.635	0.0
load	N_1800036912	constant_power_B_real	1517.27	0.0	758.635	0.0
load	N_1800036912	constant_power_C_real	1517.27	0.0	758.635	0.0
load	N_1800036912	constant_power_A_reac	498.704	0.0	249.352	0.0
load	N_1800036912	constant_power_B_reac	498.704	0.0	249.352	0.0
load	N_1800036912	constant_power_C_reac	498.704	0.0	249.352	0.0
load	N_1800032692	constant_power_A	187.825	116.403	93.9125	58.2015
load	N_1800032692	constant_power_B	187.825	116.403	93.9125	58.2015
load	N_1800032692	constant_power_C	187.825	116.403	93.9125	58.2015
load	N_1800032692	constant_power_A_real	187.825	0.0	93.9125	0.0
load	N_1800032692	constant_power_B_real	187.825	0.0	93.9125	0.0
load	N_1800032692	constant_power_C_real	187.825	0.0	93.9125	0.0
load	N_1800032692	constant_power_A_reac	116.403	0.0	58.2015	0.0
load	N_1800032692	constant_power_B_reac	116.403	0.0	58.2015	0.0
load	N_1800032692	constant_power_C_reac	116.403	0.0	58.2015	0.0
load	N_1800031424	constant_power_A	1201.79	395.008	600.895	197.504
load	N_1800031424	constant_power_B	1201.79	395.008	600.895	197.504
load	N_1800031424	constant_power_A_real	1201.79	0.0	600.895	0.0
load	N_1800031424	constant_power_B_real	1201.79	0.0	600.895	0.0
load	N_1800031424	constant_power_A_reac	395.008	0.0	197.504	0.0
load	N_1800031424	constant_power_B_reac	395.008	0.0	197.504	0.0
load	N_1800067387	constant_power_A	55.7607	18.3276	27.88035	9.1638
load	N_1800067387	constant_power_B	55.7607	18.3276	27.88035	9.1638
load	N_1800067387	constant_power_C	55.7607	18.3276	27.88035	9.1638

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067387	constant_power_A_real	55.7607	0.0	27.88035	0.0
load	N_1800067387	constant_power_B_real	55.7607	0.0	27.88035	0.0
load	N_1800067387	constant_power_C_real	55.7607	0.0	27.88035	0.0
load	N_1800067387	constant_power_A_reac	18.3276	0.0	9.1638	0.0
load	N_1800067387	constant_power_B_reac	18.3276	0.0	9.1638	0.0
load	N_1800067387	constant_power_C_reac	18.3276	0.0	9.1638	0.0
load	N_1800075675	constant_power_A	57.228	35.4667	28.614	17.73335
load	N_1800075675	constant_power_B	57.228	35.4667	28.614	17.73335
load	N_1800075675	constant_power_A_real	57.228	0.0	28.614	0.0
load	N_1800075675	constant_power_B_real	57.228	0.0	28.614	0.0
load	N_1800075675	constant_power_A_reac	35.4667	0.0	17.73335	0.0
load	N_1800075675	constant_power_B_reac	35.4667	0.0	17.73335	0.0
load	N_1800069999	constant_power_A	1043.31	342.919	521.655	171.4595
load	N_1800069999	constant_power_B	1043.31	342.919	521.655	171.4595
load	N_1800069999	constant_power_A_real	1043.31	0.0	521.655	0.0
load	N_1800069999	constant_power_B_real	1043.31	0.0	521.655	0.0
load	N_1800069999	constant_power_A_reac	342.919	0.0	171.4595	0.0
load	N_1800069999	constant_power_B_reac	342.919	0.0	171.4595	0.0
load	N_1800032691	constant_power_A	484.236	159.161	242.118	79.5805
load	N_1800032691	constant_power_B	484.236	159.161	242.118	79.5805
load	N_1800032691	constant_power_C	484.236	159.161	242.118	79.5805
load	N_1800032691	constant_power_A_real	484.236	0.0	242.118	0.0
load	N_1800032691	constant_power_B_real	484.236	0.0	242.118	0.0
load	N_1800032691	constant_power_C_real	484.236	0.0	242.118	0.0
load	N_1800032691	constant_power_A_reac	159.161	0.0	79.5805	0.0
load	N_1800032691	constant_power_B_reac	159.161	0.0	79.5805	0.0
load	N_1800032691	constant_power_C_reac	159.161	0.0	79.5805	0.0
load	N_1800067545	constant_power_A	378.585	234.626	189.2925	117.313
load	N_1800067545	constant_power_B	378.585	234.626	189.2925	117.313
load	N_1800067545	constant_power_A_real	378.585	0.0	189.2925	0.0
load	N_1800067545	constant_power_B_real	378.585	0.0	189.2925	0.0
load	N_1800067545	constant_power_A_reac	234.626	0.0	117.313	0.0
load	N_1800067545	constant_power_B_reac	234.626	0.0	117.313	0.0
load	N_1800067546	constant_power_A	990.483	325.556	495.2415	162.778
load	N_1800067546	constant_power_B	990.483	325.556	495.2415	162.778
load	N_1800067546	constant_power_A_real	990.483	0.0	495.2415	0.0
load	N_1800067546	constant_power_B_real	990.483	0.0	495.2415	0.0
load	N_1800067546	constant_power_A_reac	325.556	0.0	162.778	0.0
load	N_1800067546	constant_power_B_reac	325.556	0.0	162.778	0.0
load	N_1800070953	constant_power_A	1980.97	651.112	990.485	325.556
load	N_1800070953	constant_power_B	1980.97	651.112	990.485	325.556
load	N_1800070953	constant_power_A_real	1980.97	0.0	990.485	0.0
load	N_1800070953	constant_power_B_real	1980.97	0.0	990.485	0.0
load	N_1800070953	constant_power_A_reac	651.112	0.0	325.556	0.0
load	N_1800070953	constant_power_B_reac	651.112	0.0	325.556	0.0
load	N_1800067541	constant_power_A	396.193	130.222	198.0965	65.111
load	N_1800067541	constant_power_B	396.193	130.222	198.0965	65.111
load	N_1800067541	constant_power_A_real	396.193	0.0	198.0965	0.0
load	N_1800067541	constant_power_B_real	396.193	0.0	198.0965	0.0
load	N_1800067541	constant_power_A_reac	130.222	0.0	65.111	0.0
load	N_1800067541	constant_power_B_reac	130.222	0.0	65.111	0.0
load	N_1800070950	constant_power_A	2786.56	915.897	1393.28	457.9485
load	N_1800070950	constant_power_B	2786.56	915.897	1393.28	457.9485
load	N_1800070950	constant_power_A_real	2786.56	0.0	1393.28	0.0
load	N_1800070950	constant_power_B_real	2786.56	0.0	1393.28	0.0
load	N_1800070950	constant_power_A_reac	915.897	0.0	457.9485	0.0
load	N_1800070950	constant_power_B_reac	915.897	0.0	457.9485	0.0
load	N_1800070758	constant_power_A	12660.6	4161.33	6330.3	2080.665
load	N_1800070758	constant_power_A_real	12660.6	0.0	6330.3	0.0
load	N_1800070758	constant_power_A_reac	4161.33	0.0	2080.665	0.0
load	N_1800068505	constant_power_A	1325.05	435.522	662.525	217.761
load	N_1800068505	constant_power_B	1325.05	435.522	662.525	217.761
load	N_1800068505	constant_power_A_real	1325.05	0.0	662.525	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068505	constant_power_B_real	1325.05	0.0	662.525	0.0
load	N_1800068505	constant_power_A_reac	435.522	0.0	217.761	0.0
load	N_1800068505	constant_power_B_reac	435.522	0.0	217.761	0.0
load	N_1800061729	constant_power_A	152.608	94.5777	76.304	47.28885
load	N_1800061729	constant_power_B	152.608	94.5777	76.304	47.28885
load	N_1800061729	constant_power_C	152.608	94.5777	76.304	47.28885
load	N_1800061729	constant_power_A_real	152.608	0.0	76.304	0.0
load	N_1800061729	constant_power_B_real	152.608	0.0	76.304	0.0
load	N_1800061729	constant_power_C_real	152.608	0.0	76.304	0.0
load	N_1800061729	constant_power_A_reac	94.5777	0.0	47.28885	0.0
load	N_1800061729	constant_power_B_reac	94.5777	0.0	47.28885	0.0
load	N_1800061729	constant_power_C_reac	94.5777	0.0	47.28885	0.0
load	N_1800037517	constant_power_A	2174.66	714.776	1087.33	357.388
load	N_1800037517	constant_power_B	2174.66	714.776	1087.33	357.388
load	N_1800037517	constant_power_A_real	2174.66	0.0	1087.33	0.0
load	N_1800037517	constant_power_B_real	2174.66	0.0	1087.33	0.0
load	N_1800037517	constant_power_A_reac	714.776	0.0	357.388	0.0
load	N_1800037517	constant_power_B_reac	714.776	0.0	357.388	0.0
load	N_1800055211	constant_power_A	198.097	65.1113	99.0485	32.55565
load	N_1800055211	constant_power_B	198.097	65.1113	99.0485	32.55565
load	N_1800055211	constant_power_A_real	198.097	0.0	99.0485	0.0
load	N_1800055211	constant_power_B_real	198.097	0.0	99.0485	0.0
load	N_1800055211	constant_power_A_reac	65.1113	0.0	32.55565	0.0
load	N_1800055211	constant_power_B_reac	65.1113	0.0	32.55565	0.0
load	N_1800061723	constant_power_A	252.39	156.417	126.195	78.2085
load	N_1800061723	constant_power_B	252.39	156.417	126.195	78.2085
load	N_1800061723	constant_power_C	252.39	156.417	126.195	78.2085
load	N_1800061723	constant_power_A_real	252.39	0.0	126.195	0.0
load	N_1800061723	constant_power_B_real	252.39	0.0	126.195	0.0
load	N_1800061723	constant_power_C_real	252.39	0.0	126.195	0.0
load	N_1800061723	constant_power_A_reac	156.417	0.0	78.2085	0.0
load	N_1800061723	constant_power_B_reac	156.417	0.0	78.2085	0.0
load	N_1800061723	constant_power_C_reac	156.417	0.0	78.2085	0.0
load	N_1800036354	constant_power_A	805.593	264.786	402.7965	132.393
load	N_1800036354	constant_power_B	805.593	264.786	402.7965	132.393
load	N_1800036354	constant_power_A_real	805.593	0.0	402.7965	0.0
load	N_1800036354	constant_power_B_real	805.593	0.0	402.7965	0.0
load	N_1800036354	constant_power_A_reac	264.786	0.0	132.393	0.0
load	N_1800036354	constant_power_B_reac	264.786	0.0	132.393	0.0
load	N_1800061727	constant_power_A	2679.44	880.689	1339.72	440.3445
load	N_1800061727	constant_power_B	2679.44	880.689	1339.72	440.3445
load	N_1800061727	constant_power_C	2679.44	880.689	1339.72	440.3445
load	N_1800061727	constant_power_A_real	2679.44	0.0	1339.72	0.0
load	N_1800061727	constant_power_B_real	2679.44	0.0	1339.72	0.0
load	N_1800061727	constant_power_C_real	2679.44	0.0	1339.72	0.0
load	N_1800061727	constant_power_A_reac	880.689	0.0	440.3445	0.0
load	N_1800061727	constant_power_B_reac	880.689	0.0	440.3445	0.0
load	N_1800061727	constant_power_C_reac	880.689	0.0	440.3445	0.0
load	N_1800061724	constant_power_A	2289.12	848.92	1144.56	424.46
load	N_1800061724	constant_power_B	2289.12	848.92	1144.56	424.46
load	N_1800061724	constant_power_C	2289.12	848.92	1144.56	424.46
load	N_1800061724	constant_power_A_real	2289.12	0.0	1144.56	0.0
load	N_1800061724	constant_power_B_real	2289.12	0.0	1144.56	0.0
load	N_1800061724	constant_power_C_real	2289.12	0.0	1144.56	0.0
load	N_1800061724	constant_power_A_reac	848.92	0.0	424.46	0.0
load	N_1800061724	constant_power_B_reac	848.92	0.0	424.46	0.0
load	N_1800061724	constant_power_C_reac	848.92	0.0	424.46	0.0
load	N_1800061725	constant_power_A	234.781	145.504	117.3905	72.752
load	N_1800061725	constant_power_B	234.781	145.504	117.3905	72.752
load	N_1800061725	constant_power_C	234.781	145.504	117.3905	72.752
load	N_1800061725	constant_power_A_real	234.781	0.0	117.3905	0.0
load	N_1800061725	constant_power_B_real	234.781	0.0	117.3905	0.0
load	N_1800061725	constant_power_C_real	234.781	0.0	117.3905	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800061725	constant_power_A_reac	145.504	0.0	72.752	0.0
load	N_1800061725	constant_power_B_reac	145.504	0.0	72.752	0.0
load	N_1800061725	constant_power_C_reac	145.504	0.0	72.752	0.0
load	N_1800007572	constant_power_A	1285.43	422.499	642.715	211.2495
load	N_1800007572	constant_power_B	1285.43	422.499	642.715	211.2495
load	N_1800007572	constant_power_A_real	1285.43	0.0	642.715	0.0
load	N_1800007572	constant_power_B_real	1285.43	0.0	642.715	0.0
load	N_1800007572	constant_power_A_reac	422.499	0.0	211.2495	0.0
load	N_1800007572	constant_power_B_reac	422.499	0.0	211.2495	0.0
load	N_1800068603	constant_power_A	3052.15	1891.56	1526.075	945.78
load	N_1800068603	constant_power_B	3052.15	1891.56	1526.075	945.78
load	N_1800068603	constant_power_C	3052.15	1891.56	1526.075	945.78
load	N_1800068603	constant_power_A_real	3052.15	0.0	1526.075	0.0
load	N_1800068603	constant_power_B_real	3052.15	0.0	1526.075	0.0
load	N_1800068603	constant_power_C_real	3052.15	0.0	1526.075	0.0
load	N_1800068603	constant_power_A_reac	1891.56	0.0	945.78	0.0
load	N_1800068603	constant_power_B_reac	1891.56	0.0	945.78	0.0
load	N_1800068603	constant_power_C_reac	1891.56	0.0	945.78	0.0
load	N_1800068469	constant_power_A	1470.32	750.632	735.16	375.316
load	N_1800068469	constant_power_B	1470.32	750.632	735.16	375.316
load	N_1800068469	constant_power_C	1470.32	750.632	735.16	375.316
load	N_1800068469	constant_power_A_real	1470.32	0.0	735.16	0.0
load	N_1800068469	constant_power_B_real	1470.32	0.0	735.16	0.0
load	N_1800068469	constant_power_C_real	1470.32	0.0	735.16	0.0
load	N_1800068469	constant_power_A_reac	750.632	0.0	375.316	0.0
load	N_1800068469	constant_power_B_reac	750.632	0.0	375.316	0.0
load	N_1800068469	constant_power_C_reac	750.632	0.0	375.316	0.0
load	N_1800203633	constant_power_A	4358.12	2196.1	2179.06	1098.05
load	N_1800203633	constant_power_A_real	4358.12	0.0	2179.06	0.0
load	N_1800203633	constant_power_A_reac	2196.1	0.0	1098.05	0.0
load	N_1800037775	constant_power_A	2707.32	889.853	1353.66	444.9265
load	N_1800037775	constant_power_B	2707.32	889.853	1353.66	444.9265
load	N_1800037775	constant_power_A_real	2707.32	0.0	1353.66	0.0
load	N_1800037775	constant_power_B_real	2707.32	0.0	1353.66	0.0
load	N_1800037775	constant_power_A_reac	889.853	0.0	444.9265	0.0
load	N_1800037775	constant_power_B_reac	889.853	0.0	444.9265	0.0
load	N_1800078308	constant_power_A	6209.96	3848.59	3104.98	1924.295
load	N_1800078308	constant_power_B	6209.96	3848.59	3104.98	1924.295
load	N_1800078308	constant_power_C	6209.96	3848.59	3104.98	1924.295
load	N_1800078308	constant_power_A_real	6209.96	0.0	3104.98	0.0
load	N_1800078308	constant_power_B_real	6209.96	0.0	3104.98	0.0
load	N_1800078308	constant_power_C_real	6209.96	0.0	3104.98	0.0
load	N_1800078308	constant_power_A_reac	3848.59	0.0	1924.295	0.0
load	N_1800078308	constant_power_B_reac	3848.59	0.0	1924.295	0.0
load	N_1800078308	constant_power_C_reac	3848.59	0.0	1924.295	0.0
load	N_1800069440	constant_power_A	2425.58	797.25	1212.79	398.625
load	N_1800069440	constant_power_C	2425.58	797.25	1212.79	398.625
load	N_1800069440	constant_power_A_real	2425.58	0.0	1212.79	0.0
load	N_1800069440	constant_power_C_real	2425.58	0.0	1212.79	0.0
load	N_1800069440	constant_power_A_reac	797.25	0.0	398.625	0.0
load	N_1800069440	constant_power_C_reac	797.25	0.0	398.625	0.0
load	N_1800041965	constant_power_A	3081.5	1381.85	1540.75	690.925
load	N_1800041965	constant_power_B	3081.5	1381.85	1540.75	690.925
load	N_1800041965	constant_power_A_real	3081.5	0.0	1540.75	0.0
load	N_1800041965	constant_power_B_real	3081.5	0.0	1540.75	0.0
load	N_1800041965	constant_power_A_reac	1381.85	0.0	690.925	0.0
load	N_1800041965	constant_power_B_reac	1381.85	0.0	690.925	0.0
load	N_1800068661	constant_power_A	1492.33	490.504	746.165	245.252
load	N_1800068661	constant_power_B	1492.33	490.504	746.165	245.252
load	N_1800068661	constant_power_A_real	1492.33	0.0	746.165	0.0
load	N_1800068661	constant_power_B_real	1492.33	0.0	746.165	0.0
load	N_1800068661	constant_power_A_reac	490.504	0.0	245.252	0.0
load	N_1800068661	constant_power_B_reac	490.504	0.0	245.252	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073057	constant_power_A	2341.94	769.759	1170.97	384.8795
load	N_1800073057	constant_power_B	2341.94	769.759	1170.97	384.8795
load	N_1800073057	constant_power_A_real	2341.94	0.0	1170.97	0.0
load	N_1800073057	constant_power_B_real	2341.94	0.0	1170.97	0.0
load	N_1800073057	constant_power_A_reac	769.759	0.0	384.8795	0.0
load	N_1800073057	constant_power_B_reac	769.759	0.0	384.8795	0.0
load	N_1800000324	constant_power_A	874.56	287.454	437.28	143.727
load	N_1800000324	constant_power_B	874.56	287.454	437.28	143.727
load	N_1800000324	constant_power_C	874.56	287.454	437.28	143.727
load	N_1800000324	constant_power_A_real	874.56	0.0	437.28	0.0
load	N_1800000324	constant_power_B_real	874.56	0.0	437.28	0.0
load	N_1800000324	constant_power_C_real	874.56	0.0	437.28	0.0
load	N_1800000324	constant_power_A_reac	287.454	0.0	143.727	0.0
load	N_1800000324	constant_power_B_reac	287.454	0.0	143.727	0.0
load	N_1800000324	constant_power_C_reac	287.454	0.0	143.727	0.0
load	N_1800078207	constant_power_A	1457.11	478.929	728.555	239.4645
load	N_1800078207	constant_power_B	1457.11	478.929	728.555	239.4645
load	N_1800078207	constant_power_A_real	1457.11	0.0	728.555	0.0
load	N_1800078207	constant_power_B_real	1457.11	0.0	728.555	0.0
load	N_1800078207	constant_power_A_reac	478.929	0.0	239.4645	0.0
load	N_1800078207	constant_power_B_reac	478.929	0.0	239.4645	0.0
load	N_1800069444	constant_power_A	1923.74	632.302	961.87	316.151
load	N_1800069444	constant_power_C	1923.74	632.302	961.87	316.151
load	N_1800069444	constant_power_A_real	1923.74	0.0	961.87	0.0
load	N_1800069444	constant_power_C_real	1923.74	0.0	961.87	0.0
load	N_1800069444	constant_power_A_reac	632.302	0.0	316.151	0.0
load	N_1800069444	constant_power_C_reac	632.302	0.0	316.151	0.0
load	N_1800046002	constant_power_A	1716.84	564.297	858.42	282.1485
load	N_1800046002	constant_power_C	1716.84	564.297	858.42	282.1485
load	N_1800046002	constant_power_A_real	1716.84	0.0	858.42	0.0
load	N_1800046002	constant_power_C_real	1716.84	0.0	858.42	0.0
load	N_1800046002	constant_power_A_reac	564.297	0.0	282.1485	0.0
load	N_1800046002	constant_power_C_reac	564.297	0.0	282.1485	0.0
load	N_1800039163	constant_power_A	537.062	332.841	268.531	166.4205
load	N_1800039163	constant_power_B	537.062	332.841	268.531	166.4205
load	N_1800039163	constant_power_A_real	537.062	0.0	268.531	0.0
load	N_1800039163	constant_power_B_real	537.062	0.0	268.531	0.0
load	N_1800039163	constant_power_A_reac	332.841	0.0	166.4205	0.0
load	N_1800039163	constant_power_B_reac	332.841	0.0	166.4205	0.0
load	N_1800072312	constant_power_A	1910.53	627.961	955.265	313.9805
load	N_1800072312	constant_power_B	1910.53	627.961	955.265	313.9805
load	N_1800072312	constant_power_A_real	1910.53	0.0	955.265	0.0
load	N_1800072312	constant_power_B_real	1910.53	0.0	955.265	0.0
load	N_1800072312	constant_power_A_reac	627.961	0.0	313.9805	0.0
load	N_1800072312	constant_power_B_reac	627.961	0.0	313.9805	0.0
load	N_1800072317	constant_power_A	325.759	107.072	162.8795	53.536
load	N_1800072317	constant_power_B	325.759	107.072	162.8795	53.536
load	N_1800072317	constant_power_C	325.759	107.072	162.8795	53.536
load	N_1800072317	constant_power_A_real	325.759	0.0	162.8795	0.0
load	N_1800072317	constant_power_B_real	325.759	0.0	162.8795	0.0
load	N_1800072317	constant_power_C_real	325.759	0.0	162.8795	0.0
load	N_1800072317	constant_power_A_reac	107.072	0.0	53.536	0.0
load	N_1800072317	constant_power_B_reac	107.072	0.0	53.536	0.0
load	N_1800072317	constant_power_C_reac	107.072	0.0	53.536	0.0
load	N_1800024339	constant_power_A	1862.11	612.045	931.055	306.0225
load	N_1800024339	constant_power_B	1862.11	612.045	931.055	306.0225
load	N_1800024339	constant_power_A_real	1862.11	0.0	931.055	0.0
load	N_1800024339	constant_power_B_real	1862.11	0.0	931.055	0.0
load	N_1800024339	constant_power_A_reac	612.045	0.0	306.0225	0.0
load	N_1800024339	constant_power_B_reac	612.045	0.0	306.0225	0.0
load	N_1800031825	constant_power_A	4943.61	2628.14	2471.805	1314.07
load	N_1800031825	constant_power_B	4943.61	2628.14	2471.805	1314.07
load	N_1800031825	constant_power_A_real	4943.61	0.0	2471.805	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031825	constant_power_B_real	4943.61	0.0	2471.805	0.0
load	N_1800031825	constant_power_A_reac	2628.14	0.0	1314.07	0.0
load	N_1800031825	constant_power_B_reac	2628.14	0.0	1314.07	0.0
load	N_1800031826	constant_power_A	9420.59	3096.4	4710.295	1548.2
load	N_1800031826	constant_power_B	9420.59	3096.4	4710.295	1548.2
load	N_1800031826	constant_power_A_real	9420.59	0.0	4710.295	0.0
load	N_1800031826	constant_power_B_real	9420.59	0.0	4710.295	0.0
load	N_1800031826	constant_power_A_reac	3096.4	0.0	1548.2	0.0
load	N_1800031826	constant_power_B_reac	3096.4	0.0	1548.2	0.0
load	N_1800031827	constant_power_A	3160.74	1038.89	1580.37	519.445
load	N_1800031827	constant_power_B	3160.74	1038.89	1580.37	519.445
load	N_1800031827	constant_power_A_real	3160.74	0.0	1580.37	0.0
load	N_1800031827	constant_power_B_real	3160.74	0.0	1580.37	0.0
load	N_1800031827	constant_power_A_reac	1038.89	0.0	519.445	0.0
load	N_1800031827	constant_power_B_reac	1038.89	0.0	519.445	0.0
load	N_1800042546	constant_power_A	497.442	163.501	248.721	81.7505
load	N_1800042546	constant_power_B	497.442	163.501	248.721	81.7505
load	N_1800042546	constant_power_A_real	497.442	0.0	248.721	0.0
load	N_1800042546	constant_power_B_real	497.442	0.0	248.721	0.0
load	N_1800042546	constant_power_A_reac	163.501	0.0	81.7505	0.0
load	N_1800042546	constant_power_B_reac	163.501	0.0	81.7505	0.0
load	N_1800202658	constant_power_A	6732.35	4172.33	3366.175	2086.165
load	N_1800202658	constant_power_B	6732.35	4172.33	3366.175	2086.165
load	N_1800202658	constant_power_C	6732.35	4172.33	3366.175	2086.165
load	N_1800202658	constant_power_A_real	6732.35	0.0	3366.175	0.0
load	N_1800202658	constant_power_B_real	6732.35	0.0	3366.175	0.0
load	N_1800202658	constant_power_C_real	6732.35	0.0	3366.175	0.0
load	N_1800202658	constant_power_A_reac	4172.33	0.0	2086.165	0.0
load	N_1800202658	constant_power_B_reac	4172.33	0.0	2086.165	0.0
load	N_1800202658	constant_power_C_reac	4172.33	0.0	2086.165	0.0
load	N_1800025087	constant_power_A	3873.89	1273.29	1936.945	636.645
load	N_1800025087	constant_power_B	3873.89	1273.29	1936.945	636.645
load	N_1800025087	constant_power_A_real	3873.89	0.0	1936.945	0.0
load	N_1800025087	constant_power_B_real	3873.89	0.0	1936.945	0.0
load	N_1800025087	constant_power_A_reac	1273.29	0.0	636.645	0.0
load	N_1800025087	constant_power_B_reac	1273.29	0.0	636.645	0.0
load	N_1800025086	constant_power_A	893.636	293.724	446.818	146.862
load	N_1800025086	constant_power_B	893.636	293.724	446.818	146.862
load	N_1800025086	constant_power_A_real	893.636	0.0	446.818	0.0
load	N_1800025086	constant_power_B_real	893.636	0.0	446.818	0.0
load	N_1800025086	constant_power_A_reac	293.724	0.0	146.862	0.0
load	N_1800025086	constant_power_B_reac	293.724	0.0	146.862	0.0
load	N_1800025085	constant_power_A	2293.52	753.843	1146.76	376.9215
load	N_1800025085	constant_power_B	2293.52	753.843	1146.76	376.9215
load	N_1800025085	constant_power_A_real	2293.52	0.0	1146.76	0.0
load	N_1800025085	constant_power_B_real	2293.52	0.0	1146.76	0.0
load	N_1800025085	constant_power_A_reac	753.843	0.0	376.9215	0.0
load	N_1800025085	constant_power_B_reac	753.843	0.0	376.9215	0.0
load	N_1800067365	constant_power_A	589.888	193.887	294.944	96.9435
load	N_1800067365	constant_power_B	589.888	193.887	294.944	96.9435
load	N_1800067365	constant_power_A_real	589.888	0.0	294.944	0.0
load	N_1800067365	constant_power_B_real	589.888	0.0	294.944	0.0
load	N_1800067365	constant_power_A_reac	193.887	0.0	96.9435	0.0
load	N_1800067365	constant_power_B_reac	193.887	0.0	96.9435	0.0
load	N_1800044040	constant_power_A	862.821	283.596	431.4105	141.798
load	N_1800044040	constant_power_B	862.821	283.596	431.4105	141.798
load	N_1800044040	constant_power_A_real	862.821	0.0	431.4105	0.0
load	N_1800044040	constant_power_B_real	862.821	0.0	431.4105	0.0
load	N_1800044040	constant_power_A_reac	283.596	0.0	141.798	0.0
load	N_1800044040	constant_power_B_reac	283.596	0.0	141.798	0.0
load	N_1800044041	constant_power_A	7774.19	2555.25	3887.095	1277.625
load	N_1800044041	constant_power_B	7774.19	2555.25	3887.095	1277.625
load	N_1800044041	constant_power_A_real	7774.19	0.0	3887.095	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800044041	constant_power_B_real	7774.19	0.0	3887.095	0.0
load	N_1800044041	constant_power_A_reac	2555.25	0.0	1277.625	0.0
load	N_1800044041	constant_power_B_reac	2555.25	0.0	1277.625	0.0
load	N_1800067360	constant_power_A	2940.63	1086.98	1470.315	543.49
load	N_1800067360	constant_power_B	2940.63	1086.98	1470.315	543.49
load	N_1800067360	constant_power_A_real	2940.63	0.0	1470.315	0.0
load	N_1800067360	constant_power_B_real	2940.63	0.0	1470.315	0.0
load	N_1800067360	constant_power_A_reac	1086.98	0.0	543.49	0.0
load	N_1800067360	constant_power_B_reac	1086.98	0.0	543.49	0.0
load	N_1800067361	constant_power_A	818.799	269.126	409.3995	134.563
load	N_1800067361	constant_power_B	818.799	269.126	409.3995	134.563
load	N_1800067361	constant_power_A_real	818.799	0.0	409.3995	0.0
load	N_1800067361	constant_power_B_real	818.799	0.0	409.3995	0.0
load	N_1800067361	constant_power_A_reac	269.126	0.0	134.563	0.0
load	N_1800067361	constant_power_B_reac	269.126	0.0	134.563	0.0
load	N_1800041704	constant_power_A	1650.81	542.593	825.405	271.2965
load	N_1800041704	constant_power_B	1650.81	542.593	825.405	271.2965
load	N_1800041704	constant_power_A_real	1650.81	0.0	825.405	0.0
load	N_1800041704	constant_power_B_real	1650.81	0.0	825.405	0.0
load	N_1800041704	constant_power_A_reac	542.593	0.0	271.2965	0.0
load	N_1800041704	constant_power_B_reac	542.593	0.0	271.2965	0.0
load	N_1800067891	constant_power_A	862.821	283.595	431.4105	141.7975
load	N_1800067891	constant_power_B	862.821	283.595	431.4105	141.7975
load	N_1800067891	constant_power_C	862.821	283.595	431.4105	141.7975
load	N_1800067891	constant_power_A_real	862.821	0.0	431.4105	0.0
load	N_1800067891	constant_power_B_real	862.821	0.0	431.4105	0.0
load	N_1800067891	constant_power_C_real	862.821	0.0	431.4105	0.0
load	N_1800067891	constant_power_A_reac	283.595	0.0	141.7975	0.0
load	N_1800067891	constant_power_B_reac	283.595	0.0	141.7975	0.0
load	N_1800067891	constant_power_C_reac	283.595	0.0	141.7975	0.0
load	N_1800073130	constant_power_A	1197.38	393.561	598.69	196.7805
load	N_1800073130	constant_power_B	1197.38	393.561	598.69	196.7805
load	N_1800073130	constant_power_C	1197.38	393.561	598.69	196.7805
load	N_1800073130	constant_power_A_real	1197.38	0.0	598.69	0.0
load	N_1800073130	constant_power_B_real	1197.38	0.0	598.69	0.0
load	N_1800073130	constant_power_C_real	1197.38	0.0	598.69	0.0
load	N_1800073130	constant_power_A_reac	393.561	0.0	196.7805	0.0
load	N_1800073130	constant_power_B_reac	393.561	0.0	196.7805	0.0
load	N_1800073130	constant_power_C_reac	393.561	0.0	196.7805	0.0
load	N_1800073131	constant_power_A	721.952	447.426	360.976	223.713
load	N_1800073131	constant_power_B	721.952	447.426	360.976	223.713
load	N_1800073131	constant_power_C	721.952	447.426	360.976	223.713
load	N_1800073131	constant_power_A_real	721.952	0.0	360.976	0.0
load	N_1800073131	constant_power_B_real	721.952	0.0	360.976	0.0
load	N_1800073131	constant_power_C_real	721.952	0.0	360.976	0.0
load	N_1800073131	constant_power_A_reac	447.426	0.0	223.713	0.0
load	N_1800073131	constant_power_B_reac	447.426	0.0	223.713	0.0
load	N_1800073131	constant_power_C_reac	447.426	0.0	223.713	0.0
load	N_1800003769	constant_power_A	592.822	367.398	296.411	183.699
load	N_1800003769	constant_power_B	592.822	367.398	296.411	183.699
load	N_1800003769	constant_power_C	592.822	367.398	296.411	183.699
load	N_1800003769	constant_power_A_real	592.822	0.0	296.411	0.0
load	N_1800003769	constant_power_B_real	592.822	0.0	296.411	0.0
load	N_1800003769	constant_power_C_real	592.822	0.0	296.411	0.0
load	N_1800003769	constant_power_A_reac	367.398	0.0	183.699	0.0
load	N_1800003769	constant_power_B_reac	367.398	0.0	183.699	0.0
load	N_1800003769	constant_power_C_reac	367.398	0.0	183.699	0.0
load	N_1800073136	constant_power_A	1448.31	476.035	724.155	238.0175
load	N_1800073136	constant_power_B	1448.31	476.035	724.155	238.0175
load	N_1800073136	constant_power_A_real	1448.31	0.0	724.155	0.0
load	N_1800073136	constant_power_B_real	1448.31	0.0	724.155	0.0
load	N_1800073136	constant_power_A_reac	476.035	0.0	238.0175	0.0
load	N_1800073136	constant_power_B_reac	476.035	0.0	238.0175	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034215	constant_power_A	972.874	319.768	486.437	159.884
load	N_1800034215	constant_power_B	972.874	319.768	486.437	159.884
load	N_1800034215	constant_power_A_real	972.874	0.0	486.437	0.0
load	N_1800034215	constant_power_B_real	972.874	0.0	486.437	0.0
load	N_1800034215	constant_power_A_reac	319.768	0.0	159.884	0.0
load	N_1800034215	constant_power_B_reac	319.768	0.0	159.884	0.0
load	N_1800068291	constant_power_A	942.059	309.64	471.0295	154.82
load	N_1800068291	constant_power_B	942.059	309.64	471.0295	154.82
load	N_1800068291	constant_power_A_real	942.059	0.0	471.0295	0.0
load	N_1800068291	constant_power_B_real	942.059	0.0	471.0295	0.0
load	N_1800068291	constant_power_A_reac	309.64	0.0	154.82	0.0
load	N_1800068291	constant_power_B_reac	309.64	0.0	154.82	0.0
load	N_1800207608	constant_power_A	4745.51	1559.77	2372.755	779.885
load	N_1800207608	constant_power_B	4745.51	1559.77	2372.755	779.885
load	N_1800207608	constant_power_A_real	4745.51	0.0	2372.755	0.0
load	N_1800207608	constant_power_B_real	4745.51	0.0	2372.755	0.0
load	N_1800207608	constant_power_A_reac	1559.77	0.0	779.885	0.0
load	N_1800207608	constant_power_B_reac	1559.77	0.0	779.885	0.0
load	N_1800042747	constant_power_A	876.027	287.936	438.0135	143.968
load	N_1800042747	constant_power_B	876.027	287.936	438.0135	143.968
load	N_1800042747	constant_power_A_real	876.027	0.0	438.0135	0.0
load	N_1800042747	constant_power_B_real	876.027	0.0	438.0135	0.0
load	N_1800042747	constant_power_A_reac	287.936	0.0	143.968	0.0
load	N_1800042747	constant_power_B_reac	287.936	0.0	143.968	0.0
load	N_1800039585	constant_power_A	1901.73	657.527	950.865	328.7635
load	N_1800039585	constant_power_B	1901.73	657.527	950.865	328.7635
load	N_1800039585	constant_power_C	1901.73	657.527	950.865	328.7635
load	N_1800039585	constant_power_A_real	1901.73	0.0	950.865	0.0
load	N_1800039585	constant_power_B_real	1901.73	0.0	950.865	0.0
load	N_1800039585	constant_power_C_real	1901.73	0.0	950.865	0.0
load	N_1800039585	constant_power_A_reac	657.527	0.0	328.7635	0.0
load	N_1800039585	constant_power_B_reac	657.527	0.0	328.7635	0.0
load	N_1800039585	constant_power_C_reac	657.527	0.0	328.7635	0.0
load	N_1800077326	constant_power_A	427.008	140.351	213.504	70.1755
load	N_1800077326	constant_power_B	427.008	140.351	213.504	70.1755
load	N_1800077326	constant_power_A_real	427.008	0.0	213.504	0.0
load	N_1800077326	constant_power_B_real	427.008	0.0	213.504	0.0
load	N_1800077326	constant_power_A_reac	140.351	0.0	70.1755	0.0
load	N_1800077326	constant_power_B_reac	140.351	0.0	70.1755	0.0
load	N_1800039583	constant_power_A	848.147	278.772	424.0735	139.386
load	N_1800039583	constant_power_B	848.147	278.772	424.0735	139.386
load	N_1800039583	constant_power_C	848.147	278.772	424.0735	139.386
load	N_1800039583	constant_power_A_real	848.147	0.0	424.0735	0.0
load	N_1800039583	constant_power_B_real	848.147	0.0	424.0735	0.0
load	N_1800039583	constant_power_C_real	848.147	0.0	424.0735	0.0
load	N_1800039583	constant_power_A_reac	278.772	0.0	139.386	0.0
load	N_1800039583	constant_power_B_reac	278.772	0.0	139.386	0.0
load	N_1800039583	constant_power_C_reac	278.772	0.0	139.386	0.0
load	N_1800039582	constant_power_A	2601.67	855.127	1300.835	427.5635
load	N_1800039582	constant_power_B	2601.67	855.127	1300.835	427.5635
load	N_1800039582	constant_power_A_real	2601.67	0.0	1300.835	0.0
load	N_1800039582	constant_power_B_real	2601.67	0.0	1300.835	0.0
load	N_1800039582	constant_power_A_reac	855.127	0.0	427.5635	0.0
load	N_1800039582	constant_power_B_reac	855.127	0.0	427.5635	0.0
load	N_1800039581	constant_power_A	2139.44	703.201	1069.72	351.6005
load	N_1800039581	constant_power_B	2139.44	703.201	1069.72	351.6005
load	N_1800039581	constant_power_A_real	2139.44	0.0	1069.72	0.0
load	N_1800039581	constant_power_B_real	2139.44	0.0	1069.72	0.0
load	N_1800039581	constant_power_A_reac	703.201	0.0	351.6005	0.0
load	N_1800039581	constant_power_B_reac	703.201	0.0	351.6005	0.0
load	N_1800039580	constant_power_A	1628.79	535.359	814.395	267.6795
load	N_1800039580	constant_power_B	1628.79	535.359	814.395	267.6795
load	N_1800039580	constant_power_A_real	1628.79	0.0	814.395	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800039580	constant_power_B_real	1628.79	0.0	814.395	0.0
load	N_1800039580	constant_power_A_reac	535.359	0.0	267.6795	0.0
load	N_1800039580	constant_power_B_reac	535.359	0.0	267.6795	0.0
load	N_1800069067	constant_power_A	1756.46	577.319	878.23	288.6595
load	N_1800069067	constant_power_B	1756.46	577.319	878.23	288.6595
load	N_1800069067	constant_power_A_real	1756.46	0.0	878.23	0.0
load	N_1800069067	constant_power_B_real	1756.46	0.0	878.23	0.0
load	N_1800069067	constant_power_A_reac	577.319	0.0	288.6595	0.0
load	N_1800069067	constant_power_B_reac	577.319	0.0	288.6595	0.0
load	N_1800069060	constant_power_A	673.528	221.378	336.764	110.689
load	N_1800069060	constant_power_B	673.528	221.378	336.764	110.689
load	N_1800069060	constant_power_A_real	673.528	0.0	336.764	0.0
load	N_1800069060	constant_power_B_real	673.528	0.0	336.764	0.0
load	N_1800069060	constant_power_A_reac	221.378	0.0	110.689	0.0
load	N_1800069060	constant_power_B_reac	221.378	0.0	110.689	0.0
load	N_1800069062	constant_power_A	964.07	316.874	482.035	158.437
load	N_1800069062	constant_power_B	964.07	316.874	482.035	158.437
load	N_1800069062	constant_power_A_real	964.07	0.0	482.035	0.0
load	N_1800069062	constant_power_B_real	964.07	0.0	482.035	0.0
load	N_1800069062	constant_power_A_reac	316.874	0.0	158.437	0.0
load	N_1800069062	constant_power_B_reac	316.874	0.0	158.437	0.0
load	N_1800073044	constant_power_A	1664.01	546.934	832.005	273.467
load	N_1800073044	constant_power_B	1664.01	546.934	832.005	273.467
load	N_1800073044	constant_power_A_real	1664.01	0.0	832.005	0.0
load	N_1800073044	constant_power_B_real	1664.01	0.0	832.005	0.0
load	N_1800073044	constant_power_A_reac	546.934	0.0	273.467	0.0
load	N_1800073044	constant_power_B_reac	546.934	0.0	273.467	0.0
load	N_1800073045	constant_power_A	5894.47	1937.42	2947.235	968.71
load	N_1800073045	constant_power_B	5894.47	1937.42	2947.235	968.71
load	N_1800073045	constant_power_A_real	5894.47	0.0	2947.235	0.0
load	N_1800073045	constant_power_B_real	5894.47	0.0	2947.235	0.0
load	N_1800073045	constant_power_A_reac	1937.42	0.0	968.71	0.0
load	N_1800073045	constant_power_B_reac	1937.42	0.0	968.71	0.0
load	N_1800198389	constant_power_A	1052.11	345.813	526.055	172.9065
load	N_1800198389	constant_power_B	1052.11	345.813	526.055	172.9065
load	N_1800198389	constant_power_A_real	1052.11	0.0	526.055	0.0
load	N_1800198389	constant_power_B_real	1052.11	0.0	526.055	0.0
load	N_1800198389	constant_power_A_reac	345.813	0.0	172.9065	0.0
load	N_1800198389	constant_power_B_reac	345.813	0.0	172.9065	0.0
load	N_1800073047	constant_power_A	1413.09	464.46	706.545	232.23
load	N_1800073047	constant_power_B	1413.09	464.46	706.545	232.23
load	N_1800073047	constant_power_A_real	1413.09	0.0	706.545	0.0
load	N_1800073047	constant_power_B_real	1413.09	0.0	706.545	0.0
load	N_1800073047	constant_power_A_reac	464.46	0.0	232.23	0.0
load	N_1800073047	constant_power_B_reac	464.46	0.0	232.23	0.0
load	N_1800073040	constant_power_A	1879.72	617.833	939.86	308.9165
load	N_1800073040	constant_power_B	1879.72	617.833	939.86	308.9165
load	N_1800073040	constant_power_A_real	1879.72	0.0	939.86	0.0
load	N_1800073040	constant_power_B_real	1879.72	0.0	939.86	0.0
load	N_1800073040	constant_power_A_reac	617.833	0.0	308.9165	0.0
load	N_1800073040	constant_power_B_reac	617.833	0.0	308.9165	0.0
load	N_1800073041	constant_power_A	2460.8	808.826	1230.4	404.413
load	N_1800073041	constant_power_B	2460.8	808.826	1230.4	404.413
load	N_1800073041	constant_power_A_real	2460.8	0.0	1230.4	0.0
load	N_1800073041	constant_power_B_real	2460.8	0.0	1230.4	0.0
load	N_1800073041	constant_power_A_reac	808.826	0.0	404.413	0.0
load	N_1800073041	constant_power_B_reac	808.826	0.0	404.413	0.0
load	N_1800073042	constant_power_A	1677.22	551.275	838.61	275.6375
load	N_1800073042	constant_power_B	1677.22	551.275	838.61	275.6375
load	N_1800073042	constant_power_A_real	1677.22	0.0	838.61	0.0
load	N_1800073042	constant_power_B_real	1677.22	0.0	838.61	0.0
load	N_1800073042	constant_power_A_reac	551.275	0.0	275.6375	0.0
load	N_1800073042	constant_power_B_reac	551.275	0.0	275.6375	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073043	constant_power_A	1963.36	645.324	981.68	322.662
load	N_1800073043	constant_power_B	1963.36	645.324	981.68	322.662
load	N_1800073043	constant_power_A_real	1963.36	0.0	981.68	0.0
load	N_1800073043	constant_power_B_real	1963.36	0.0	981.68	0.0
load	N_1800073043	constant_power_A_reac	645.324	0.0	322.662	0.0
load	N_1800073043	constant_power_B_reac	645.324	0.0	322.662	0.0
load	N_1800073048	constant_power_A	796.788	261.892	398.394	130.946
load	N_1800073048	constant_power_B	796.788	261.892	398.394	130.946
load	N_1800073048	constant_power_A_real	796.788	0.0	398.394	0.0
load	N_1800073048	constant_power_B_real	796.788	0.0	398.394	0.0
load	N_1800073048	constant_power_A_reac	261.892	0.0	130.946	0.0
load	N_1800073048	constant_power_B_reac	261.892	0.0	130.946	0.0
load	N_1800035329	constant_power_A	2258.3	742.268	1129.15	371.134
load	N_1800035329	constant_power_B	2258.3	742.268	1129.15	371.134
load	N_1800035329	constant_power_A_real	2258.3	0.0	1129.15	0.0
load	N_1800035329	constant_power_B_real	2258.3	0.0	1129.15	0.0
load	N_1800035329	constant_power_A_reac	742.268	0.0	371.134	0.0
load	N_1800035329	constant_power_B_reac	742.268	0.0	371.134	0.0
load	N_1800070567	constant_power_A	956.733	314.463	478.3665	157.2315
load	N_1800070567	constant_power_B	956.733	314.463	478.3665	157.2315
load	N_1800070567	constant_power_C	956.733	314.463	478.3665	157.2315
load	N_1800070567	constant_power_A_real	956.733	0.0	478.3665	0.0
load	N_1800070567	constant_power_B_real	956.733	0.0	478.3665	0.0
load	N_1800070567	constant_power_C_real	956.733	0.0	478.3665	0.0
load	N_1800070567	constant_power_A_reac	314.463	0.0	157.2315	0.0
load	N_1800070567	constant_power_B_reac	314.463	0.0	157.2315	0.0
load	N_1800070567	constant_power_C_reac	314.463	0.0	157.2315	0.0
load	N_1800070552	constant_power_A	768.908	252.728	384.454	126.364
load	N_1800070552	constant_power_B	768.908	252.728	384.454	126.364
load	N_1800070552	constant_power_C	768.908	252.728	384.454	126.364
load	N_1800070552	constant_power_A_real	768.908	0.0	384.454	0.0
load	N_1800070552	constant_power_B_real	768.908	0.0	384.454	0.0
load	N_1800070552	constant_power_C_real	768.908	0.0	384.454	0.0
load	N_1800070552	constant_power_A_reac	252.728	0.0	126.364	0.0
load	N_1800070552	constant_power_B_reac	252.728	0.0	126.364	0.0
load	N_1800070552	constant_power_C_reac	252.728	0.0	126.364	0.0
load	N_1800070003	constant_power_A	1760.86	578.766	880.43	289.383
load	N_1800070003	constant_power_B	1760.86	578.766	880.43	289.383
load	N_1800070003	constant_power_A_real	1760.86	0.0	880.43	0.0
load	N_1800070003	constant_power_B_real	1760.86	0.0	880.43	0.0
load	N_1800070003	constant_power_A_reac	578.766	0.0	289.383	0.0
load	N_1800070003	constant_power_B_reac	578.766	0.0	289.383	0.0
load	N_1800082348	constant_power_A	19666.7	12188.3	9833.35	6094.15
load	N_1800082348	constant_power_B	19666.7	12188.3	9833.35	6094.15
load	N_1800082348	constant_power_C	19666.7	12188.3	9833.35	6094.15
load	N_1800082348	constant_power_A_real	19666.7	0.0	9833.35	0.0
load	N_1800082348	constant_power_B_real	19666.7	0.0	9833.35	0.0
load	N_1800082348	constant_power_C_real	19666.7	0.0	9833.35	0.0
load	N_1800082348	constant_power_A_reac	12188.3	0.0	6094.15	0.0
load	N_1800082348	constant_power_B_reac	12188.3	0.0	6094.15	0.0
load	N_1800082348	constant_power_C_reac	12188.3	0.0	6094.15	0.0
load	N_1800067946	constant_power_A	542.931	178.453	271.4655	89.2265
load	N_1800067946	constant_power_B	542.931	178.453	271.4655	89.2265
load	N_1800067946	constant_power_C	542.931	178.453	271.4655	89.2265
load	N_1800067946	constant_power_A_real	542.931	0.0	271.4655	0.0
load	N_1800067946	constant_power_B_real	542.931	0.0	271.4655	0.0
load	N_1800067946	constant_power_C_real	542.931	0.0	271.4655	0.0
load	N_1800067946	constant_power_A_reac	178.453	0.0	89.2265	0.0
load	N_1800067946	constant_power_B_reac	178.453	0.0	89.2265	0.0
load	N_1800067946	constant_power_C_reac	178.453	0.0	89.2265	0.0
load	N_1800035490	constant_power_A	3380.85	1111.23	1690.425	555.615
load	N_1800035490	constant_power_B	3380.85	1111.23	1690.425	555.615
load	N_1800035490	constant_power_A_real	3380.85	0.0	1690.425	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800035490	constant_power_B_real	3380.85	0.0	1690.425	0.0
load	N_1800035490	constant_power_A_reac	1111.23	0.0	555.615	0.0
load	N_1800035490	constant_power_B_reac	1111.23	0.0	555.615	0.0
load	N_1800069391	constant_power_A	761.571	250.316	380.7855	125.158
load	N_1800069391	constant_power_C	761.571	250.316	380.7855	125.158
load	N_1800069391	constant_power_A_real	761.571	0.0	380.7855	0.0
load	N_1800069391	constant_power_C_real	761.571	0.0	380.7855	0.0
load	N_1800069391	constant_power_A_reac	250.316	0.0	125.158	0.0
load	N_1800069391	constant_power_C_reac	250.316	0.0	125.158	0.0
load	N_1800069390	constant_power_A	294.944	96.9434	147.472	48.4717
load	N_1800069390	constant_power_C	294.944	96.9434	147.472	48.4717
load	N_1800069390	constant_power_A_real	294.944	0.0	147.472	0.0
load	N_1800069390	constant_power_C_real	294.944	0.0	147.472	0.0
load	N_1800069390	constant_power_A_reac	96.9434	0.0	48.4717	0.0
load	N_1800069390	constant_power_C_reac	96.9434	0.0	48.4717	0.0
load	N_1800069397	constant_power_A	625.105	205.462	312.5525	102.731
load	N_1800069397	constant_power_C	625.105	205.462	312.5525	102.731
load	N_1800069397	constant_power_A_real	625.105	0.0	312.5525	0.0
load	N_1800069397	constant_power_C_real	625.105	0.0	312.5525	0.0
load	N_1800069397	constant_power_A_reac	205.462	0.0	102.731	0.0
load	N_1800069397	constant_power_C_reac	205.462	0.0	102.731	0.0
load	N_1800069394	constant_power_A	801.191	263.339	400.5955	131.6695
load	N_1800069394	constant_power_C	801.191	263.339	400.5955	131.6695
load	N_1800069394	constant_power_A_real	801.191	0.0	400.5955	0.0
load	N_1800069394	constant_power_C_real	801.191	0.0	400.5955	0.0
load	N_1800069394	constant_power_A_reac	263.339	0.0	131.6695	0.0
load	N_1800069394	constant_power_C_reac	263.339	0.0	131.6695	0.0
load	N_1800073591	constant_power_A	1338.25	439.862	669.125	219.931
load	N_1800073591	constant_power_B	1338.25	439.862	669.125	219.931
load	N_1800073591	constant_power_A_real	1338.25	0.0	669.125	0.0
load	N_1800073591	constant_power_B_real	1338.25	0.0	669.125	0.0
load	N_1800073591	constant_power_A_reac	439.862	0.0	219.931	0.0
load	N_1800073591	constant_power_B_reac	439.862	0.0	219.931	0.0
load	N_1800073594	constant_power_A	1589.17	522.337	794.585	261.1685
load	N_1800073594	constant_power_B	1589.17	522.337	794.585	261.1685
load	N_1800073594	constant_power_A_real	1589.17	0.0	794.585	0.0
load	N_1800073594	constant_power_B_real	1589.17	0.0	794.585	0.0
load	N_1800073594	constant_power_A_reac	522.337	0.0	261.1685	0.0
load	N_1800073594	constant_power_B_reac	522.337	0.0	261.1685	0.0
load	N_1800069662	constant_power_A	1950.15	640.984	975.075	320.492
load	N_1800069662	constant_power_B	1950.15	640.984	975.075	320.492
load	N_1800069662	constant_power_A_real	1950.15	0.0	975.075	0.0
load	N_1800069662	constant_power_B_real	1950.15	0.0	975.075	0.0
load	N_1800069662	constant_power_A_reac	640.984	0.0	320.492	0.0
load	N_1800069662	constant_power_B_reac	640.984	0.0	320.492	0.0
load	N_1800069661	constant_power_A	4256.88	1399.17	2128.44	699.585
load	N_1800069661	constant_power_B	4256.88	1399.17	2128.44	699.585
load	N_1800069661	constant_power_A_real	4256.88	0.0	2128.44	0.0
load	N_1800069661	constant_power_B_real	4256.88	0.0	2128.44	0.0
load	N_1800069661	constant_power_A_reac	1399.17	0.0	699.585	0.0
load	N_1800069661	constant_power_B_reac	1399.17	0.0	699.585	0.0
load	N_1800069660	constant_power_A	2535.64	833.423	1267.82	416.7115
load	N_1800069660	constant_power_B	2535.64	833.423	1267.82	416.7115
load	N_1800069660	constant_power_A_real	2535.64	0.0	1267.82	0.0
load	N_1800069660	constant_power_B_real	2535.64	0.0	1267.82	0.0
load	N_1800069660	constant_power_A_reac	833.423	0.0	416.7115	0.0
load	N_1800069660	constant_power_B_reac	833.423	0.0	416.7115	0.0
load	N_1800069665	constant_power_A	1470.32	483.27	735.16	241.635
load	N_1800069665	constant_power_B	1470.32	483.27	735.16	241.635
load	N_1800069665	constant_power_A_real	1470.32	0.0	735.16	0.0
load	N_1800069665	constant_power_B_real	1470.32	0.0	735.16	0.0
load	N_1800069665	constant_power_A_reac	483.27	0.0	241.635	0.0
load	N_1800069665	constant_power_B_reac	483.27	0.0	241.635	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800002904	constant_power_A	3173.95	1155.98	1586.975	577.99
load	N_1800002904	constant_power_B	3173.95	1155.98	1586.975	577.99
load	N_1800002904	constant_power_A_real	3173.95	0.0	1586.975	0.0
load	N_1800002904	constant_power_B_real	3173.95	0.0	1586.975	0.0
load	N_1800002904	constant_power_A_reac	1155.98	0.0	577.99	0.0
load	N_1800002904	constant_power_B_reac	1155.98	0.0	577.99	0.0
load	N_1800194394	constant_power_A	360.976	118.647	180.488	59.3235
load	N_1800194394	constant_power_B	360.976	118.647	180.488	59.3235
load	N_1800194394	constant_power_C	360.976	118.647	180.488	59.3235
load	N_1800194394	constant_power_A_real	360.976	0.0	180.488	0.0
load	N_1800194394	constant_power_B_real	360.976	0.0	180.488	0.0
load	N_1800194394	constant_power_C_real	360.976	0.0	180.488	0.0
load	N_1800194394	constant_power_A_reac	118.647	0.0	59.3235	0.0
load	N_1800194394	constant_power_B_reac	118.647	0.0	59.3235	0.0
load	N_1800194394	constant_power_C_reac	118.647	0.0	59.3235	0.0
load	N_1800069803	constant_power_A	1575.97	517.996	787.985	258.998
load	N_1800069803	constant_power_B	1575.97	517.996	787.985	258.998
load	N_1800069803	constant_power_C	1575.97	517.996	787.985	258.998
load	N_1800069803	constant_power_A_real	1575.97	0.0	787.985	0.0
load	N_1800069803	constant_power_B_real	1575.97	0.0	787.985	0.0
load	N_1800069803	constant_power_C_real	1575.97	0.0	787.985	0.0
load	N_1800069803	constant_power_A_reac	517.996	0.0	258.998	0.0
load	N_1800069803	constant_power_B_reac	517.996	0.0	258.998	0.0
load	N_1800069803	constant_power_C_reac	517.996	0.0	258.998	0.0
load	N_1800069802	constant_power_A	733.691	454.701	366.8455	227.3505
load	N_1800069802	constant_power_B	733.691	454.701	366.8455	227.3505
load	N_1800069802	constant_power_C	733.691	454.701	366.8455	227.3505
load	N_1800069802	constant_power_A_real	733.691	0.0	366.8455	0.0
load	N_1800069802	constant_power_B_real	733.691	0.0	366.8455	0.0
load	N_1800069802	constant_power_C_real	733.691	0.0	366.8455	0.0
load	N_1800069802	constant_power_A_reac	454.701	0.0	227.3505	0.0
load	N_1800069802	constant_power_B_reac	454.701	0.0	227.3505	0.0
load	N_1800069802	constant_power_C_reac	454.701	0.0	227.3505	0.0
load	N_1800002498	constant_power_A	3231.18	1347.34	1615.59	673.67
load	N_1800002498	constant_power_B	3231.18	1347.34	1615.59	673.67
load	N_1800002498	constant_power_C	3231.18	1347.34	1615.59	673.67
load	N_1800002498	constant_power_A_real	3231.18	0.0	1615.59	0.0
load	N_1800002498	constant_power_B_real	3231.18	0.0	1615.59	0.0
load	N_1800002498	constant_power_C_real	3231.18	0.0	1615.59	0.0
load	N_1800002498	constant_power_A_reac	1347.34	0.0	673.67	0.0
load	N_1800002498	constant_power_B_reac	1347.34	0.0	673.67	0.0
load	N_1800002498	constant_power_C_reac	1347.34	0.0	673.67	0.0
load	N_1800002497	constant_power_A	1329.45	436.968	664.725	218.484
load	N_1800002497	constant_power_B	1329.45	436.968	664.725	218.484
load	N_1800002497	constant_power_A_real	1329.45	0.0	664.725	0.0
load	N_1800002497	constant_power_B_real	1329.45	0.0	664.725	0.0
load	N_1800002497	constant_power_A_reac	436.968	0.0	218.484	0.0
load	N_1800002497	constant_power_B_reac	436.968	0.0	218.484	0.0
load	N_1800039754	constant_power_A	695.539	228.613	347.7695	114.3065
load	N_1800039754	constant_power_B	695.539	228.613	347.7695	114.3065
load	N_1800039754	constant_power_A_real	695.539	0.0	347.7695	0.0
load	N_1800039754	constant_power_B_real	695.539	0.0	347.7695	0.0
load	N_1800039754	constant_power_A_reac	228.613	0.0	114.3065	0.0
load	N_1800039754	constant_power_B_reac	228.613	0.0	114.3065	0.0
load	N_1800045064	constant_power_A	1487.92	489.057	743.96	244.5285
load	N_1800045064	constant_power_B	1487.92	489.057	743.96	244.5285
load	N_1800045064	constant_power_A_real	1487.92	0.0	743.96	0.0
load	N_1800045064	constant_power_B_real	1487.92	0.0	743.96	0.0
load	N_1800045064	constant_power_A_reac	489.057	0.0	244.5285	0.0
load	N_1800045064	constant_power_B_reac	489.057	0.0	244.5285	0.0
load	N_1800018785	constant_power_A	787.984	258.998	393.992	129.499
load	N_1800018785	constant_power_B	787.984	258.998	393.992	129.499
load	N_1800018785	constant_power_A_real	787.984	0.0	393.992	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800018785	constant_power_B_real	787.984	0.0	393.992	0.0
load	N_1800018785	constant_power_A_reac	258.998	0.0	129.499	0.0
load	N_1800018785	constant_power_B_reac	258.998	0.0	129.499	0.0
load	N_1800018787	constant_power_A	2711.72	891.3	1355.86	445.65
load	N_1800018787	constant_power_B	2711.72	891.3	1355.86	445.65
load	N_1800018787	constant_power_A_real	2711.72	0.0	1355.86	0.0
load	N_1800018787	constant_power_B_real	2711.72	0.0	1355.86	0.0
load	N_1800018787	constant_power_A_reac	891.3	0.0	445.65	0.0
load	N_1800018787	constant_power_B_reac	891.3	0.0	445.65	0.0
load	N_1800018789	constant_power_A	4459.37	1465.73	2229.685	732.865
load	N_1800018789	constant_power_B	4459.37	1465.73	2229.685	732.865
load	N_1800018789	constant_power_A_real	4459.37	0.0	2229.685	0.0
load	N_1800018789	constant_power_B_real	4459.37	0.0	2229.685	0.0
load	N_1800018789	constant_power_A_reac	1465.73	0.0	732.865	0.0
load	N_1800018789	constant_power_B_reac	1465.73	0.0	732.865	0.0
load	N_1800067898	constant_power_A	594.29	195.334	297.145	97.667
load	N_1800067898	constant_power_B	594.29	195.334	297.145	97.667
load	N_1800067898	constant_power_A_real	594.29	0.0	297.145	0.0
load	N_1800067898	constant_power_B_real	594.29	0.0	297.145	0.0
load	N_1800067898	constant_power_A_reac	195.334	0.0	97.667	0.0
load	N_1800067898	constant_power_B_reac	195.334	0.0	97.667	0.0
load	N_1800070481	constant_power_A	1129.88	371.375	564.94	185.6875
load	N_1800070481	constant_power_B	1129.88	371.375	564.94	185.6875
load	N_1800070481	constant_power_C	1129.88	371.375	564.94	185.6875
load	N_1800070481	constant_power_A_real	1129.88	0.0	564.94	0.0
load	N_1800070481	constant_power_B_real	1129.88	0.0	564.94	0.0
load	N_1800070481	constant_power_C_real	1129.88	0.0	564.94	0.0
load	N_1800070481	constant_power_A_reac	371.375	0.0	185.6875	0.0
load	N_1800070481	constant_power_B_reac	371.375	0.0	185.6875	0.0
load	N_1800070481	constant_power_C_reac	371.375	0.0	185.6875	0.0
load	N_1800073468	constant_power_A	7897.45	2595.77	3948.725	1297.885
load	N_1800073468	constant_power_B	7897.45	2595.77	3948.725	1297.885
load	N_1800073468	constant_power_A_real	7897.45	0.0	3948.725	0.0
load	N_1800073468	constant_power_B_real	7897.45	0.0	3948.725	0.0
load	N_1800073468	constant_power_A_reac	2595.77	0.0	1297.885	0.0
load	N_1800073468	constant_power_B_reac	2595.77	0.0	1297.885	0.0
load	N_1800073469	constant_power_A	3935.52	1293.54	1967.76	646.77
load	N_1800073469	constant_power_B	3935.52	1293.54	1967.76	646.77
load	N_1800073469	constant_power_A_real	3935.52	0.0	1967.76	0.0
load	N_1800073469	constant_power_B_real	3935.52	0.0	1967.76	0.0
load	N_1800073469	constant_power_A_reac	1293.54	0.0	646.77	0.0
load	N_1800073469	constant_power_B_reac	1293.54	0.0	646.77	0.0
load	N_18000197184	constant_power_A	3147.53	1034.54	1573.765	517.27
load	N_18000197184	constant_power_B	3147.53	1034.54	1573.765	517.27
load	N_18000197184	constant_power_A_real	3147.53	0.0	1573.765	0.0
load	N_18000197184	constant_power_B_real	3147.53	0.0	1573.765	0.0
load	N_18000197184	constant_power_A_reac	1034.54	0.0	517.27	0.0
load	N_18000197184	constant_power_B_reac	1034.54	0.0	517.27	0.0
load	N_1800073464	constant_power_A	10446.3	4192.05	5223.15	2096.025
load	N_1800073464	constant_power_B	10446.3	4192.05	5223.15	2096.025
load	N_1800073464	constant_power_A_real	10446.3	0.0	5223.15	0.0
load	N_1800073464	constant_power_B_real	10446.3	0.0	5223.15	0.0
load	N_1800073464	constant_power_A_reac	4192.05	0.0	2096.025	0.0
load	N_1800073464	constant_power_B_reac	4192.05	0.0	2096.025	0.0
load	N_1800073465	constant_power_A	5907.68	1941.76	2953.84	970.88
load	N_1800073465	constant_power_B	5907.68	1941.76	2953.84	970.88
load	N_1800073465	constant_power_A_real	5907.68	0.0	2953.84	0.0
load	N_1800073465	constant_power_B_real	5907.68	0.0	2953.84	0.0
load	N_1800073465	constant_power_A_reac	1941.76	0.0	970.88	0.0
load	N_1800073465	constant_power_B_reac	1941.76	0.0	970.88	0.0
load	N_1800013267	constant_power_A	2667.7	1653.29	1333.85	826.645
load	N_1800013267	constant_power_B	2667.7	1653.29	1333.85	826.645
load	N_1800013267	constant_power_A_real	2667.7	0.0	1333.85	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800013267	constant_power_B_real	2667.7	0.0	1333.85	0.0
load	N_1800013267	constant_power_A_reac	1653.29	0.0	826.645	0.0
load	N_1800013267	constant_power_B_reac	1653.29	0.0	826.645	0.0
load	N_1800068626	constant_power_A	1545.15	507.867	772.575	253.9335
load	N_1800068626	constant_power_B	1545.15	507.867	772.575	253.9335
load	N_1800068626	constant_power_A_real	1545.15	0.0	772.575	0.0
load	N_1800068626	constant_power_B_real	1545.15	0.0	772.575	0.0
load	N_1800068626	constant_power_A_reac	507.867	0.0	253.9335	0.0
load	N_1800068626	constant_power_B_reac	507.867	0.0	253.9335	0.0
load	N_1800068627	constant_power_A	2474.01	813.166	1237.005	406.583
load	N_1800068627	constant_power_B	2474.01	813.166	1237.005	406.583
load	N_1800068627	constant_power_A_real	2474.01	0.0	1237.005	0.0
load	N_1800068627	constant_power_B_real	2474.01	0.0	1237.005	0.0
load	N_1800068627	constant_power_A_reac	813.166	0.0	406.583	0.0
load	N_1800068627	constant_power_B_reac	813.166	0.0	406.583	0.0
load	N_1800069716	constant_power_A	2927.43	962.199	1463.715	481.0995
load	N_1800069716	constant_power_B	2927.43	962.199	1463.715	481.0995
load	N_1800069716	constant_power_A_real	2927.43	0.0	1463.715	0.0
load	N_1800069716	constant_power_B_real	2927.43	0.0	1463.715	0.0
load	N_1800069716	constant_power_A_reac	962.199	0.0	481.0995	0.0
load	N_1800069716	constant_power_B_reac	962.199	0.0	481.0995	0.0
load	N_1800069715	constant_power_A	933.255	306.746	466.6275	153.373
load	N_1800069715	constant_power_B	933.255	306.746	466.6275	153.373
load	N_1800069715	constant_power_A_real	933.255	0.0	466.6275	0.0
load	N_1800069715	constant_power_B_real	933.255	0.0	466.6275	0.0
load	N_1800069715	constant_power_A_reac	306.746	0.0	153.373	0.0
load	N_1800069715	constant_power_B_reac	306.746	0.0	153.373	0.0
load	N_1800069246	constant_power_A	3565.74	1228.38	1782.87	614.19
load	N_1800069246	constant_power_B	3565.74	1228.38	1782.87	614.19
load	N_1800069246	constant_power_A_real	3565.74	0.0	1782.87	0.0
load	N_1800069246	constant_power_B_real	3565.74	0.0	1782.87	0.0
load	N_1800069246	constant_power_A_reac	1228.38	0.0	614.19	0.0
load	N_1800069246	constant_power_B_reac	1228.38	0.0	614.19	0.0
load	N_1800022994	constant_power_A	3345.63	1099.66	1672.815	549.83
load	N_1800022994	constant_power_B	3345.63	1099.66	1672.815	549.83
load	N_1800022994	constant_power_A_real	3345.63	0.0	1672.815	0.0
load	N_1800022994	constant_power_B_real	3345.63	0.0	1672.815	0.0
load	N_1800022994	constant_power_A_reac	1099.66	0.0	549.83	0.0
load	N_1800022994	constant_power_B_reac	1099.66	0.0	549.83	0.0
load	N_1800022995	constant_power_A	497.442	308.287	248.721	154.1435
load	N_1800022995	constant_power_B	497.442	308.287	248.721	154.1435
load	N_1800022995	constant_power_A_real	497.442	0.0	248.721	0.0
load	N_1800022995	constant_power_B_real	497.442	0.0	248.721	0.0
load	N_1800022995	constant_power_A_reac	308.287	0.0	154.1435	0.0
load	N_1800022995	constant_power_B_reac	308.287	0.0	154.1435	0.0
load	N_1800022996	constant_power_A	523.855	172.183	261.9275	86.0915
load	N_1800022996	constant_power_B	523.855	172.183	261.9275	86.0915
load	N_1800022996	constant_power_A_real	523.855	0.0	261.9275	0.0
load	N_1800022996	constant_power_B_real	523.855	0.0	261.9275	0.0
load	N_1800022996	constant_power_A_reac	172.183	0.0	86.0915	0.0
load	N_1800022996	constant_power_B_reac	172.183	0.0	86.0915	0.0
load	N_1800022999	constant_power_A	4380.14	1439.68	2190.07	719.84
load	N_1800022999	constant_power_B	4380.14	1439.68	2190.07	719.84
load	N_1800022999	constant_power_A_real	4380.14	0.0	2190.07	0.0
load	N_1800022999	constant_power_B_real	4380.14	0.0	2190.07	0.0
load	N_1800022999	constant_power_A_reac	1439.68	0.0	719.84	0.0
load	N_1800022999	constant_power_B_reac	1439.68	0.0	719.84	0.0
load	N_1800069249	constant_power_A	585.485	192.44	292.7425	96.22
load	N_1800069249	constant_power_B	585.485	192.44	292.7425	96.22
load	N_1800069249	constant_power_A_real	585.485	0.0	292.7425	0.0
load	N_1800069249	constant_power_B_real	585.485	0.0	292.7425	0.0
load	N_1800069249	constant_power_A_reac	192.44	0.0	96.22	0.0
load	N_1800069249	constant_power_B_reac	192.44	0.0	96.22	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069248	constant_power_A	792.386	260.445	396.193	130.2225
load	N_1800069248	constant_power_B	792.386	260.445	396.193	130.2225
load	N_1800069248	constant_power_A_real	792.386	0.0	396.193	0.0
load	N_1800069248	constant_power_B_real	792.386	0.0	396.193	0.0
load	N_1800069248	constant_power_A_reac	260.445	0.0	130.2225	0.0
load	N_1800069248	constant_power_B_reac	260.445	0.0	130.2225	0.0
load	N_1800071197	constant_power_A	815.864	268.162	407.932	134.081
load	N_1800071197	constant_power_B	815.864	268.162	407.932	134.081
load	N_1800071197	constant_power_C	815.864	268.162	407.932	134.081
load	N_1800071197	constant_power_A_real	815.864	0.0	407.932	0.0
load	N_1800071197	constant_power_B_real	815.864	0.0	407.932	0.0
load	N_1800071197	constant_power_C_real	815.864	0.0	407.932	0.0
load	N_1800071197	constant_power_A_reac	268.162	0.0	134.081	0.0
load	N_1800071197	constant_power_B_reac	268.162	0.0	134.081	0.0
load	N_1800071197	constant_power_C_reac	268.162	0.0	134.081	0.0
load	N_1800065250	constant_power_A	1884.12	619.28	942.06	309.64
load	N_1800065250	constant_power_B	1884.12	619.28	942.06	309.64
load	N_1800065250	constant_power_A_real	1884.12	0.0	942.06	0.0
load	N_1800065250	constant_power_B_real	1884.12	0.0	942.06	0.0
load	N_1800065250	constant_power_A_reac	619.28	0.0	309.64	0.0
load	N_1800065250	constant_power_B_reac	619.28	0.0	309.64	0.0
load	N_1800069937	constant_power_A	4328.78	1595.35	2164.39	797.675
load	N_1800069937	constant_power_B	4328.78	1595.35	2164.39	797.675
load	N_1800069937	constant_power_C	4328.78	1595.35	2164.39	797.675
load	N_1800069937	constant_power_A_real	4328.78	0.0	2164.39	0.0
load	N_1800069937	constant_power_B_real	4328.78	0.0	2164.39	0.0
load	N_1800069937	constant_power_C_real	4328.78	0.0	2164.39	0.0
load	N_1800069937	constant_power_A_reac	1595.35	0.0	797.675	0.0
load	N_1800069937	constant_power_B_reac	1595.35	0.0	797.675	0.0
load	N_1800069937	constant_power_C_reac	1595.35	0.0	797.675	0.0
load	N_1800069936	constant_power_A	1074.12	353.047	537.06	176.5235
load	N_1800069936	constant_power_B	1074.12	353.047	537.06	176.5235
load	N_1800069936	constant_power_C	1074.12	353.047	537.06	176.5235
load	N_1800069936	constant_power_A_real	1074.12	0.0	537.06	0.0
load	N_1800069936	constant_power_B_real	1074.12	0.0	537.06	0.0
load	N_1800069936	constant_power_C_real	1074.12	0.0	537.06	0.0
load	N_1800069936	constant_power_A_reac	353.047	0.0	176.5235	0.0
load	N_1800069936	constant_power_B_reac	353.047	0.0	176.5235	0.0
load	N_1800069936	constant_power_C_reac	353.047	0.0	176.5235	0.0
load	N_1800068331	constant_power_A	3411.66	1121.36	1705.83	560.68
load	N_1800068331	constant_power_B	3411.66	1121.36	1705.83	560.68
load	N_1800068331	constant_power_A_real	3411.66	0.0	1705.83	0.0
load	N_1800068331	constant_power_B_real	3411.66	0.0	1705.83	0.0
load	N_1800068331	constant_power_A_reac	1121.36	0.0	560.68	0.0
load	N_1800068331	constant_power_B_reac	1121.36	0.0	560.68	0.0
load	N_1800069932	constant_power_A	70493.0	43687.7	35246.5	21843.85
load	N_1800069932	constant_power_B	70493.0	43687.7	35246.5	21843.85
load	N_1800069932	constant_power_C	70493.0	43687.7	35246.5	21843.85
load	N_1800069932	constant_power_A_real	70493.0	0.0	35246.5	0.0
load	N_1800069932	constant_power_B_real	70493.0	0.0	35246.5	0.0
load	N_1800069932	constant_power_C_real	70493.0	0.0	35246.5	0.0
load	N_1800069932	constant_power_A_reac	43687.7	0.0	21843.85	0.0
load	N_1800069932	constant_power_B_reac	43687.7	0.0	21843.85	0.0
load	N_1800069932	constant_power_C_reac	43687.7	0.0	21843.85	0.0
load	N_1800071200	constant_power_A	1796.08	590.342	898.04	295.171
load	N_1800071200	constant_power_A_real	1796.08	0.0	898.04	0.0
load	N_1800071200	constant_power_A_reac	590.342	0.0	295.171	0.0
load	N_1800033240	constant_power_A	770.376	253.21	385.188	126.605
load	N_1800033240	constant_power_B	770.376	253.21	385.188	126.605
load	N_1800033240	constant_power_A_real	770.376	0.0	385.188	0.0
load	N_1800033240	constant_power_B_real	770.376	0.0	385.188	0.0
load	N_1800033240	constant_power_A_reac	253.21	0.0	126.605	0.0
load	N_1800033240	constant_power_B_reac	253.21	0.0	126.605	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800044442	constant_power_A	4362.53	1433.89	2181.265	716.945
load	N_1800044442	constant_power_B	4362.53	1433.89	2181.265	716.945
load	N_1800044442	constant_power_A_real	4362.53	0.0	2181.265	0.0
load	N_1800044442	constant_power_B_real	4362.53	0.0	2181.265	0.0
load	N_1800044442	constant_power_A_reac	1433.89	0.0	716.945	0.0
load	N_1800044442	constant_power_B_reac	1433.89	0.0	716.945	0.0
load	N_1800044443	constant_power_A	7162.29	2354.13	3581.145	1177.065
load	N_1800044443	constant_power_B	7162.29	2354.13	3581.145	1177.065
load	N_1800044443	constant_power_A_real	7162.29	0.0	3581.145	0.0
load	N_1800044443	constant_power_B_real	7162.29	0.0	3581.145	0.0
load	N_1800044443	constant_power_A_reac	2354.13	0.0	1177.065	0.0
load	N_1800044443	constant_power_B_reac	2354.13	0.0	1177.065	0.0
load	N_1800044440	constant_power_A	5132.9	1687.1	2566.45	843.55
load	N_1800044440	constant_power_B	5132.9	1687.1	2566.45	843.55
load	N_1800044440	constant_power_A_real	5132.9	0.0	2566.45	0.0
load	N_1800044440	constant_power_B_real	5132.9	0.0	2566.45	0.0
load	N_1800044440	constant_power_A_reac	1687.1	0.0	843.55	0.0
load	N_1800044440	constant_power_B_reac	1687.1	0.0	843.55	0.0
load	N_1800044441	constant_power_A	1316.24	432.628	658.12	216.314
load	N_1800044441	constant_power_B	1316.24	432.628	658.12	216.314
load	N_1800044441	constant_power_A_real	1316.24	0.0	658.12	0.0
load	N_1800044441	constant_power_B_real	1316.24	0.0	658.12	0.0
load	N_1800044441	constant_power_A_reac	432.628	0.0	216.314	0.0
load	N_1800044441	constant_power_B_reac	432.628	0.0	216.314	0.0
load	N_1800067762	constant_power_A	4010.36	2226.57	2005.18	1113.285
load	N_1800067762	constant_power_B	4010.36	2226.57	2005.18	1113.285
load	N_1800067762	constant_power_A_real	4010.36	0.0	2005.18	0.0
load	N_1800067762	constant_power_B_real	4010.36	0.0	2005.18	0.0
load	N_1800067762	constant_power_A_reac	2226.57	0.0	1113.285	0.0
load	N_1800067762	constant_power_B_reac	2226.57	0.0	1113.285	0.0
load	N_1800010665	constant_power_A	3046.28	1001.27	1523.14	500.635
load	N_1800010665	constant_power_A_real	3046.28	0.0	1523.14	0.0
load	N_1800010665	constant_power_A_reac	1001.27	0.0	500.635	0.0
load	N_1800072950	constant_power_A	833.473	516.54	416.7365	258.27
load	N_1800072950	constant_power_B	833.473	516.54	416.7365	258.27
load	N_1800072950	constant_power_C	833.473	516.54	416.7365	258.27
load	N_1800072950	constant_power_A_real	833.473	0.0	416.7365	0.0
load	N_1800072950	constant_power_B_real	833.473	0.0	416.7365	0.0
load	N_1800072950	constant_power_C_real	833.473	0.0	416.7365	0.0
load	N_1800072950	constant_power_A_reac	516.54	0.0	258.27	0.0
load	N_1800072950	constant_power_B_reac	516.54	0.0	258.27	0.0
load	N_1800072950	constant_power_C_reac	516.54	0.0	258.27	0.0
load	N_1800072953	constant_power_A	404.997	133.116	202.4985	66.558
load	N_1800072953	constant_power_B	404.997	133.116	202.4985	66.558
load	N_1800072953	constant_power_A_real	404.997	0.0	202.4985	0.0
load	N_1800072953	constant_power_B_real	404.997	0.0	202.4985	0.0
load	N_1800072953	constant_power_A_reac	133.116	0.0	66.558	0.0
load	N_1800072953	constant_power_B_reac	133.116	0.0	66.558	0.0
load	N_1800072952	constant_power_A	61.63	38.1948	30.815	19.0974
load	N_1800072952	constant_power_B	61.63	38.1948	30.815	19.0974
load	N_1800072952	constant_power_A_real	61.63	0.0	30.815	0.0
load	N_1800072952	constant_power_B_real	61.63	0.0	30.815	0.0
load	N_1800072952	constant_power_A_reac	38.1948	0.0	19.0974	0.0
load	N_1800072952	constant_power_B_reac	38.1948	0.0	19.0974	0.0
load	N_1800068532	constant_power_A	827.603	292.521	413.8015	146.2605
load	N_1800068532	constant_power_B	827.603	292.521	413.8015	146.2605
load	N_1800068532	constant_power_C	827.603	292.521	413.8015	146.2605
load	N_1800068532	constant_power_A_real	827.603	0.0	413.8015	0.0
load	N_1800068532	constant_power_B_real	827.603	0.0	413.8015	0.0
load	N_1800068532	constant_power_C_real	827.603	0.0	413.8015	0.0
load	N_1800068532	constant_power_A_reac	292.521	0.0	146.2605	0.0
load	N_1800068532	constant_power_B_reac	292.521	0.0	146.2605	0.0
load	N_1800068532	constant_power_C_reac	292.521	0.0	146.2605	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068533	constant_power_A	856.951	281.666	428.4755	140.833
load	N_1800068533	constant_power_B	856.951	281.666	428.4755	140.833
load	N_1800068533	constant_power_C	856.951	281.666	428.4755	140.833
load	N_1800068533	constant_power_A_real	856.951	0.0	428.4755	0.0
load	N_1800068533	constant_power_B_real	856.951	0.0	428.4755	0.0
load	N_1800068533	constant_power_C_real	856.951	0.0	428.4755	0.0
load	N_1800068533	constant_power_A_reac	281.666	0.0	140.833	0.0
load	N_1800068533	constant_power_B_reac	281.666	0.0	140.833	0.0
load	N_1800068533	constant_power_C_reac	281.666	0.0	140.833	0.0
load	N_1800068282	constant_power_A	854.016	280.701	427.008	140.3505
load	N_1800068282	constant_power_B	854.016	280.701	427.008	140.3505
load	N_1800068282	constant_power_A_real	854.016	0.0	427.008	0.0
load	N_1800068282	constant_power_B_real	854.016	0.0	427.008	0.0
load	N_1800068282	constant_power_A_reac	280.701	0.0	140.3505	0.0
load	N_1800068282	constant_power_B_reac	280.701	0.0	140.3505	0.0
load	N_1800189753	constant_power_A	5599.53	1840.48	2799.765	920.24
load	N_1800189753	constant_power_B	5599.53	1840.48	2799.765	920.24
load	N_1800189753	constant_power_A_real	5599.53	0.0	2799.765	0.0
load	N_1800189753	constant_power_B_real	5599.53	0.0	2799.765	0.0
load	N_1800189753	constant_power_A_reac	1840.48	0.0	920.24	0.0
load	N_1800189753	constant_power_B_reac	1840.48	0.0	920.24	0.0
load	N_1800068280	constant_power_A	1426.3	468.8	713.15	234.4
load	N_1800068280	constant_power_B	1426.3	468.8	713.15	234.4
load	N_1800068280	constant_power_A_real	1426.3	0.0	713.15	0.0
load	N_1800068280	constant_power_B_real	1426.3	0.0	713.15	0.0
load	N_1800068280	constant_power_A_reac	468.8	0.0	234.4	0.0
load	N_1800068280	constant_power_B_reac	468.8	0.0	234.4	0.0
load	N_1800068281	constant_power_A	928.853	305.299	464.4265	152.6495
load	N_1800068281	constant_power_B	928.853	305.299	464.4265	152.6495
load	N_1800068281	constant_power_A_real	928.853	0.0	464.4265	0.0
load	N_1800068281	constant_power_B_real	928.853	0.0	464.4265	0.0
load	N_1800068281	constant_power_A_reac	305.299	0.0	152.6495	0.0
load	N_1800068281	constant_power_B_reac	305.299	0.0	152.6495	0.0
load	N_1800019417	constant_power_A	818.799	269.126	409.3995	134.563
load	N_1800019417	constant_power_B	818.799	269.126	409.3995	134.563
load	N_1800019417	constant_power_C	818.799	269.126	409.3995	134.563
load	N_1800019417	constant_power_A_real	818.799	0.0	409.3995	0.0
load	N_1800019417	constant_power_B_real	818.799	0.0	409.3995	0.0
load	N_1800019417	constant_power_C_real	818.799	0.0	409.3995	0.0
load	N_1800019417	constant_power_A_reac	269.126	0.0	134.563	0.0
load	N_1800019417	constant_power_B_reac	269.126	0.0	134.563	0.0
load	N_1800019417	constant_power_C_reac	269.126	0.0	134.563	0.0
load	N_1800068287	constant_power_A	1413.09	464.46	706.545	232.23
load	N_1800068287	constant_power_B	1413.09	464.46	706.545	232.23
load	N_1800068287	constant_power_A_real	1413.09	0.0	706.545	0.0
load	N_1800068287	constant_power_B_real	1413.09	0.0	706.545	0.0
load	N_1800068287	constant_power_A_reac	464.46	0.0	232.23	0.0
load	N_1800068287	constant_power_B_reac	464.46	0.0	232.23	0.0
load	N_1800068284	constant_power_A	1030.1	338.578	515.05	169.289
load	N_1800068284	constant_power_B	1030.1	338.578	515.05	169.289
load	N_1800068284	constant_power_A_real	1030.1	0.0	515.05	0.0
load	N_1800068284	constant_power_B_real	1030.1	0.0	515.05	0.0
load	N_1800068284	constant_power_A_reac	338.578	0.0	169.289	0.0
load	N_1800068284	constant_power_B_reac	338.578	0.0	169.289	0.0
load	N_1800068285	constant_power_A	1074.12	353.047	537.06	176.5235
load	N_1800068285	constant_power_B	1074.12	353.047	537.06	176.5235
load	N_1800068285	constant_power_A_real	1074.12	0.0	537.06	0.0
load	N_1800068285	constant_power_B_real	1074.12	0.0	537.06	0.0
load	N_1800068285	constant_power_A_reac	353.047	0.0	176.5235	0.0
load	N_1800068285	constant_power_B_reac	353.047	0.0	176.5235	0.0
load	N_1800068298	constant_power_A	2328.74	765.418	1164.37	382.709
load	N_1800068298	constant_power_B	2328.74	765.418	1164.37	382.709
load	N_1800068298	constant_power_A_real	2328.74	0.0	1164.37	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068298	constant_power_B_real	2328.74	0.0	1164.37	0.0
load	N_1800068298	constant_power_A_reac	765.418	0.0	382.709	0.0
load	N_1800068298	constant_power_B_reac	765.418	0.0	382.709	0.0
load	N_1800069127	constant_power_A	1989.77	654.006	994.885	327.003
load	N_1800069127	constant_power_B	1989.77	654.006	994.885	327.003
load	N_1800069127	constant_power_A_real	1989.77	0.0	994.885	0.0
load	N_1800069127	constant_power_B_real	1989.77	0.0	994.885	0.0
load	N_1800069127	constant_power_A_reac	654.006	0.0	327.003	0.0
load	N_1800069127	constant_power_B_reac	654.006	0.0	327.003	0.0
load	N_1800067423	constant_power_A	603.094	373.764	301.547	186.882
load	N_1800067423	constant_power_B	603.094	373.764	301.547	186.882
load	N_1800067423	constant_power_A_real	603.094	0.0	301.547	0.0
load	N_1800067423	constant_power_B_real	603.094	0.0	301.547	0.0
load	N_1800067423	constant_power_A_reac	373.764	0.0	186.882	0.0
load	N_1800067423	constant_power_B_reac	373.764	0.0	186.882	0.0
load	N_1800067422	constant_power_A	3913.51	2425.37	1956.755	1212.685
load	N_1800067422	constant_power_B	3913.51	2425.37	1956.755	1212.685
load	N_1800067422	constant_power_A_real	3913.51	0.0	1956.755	0.0
load	N_1800067422	constant_power_B_real	3913.51	0.0	1956.755	0.0
load	N_1800067422	constant_power_A_reac	2425.37	0.0	1212.685	0.0
load	N_1800067422	constant_power_B_reac	2425.37	0.0	1212.685	0.0
load	N_1800018321	constant_power_A	262000.0	162373.0	131000.0	81186.5
load	N_1800018321	constant_power_B	262000.0	162373.0	131000.0	81186.5
load	N_1800018321	constant_power_C	262000.0	162373.0	131000.0	81186.5
load	N_1800018321	constant_power_A_real	262000.0	0.0	131000.0	0.0
load	N_1800018321	constant_power_B_real	262000.0	0.0	131000.0	0.0
load	N_1800018321	constant_power_C_real	262000.0	0.0	131000.0	0.0
load	N_1800018321	constant_power_A_reac	162373.0	0.0	81186.5	0.0
load	N_1800018321	constant_power_B_reac	162373.0	0.0	81186.5	0.0
load	N_1800018321	constant_power_C_reac	162373.0	0.0	81186.5	0.0
load	N_1800067426	constant_power_A	83.641	27.4915	41.8205	13.74575
load	N_1800067426	constant_power_B	83.641	27.4915	41.8205	13.74575
load	N_1800067426	constant_power_A_real	83.641	0.0	41.8205	0.0
load	N_1800067426	constant_power_B_real	83.641	0.0	41.8205	0.0
load	N_1800067426	constant_power_A_reac	27.4915	0.0	13.74575	0.0
load	N_1800067426	constant_power_B_reac	27.4915	0.0	13.74575	0.0
load	N_1800034858	constant_power_A	205.433	127.316	102.7165	63.658
load	N_1800034858	constant_power_B	205.433	127.316	102.7165	63.658
load	N_1800034858	constant_power_C	205.433	127.316	102.7165	63.658
load	N_1800034858	constant_power_A_real	205.433	0.0	102.7165	0.0
load	N_1800034858	constant_power_B_real	205.433	0.0	102.7165	0.0
load	N_1800034858	constant_power_C_real	205.433	0.0	102.7165	0.0
load	N_1800034858	constant_power_A_reac	127.316	0.0	63.658	0.0
load	N_1800034858	constant_power_B_reac	127.316	0.0	63.658	0.0
load	N_1800034858	constant_power_C_reac	127.316	0.0	63.658	0.0
load	N_1800068247	constant_power_A	871.625	286.489	435.8125	143.2445
load	N_1800068247	constant_power_B	871.625	286.489	435.8125	143.2445
load	N_1800068247	constant_power_A_real	871.625	0.0	435.8125	0.0
load	N_1800068247	constant_power_B_real	871.625	0.0	435.8125	0.0
load	N_1800068247	constant_power_A_reac	286.489	0.0	143.2445	0.0
load	N_1800068247	constant_power_B_reac	286.489	0.0	143.2445	0.0
load	N_1800034852	constant_power_A	5300.18	3055.41	2650.09	1527.705
load	N_1800034852	constant_power_B	5300.18	3055.41	2650.09	1527.705
load	N_1800034852	constant_power_A_real	5300.18	0.0	2650.09	0.0
load	N_1800034852	constant_power_B_real	5300.18	0.0	2650.09	0.0
load	N_1800034852	constant_power_A_reac	3055.41	0.0	1527.705	0.0
load	N_1800034852	constant_power_B_reac	3055.41	0.0	1527.705	0.0
load	N_1800034850	constant_power_A	360.976	122.064	180.488	61.032
load	N_1800034850	constant_power_B	360.976	122.064	180.488	61.032
load	N_1800034850	constant_power_C	360.976	122.064	180.488	61.032
load	N_1800034850	constant_power_A_real	360.976	0.0	180.488	0.0
load	N_1800034850	constant_power_B_real	360.976	0.0	180.488	0.0
load	N_1800034850	constant_power_C_real	360.976	0.0	180.488	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034850	constant_power_A_reac	122.064	0.0	61.032	0.0
load	N_1800034850	constant_power_B_reac	122.064	0.0	61.032	0.0
load	N_1800034850	constant_power_C_reac	122.064	0.0	61.032	0.0
load	N_1800034856	constant_power_A	5578.99	2956.13	2789.495	1478.065
load	N_1800034856	constant_power_B	5578.99	2956.13	2789.495	1478.065
load	N_1800034856	constant_power_C	5578.99	2956.13	2789.495	1478.065
load	N_1800034856	constant_power_A_real	5578.99	0.0	2789.495	0.0
load	N_1800034856	constant_power_B_real	5578.99	0.0	2789.495	0.0
load	N_1800034856	constant_power_C_real	5578.99	0.0	2789.495	0.0
load	N_1800034856	constant_power_A_reac	2956.13	0.0	1478.065	0.0
load	N_1800034856	constant_power_B_reac	2956.13	0.0	1478.065	0.0
load	N_1800034856	constant_power_C_reac	2956.13	0.0	1478.065	0.0
load	N_1800008509	constant_power_A	205.433	127.316	102.7165	63.658
load	N_1800008509	constant_power_B	205.433	127.316	102.7165	63.658
load	N_1800008509	constant_power_C	205.433	127.316	102.7165	63.658
load	N_1800008509	constant_power_A_real	205.433	0.0	102.7165	0.0
load	N_1800008509	constant_power_B_real	205.433	0.0	102.7165	0.0
load	N_1800008509	constant_power_C_real	205.433	0.0	102.7165	0.0
load	N_1800008509	constant_power_A_reac	127.316	0.0	63.658	0.0
load	N_1800008509	constant_power_B_reac	127.316	0.0	63.658	0.0
load	N_1800008509	constant_power_C_reac	127.316	0.0	63.658	0.0
load	N_1800008508	constant_power_A	278.802	172.786	139.401	86.393
load	N_1800008508	constant_power_B	278.802	172.786	139.401	86.393
load	N_1800008508	constant_power_C	278.802	172.786	139.401	86.393
load	N_1800008508	constant_power_A_real	278.802	0.0	139.401	0.0
load	N_1800008508	constant_power_B_real	278.802	0.0	139.401	0.0
load	N_1800008508	constant_power_C_real	278.802	0.0	139.401	0.0
load	N_1800008508	constant_power_A_reac	172.786	0.0	86.393	0.0
load	N_1800008508	constant_power_B_reac	172.786	0.0	86.393	0.0
load	N_1800008508	constant_power_C_reac	172.786	0.0	86.393	0.0
load	N_1800010476	constant_power_A	3904.7	2419.92	1952.35	1209.96
load	N_1800010476	constant_power_B	3904.7	2419.92	1952.35	1209.96
load	N_1800010476	constant_power_A_real	3904.7	0.0	1952.35	0.0
load	N_1800010476	constant_power_B_real	3904.7	0.0	1952.35	0.0
load	N_1800010476	constant_power_A_reac	2419.92	0.0	1209.96	0.0
load	N_1800010476	constant_power_B_reac	2419.92	0.0	1209.96	0.0
load	N_1800027008	constant_power_A	2372.76	779.888	1186.38	389.944
load	N_1800027008	constant_power_B	2372.76	779.888	1186.38	389.944
load	N_1800027008	constant_power_A_real	2372.76	0.0	1186.38	0.0
load	N_1800027008	constant_power_B_real	2372.76	0.0	1186.38	0.0
load	N_1800027008	constant_power_A_reac	779.888	0.0	389.944	0.0
load	N_1800027008	constant_power_B_reac	779.888	0.0	389.944	0.0
load	N_1800008500	constant_power_A	413.802	136.01	206.901	68.005
load	N_1800008500	constant_power_B	413.802	136.01	206.901	68.005
load	N_1800008500	constant_power_C	413.802	136.01	206.901	68.005
load	N_1800008500	constant_power_A_real	413.802	0.0	206.901	0.0
load	N_1800008500	constant_power_B_real	413.802	0.0	206.901	0.0
load	N_1800008500	constant_power_C_real	413.802	0.0	206.901	0.0
load	N_1800008500	constant_power_A_reac	136.01	0.0	68.005	0.0
load	N_1800008500	constant_power_B_reac	136.01	0.0	68.005	0.0
load	N_1800008500	constant_power_C_reac	136.01	0.0	68.005	0.0
load	N_1800067393	constant_power_A	471.03	154.82	235.515	77.41
load	N_1800067393	constant_power_B	471.03	154.82	235.515	77.41
load	N_1800067393	constant_power_A_real	471.03	0.0	235.515	0.0
load	N_1800067393	constant_power_B_real	471.03	0.0	235.515	0.0
load	N_1800067393	constant_power_A_reac	154.82	0.0	77.41	0.0
load	N_1800067393	constant_power_B_reac	154.82	0.0	77.41	0.0
load	N_1800067394	constant_power_A	1408.69	463.013	704.345	231.5065
load	N_1800067394	constant_power_B	1408.69	463.013	704.345	231.5065
load	N_1800067394	constant_power_A_real	1408.69	0.0	704.345	0.0
load	N_1800067394	constant_power_B_real	1408.69	0.0	704.345	0.0
load	N_1800067394	constant_power_A_reac	463.013	0.0	231.5065	0.0
load	N_1800067394	constant_power_B_reac	463.013	0.0	231.5065	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067399	constant_power_A	1015.43	385.861	507.715	192.9305
load	N_1800067399	constant_power_B	1015.43	385.861	507.715	192.9305
load	N_1800067399	constant_power_C	1015.43	385.861	507.715	192.9305
load	N_1800067399	constant_power_A_real	1015.43	0.0	507.715	0.0
load	N_1800067399	constant_power_B_real	1015.43	0.0	507.715	0.0
load	N_1800067399	constant_power_C_real	1015.43	0.0	507.715	0.0
load	N_1800067399	constant_power_A_reac	385.861	0.0	192.9305	0.0
load	N_1800067399	constant_power_B_reac	385.861	0.0	192.9305	0.0
load	N_1800067399	constant_power_C_reac	385.861	0.0	192.9305	0.0
load	N_1800073082	constant_power_A	946.461	311.087	473.2305	155.5435
load	N_1800073082	constant_power_B	946.461	311.087	473.2305	155.5435
load	N_1800073082	constant_power_A_real	946.461	0.0	473.2305	0.0
load	N_1800073082	constant_power_B_real	946.461	0.0	473.2305	0.0
load	N_1800073082	constant_power_A_reac	311.087	0.0	155.5435	0.0
load	N_1800073082	constant_power_B_reac	311.087	0.0	155.5435	0.0
load	N_1800067556	constant_power_A	1153.36	379.092	576.68	189.546
load	N_1800067556	constant_power_B	1153.36	379.092	576.68	189.546
load	N_1800067556	constant_power_A_real	1153.36	0.0	576.68	0.0
load	N_1800067556	constant_power_B_real	1153.36	0.0	576.68	0.0
load	N_1800067556	constant_power_A_reac	379.092	0.0	189.546	0.0
load	N_1800067556	constant_power_B_reac	379.092	0.0	189.546	0.0
load	N_1800040574	constant_power_A	2606.07	856.574	1303.035	428.287
load	N_1800040574	constant_power_B	2606.07	856.574	1303.035	428.287
load	N_1800040574	constant_power_A_real	2606.07	0.0	1303.035	0.0
load	N_1800040574	constant_power_B_real	2606.07	0.0	1303.035	0.0
load	N_1800040574	constant_power_A_reac	856.574	0.0	428.287	0.0
load	N_1800040574	constant_power_B_reac	856.574	0.0	428.287	0.0
load	N_1800067554	constant_power_A	2403.57	790.016	1201.785	395.008
load	N_1800067554	constant_power_B	2403.57	790.016	1201.785	395.008
load	N_1800067554	constant_power_A_real	2403.57	0.0	1201.785	0.0
load	N_1800067554	constant_power_B_real	2403.57	0.0	1201.785	0.0
load	N_1800067554	constant_power_A_reac	790.016	0.0	395.008	0.0
load	N_1800067554	constant_power_B_reac	790.016	0.0	395.008	0.0
load	N_1800067553	constant_power_A	898.038	295.171	449.019	147.5855
load	N_1800067553	constant_power_B	898.038	295.171	449.019	147.5855
load	N_1800067553	constant_power_A_real	898.038	0.0	449.019	0.0
load	N_1800067553	constant_power_B_real	898.038	0.0	449.019	0.0
load	N_1800067553	constant_power_A_reac	295.171	0.0	147.5855	0.0
load	N_1800067553	constant_power_B_reac	295.171	0.0	147.5855	0.0
load	N_1800020116	constant_power_A	3693.4	2288.96	1846.7	1144.48
load	N_1800020116	constant_power_B	3693.4	2288.96	1846.7	1144.48
load	N_1800020116	constant_power_A_real	3693.4	0.0	1846.7	0.0
load	N_1800020116	constant_power_B_real	3693.4	0.0	1846.7	0.0
load	N_1800020116	constant_power_A_reac	2288.96	0.0	1144.48	0.0
load	N_1800020116	constant_power_B_reac	2288.96	0.0	1144.48	0.0
load	N_1800037501	constant_power_A	1904.66	1180.4	952.33	590.2
load	N_1800037501	constant_power_B	1904.66	1180.4	952.33	590.2
load	N_1800037501	constant_power_C	1904.66	1180.4	952.33	590.2
load	N_1800037501	constant_power_A_real	1904.66	0.0	952.33	0.0
load	N_1800037501	constant_power_B_real	1904.66	0.0	952.33	0.0
load	N_1800037501	constant_power_C_real	1904.66	0.0	952.33	0.0
load	N_1800037501	constant_power_A_reac	1180.4	0.0	590.2	0.0
load	N_1800037501	constant_power_B_reac	1180.4	0.0	590.2	0.0
load	N_1800037501	constant_power_C_reac	1180.4	0.0	590.2	0.0
load	N_1800037502	constant_power_A	648.583	213.179	324.2915	106.5895
load	N_1800037502	constant_power_B	648.583	213.179	324.2915	106.5895
load	N_1800037502	constant_power_C	648.583	213.179	324.2915	106.5895
load	N_1800037502	constant_power_A_real	648.583	0.0	324.2915	0.0
load	N_1800037502	constant_power_B_real	648.583	0.0	324.2915	0.0
load	N_1800037502	constant_power_C_real	648.583	0.0	324.2915	0.0
load	N_1800037502	constant_power_A_reac	213.179	0.0	106.5895	0.0
load	N_1800037502	constant_power_B_reac	213.179	0.0	106.5895	0.0
load	N_1800037502	constant_power_C_reac	213.179	0.0	106.5895	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800061735	constant_power_A	1179.78	486.433	589.89	243.2165
load	N_1800061735	constant_power_B	1179.78	486.433	589.89	243.2165
load	N_1800061735	constant_power_A_real	1179.78	0.0	589.89	0.0
load	N_1800061735	constant_power_B_real	1179.78	0.0	589.89	0.0
load	N_1800061735	constant_power_A_reac	486.433	0.0	243.2165	0.0
load	N_1800061735	constant_power_B_reac	486.433	0.0	243.2165	0.0
load	N_1800061737	constant_power_A	598.692	196.781	299.346	98.3905
load	N_1800061737	constant_power_B	598.692	196.781	299.346	98.3905
load	N_1800061737	constant_power_C	598.692	196.781	299.346	98.3905
load	N_1800061737	constant_power_A_real	598.692	0.0	299.346	0.0
load	N_1800061737	constant_power_B_real	598.692	0.0	299.346	0.0
load	N_1800061737	constant_power_C_real	598.692	0.0	299.346	0.0
load	N_1800061737	constant_power_A_reac	196.781	0.0	98.3905	0.0
load	N_1800061737	constant_power_B_reac	196.781	0.0	98.3905	0.0
load	N_1800061737	constant_power_C_reac	196.781	0.0	98.3905	0.0
load	N_1800061736	constant_power_A	7671.47	4754.35	3835.735	2377.175
load	N_1800061736	constant_power_B	7671.47	4754.35	3835.735	2377.175
load	N_1800061736	constant_power_C	7671.47	4754.35	3835.735	2377.175
load	N_1800061736	constant_power_A_real	7671.47	0.0	3835.735	0.0
load	N_1800061736	constant_power_B_real	7671.47	0.0	3835.735	0.0
load	N_1800061736	constant_power_C_real	7671.47	0.0	3835.735	0.0
load	N_1800061736	constant_power_A_reac	4754.35	0.0	2377.175	0.0
load	N_1800061736	constant_power_B_reac	4754.35	0.0	2377.175	0.0
load	N_1800061736	constant_power_C_reac	4754.35	0.0	2377.175	0.0
load	N_1800061731	constant_power_A	1549.56	960.328	774.78	480.164
load	N_1800061731	constant_power_B	1549.56	960.328	774.78	480.164
load	N_1800061731	constant_power_C	1549.56	960.328	774.78	480.164
load	N_1800061731	constant_power_A_real	1549.56	0.0	774.78	0.0
load	N_1800061731	constant_power_B_real	1549.56	0.0	774.78	0.0
load	N_1800061731	constant_power_C_real	1549.56	0.0	774.78	0.0
load	N_1800061731	constant_power_A_reac	960.328	0.0	480.164	0.0
load	N_1800061731	constant_power_B_reac	960.328	0.0	480.164	0.0
load	N_1800061731	constant_power_C_reac	960.328	0.0	480.164	0.0
load	N_1800020915	constant_power_A	325.759	107.072	162.8795	53.536
load	N_1800020915	constant_power_B	325.759	107.072	162.8795	53.536
load	N_1800020915	constant_power_A_real	325.759	0.0	162.8795	0.0
load	N_1800020915	constant_power_B_real	325.759	0.0	162.8795	0.0
load	N_1800020915	constant_power_A_reac	107.072	0.0	53.536	0.0
load	N_1800020915	constant_power_B_reac	107.072	0.0	53.536	0.0
load	N_1800061738	constant_power_A	1499.66	492.916	749.83	246.458
load	N_1800061738	constant_power_B	1499.66	492.916	749.83	246.458
load	N_1800061738	constant_power_C	1499.66	492.916	749.83	246.458
load	N_1800061738	constant_power_A_real	1499.66	0.0	749.83	0.0
load	N_1800061738	constant_power_B_real	1499.66	0.0	749.83	0.0
load	N_1800061738	constant_power_C_real	1499.66	0.0	749.83	0.0
load	N_1800061738	constant_power_A_reac	492.916	0.0	246.458	0.0
load	N_1800061738	constant_power_B_reac	492.916	0.0	246.458	0.0
load	N_1800061738	constant_power_C_reac	492.916	0.0	246.458	0.0
load	N_1800069086	constant_power_A	5713.99	3301.18	2856.995	1650.59
load	N_1800069086	constant_power_B	5713.99	3301.18	2856.995	1650.59
load	N_1800069086	constant_power_C	5713.99	3301.18	2856.995	1650.59
load	N_1800069086	constant_power_A_real	5713.99	0.0	2856.995	0.0
load	N_1800069086	constant_power_B_real	5713.99	0.0	2856.995	0.0
load	N_1800069086	constant_power_C_real	5713.99	0.0	2856.995	0.0
load	N_1800069086	constant_power_A_reac	3301.18	0.0	1650.59	0.0
load	N_1800069086	constant_power_B_reac	3301.18	0.0	1650.59	0.0
load	N_1800069086	constant_power_C_reac	3301.18	0.0	1650.59	0.0
load	N_1800071961	constant_power_A	1831.29	601.917	915.645	300.9585
load	N_1800071961	constant_power_B	1831.29	601.917	915.645	300.9585
load	N_1800071961	constant_power_A_real	1831.29	0.0	915.645	0.0
load	N_1800071961	constant_power_B_real	1831.29	0.0	915.645	0.0
load	N_1800071961	constant_power_A_reac	601.917	0.0	300.9585	0.0
load	N_1800071961	constant_power_B_reac	601.917	0.0	300.9585	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071960	constant_power_A	6493.16	2786.38	3246.58	1393.19
load	N_1800071960	constant_power_B	6493.16	2786.38	3246.58	1393.19
load	N_1800071960	constant_power_A_real	6493.16	0.0	3246.58	0.0
load	N_1800071960	constant_power_B_real	6493.16	0.0	3246.58	0.0
load	N_1800071960	constant_power_A_reac	2786.38	0.0	1393.19	0.0
load	N_1800071960	constant_power_B_reac	2786.38	0.0	1393.19	0.0
load	N_1800071963	constant_power_A	719.017	445.607	359.5085	222.8035
load	N_1800071963	constant_power_B	719.017	445.607	359.5085	222.8035
load	N_1800071963	constant_power_C	719.017	445.607	359.5085	222.8035
load	N_1800071963	constant_power_A_real	719.017	0.0	359.5085	0.0
load	N_1800071963	constant_power_B_real	719.017	0.0	359.5085	0.0
load	N_1800071963	constant_power_C_real	719.017	0.0	359.5085	0.0
load	N_1800071963	constant_power_A_reac	445.607	0.0	222.8035	0.0
load	N_1800071963	constant_power_B_reac	445.607	0.0	222.8035	0.0
load	N_1800071963	constant_power_C_reac	445.607	0.0	222.8035	0.0
load	N_1800071962	constant_power_A	431.41	141.798	215.705	70.899
load	N_1800071962	constant_power_B	431.41	141.798	215.705	70.899
load	N_1800071962	constant_power_C	431.41	141.798	215.705	70.899
load	N_1800071962	constant_power_A_real	431.41	0.0	215.705	0.0
load	N_1800071962	constant_power_B_real	431.41	0.0	215.705	0.0
load	N_1800071962	constant_power_C_real	431.41	0.0	215.705	0.0
load	N_1800071962	constant_power_A_reac	141.798	0.0	70.899	0.0
load	N_1800071962	constant_power_B_reac	141.798	0.0	70.899	0.0
load	N_1800071962	constant_power_C_reac	141.798	0.0	70.899	0.0
load	N_1800195737	constant_power_A	1314.77	814.824	657.385	407.412
load	N_1800195737	constant_power_B	1314.77	814.824	657.385	407.412
load	N_1800195737	constant_power_C	1314.77	814.824	657.385	407.412
load	N_1800195737	constant_power_A_real	1314.77	0.0	657.385	0.0
load	N_1800195737	constant_power_B_real	1314.77	0.0	657.385	0.0
load	N_1800195737	constant_power_C_real	1314.77	0.0	657.385	0.0
load	N_1800195737	constant_power_A_reac	814.824	0.0	407.412	0.0
load	N_1800195737	constant_power_B_reac	814.824	0.0	407.412	0.0
load	N_1800195737	constant_power_C_reac	814.824	0.0	407.412	0.0
load	N_1800073863	constant_power_A	1044.78	647.494	522.39	323.747
load	N_1800073863	constant_power_B	1044.78	647.494	522.39	323.747
load	N_1800073863	constant_power_C	1044.78	647.494	522.39	323.747
load	N_1800073863	constant_power_A_real	1044.78	0.0	522.39	0.0
load	N_1800073863	constant_power_B_real	1044.78	0.0	522.39	0.0
load	N_1800073863	constant_power_C_real	1044.78	0.0	522.39	0.0
load	N_1800073863	constant_power_A_reac	647.494	0.0	323.747	0.0
load	N_1800073863	constant_power_B_reac	647.494	0.0	323.747	0.0
load	N_1800073863	constant_power_C_reac	647.494	0.0	323.747	0.0
load	N_1800035927	constant_power_A	765.973	474.707	382.9865	237.3535
load	N_1800035927	constant_power_B	765.973	474.707	382.9865	237.3535
load	N_1800035927	constant_power_A_real	765.973	0.0	382.9865	0.0
load	N_1800035927	constant_power_B_real	765.973	0.0	382.9865	0.0
load	N_1800035927	constant_power_A_reac	474.707	0.0	237.3535	0.0
load	N_1800035927	constant_power_B_reac	474.707	0.0	237.3535	0.0
load	N_1800070363	constant_power_A	1652.27	543.076	826.135	271.538
load	N_1800070363	constant_power_B	1652.27	543.076	826.135	271.538
load	N_1800070363	constant_power_C	1652.27	543.076	826.135	271.538
load	N_1800070363	constant_power_A_real	1652.27	0.0	826.135	0.0
load	N_1800070363	constant_power_B_real	1652.27	0.0	826.135	0.0
load	N_1800070363	constant_power_C_real	1652.27	0.0	826.135	0.0
load	N_1800070363	constant_power_A_reac	543.076	0.0	271.538	0.0
load	N_1800070363	constant_power_B_reac	543.076	0.0	271.538	0.0
load	N_1800070363	constant_power_C_reac	543.076	0.0	271.538	0.0
load	N_1800194674	constant_power_A	3348.57	1858.29	1674.285	929.145
load	N_1800194674	constant_power_B	3348.57	1858.29	1674.285	929.145
load	N_1800194674	constant_power_C	3348.57	1858.29	1674.285	929.145
load	N_1800194674	constant_power_A_real	3348.57	0.0	1674.285	0.0
load	N_1800194674	constant_power_B_real	3348.57	0.0	1674.285	0.0
load	N_1800194674	constant_power_C_real	3348.57	0.0	1674.285	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800194674	constant_power_A_reac	1858.29	0.0	929.145	0.0
load	N_1800194674	constant_power_B_reac	1858.29	0.0	929.145	0.0
load	N_1800194674	constant_power_C_reac	1858.29	0.0	929.145	0.0
load	N_1800032054	constant_power_A	10298.1	6382.18	5149.05	3191.09
load	N_1800032054	constant_power_B	10298.1	6382.18	5149.05	3191.09
load	N_1800032054	constant_power_C	10298.1	6382.18	5149.05	3191.09
load	N_1800032054	constant_power_A_real	10298.1	0.0	5149.05	0.0
load	N_1800032054	constant_power_B_real	10298.1	0.0	5149.05	0.0
load	N_1800032054	constant_power_C_real	10298.1	0.0	5149.05	0.0
load	N_1800032054	constant_power_A_reac	6382.18	0.0	3191.09	0.0
load	N_1800032054	constant_power_B_reac	6382.18	0.0	3191.09	0.0
load	N_1800032054	constant_power_C_reac	6382.18	0.0	3191.09	0.0
load	N_1800035928	constant_power_A	41578.9	25308.7	20789.45	12654.35
load	N_1800035928	constant_power_B	41578.9	25308.7	20789.45	12654.35
load	N_1800035928	constant_power_C	41578.9	25308.7	20789.45	12654.35
load	N_1800035928	constant_power_A_real	41578.9	0.0	20789.45	0.0
load	N_1800035928	constant_power_B_real	41578.9	0.0	20789.45	0.0
load	N_1800035928	constant_power_C_real	41578.9	0.0	20789.45	0.0
load	N_1800035928	constant_power_A_reac	25308.7	0.0	12654.35	0.0
load	N_1800035928	constant_power_B_reac	25308.7	0.0	12654.35	0.0
load	N_1800035928	constant_power_C_reac	25308.7	0.0	12654.35	0.0
load	N_1800032056	constant_power_A	622.17	204.497	311.085	102.2485
load	N_1800032056	constant_power_B	622.17	204.497	311.085	102.2485
load	N_1800032056	constant_power_C	622.17	204.497	311.085	102.2485
load	N_1800032056	constant_power_A_real	622.17	0.0	311.085	0.0
load	N_1800032056	constant_power_B_real	622.17	0.0	311.085	0.0
load	N_1800032056	constant_power_C_real	622.17	0.0	311.085	0.0
load	N_1800032056	constant_power_A_reac	204.497	0.0	102.2485	0.0
load	N_1800032056	constant_power_B_reac	204.497	0.0	102.2485	0.0
load	N_1800032056	constant_power_C_reac	204.497	0.0	102.2485	0.0
load	N_1800030345	constant_power_A	1052.11	345.813	526.055	172.9065
load	N_1800030345	constant_power_B	1052.11	345.813	526.055	172.9065
load	N_1800030345	constant_power_A_real	1052.11	0.0	526.055	0.0
load	N_1800030345	constant_power_B_real	1052.11	0.0	526.055	0.0
load	N_1800030345	constant_power_A_reac	345.813	0.0	172.9065	0.0
load	N_1800030345	constant_power_B_reac	345.813	0.0	172.9065	0.0
load	N_1800038786	constant_power_A	5000.84	1643.7	2500.42	821.85
load	N_1800038786	constant_power_B	5000.84	1643.7	2500.42	821.85
load	N_1800038786	constant_power_A_real	5000.84	0.0	2500.42	0.0
load	N_1800038786	constant_power_B_real	5000.84	0.0	2500.42	0.0
load	N_1800038786	constant_power_A_reac	1643.7	0.0	821.85	0.0
load	N_1800038786	constant_power_B_reac	1643.7	0.0	821.85	0.0
load	N_1800030348	constant_power_A	854.016	280.701	427.008	140.3505
load	N_1800030348	constant_power_B	854.016	280.701	427.008	140.3505
load	N_1800030348	constant_power_A_real	854.016	0.0	427.008	0.0
load	N_1800030348	constant_power_B_real	854.016	0.0	427.008	0.0
load	N_1800030348	constant_power_A_reac	280.701	0.0	140.3505	0.0
load	N_1800030348	constant_power_B_reac	280.701	0.0	140.3505	0.0
load	N_1800035828	constant_power_A	2645.69	869.596	1322.845	434.798
load	N_1800035828	constant_power_B	2645.69	869.596	1322.845	434.798
load	N_1800035828	constant_power_A_real	2645.69	0.0	1322.845	0.0
load	N_1800035828	constant_power_B_real	2645.69	0.0	1322.845	0.0
load	N_1800035828	constant_power_A_reac	869.596	0.0	434.798	0.0
load	N_1800035828	constant_power_B_reac	869.596	0.0	434.798	0.0
load	N_1800035829	constant_power_A	3860.68	1268.94	1930.34	634.47
load	N_1800035829	constant_power_B	3860.68	1268.94	1930.34	634.47
load	N_1800035829	constant_power_A_real	3860.68	0.0	1930.34	0.0
load	N_1800035829	constant_power_B_real	3860.68	0.0	1930.34	0.0
load	N_1800035829	constant_power_A_reac	1268.94	0.0	634.47	0.0
load	N_1800035829	constant_power_B_reac	1268.94	0.0	634.47	0.0
load	N_1800038503	constant_power_A	2148.25	706.095	1074.125	353.0475
load	N_1800038503	constant_power_B	2148.25	706.095	1074.125	353.0475
load	N_1800038503	constant_power_A_real	2148.25	0.0	1074.125	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800038503	constant_power_B_real	2148.25	0.0	1074.125	0.0
load	N_1800038503	constant_power_A_reac	706.095	0.0	353.0475	0.0
load	N_1800038503	constant_power_B_reac	706.095	0.0	353.0475	0.0
load	N_1800035826	constant_power_A	986.081	324.109	493.0405	162.0545
load	N_1800035826	constant_power_B	986.081	324.109	493.0405	162.0545
load	N_1800035826	constant_power_A_real	986.081	0.0	493.0405	0.0
load	N_1800035826	constant_power_B_real	986.081	0.0	493.0405	0.0
load	N_1800035826	constant_power_A_reac	324.109	0.0	162.0545	0.0
load	N_1800035826	constant_power_B_reac	324.109	0.0	162.0545	0.0
load	N_1800035827	constant_power_A	1725.64	567.191	862.82	283.5955
load	N_1800035827	constant_power_B	1725.64	567.191	862.82	283.5955
load	N_1800035827	constant_power_A_real	1725.64	0.0	862.82	0.0
load	N_1800035827	constant_power_B_real	1725.64	0.0	862.82	0.0
load	N_1800035827	constant_power_A_reac	567.191	0.0	283.5955	0.0
load	N_1800035827	constant_power_B_reac	567.191	0.0	283.5955	0.0
load	N_1800073261	constant_power_A	2676.51	879.725	1338.255	439.8625
load	N_1800073261	constant_power_B	2676.51	879.725	1338.255	439.8625
load	N_1800073261	constant_power_A_real	2676.51	0.0	1338.255	0.0
load	N_1800073261	constant_power_B_real	2676.51	0.0	1338.255	0.0
load	N_1800073261	constant_power_A_reac	879.725	0.0	439.8625	0.0
load	N_1800073261	constant_power_B_reac	879.725	0.0	439.8625	0.0
load	N_1800073262	constant_power_A	673.528	221.378	336.764	110.689
load	N_1800073262	constant_power_B	673.528	221.378	336.764	110.689
load	N_1800073262	constant_power_A_real	673.528	0.0	336.764	0.0
load	N_1800073262	constant_power_B_real	673.528	0.0	336.764	0.0
load	N_1800073262	constant_power_A_reac	221.378	0.0	110.689	0.0
load	N_1800073262	constant_power_B_reac	221.378	0.0	110.689	0.0
load	N_1800073263	constant_power_A	8.804	5.45623	4.402	2.728115
load	N_1800073263	constant_power_B	8.804	5.45623	4.402	2.728115
load	N_1800073263	constant_power_A_real	8.804	0.0	4.402	0.0
load	N_1800073263	constant_power_B_real	8.804	0.0	4.402	0.0
load	N_1800073263	constant_power_A_reac	5.45623	0.0	2.728115	0.0
load	N_1800073263	constant_power_B_reac	5.45623	0.0	2.728115	0.0
load	N_1800067378	constant_power_A	1184.18	389.22	592.09	194.61
load	N_1800067378	constant_power_B	1184.18	389.22	592.09	194.61
load	N_1800067378	constant_power_A_real	1184.18	0.0	592.09	0.0
load	N_1800067378	constant_power_B_real	1184.18	0.0	592.09	0.0
load	N_1800067378	constant_power_A_reac	389.22	0.0	194.61	0.0
load	N_1800067378	constant_power_B_reac	389.22	0.0	194.61	0.0
load	N_1800067377	constant_power_A	506.247	166.395	253.1235	83.1975
load	N_1800067377	constant_power_B	506.247	166.395	253.1235	83.1975
load	N_1800067377	constant_power_A_real	506.247	0.0	253.1235	0.0
load	N_1800067377	constant_power_B_real	506.247	0.0	253.1235	0.0
load	N_1800067377	constant_power_A_reac	166.395	0.0	83.1975	0.0
load	N_1800067377	constant_power_B_reac	166.395	0.0	83.1975	0.0
load	N_1800067376	constant_power_A	1342.65	441.309	671.325	220.6545
load	N_1800067376	constant_power_B	1342.65	441.309	671.325	220.6545
load	N_1800067376	constant_power_A_real	1342.65	0.0	671.325	0.0
load	N_1800067376	constant_power_B_real	1342.65	0.0	671.325	0.0
load	N_1800067376	constant_power_A_reac	441.309	0.0	220.6545	0.0
load	N_1800067376	constant_power_B_reac	441.309	0.0	220.6545	0.0
load	N_1800044059	constant_power_A	814.397	267.679	407.1985	133.8395
load	N_1800044059	constant_power_B	814.397	267.679	407.1985	133.8395
load	N_1800044059	constant_power_A_real	814.397	0.0	407.1985	0.0
load	N_1800044059	constant_power_B_real	814.397	0.0	407.1985	0.0
load	N_1800044059	constant_power_A_reac	267.679	0.0	133.8395	0.0
load	N_1800044059	constant_power_B_reac	267.679	0.0	133.8395	0.0
load	N_1800040753	constant_power_A	1104.94	363.176	552.47	181.588
load	N_1800040753	constant_power_B	1104.94	363.176	552.47	181.588
load	N_1800040753	constant_power_A_real	1104.94	0.0	552.47	0.0
load	N_1800040753	constant_power_B_real	1104.94	0.0	552.47	0.0
load	N_1800040753	constant_power_A_reac	363.176	0.0	181.588	0.0
load	N_1800040753	constant_power_B_reac	363.176	0.0	181.588	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067371	constant_power_A	2113.03	694.519	1056.515	347.2595
load	N_1800067371	constant_power_B	2113.03	694.519	1056.515	347.2595
load	N_1800067371	constant_power_A_real	2113.03	0.0	1056.515	0.0
load	N_1800067371	constant_power_B_real	2113.03	0.0	1056.515	0.0
load	N_1800067371	constant_power_A_reac	694.519	0.0	347.2595	0.0
load	N_1800067371	constant_power_B_reac	694.519	0.0	347.2595	0.0
load	N_1800040023	constant_power_A	752.767	247.423	376.3835	123.7115
load	N_1800040023	constant_power_B	752.767	247.423	376.3835	123.7115
load	N_1800040023	constant_power_A_real	752.767	0.0	376.3835	0.0
load	N_1800040023	constant_power_B_real	752.767	0.0	376.3835	0.0
load	N_1800040023	constant_power_A_reac	247.423	0.0	123.7115	0.0
load	N_1800040023	constant_power_B_reac	247.423	0.0	123.7115	0.0
load	N_1800034680	constant_power_A	3231.18	1062.04	1615.59	531.02
load	N_1800034680	constant_power_B	3231.18	1062.04	1615.59	531.02
load	N_1800034680	constant_power_A_real	3231.18	0.0	1615.59	0.0
load	N_1800034680	constant_power_B_real	3231.18	0.0	1615.59	0.0
load	N_1800034680	constant_power_A_reac	1062.04	0.0	531.02	0.0
load	N_1800034680	constant_power_B_reac	1062.04	0.0	531.02	0.0
load	N_1800073123	constant_power_A	4138.02	1360.1	2069.01	680.05
load	N_1800073123	constant_power_B	4138.02	1360.1	2069.01	680.05
load	N_1800073123	constant_power_A_real	4138.02	0.0	2069.01	0.0
load	N_1800073123	constant_power_B_real	4138.02	0.0	2069.01	0.0
load	N_1800073123	constant_power_A_reac	1360.1	0.0	680.05	0.0
load	N_1800073123	constant_power_B_reac	1360.1	0.0	680.05	0.0
load	N_1800072432	constant_power_A	391.791	128.775	195.8955	64.3875
load	N_1800072432	constant_power_B	391.791	128.775	195.8955	64.3875
load	N_1800072432	constant_power_A_real	391.791	0.0	195.8955	0.0
load	N_1800072432	constant_power_B_real	391.791	0.0	195.8955	0.0
load	N_1800072432	constant_power_A_reac	128.775	0.0	64.3875	0.0
load	N_1800072432	constant_power_B_reac	128.775	0.0	64.3875	0.0
load	N_1800072433	constant_power_A	2901.01	953.517	1450.505	476.7585
load	N_1800072433	constant_power_B	2901.01	953.517	1450.505	476.7585
load	N_1800072433	constant_power_A_real	2901.01	0.0	1450.505	0.0
load	N_1800072433	constant_power_B_real	2901.01	0.0	1450.505	0.0
load	N_1800072433	constant_power_A_reac	953.517	0.0	476.7585	0.0
load	N_1800072433	constant_power_B_reac	953.517	0.0	476.7585	0.0
load	N_1800038217	constant_power_A	1686.02	554.169	843.01	277.0845
load	N_1800038217	constant_power_B	1686.02	554.169	843.01	277.0845
load	N_1800038217	constant_power_A_real	1686.02	0.0	843.01	0.0
load	N_1800038217	constant_power_B_real	1686.02	0.0	843.01	0.0
load	N_1800038217	constant_power_A_reac	554.169	0.0	277.0845	0.0
load	N_1800038217	constant_power_B_reac	554.169	0.0	277.0845	0.0
load	N_1800072436	constant_power_A	805.593	264.786	402.7965	132.393
load	N_1800072436	constant_power_B	805.593	264.786	402.7965	132.393
load	N_1800072436	constant_power_A_real	805.593	0.0	402.7965	0.0
load	N_1800072436	constant_power_B_real	805.593	0.0	402.7965	0.0
load	N_1800072436	constant_power_A_reac	264.786	0.0	132.393	0.0
load	N_1800072436	constant_power_B_reac	264.786	0.0	132.393	0.0
load	N_1800072437	constant_power_A	58.6953	36.3761	29.34765	18.18805
load	N_1800072437	constant_power_B	58.6953	36.3761	29.34765	18.18805
load	N_1800072437	constant_power_C	58.6953	36.3761	29.34765	18.18805
load	N_1800072437	constant_power_A_real	58.6953	0.0	29.34765	0.0
load	N_1800072437	constant_power_B_real	58.6953	0.0	29.34765	0.0
load	N_1800072437	constant_power_C_real	58.6953	0.0	29.34765	0.0
load	N_1800072437	constant_power_A_reac	36.3761	0.0	18.18805	0.0
load	N_1800072437	constant_power_B_reac	36.3761	0.0	18.18805	0.0
load	N_1800072437	constant_power_C_reac	36.3761	0.0	18.18805	0.0
load	N_1800070855	constant_power_A	57.228	18.8099	28.614	9.40495
load	N_1800070855	constant_power_B	57.228	18.8099	28.614	9.40495
load	N_1800070855	constant_power_A_real	57.228	0.0	28.614	0.0
load	N_1800070855	constant_power_B_real	57.228	0.0	28.614	0.0
load	N_1800070855	constant_power_A_reac	18.8099	0.0	9.40495	0.0
load	N_1800070855	constant_power_B_reac	18.8099	0.0	9.40495	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800019563	constant_power_A	26589.0	16478.4	13294.5	8239.2
load	N_1800019563	constant_power_B	26589.0	16478.4	13294.5	8239.2
load	N_1800019563	constant_power_C	26589.0	16478.4	13294.5	8239.2
load	N_1800019563	constant_power_A_real	26589.0	0.0	13294.5	0.0
load	N_1800019563	constant_power_B_real	26589.0	0.0	13294.5	0.0
load	N_1800019563	constant_power_C_real	26589.0	0.0	13294.5	0.0
load	N_1800019563	constant_power_A_reac	16478.4	0.0	8239.2	0.0
load	N_1800019563	constant_power_B_reac	16478.4	0.0	8239.2	0.0
load	N_1800019563	constant_power_C_reac	16478.4	0.0	8239.2	0.0
load	N_1800082068	constant_power_A	4748.45	2942.82	2374.225	1471.41
load	N_1800082068	constant_power_B	4748.45	2942.82	2374.225	1471.41
load	N_1800082068	constant_power_C	4748.45	2942.82	2374.225	1471.41
load	N_1800082068	constant_power_A_real	4748.45	0.0	2374.225	0.0
load	N_1800082068	constant_power_B_real	4748.45	0.0	2374.225	0.0
load	N_1800082068	constant_power_C_real	4748.45	0.0	2374.225	0.0
load	N_1800082068	constant_power_A_reac	2942.82	0.0	1471.41	0.0
load	N_1800082068	constant_power_B_reac	2942.82	0.0	1471.41	0.0
load	N_1800082068	constant_power_C_reac	2942.82	0.0	1471.41	0.0
load	N_1800031017	constant_power_A	629.507	206.909	314.7535	103.4545
load	N_1800031017	constant_power_B	629.507	206.909	314.7535	103.4545
load	N_1800031017	constant_power_A_real	629.507	0.0	314.7535	0.0
load	N_1800031017	constant_power_B_real	629.507	0.0	314.7535	0.0
load	N_1800031017	constant_power_A_reac	206.909	0.0	103.4545	0.0
load	N_1800031017	constant_power_B_reac	206.909	0.0	103.4545	0.0
load	N_1800080779	constant_power_A	132.064	43.4074	66.032	21.7037
load	N_1800080779	constant_power_B	132.064	43.4074	66.032	21.7037
load	N_1800080779	constant_power_C	132.064	43.4074	66.032	21.7037
load	N_1800080779	constant_power_A_real	132.064	0.0	66.032	0.0
load	N_1800080779	constant_power_B_real	132.064	0.0	66.032	0.0
load	N_1800080779	constant_power_C_real	132.064	0.0	66.032	0.0
load	N_1800080779	constant_power_A_reac	43.4074	0.0	21.7037	0.0
load	N_1800080779	constant_power_B_reac	43.4074	0.0	21.7037	0.0
load	N_1800080779	constant_power_C_reac	43.4074	0.0	21.7037	0.0
load	N_1800032694	constant_power_A	735.158	241.635	367.579	120.8175
load	N_1800032694	constant_power_B	735.158	241.635	367.579	120.8175
load	N_1800032694	constant_power_A_real	735.158	0.0	367.579	0.0
load	N_1800032694	constant_power_B_real	735.158	0.0	367.579	0.0
load	N_1800032694	constant_power_A_reac	241.635	0.0	120.8175	0.0
load	N_1800032694	constant_power_B_reac	241.635	0.0	120.8175	0.0
load	N_1800080953	constant_power_A	16801.5	10412.6	8400.75	5206.3
load	N_1800080953	constant_power_B	16801.5	10412.6	8400.75	5206.3
load	N_1800080953	constant_power_C	16801.5	10412.6	8400.75	5206.3
load	N_1800080953	constant_power_A_real	16801.5	0.0	8400.75	0.0
load	N_1800080953	constant_power_B_real	16801.5	0.0	8400.75	0.0
load	N_1800080953	constant_power_C_real	16801.5	0.0	8400.75	0.0
load	N_1800080953	constant_power_A_reac	10412.6	0.0	5206.3	0.0
load	N_1800080953	constant_power_B_reac	10412.6	0.0	5206.3	0.0
load	N_1800080953	constant_power_C_reac	10412.6	0.0	5206.3	0.0
load	N_1800031019	constant_power_A	2711.72	891.3	1355.86	445.65
load	N_1800031019	constant_power_B	2711.72	891.3	1355.86	445.65
load	N_1800031019	constant_power_A_real	2711.72	0.0	1355.86	0.0
load	N_1800031019	constant_power_B_real	2711.72	0.0	1355.86	0.0
load	N_1800031019	constant_power_A_reac	891.3	0.0	445.65	0.0
load	N_1800031019	constant_power_B_reac	891.3	0.0	445.65	0.0
load	N_1800080957	constant_power_A	1065.32	660.226	532.66	330.113
load	N_1800080957	constant_power_B	1065.32	660.226	532.66	330.113
load	N_1800080957	constant_power_C	1065.32	660.226	532.66	330.113
load	N_1800080957	constant_power_A_real	1065.32	0.0	532.66	0.0
load	N_1800080957	constant_power_B_real	1065.32	0.0	532.66	0.0
load	N_1800080957	constant_power_C_real	1065.32	0.0	532.66	0.0
load	N_1800080957	constant_power_A_reac	660.226	0.0	330.113	0.0
load	N_1800080957	constant_power_B_reac	660.226	0.0	330.113	0.0
load	N_1800080957	constant_power_C_reac	660.226	0.0	330.113	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069018	constant_power_A	58.6953	36.3761	29.34765	18.18805
load	N_1800069018	constant_power_B	58.6953	36.3761	29.34765	18.18805
load	N_1800069018	constant_power_C	58.6953	36.3761	29.34765	18.18805
load	N_1800069018	constant_power_A_real	58.6953	0.0	29.34765	0.0
load	N_1800069018	constant_power_B_real	58.6953	0.0	29.34765	0.0
load	N_1800069018	constant_power_C_real	58.6953	0.0	29.34765	0.0
load	N_1800069018	constant_power_A_reac	36.3761	0.0	18.18805	0.0
load	N_1800069018	constant_power_B_reac	36.3761	0.0	18.18805	0.0
load	N_1800069018	constant_power_C_reac	36.3761	0.0	18.18805	0.0
load	N_1800069014	constant_power_A	8038.32	4981.7	4019.16	2490.85
load	N_1800069014	constant_power_B	8038.32	4981.7	4019.16	2490.85
load	N_1800069014	constant_power_C	8038.32	4981.7	4019.16	2490.85
load	N_1800069014	constant_power_A_real	8038.32	0.0	4019.16	0.0
load	N_1800069014	constant_power_B_real	8038.32	0.0	4019.16	0.0
load	N_1800069014	constant_power_C_real	8038.32	0.0	4019.16	0.0
load	N_1800069014	constant_power_A_reac	4981.7	0.0	2490.85	0.0
load	N_1800069014	constant_power_B_reac	4981.7	0.0	2490.85	0.0
load	N_1800069014	constant_power_C_reac	4981.7	0.0	2490.85	0.0
load	N_1800035482	constant_power_A	16464.0	5411.46	8232.0	2705.73
load	N_1800035482	constant_power_A_real	16464.0	0.0	8232.0	0.0
load	N_1800035482	constant_power_A_reac	5411.46	0.0	2705.73	0.0
load	N_1800073055	constant_power_A	3799.05	1248.69	1899.525	624.345
load	N_1800073055	constant_power_B	3799.05	1248.69	1899.525	624.345
load	N_1800073055	constant_power_A_real	3799.05	0.0	1899.525	0.0
load	N_1800073055	constant_power_B_real	3799.05	0.0	1899.525	0.0
load	N_1800073055	constant_power_A_reac	1248.69	0.0	624.345	0.0
load	N_1800073055	constant_power_B_reac	1248.69	0.0	624.345	0.0
load	N_1800035486	constant_power_A	801.191	263.339	400.5955	131.6695
load	N_1800035486	constant_power_B	801.191	263.339	400.5955	131.6695
load	N_1800035486	constant_power_A_real	801.191	0.0	400.5955	0.0
load	N_1800035486	constant_power_B_real	801.191	0.0	400.5955	0.0
load	N_1800035486	constant_power_A_reac	263.339	0.0	131.6695	0.0
load	N_1800035486	constant_power_B_reac	263.339	0.0	131.6695	0.0
load	N_1800035487	constant_power_A	924.451	303.852	462.2255	151.926
load	N_1800035487	constant_power_B	924.451	303.852	462.2255	151.926
load	N_1800035487	constant_power_A_real	924.451	0.0	462.2255	0.0
load	N_1800035487	constant_power_B_real	924.451	0.0	462.2255	0.0
load	N_1800035487	constant_power_A_reac	303.852	0.0	151.926	0.0
load	N_1800035487	constant_power_B_reac	303.852	0.0	151.926	0.0
load	N_1800035485	constant_power_A	171.684	56.4298	85.842	28.2149
load	N_1800035485	constant_power_B	171.684	56.4298	85.842	28.2149
load	N_1800035485	constant_power_A_real	171.684	0.0	85.842	0.0
load	N_1800035485	constant_power_B_real	171.684	0.0	85.842	0.0
load	N_1800035485	constant_power_A_reac	56.4298	0.0	28.2149	0.0
load	N_1800035485	constant_power_B_reac	56.4298	0.0	28.2149	0.0
load	N_1800070063	constant_power_A	3191.56	1049.01	1595.78	524.505
load	N_1800070063	constant_power_B	3191.56	1049.01	1595.78	524.505
load	N_1800070063	constant_power_A_real	3191.56	0.0	1595.78	0.0
load	N_1800070063	constant_power_B_real	3191.56	0.0	1595.78	0.0
load	N_1800070063	constant_power_A_reac	1049.01	0.0	524.505	0.0
load	N_1800070063	constant_power_B_reac	1049.01	0.0	524.505	0.0
load	N_1800072504	constant_power_A	2540.04	834.87	1270.02	417.435
load	N_1800072504	constant_power_B	2540.04	834.87	1270.02	417.435
load	N_1800072504	constant_power_A_real	2540.04	0.0	1270.02	0.0
load	N_1800072504	constant_power_B_real	2540.04	0.0	1270.02	0.0
load	N_1800072504	constant_power_A_reac	834.87	0.0	417.435	0.0
load	N_1800072504	constant_power_B_reac	834.87	0.0	417.435	0.0
load	N_1800072502	constant_power_A	1041.84	645.675	520.92	322.8375
load	N_1800072502	constant_power_B	1041.84	645.675	520.92	322.8375
load	N_1800072502	constant_power_C	1041.84	645.675	520.92	322.8375
load	N_1800072502	constant_power_A_real	1041.84	0.0	520.92	0.0
load	N_1800072502	constant_power_B_real	1041.84	0.0	520.92	0.0
load	N_1800072502	constant_power_C_real	1041.84	0.0	520.92	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072502	constant_power_A_reac	645.675	0.0	322.8375	0.0
load	N_1800072502	constant_power_B_reac	645.675	0.0	322.8375	0.0
load	N_1800072502	constant_power_C_reac	645.675	0.0	322.8375	0.0
load	N_1800065037	constant_power_A	1370.53	450.473	685.265	225.2365
load	N_1800065037	constant_power_B	1370.53	450.473	685.265	225.2365
load	N_1800065037	constant_power_C	1370.53	450.473	685.265	225.2365
load	N_1800065037	constant_power_A_real	1370.53	0.0	685.265	0.0
load	N_1800065037	constant_power_B_real	1370.53	0.0	685.265	0.0
load	N_1800065037	constant_power_C_real	1370.53	0.0	685.265	0.0
load	N_1800065037	constant_power_A_reac	450.473	0.0	225.2365	0.0
load	N_1800065037	constant_power_B_reac	450.473	0.0	225.2365	0.0
load	N_1800065037	constant_power_C_reac	450.473	0.0	225.2365	0.0
load	N_1800073059	constant_power_A	4296.49	1412.19	2148.245	706.095
load	N_1800073059	constant_power_B	4296.49	1412.19	2148.245	706.095
load	N_1800073059	constant_power_A_real	4296.49	0.0	2148.245	0.0
load	N_1800073059	constant_power_B_real	4296.49	0.0	2148.245	0.0
load	N_1800073059	constant_power_A_reac	1412.19	0.0	706.095	0.0
load	N_1800073059	constant_power_B_reac	1412.19	0.0	706.095	0.0
load	N_1800073058	constant_power_A	3992.75	1312.35	1996.375	656.175
load	N_1800073058	constant_power_B	3992.75	1312.35	1996.375	656.175
load	N_1800073058	constant_power_A_real	3992.75	0.0	1996.375	0.0
load	N_1800073058	constant_power_B_real	3992.75	0.0	1996.375	0.0
load	N_1800073058	constant_power_A_reac	1312.35	0.0	656.175	0.0
load	N_1800073058	constant_power_B_reac	1312.35	0.0	656.175	0.0
load	N_1800025981	constant_power_A	488.638	160.608	244.319	80.304
load	N_1800025981	constant_power_B	488.638	160.608	244.319	80.304
load	N_1800025981	constant_power_A_real	488.638	0.0	244.319	0.0
load	N_1800025981	constant_power_B_real	488.638	0.0	244.319	0.0
load	N_1800025981	constant_power_A_reac	160.608	0.0	80.304	0.0
load	N_1800025981	constant_power_B_reac	160.608	0.0	80.304	0.0
load	N_1800067942	constant_power_A	680.865	421.962	340.4325	210.981
load	N_1800067942	constant_power_B	680.865	421.962	340.4325	210.981
load	N_1800067942	constant_power_C	680.865	421.962	340.4325	210.981
load	N_1800067942	constant_power_A_real	680.865	0.0	340.4325	0.0
load	N_1800067942	constant_power_B_real	680.865	0.0	340.4325	0.0
load	N_1800067942	constant_power_C_real	680.865	0.0	340.4325	0.0
load	N_1800067942	constant_power_A_reac	421.962	0.0	210.981	0.0
load	N_1800067942	constant_power_B_reac	421.962	0.0	210.981	0.0
load	N_1800067942	constant_power_C_reac	421.962	0.0	210.981	0.0
load	N_1800205019	constant_power_A	6967.13	4317.84	3483.565	2158.92
load	N_1800205019	constant_power_B	6967.13	4317.84	3483.565	2158.92
load	N_1800205019	constant_power_C	6967.13	4317.84	3483.565	2158.92
load	N_1800205019	constant_power_A_real	6967.13	0.0	3483.565	0.0
load	N_1800205019	constant_power_B_real	6967.13	0.0	3483.565	0.0
load	N_1800205019	constant_power_C_real	6967.13	0.0	3483.565	0.0
load	N_1800205019	constant_power_A_reac	4317.84	0.0	2158.92	0.0
load	N_1800205019	constant_power_B_reac	4317.84	0.0	2158.92	0.0
load	N_1800205019	constant_power_C_reac	4317.84	0.0	2158.92	0.0
load	N_1800200852	constant_power_A	11759.6	7287.95	5879.8	3643.975
load	N_1800200852	constant_power_B	11759.6	7287.95	5879.8	3643.975
load	N_1800200852	constant_power_C	11759.6	7287.95	5879.8	3643.975
load	N_1800200852	constant_power_A_real	11759.6	0.0	5879.8	0.0
load	N_1800200852	constant_power_B_real	11759.6	0.0	5879.8	0.0
load	N_1800200852	constant_power_C_real	11759.6	0.0	5879.8	0.0
load	N_1800200852	constant_power_A_reac	7287.95	0.0	3643.975	0.0
load	N_1800200852	constant_power_B_reac	7287.95	0.0	3643.975	0.0
load	N_1800200852	constant_power_C_reac	7287.95	0.0	3643.975	0.0
load	N_1800188963	constant_power_A	1931.07	1196.77	965.535	598.385
load	N_1800188963	constant_power_B	1931.07	1196.77	965.535	598.385
load	N_1800188963	constant_power_C	1931.07	1196.77	965.535	598.385
load	N_1800188963	constant_power_A_real	1931.07	0.0	965.535	0.0
load	N_1800188963	constant_power_B_real	1931.07	0.0	965.535	0.0
load	N_1800188963	constant_power_C_real	1931.07	0.0	965.535	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800188963	constant_power_A_reac	1196.77	0.0	598.385	0.0
load	N_1800188963	constant_power_B_reac	1196.77	0.0	598.385	0.0
load	N_1800188963	constant_power_C_reac	1196.77	0.0	598.385	0.0
load	N_1800067959	constant_power_A	1285.43	422.499	642.715	211.2495
load	N_1800067959	constant_power_B	1285.43	422.499	642.715	211.2495
load	N_1800067959	constant_power_C	1285.43	422.499	642.715	211.2495
load	N_1800067959	constant_power_A_real	1285.43	0.0	642.715	0.0
load	N_1800067959	constant_power_B_real	1285.43	0.0	642.715	0.0
load	N_1800067959	constant_power_C_real	1285.43	0.0	642.715	0.0
load	N_1800067959	constant_power_A_reac	422.499	0.0	211.2495	0.0
load	N_1800067959	constant_power_B_reac	422.499	0.0	211.2495	0.0
load	N_1800067959	constant_power_C_reac	422.499	0.0	211.2495	0.0
load	N_1800070561	constant_power_A	1747.65	574.425	873.825	287.2125
load	N_1800070561	constant_power_B	1747.65	574.425	873.825	287.2125
load	N_1800070561	constant_power_A_real	1747.65	0.0	873.825	0.0
load	N_1800070561	constant_power_B_real	1747.65	0.0	873.825	0.0
load	N_1800070561	constant_power_A_reac	574.425	0.0	287.2125	0.0
load	N_1800070561	constant_power_B_reac	574.425	0.0	287.2125	0.0
load	N_1800067952	constant_power_A	4091.06	1344.67	2045.53	672.335
load	N_1800067952	constant_power_B	4091.06	1344.67	2045.53	672.335
load	N_1800067952	constant_power_C	4091.06	1344.67	2045.53	672.335
load	N_1800067952	constant_power_A_real	4091.06	0.0	2045.53	0.0
load	N_1800067952	constant_power_B_real	4091.06	0.0	2045.53	0.0
load	N_1800067952	constant_power_C_real	4091.06	0.0	2045.53	0.0
load	N_1800067952	constant_power_A_reac	1344.67	0.0	672.335	0.0
load	N_1800067952	constant_power_B_reac	1344.67	0.0	672.335	0.0
load	N_1800067952	constant_power_C_reac	1344.67	0.0	672.335	0.0
load	N_1800067955	constant_power_A	132.064	43.4074	66.032	21.7037
load	N_1800067955	constant_power_B	132.064	43.4074	66.032	21.7037
load	N_1800067955	constant_power_C	132.064	43.4074	66.032	21.7037
load	N_1800067955	constant_power_A_real	132.064	0.0	66.032	0.0
load	N_1800067955	constant_power_B_real	132.064	0.0	66.032	0.0
load	N_1800067955	constant_power_C_real	132.064	0.0	66.032	0.0
load	N_1800067955	constant_power_A_reac	43.4074	0.0	21.7037	0.0
load	N_1800067955	constant_power_B_reac	43.4074	0.0	21.7037	0.0
load	N_1800067955	constant_power_C_reac	43.4074	0.0	21.7037	0.0
load	N_1800070764	constant_power_A	2139.44	787.766	1069.72	393.883
load	N_1800070764	constant_power_A_real	2139.44	0.0	1069.72	0.0
load	N_1800070764	constant_power_A_reac	787.766	0.0	393.883	0.0
load	N_1800070765	constant_power_A	3750.63	1232.77	1875.315	616.385
load	N_1800070765	constant_power_A_real	3750.63	0.0	1875.315	0.0
load	N_1800070765	constant_power_A_reac	1232.77	0.0	616.385	0.0
load	N_1800070767	constant_power_A	2297.92	755.29	1148.96	377.645
load	N_1800070767	constant_power_A_real	2297.92	0.0	1148.96	0.0
load	N_1800070767	constant_power_A_reac	755.29	0.0	377.645	0.0
load	N_1800070760	constant_power_A	1972.16	648.218	986.08	324.109
load	N_1800070760	constant_power_A_real	1972.16	0.0	986.08	0.0
load	N_1800070760	constant_power_A_reac	648.218	0.0	324.109	0.0
load	N_1800073588	constant_power_A	4538.61	1491.77	2269.305	745.885
load	N_1800073588	constant_power_B	4538.61	1491.77	2269.305	745.885
load	N_1800073588	constant_power_A_real	4538.61	0.0	2269.305	0.0
load	N_1800073588	constant_power_B_real	4538.61	0.0	2269.305	0.0
load	N_1800073588	constant_power_A_reac	1491.77	0.0	745.885	0.0
load	N_1800073588	constant_power_B_reac	1491.77	0.0	745.885	0.0
load	N_1800070762	constant_power_A	158.477	52.0889	79.2385	26.04445
load	N_1800070762	constant_power_A_real	158.477	0.0	79.2385	0.0
load	N_1800070762	constant_power_A_reac	52.0889	0.0	26.04445	0.0
load	N_1800070763	constant_power_A	3477.7	1143.06	1738.85	571.53
load	N_1800070763	constant_power_A_real	3477.7	0.0	1738.85	0.0
load	N_1800070763	constant_power_A_reac	1143.06	0.0	571.53	0.0
load	N_1800073585	constant_power_A	2936.23	965.092	1468.115	482.546
load	N_1800073585	constant_power_B	2936.23	965.092	1468.115	482.546
load	N_1800073585	constant_power_A_real	2936.23	0.0	1468.115	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073585	constant_power_B_real	2936.23	0.0	1468.115	0.0
load	N_1800073585	constant_power_A_reac	965.092	0.0	482.546	0.0
load	N_1800073585	constant_power_B_reac	965.092	0.0	482.546	0.0
load	N_1800073584	constant_power_A	3394.05	1115.57	1697.025	557.785
load	N_1800073584	constant_power_B	3394.05	1115.57	1697.025	557.785
load	N_1800073584	constant_power_A_real	3394.05	0.0	1697.025	0.0
load	N_1800073584	constant_power_B_real	3394.05	0.0	1697.025	0.0
load	N_1800073584	constant_power_A_reac	1115.57	0.0	557.785	0.0
load	N_1800073584	constant_power_B_reac	1115.57	0.0	557.785	0.0
load	N_1800073586	constant_power_A	4380.14	1439.68	2190.07	719.84
load	N_1800073586	constant_power_B	4380.14	1439.68	2190.07	719.84
load	N_1800073586	constant_power_A_real	4380.14	0.0	2190.07	0.0
load	N_1800073586	constant_power_B_real	4380.14	0.0	2190.07	0.0
load	N_1800073586	constant_power_A_reac	1439.68	0.0	719.84	0.0
load	N_1800073586	constant_power_B_reac	1439.68	0.0	719.84	0.0
load	N_1800070769	constant_power_A	1338.25	439.862	669.125	219.931
load	N_1800070769	constant_power_A_real	1338.25	0.0	669.125	0.0
load	N_1800070769	constant_power_A_reac	439.862	0.0	219.931	0.0
load	N_1800069656	constant_power_A	4274.48	1404.95	2137.24	702.475
load	N_1800069656	constant_power_B	4274.48	1404.95	2137.24	702.475
load	N_1800069656	constant_power_A_real	4274.48	0.0	2137.24	0.0
load	N_1800069656	constant_power_B_real	4274.48	0.0	2137.24	0.0
load	N_1800069656	constant_power_A_reac	1404.95	0.0	702.475	0.0
load	N_1800069656	constant_power_B_reac	1404.95	0.0	702.475	0.0
load	N_1800069657	constant_power_A	1914.93	629.408	957.465	314.704
load	N_1800069657	constant_power_B	1914.93	629.408	957.465	314.704
load	N_1800069657	constant_power_A_real	1914.93	0.0	957.465	0.0
load	N_1800069657	constant_power_B_real	1914.93	0.0	957.465	0.0
load	N_1800069657	constant_power_A_reac	629.408	0.0	314.704	0.0
load	N_1800069657	constant_power_B_reac	629.408	0.0	314.704	0.0
load	N_1800069654	constant_power_A	3279.6	1077.95	1639.8	538.975
load	N_1800069654	constant_power_B	3279.6	1077.95	1639.8	538.975
load	N_1800069654	constant_power_A_real	3279.6	0.0	1639.8	0.0
load	N_1800069654	constant_power_B_real	3279.6	0.0	1639.8	0.0
load	N_1800069654	constant_power_A_reac	1077.95	0.0	538.975	0.0
load	N_1800069654	constant_power_B_reac	1077.95	0.0	538.975	0.0
load	N_1800069655	constant_power_A	5700.78	1873.76	2850.39	936.88
load	N_1800069655	constant_power_B	5700.78	1873.76	2850.39	936.88
load	N_1800069655	constant_power_A_real	5700.78	0.0	2850.39	0.0
load	N_1800069655	constant_power_B_real	5700.78	0.0	2850.39	0.0
load	N_1800069655	constant_power_A_reac	1873.76	0.0	936.88	0.0
load	N_1800069655	constant_power_B_reac	1873.76	0.0	936.88	0.0
load	N_1800069652	constant_power_A	3622.97	1190.81	1811.485	595.405
load	N_1800069652	constant_power_B	3622.97	1190.81	1811.485	595.405
load	N_1800069652	constant_power_A_real	3622.97	0.0	1811.485	0.0
load	N_1800069652	constant_power_B_real	3622.97	0.0	1811.485	0.0
load	N_1800069652	constant_power_A_reac	1190.81	0.0	595.405	0.0
load	N_1800069652	constant_power_B_reac	1190.81	0.0	595.405	0.0
load	N_1800069653	constant_power_A	6832.13	2245.61	3416.065	1122.805
load	N_1800069653	constant_power_B	6832.13	2245.61	3416.065	1122.805
load	N_1800069653	constant_power_A_real	6832.13	0.0	3416.065	0.0
load	N_1800069653	constant_power_B_real	6832.13	0.0	3416.065	0.0
load	N_1800069653	constant_power_A_reac	2245.61	0.0	1122.805	0.0
load	N_1800069653	constant_power_B_reac	2245.61	0.0	1122.805	0.0
load	N_1800069650	constant_power_A	2667.7	876.831	1333.85	438.4155
load	N_1800069650	constant_power_B	2667.7	876.831	1333.85	438.4155
load	N_1800069650	constant_power_A_real	2667.7	0.0	1333.85	0.0
load	N_1800069650	constant_power_B_real	2667.7	0.0	1333.85	0.0
load	N_1800069650	constant_power_A_reac	876.831	0.0	438.4155	0.0
load	N_1800069650	constant_power_B_reac	876.831	0.0	438.4155	0.0
load	N_1800069651	constant_power_A	4490.19	1475.85	2245.095	737.925
load	N_1800069651	constant_power_B	4490.19	1475.85	2245.095	737.925
load	N_1800069651	constant_power_A_real	4490.19	0.0	2245.095	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069651	constant_power_B_real	4490.19	0.0	2245.095	0.0
load	N_1800069651	constant_power_A_reac	1475.85	0.0	737.925	0.0
load	N_1800069651	constant_power_B_reac	1475.85	0.0	737.925	0.0
load	N_1800032877	constant_power_A	1985.37	931.88	992.685	465.94
load	N_1800032877	constant_power_B	1985.37	931.88	992.685	465.94
load	N_1800032877	constant_power_A_real	1985.37	0.0	992.685	0.0
load	N_1800032877	constant_power_B_real	1985.37	0.0	992.685	0.0
load	N_1800032877	constant_power_A_reac	931.88	0.0	465.94	0.0
load	N_1800032877	constant_power_B_reac	931.88	0.0	465.94	0.0
load	N_1800069658	constant_power_A	1721.24	565.744	860.62	282.872
load	N_1800069658	constant_power_B	1721.24	565.744	860.62	282.872
load	N_1800069658	constant_power_A_real	1721.24	0.0	860.62	0.0
load	N_1800069658	constant_power_B_real	1721.24	0.0	860.62	0.0
load	N_1800069658	constant_power_A_reac	565.744	0.0	282.872	0.0
load	N_1800069658	constant_power_B_reac	565.744	0.0	282.872	0.0
load	N_1800069659	constant_power_A	1342.65	441.309	671.325	220.6545
load	N_1800069659	constant_power_B	1342.65	441.309	671.325	220.6545
load	N_1800069659	constant_power_A_real	1342.65	0.0	671.325	0.0
load	N_1800069659	constant_power_B_real	1342.65	0.0	671.325	0.0
load	N_1800069659	constant_power_A_reac	441.309	0.0	220.6545	0.0
load	N_1800069659	constant_power_B_reac	441.309	0.0	220.6545	0.0
load	N_1800032059	constant_power_A	1573.03	517.031	786.515	258.5155
load	N_1800032059	constant_power_B	1573.03	517.031	786.515	258.5155
load	N_1800032059	constant_power_C	1573.03	517.031	786.515	258.5155
load	N_1800032059	constant_power_A_real	1573.03	0.0	786.515	0.0
load	N_1800032059	constant_power_B_real	1573.03	0.0	786.515	0.0
load	N_1800032059	constant_power_C_real	1573.03	0.0	786.515	0.0
load	N_1800032059	constant_power_A_reac	517.031	0.0	258.5155	0.0
load	N_1800032059	constant_power_B_reac	517.031	0.0	258.5155	0.0
load	N_1800032059	constant_power_C_reac	517.031	0.0	258.5155	0.0
load	N_1800072665	constant_power_A	2896.61	952.07	1448.305	476.035
load	N_1800072665	constant_power_A_real	2896.61	0.0	1448.305	0.0
load	N_1800072665	constant_power_A_reac	952.07	0.0	476.035	0.0
load	N_1800032052	constant_power_A	5141.71	1690.0	2570.855	845.0
load	N_1800032052	constant_power_B	5141.71	1690.0	2570.855	845.0
load	N_1800032052	constant_power_A_real	5141.71	0.0	2570.855	0.0
load	N_1800032052	constant_power_B_real	5141.71	0.0	2570.855	0.0
load	N_1800032052	constant_power_A_reac	1690.0	0.0	845.0	0.0
load	N_1800032052	constant_power_B_reac	1690.0	0.0	845.0	0.0
load	N_1800032053	constant_power_A	4107.2	1444.79	2053.6	722.395
load	N_1800032053	constant_power_B	4107.2	1444.79	2053.6	722.395
load	N_1800032053	constant_power_A_real	4107.2	0.0	2053.6	0.0
load	N_1800032053	constant_power_B_real	4107.2	0.0	2053.6	0.0
load	N_1800032053	constant_power_A_reac	1444.79	0.0	722.395	0.0
load	N_1800032053	constant_power_B_reac	1444.79	0.0	722.395	0.0
load	N_1800070364	constant_power_A	933.255	306.746	466.6275	153.373
load	N_1800070364	constant_power_B	933.255	306.746	466.6275	153.373
load	N_1800070364	constant_power_A_real	933.255	0.0	466.6275	0.0
load	N_1800070364	constant_power_B_real	933.255	0.0	466.6275	0.0
load	N_1800070364	constant_power_A_reac	306.746	0.0	153.373	0.0
load	N_1800070364	constant_power_B_reac	306.746	0.0	153.373	0.0
load	N_1800070366	constant_power_A	1056.52	347.26	528.26	173.63
load	N_1800070366	constant_power_B	1056.52	347.26	528.26	173.63
load	N_1800070366	constant_power_C	1056.52	347.26	528.26	173.63
load	N_1800070366	constant_power_A_real	1056.52	0.0	528.26	0.0
load	N_1800070366	constant_power_B_real	1056.52	0.0	528.26	0.0
load	N_1800070366	constant_power_C_real	1056.52	0.0	528.26	0.0
load	N_1800070366	constant_power_A_reac	347.26	0.0	173.63	0.0
load	N_1800070366	constant_power_B_reac	347.26	0.0	173.63	0.0
load	N_1800070366	constant_power_C_reac	347.26	0.0	173.63	0.0
load	N_1800032057	constant_power_A	261.194	85.8503	130.597	42.92515
load	N_1800032057	constant_power_B	261.194	85.8503	130.597	42.92515
load	N_1800032057	constant_power_C	261.194	85.8503	130.597	42.92515

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800032057	constant_power_A_real	261.194	0.0	130.597	0.0
load	N_1800032057	constant_power_B_real	261.194	0.0	130.597	0.0
load	N_1800032057	constant_power_C_real	261.194	0.0	130.597	0.0
load	N_1800032057	constant_power_A_reac	85.8503	0.0	42.92515	0.0
load	N_1800032057	constant_power_B_reac	85.8503	0.0	42.92515	0.0
load	N_1800032057	constant_power_C_reac	85.8503	0.0	42.92515	0.0
load	N_1800018494	constant_power_A	2799.76	920.238	1399.88	460.119
load	N_1800018494	constant_power_B	2799.76	920.238	1399.88	460.119
load	N_1800018494	constant_power_C	2799.76	920.238	1399.88	460.119
load	N_1800018494	constant_power_A_real	2799.76	0.0	1399.88	0.0
load	N_1800018494	constant_power_B_real	2799.76	0.0	1399.88	0.0
load	N_1800018494	constant_power_C_real	2799.76	0.0	1399.88	0.0
load	N_1800018494	constant_power_A_reac	920.238	0.0	460.119	0.0
load	N_1800018494	constant_power_B_reac	920.238	0.0	460.119	0.0
load	N_1800018494	constant_power_C_reac	920.238	0.0	460.119	0.0
load	N_1800070013	constant_power_A	1254.61	412.371	627.305	206.1855
load	N_1800070013	constant_power_B	1254.61	412.371	627.305	206.1855
load	N_1800070013	constant_power_A_real	1254.61	0.0	627.305	0.0
load	N_1800070013	constant_power_B_real	1254.61	0.0	627.305	0.0
load	N_1800070013	constant_power_A_reac	412.371	0.0	206.1855	0.0
load	N_1800070013	constant_power_B_reac	412.371	0.0	206.1855	0.0
load	N_1800070100	constant_power_A	360.976	118.647	180.488	59.3235
load	N_1800070100	constant_power_B	360.976	118.647	180.488	59.3235
load	N_1800070100	constant_power_C	360.976	118.647	180.488	59.3235
load	N_1800070100	constant_power_A_real	360.976	0.0	180.488	0.0
load	N_1800070100	constant_power_B_real	360.976	0.0	180.488	0.0
load	N_1800070100	constant_power_C_real	360.976	0.0	180.488	0.0
load	N_1800070100	constant_power_A_reac	118.647	0.0	59.3235	0.0
load	N_1800070100	constant_power_B_reac	118.647	0.0	59.3235	0.0
load	N_1800070100	constant_power_C_reac	118.647	0.0	59.3235	0.0
load	N_1800070104	constant_power_A	1395.48	458.672	697.74	229.336
load	N_1800070104	constant_power_B	1395.48	458.672	697.74	229.336
load	N_1800070104	constant_power_A_real	1395.48	0.0	697.74	0.0
load	N_1800070104	constant_power_B_real	1395.48	0.0	697.74	0.0
load	N_1800070104	constant_power_A_reac	458.672	0.0	229.336	0.0
load	N_1800070104	constant_power_B_reac	458.672	0.0	229.336	0.0
load	N_1800070107	constant_power_A	4151.22	1364.44	2075.61	682.22
load	N_1800070107	constant_power_B	4151.22	1364.44	2075.61	682.22
load	N_1800070107	constant_power_A_real	4151.22	0.0	2075.61	0.0
load	N_1800070107	constant_power_B_real	4151.22	0.0	2075.61	0.0
load	N_1800070107	constant_power_A_reac	1364.44	0.0	682.22	0.0
load	N_1800070107	constant_power_B_reac	1364.44	0.0	682.22	0.0
load	N_1800067880	constant_power_A	647.115	212.696	323.5575	106.348
load	N_1800067880	constant_power_B	647.115	212.696	323.5575	106.348
load	N_1800067880	constant_power_A_real	647.115	0.0	323.5575	0.0
load	N_1800067880	constant_power_B_real	647.115	0.0	323.5575	0.0
load	N_1800067880	constant_power_A_reac	212.696	0.0	106.348	0.0
load	N_1800067880	constant_power_B_reac	212.696	0.0	106.348	0.0
load	N_1800013273	constant_power_A	7621.58	4092.18	3810.79	2046.09
load	N_1800013273	constant_power_B	7621.58	4092.18	3810.79	2046.09
load	N_1800013273	constant_power_C	7621.58	4092.18	3810.79	2046.09
load	N_1800013273	constant_power_A_real	7621.58	0.0	3810.79	0.0
load	N_1800013273	constant_power_B_real	7621.58	0.0	3810.79	0.0
load	N_1800013273	constant_power_C_real	7621.58	0.0	3810.79	0.0
load	N_1800013273	constant_power_A_reac	4092.18	0.0	2046.09	0.0
load	N_1800013273	constant_power_B_reac	4092.18	0.0	2046.09	0.0
load	N_1800013273	constant_power_C_reac	4092.18	0.0	2046.09	0.0
load	N_1800073471	constant_power_A	990.483	325.556	495.2415	162.778
load	N_1800073471	constant_power_B	990.483	325.556	495.2415	162.778
load	N_1800073471	constant_power_A_real	990.483	0.0	495.2415	0.0
load	N_1800073471	constant_power_B_real	990.483	0.0	495.2415	0.0
load	N_1800073471	constant_power_A_reac	325.556	0.0	162.778	0.0
load	N_1800073471	constant_power_B_reac	325.556	0.0	162.778	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073470	constant_power_A	3900.3	1281.97	1950.15	640.985
load	N_1800073470	constant_power_B	3900.3	1281.97	1950.15	640.985
load	N_1800073470	constant_power_A_real	3900.3	0.0	1950.15	0.0
load	N_1800073470	constant_power_B_real	3900.3	0.0	1950.15	0.0
load	N_1800073470	constant_power_A_reac	1281.97	0.0	640.985	0.0
load	N_1800073470	constant_power_B_reac	1281.97	0.0	640.985	0.0
load	N_1800073473	constant_power_A	4032.37	1325.37	2016.185	662.685
load	N_1800073473	constant_power_B	4032.37	1325.37	2016.185	662.685
load	N_1800073473	constant_power_A_real	4032.37	0.0	2016.185	0.0
load	N_1800073473	constant_power_B_real	4032.37	0.0	2016.185	0.0
load	N_1800073473	constant_power_A_reac	1325.37	0.0	662.685	0.0
load	N_1800073473	constant_power_B_reac	1325.37	0.0	662.685	0.0
load	N_1800073472	constant_power_A	2548.84	837.764	1274.42	418.882
load	N_1800073472	constant_power_B	2548.84	837.764	1274.42	418.882
load	N_1800073472	constant_power_A_real	2548.84	0.0	1274.42	0.0
load	N_1800073472	constant_power_B_real	2548.84	0.0	1274.42	0.0
load	N_1800073472	constant_power_A_reac	837.764	0.0	418.882	0.0
load	N_1800073472	constant_power_B_reac	837.764	0.0	418.882	0.0
load	N_1800067889	constant_power_A	994.885	327.003	497.4425	163.5015
load	N_1800067889	constant_power_B	994.885	327.003	497.4425	163.5015
load	N_1800067889	constant_power_C	994.885	327.003	497.4425	163.5015
load	N_1800067889	constant_power_A_real	994.885	0.0	497.4425	0.0
load	N_1800067889	constant_power_B_real	994.885	0.0	497.4425	0.0
load	N_1800067889	constant_power_C_real	994.885	0.0	497.4425	0.0
load	N_1800067889	constant_power_A_reac	327.003	0.0	163.5015	0.0
load	N_1800067889	constant_power_B_reac	327.003	0.0	163.5015	0.0
load	N_1800067889	constant_power_C_reac	327.003	0.0	163.5015	0.0
load	N_1800073474	constant_power_A	1074.12	353.047	537.06	176.5235
load	N_1800073474	constant_power_B	1074.12	353.047	537.06	176.5235
load	N_1800073474	constant_power_A_real	1074.12	0.0	537.06	0.0
load	N_1800073474	constant_power_B_real	1074.12	0.0	537.06	0.0
load	N_1800073474	constant_power_A_reac	353.047	0.0	176.5235	0.0
load	N_1800073474	constant_power_B_reac	353.047	0.0	176.5235	0.0
load	N_1800069727	constant_power_A	3600.95	1183.58	1800.475	591.79
load	N_1800069727	constant_power_B	3600.95	1183.58	1800.475	591.79
load	N_1800069727	constant_power_A_real	3600.95	0.0	1800.475	0.0
load	N_1800069727	constant_power_B_real	3600.95	0.0	1800.475	0.0
load	N_1800069727	constant_power_A_reac	1183.58	0.0	591.79	0.0
load	N_1800069727	constant_power_B_reac	1183.58	0.0	591.79	0.0
load	N_1800069724	constant_power_A	1628.79	535.359	814.395	267.6795
load	N_1800069724	constant_power_B	1628.79	535.359	814.395	267.6795
load	N_1800069724	constant_power_A_real	1628.79	0.0	814.395	0.0
load	N_1800069724	constant_power_B_real	1628.79	0.0	814.395	0.0
load	N_1800069724	constant_power_A_reac	535.359	0.0	267.6795	0.0
load	N_1800069724	constant_power_B_reac	535.359	0.0	267.6795	0.0
load	N_1800069725	constant_power_A	620.703	204.015	310.3515	102.0075
load	N_1800069725	constant_power_B	620.703	204.015	310.3515	102.0075
load	N_1800069725	constant_power_A_real	620.703	0.0	310.3515	0.0
load	N_1800069725	constant_power_B_real	620.703	0.0	310.3515	0.0
load	N_1800069725	constant_power_A_reac	204.015	0.0	102.0075	0.0
load	N_1800069725	constant_power_B_reac	204.015	0.0	102.0075	0.0
load	N_1800002806	constant_power_A	1599.45	525.713	799.725	262.8565
load	N_1800002806	constant_power_B	1599.45	525.713	799.725	262.8565
load	N_1800002806	constant_power_C	1599.45	525.713	799.725	262.8565
load	N_1800002806	constant_power_A_real	1599.45	0.0	799.725	0.0
load	N_1800002806	constant_power_B_real	1599.45	0.0	799.725	0.0
load	N_1800002806	constant_power_C_real	1599.45	0.0	799.725	0.0
load	N_1800002806	constant_power_A_reac	525.713	0.0	262.8565	0.0
load	N_1800002806	constant_power_B_reac	525.713	0.0	262.8565	0.0
load	N_1800002806	constant_power_C_reac	525.713	0.0	262.8565	0.0
load	N_1800069902	constant_power_A	1681.62	552.722	840.81	276.361
load	N_1800069902	constant_power_B	1681.62	552.722	840.81	276.361
load	N_1800069902	constant_power_A_real	1681.62	0.0	840.81	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069902	constant_power_B_real	1681.62	0.0	840.81	0.0
load	N_1800069902	constant_power_A_reac	552.722	0.0	276.361	0.0
load	N_1800069902	constant_power_B_reac	552.722	0.0	276.361	0.0
load	N_1800069903	constant_power_A	2509.22	824.742	1254.61	412.371
load	N_1800069903	constant_power_B	2509.22	824.742	1254.61	412.371
load	N_1800069903	constant_power_A_real	2509.22	0.0	1254.61	0.0
load	N_1800069903	constant_power_B_real	2509.22	0.0	1254.61	0.0
load	N_1800069903	constant_power_A_reac	824.742	0.0	412.371	0.0
load	N_1800069903	constant_power_B_reac	824.742	0.0	412.371	0.0
load	N_1800069904	constant_power_A	2672.1	878.278	1336.05	439.139
load	N_1800069904	constant_power_B	2672.1	878.278	1336.05	439.139
load	N_1800069904	constant_power_A_real	2672.1	0.0	1336.05	0.0
load	N_1800069904	constant_power_B_real	2672.1	0.0	1336.05	0.0
load	N_1800069904	constant_power_A_reac	878.278	0.0	439.139	0.0
load	N_1800069904	constant_power_B_reac	878.278	0.0	439.139	0.0
load	N_1800070619	constant_power_A	2082.22	684.391	1041.11	342.1955
load	N_1800070619	constant_power_B	2082.22	684.391	1041.11	342.1955
load	N_1800070619	constant_power_A_real	2082.22	0.0	1041.11	0.0
load	N_1800070619	constant_power_B_real	2082.22	0.0	1041.11	0.0
load	N_1800070619	constant_power_A_reac	684.391	0.0	342.1955	0.0
load	N_1800070619	constant_power_B_reac	684.391	0.0	342.1955	0.0
load	N_1800070617	constant_power_A	1100.54	361.729	550.27	180.8645
load	N_1800070617	constant_power_B	1100.54	361.729	550.27	180.8645
load	N_1800070617	constant_power_A_real	1100.54	0.0	550.27	0.0
load	N_1800070617	constant_power_B_real	1100.54	0.0	550.27	0.0
load	N_1800070617	constant_power_A_reac	361.729	0.0	180.8645	0.0
load	N_1800070617	constant_power_B_reac	361.729	0.0	180.8645	0.0
load	N_1800070611	constant_power_A	699.941	230.059	349.9705	115.0295
load	N_1800070611	constant_power_B	699.941	230.059	349.9705	115.0295
load	N_1800070611	constant_power_A_real	699.941	0.0	349.9705	0.0
load	N_1800070611	constant_power_B_real	699.941	0.0	349.9705	0.0
load	N_1800070611	constant_power_A_reac	230.059	0.0	115.0295	0.0
load	N_1800070611	constant_power_B_reac	230.059	0.0	115.0295	0.0
load	N_1800069352	constant_power_A	1175.37	386.326	587.685	193.163
load	N_1800069352	constant_power_B	1175.37	386.326	587.685	193.163
load	N_1800069352	constant_power_A_real	1175.37	0.0	587.685	0.0
load	N_1800069352	constant_power_B_real	1175.37	0.0	587.685	0.0
load	N_1800069352	constant_power_A_reac	386.326	0.0	193.163	0.0
load	N_1800069352	constant_power_B_reac	386.326	0.0	193.163	0.0
load	N_1800067777	constant_power_A	3033.08	996.925	1516.54	498.4625
load	N_1800067777	constant_power_B	3033.08	996.925	1516.54	498.4625
load	N_1800067777	constant_power_A_real	3033.08	0.0	1516.54	0.0
load	N_1800067777	constant_power_B_real	3033.08	0.0	1516.54	0.0
load	N_1800067777	constant_power_A_reac	996.925	0.0	498.4625	0.0
load	N_1800067777	constant_power_B_reac	996.925	0.0	498.4625	0.0
load	N_1800067779	constant_power_A	1681.62	552.722	840.81	276.361
load	N_1800067779	constant_power_B	1681.62	552.722	840.81	276.361
load	N_1800067779	constant_power_A_real	1681.62	0.0	840.81	0.0
load	N_1800067779	constant_power_B_real	1681.62	0.0	840.81	0.0
load	N_1800067779	constant_power_A_reac	552.722	0.0	276.361	0.0
load	N_1800067779	constant_power_B_reac	552.722	0.0	276.361	0.0
load	N_1800070587	constant_power_A	419.671	142.21	209.8355	71.105
load	N_1800070587	constant_power_B	419.671	142.21	209.8355	71.105
load	N_1800070587	constant_power_C	419.671	142.21	209.8355	71.105
load	N_1800070587	constant_power_A_real	419.671	0.0	209.8355	0.0
load	N_1800070587	constant_power_B_real	419.671	0.0	209.8355	0.0
load	N_1800070587	constant_power_C_real	419.671	0.0	209.8355	0.0
load	N_1800070587	constant_power_A_reac	142.21	0.0	71.105	0.0
load	N_1800070587	constant_power_B_reac	142.21	0.0	71.105	0.0
load	N_1800070587	constant_power_C_reac	142.21	0.0	71.105	0.0
load	N_1800190984	constant_power_A	2843.79	934.707	1421.895	467.3535
load	N_1800190984	constant_power_B	2843.79	934.707	1421.895	467.3535
load	N_1800190984	constant_power_A_real	2843.79	0.0	1421.895	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800190984	constant_power_B_real	2843.79	0.0	1421.895	0.0
load	N_1800190984	constant_power_A_reac	934.707	0.0	467.3535	0.0
load	N_1800190984	constant_power_B_reac	934.707	0.0	467.3535	0.0
load	N_1800068295	constant_power_A	2768.95	910.11	1384.475	455.055
load	N_1800068295	constant_power_B	2768.95	910.11	1384.475	455.055
load	N_1800068295	constant_power_A_real	2768.95	0.0	1384.475	0.0
load	N_1800068295	constant_power_B_real	2768.95	0.0	1384.475	0.0
load	N_1800068295	constant_power_A_reac	910.11	0.0	455.055	0.0
load	N_1800068295	constant_power_B_reac	910.11	0.0	455.055	0.0
load	N_1800068294	constant_power_A	1575.97	517.996	787.985	258.998
load	N_1800068294	constant_power_B	1575.97	517.996	787.985	258.998
load	N_1800068294	constant_power_A_real	1575.97	0.0	787.985	0.0
load	N_1800068294	constant_power_B_real	1575.97	0.0	787.985	0.0
load	N_1800068294	constant_power_A_reac	517.996	0.0	258.998	0.0
load	N_1800068294	constant_power_B_reac	517.996	0.0	258.998	0.0
load	N_1800047908	constant_power_A	1989.77	654.006	994.885	327.003
load	N_1800047908	constant_power_B	1989.77	654.006	994.885	327.003
load	N_1800047908	constant_power_A_real	1989.77	0.0	994.885	0.0
load	N_1800047908	constant_power_B_real	1989.77	0.0	994.885	0.0
load	N_1800047908	constant_power_A_reac	654.006	0.0	327.003	0.0
load	N_1800047908	constant_power_B_reac	654.006	0.0	327.003	0.0
load	N_1800068296	constant_power_A	2029.39	667.028	1014.695	333.514
load	N_1800068296	constant_power_B	2029.39	667.028	1014.695	333.514
load	N_1800068296	constant_power_A_real	2029.39	0.0	1014.695	0.0
load	N_1800068296	constant_power_B_real	2029.39	0.0	1014.695	0.0
load	N_1800068296	constant_power_A_reac	667.028	0.0	333.514	0.0
load	N_1800068296	constant_power_B_reac	667.028	0.0	333.514	0.0
load	N_1800069348	constant_power_A	937.657	308.193	468.8285	154.0965
load	N_1800069348	constant_power_B	937.657	308.193	468.8285	154.0965
load	N_1800069348	constant_power_A_real	937.657	0.0	468.8285	0.0
load	N_1800069348	constant_power_B_real	937.657	0.0	468.8285	0.0
load	N_1800069348	constant_power_A_reac	308.193	0.0	154.0965	0.0
load	N_1800069348	constant_power_B_reac	308.193	0.0	154.0965	0.0
load	N_1800068290	constant_power_A	5493.88	1805.75	2746.94	902.875
load	N_1800068290	constant_power_B	5493.88	1805.75	2746.94	902.875
load	N_1800068290	constant_power_A_real	5493.88	0.0	2746.94	0.0
load	N_1800068290	constant_power_B_real	5493.88	0.0	2746.94	0.0
load	N_1800068290	constant_power_A_reac	1805.75	0.0	902.875	0.0
load	N_1800068290	constant_power_B_reac	1805.75	0.0	902.875	0.0
load	N_1800068293	constant_power_A	1888.52	620.727	944.26	310.3635
load	N_1800068293	constant_power_B	1888.52	620.727	944.26	310.3635
load	N_1800068293	constant_power_A_real	1888.52	0.0	944.26	0.0
load	N_1800068293	constant_power_B_real	1888.52	0.0	944.26	0.0
load	N_1800068293	constant_power_A_reac	620.727	0.0	310.3635	0.0
load	N_1800068293	constant_power_B_reac	620.727	0.0	310.3635	0.0
load	N_1800068292	constant_power_A	1355.86	445.65	677.93	222.825
load	N_1800068292	constant_power_B	1355.86	445.65	677.93	222.825
load	N_1800068292	constant_power_A_real	1355.86	0.0	677.93	0.0
load	N_1800068292	constant_power_B_real	1355.86	0.0	677.93	0.0
load	N_1800068292	constant_power_A_reac	445.65	0.0	222.825	0.0
load	N_1800068292	constant_power_B_reac	445.65	0.0	222.825	0.0
load	N_1800069836	constant_power_A	7413.21	2436.61	3706.605	1218.305
load	N_1800069836	constant_power_B	7413.21	2436.61	3706.605	1218.305
load	N_1800069836	constant_power_A_real	7413.21	0.0	3706.605	0.0
load	N_1800069836	constant_power_B_real	7413.21	0.0	3706.605	0.0
load	N_1800069836	constant_power_A_reac	2436.61	0.0	1218.305	0.0
load	N_1800069836	constant_power_B_reac	2436.61	0.0	1218.305	0.0
load	N_1800047900	constant_power_A	2865.8	941.942	1432.9	470.971
load	N_1800047900	constant_power_B	2865.8	941.942	1432.9	470.971
load	N_1800047900	constant_power_A_real	2865.8	0.0	1432.9	0.0
load	N_1800047900	constant_power_B_real	2865.8	0.0	1432.9	0.0
load	N_1800047900	constant_power_A_reac	941.942	0.0	470.971	0.0
load	N_1800047900	constant_power_B_reac	941.942	0.0	470.971	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800047901	constant_power_A	4371.33	1436.79	2185.665	718.395
load	N_1800047901	constant_power_B	4371.33	1436.79	2185.665	718.395
load	N_1800047901	constant_power_A_real	4371.33	0.0	2185.665	0.0
load	N_1800047901	constant_power_B_real	4371.33	0.0	2185.665	0.0
load	N_1800047901	constant_power_A_reac	1436.79	0.0	718.395	0.0
load	N_1800047901	constant_power_B_reac	1436.79	0.0	718.395	0.0
load	N_1800047906	constant_power_A	3147.53	1034.54	1573.765	517.27
load	N_1800047906	constant_power_B	3147.53	1034.54	1573.765	517.27
load	N_1800047906	constant_power_A_real	3147.53	0.0	1573.765	0.0
load	N_1800047906	constant_power_B_real	3147.53	0.0	1573.765	0.0
load	N_1800047906	constant_power_A_reac	1034.54	0.0	517.27	0.0
load	N_1800047906	constant_power_B_reac	1034.54	0.0	517.27	0.0
load	N_1800047907	constant_power_A	3231.18	1062.04	1615.59	531.02
load	N_1800047907	constant_power_B	3231.18	1062.04	1615.59	531.02
load	N_1800047907	constant_power_A_real	3231.18	0.0	1615.59	0.0
load	N_1800047907	constant_power_B_real	3231.18	0.0	1615.59	0.0
load	N_1800047907	constant_power_A_reac	1062.04	0.0	531.02	0.0
load	N_1800047907	constant_power_B_reac	1062.04	0.0	531.02	0.0
load	N_1800069342	constant_power_A	1360.26	447.097	680.13	223.5485
load	N_1800069342	constant_power_B	1360.26	447.097	680.13	223.5485
load	N_1800069342	constant_power_A_real	1360.26	0.0	680.13	0.0
load	N_1800069342	constant_power_B_real	1360.26	0.0	680.13	0.0
load	N_1800069342	constant_power_A_reac	447.097	0.0	223.5485	0.0
load	N_1800069342	constant_power_B_reac	447.097	0.0	223.5485	0.0
load	N_1800079244	constant_power_A	651.518	214.144	325.759	107.072
load	N_1800079244	constant_power_B	651.518	214.144	325.759	107.072
load	N_1800079244	constant_power_A_real	651.518	0.0	325.759	0.0
load	N_1800079244	constant_power_B_real	651.518	0.0	325.759	0.0
load	N_1800079244	constant_power_A_reac	214.144	0.0	107.072	0.0
load	N_1800079244	constant_power_B_reac	214.144	0.0	107.072	0.0
load	N_1800008607	constant_power_A	305.215	100.319	152.6075	50.1595
load	N_1800008607	constant_power_B	305.215	100.319	152.6075	50.1595
load	N_1800008607	constant_power_C	305.215	100.319	152.6075	50.1595
load	N_1800008607	constant_power_A_real	305.215	0.0	152.6075	0.0
load	N_1800008607	constant_power_B_real	305.215	0.0	152.6075	0.0
load	N_1800008607	constant_power_C_real	305.215	0.0	152.6075	0.0
load	N_1800008607	constant_power_A_reac	100.319	0.0	50.1595	0.0
load	N_1800008607	constant_power_B_reac	100.319	0.0	50.1595	0.0
load	N_1800008607	constant_power_C_reac	100.319	0.0	50.1595	0.0
load	N_1800067416	constant_power_A	814.397	267.679	407.1985	133.8395
load	N_1800067416	constant_power_B	814.397	267.679	407.1985	133.8395
load	N_1800067416	constant_power_A_real	814.397	0.0	407.1985	0.0
load	N_1800067416	constant_power_B_real	814.397	0.0	407.1985	0.0
load	N_1800067416	constant_power_A_reac	267.679	0.0	133.8395	0.0
load	N_1800067416	constant_power_B_reac	267.679	0.0	133.8395	0.0
load	N_1800072989	constant_power_A	651.518	214.144	325.759	107.072
load	N_1800072989	constant_power_B	651.518	214.144	325.759	107.072
load	N_1800072989	constant_power_A_real	651.518	0.0	325.759	0.0
load	N_1800072989	constant_power_B_real	651.518	0.0	325.759	0.0
load	N_1800072989	constant_power_A_reac	214.144	0.0	107.072	0.0
load	N_1800072989	constant_power_B_reac	214.144	0.0	107.072	0.0
load	N_1800068286	constant_power_A	761.571	250.316	380.7855	125.158
load	N_1800068286	constant_power_B	761.571	250.316	380.7855	125.158
load	N_1800068286	constant_power_A_real	761.571	0.0	380.7855	0.0
load	N_1800068286	constant_power_B_real	761.571	0.0	380.7855	0.0
load	N_1800068286	constant_power_A_reac	250.316	0.0	125.158	0.0
load	N_1800068286	constant_power_B_reac	250.316	0.0	125.158	0.0
load	N_1800072983	constant_power_A	409.4	134.563	204.7	67.2815
load	N_1800072983	constant_power_B	409.4	134.563	204.7	67.2815
load	N_1800072983	constant_power_A_real	409.4	0.0	204.7	0.0
load	N_1800072983	constant_power_B_real	409.4	0.0	204.7	0.0
load	N_1800072983	constant_power_A_reac	134.563	0.0	67.2815	0.0
load	N_1800072983	constant_power_B_reac	134.563	0.0	67.2815	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800022438	constant_power_A	3950.19	1525.58	1975.095	762.79
load	N_1800022438	constant_power_B	3950.19	1525.58	1975.095	762.79
load	N_1800022438	constant_power_C	3950.19	1525.58	1975.095	762.79
load	N_1800022438	constant_power_A_real	3950.19	0.0	1975.095	0.0
load	N_1800022438	constant_power_B_real	3950.19	0.0	1975.095	0.0
load	N_1800022438	constant_power_C_real	3950.19	0.0	1975.095	0.0
load	N_1800022438	constant_power_A_reac	1525.58	0.0	762.79	0.0
load	N_1800022438	constant_power_B_reac	1525.58	0.0	762.79	0.0
load	N_1800022438	constant_power_C_reac	1525.58	0.0	762.79	0.0
load	N_1800082206	constant_power_A	1470.32	483.27	735.16	241.635
load	N_1800082206	constant_power_B	1470.32	483.27	735.16	241.635
load	N_1800082206	constant_power_A_real	1470.32	0.0	735.16	0.0
load	N_1800082206	constant_power_B_real	1470.32	0.0	735.16	0.0
load	N_1800082206	constant_power_A_reac	483.27	0.0	241.635	0.0
load	N_1800082206	constant_power_B_reac	483.27	0.0	241.635	0.0
load	N_1800072984	constant_power_A	933.255	578.38	466.6275	289.19
load	N_1800072984	constant_power_B	933.255	578.38	466.6275	289.19
load	N_1800072984	constant_power_A_real	933.255	0.0	466.6275	0.0
load	N_1800072984	constant_power_B_real	933.255	0.0	466.6275	0.0
load	N_1800072984	constant_power_A_reac	578.38	0.0	289.19	0.0
load	N_1800072984	constant_power_B_reac	578.38	0.0	289.19	0.0
load	N_1800067419	constant_power_A	937.657	308.193	468.8285	154.0965
load	N_1800067419	constant_power_B	937.657	308.193	468.8285	154.0965
load	N_1800067419	constant_power_A_real	937.657	0.0	468.8285	0.0
load	N_1800067419	constant_power_B_real	937.657	0.0	468.8285	0.0
load	N_1800067419	constant_power_A_reac	308.193	0.0	154.0965	0.0
load	N_1800067419	constant_power_B_reac	308.193	0.0	154.0965	0.0
load	N_1800034844	constant_power_A	331.628	119.251	165.814	59.6255
load	N_1800034844	constant_power_B	331.628	119.251	165.814	59.6255
load	N_1800034844	constant_power_C	331.628	119.251	165.814	59.6255
load	N_1800034844	constant_power_A_real	331.628	0.0	165.814	0.0
load	N_1800034844	constant_power_B_real	331.628	0.0	165.814	0.0
load	N_1800034844	constant_power_C_real	331.628	0.0	165.814	0.0
load	N_1800034844	constant_power_A_reac	119.251	0.0	59.6255	0.0
load	N_1800034844	constant_power_B_reac	119.251	0.0	59.6255	0.0
load	N_1800034844	constant_power_C_reac	119.251	0.0	59.6255	0.0
load	N_1800034846	constant_power_A	2812.97	1522.94	1406.485	761.47
load	N_1800034846	constant_power_B	2812.97	1522.94	1406.485	761.47
load	N_1800034846	constant_power_A_real	2812.97	0.0	1406.485	0.0
load	N_1800034846	constant_power_B_real	2812.97	0.0	1406.485	0.0
load	N_1800034846	constant_power_A_reac	1522.94	0.0	761.47	0.0
load	N_1800034846	constant_power_B_reac	1522.94	0.0	761.47	0.0
load	N_1800034840	constant_power_A	1712.43	575.663	856.215	287.8315
load	N_1800034840	constant_power_B	1712.43	575.663	856.215	287.8315
load	N_1800034840	constant_power_A_real	1712.43	0.0	856.215	0.0
load	N_1800034840	constant_power_B_real	1712.43	0.0	856.215	0.0
load	N_1800034840	constant_power_A_reac	575.663	0.0	287.8315	0.0
load	N_1800034840	constant_power_B_reac	575.663	0.0	287.8315	0.0
load	N_1800034843	constant_power_A	2529.77	831.494	1264.885	415.747
load	N_1800034843	constant_power_B	2529.77	831.494	1264.885	415.747
load	N_1800034843	constant_power_C	2529.77	831.494	1264.885	415.747
load	N_1800034843	constant_power_A_real	2529.77	0.0	1264.885	0.0
load	N_1800034843	constant_power_B_real	2529.77	0.0	1264.885	0.0
load	N_1800034843	constant_power_C_real	2529.77	0.0	1264.885	0.0
load	N_1800034843	constant_power_A_reac	831.494	0.0	415.747	0.0
load	N_1800034843	constant_power_B_reac	831.494	0.0	415.747	0.0
load	N_1800034843	constant_power_C_reac	831.494	0.0	415.747	0.0
load	N_1800034842	constant_power_A	792.386	260.445	396.193	130.2225
load	N_1800034842	constant_power_B	792.386	260.445	396.193	130.2225
load	N_1800034842	constant_power_A_real	792.386	0.0	396.193	0.0
load	N_1800034842	constant_power_B_real	792.386	0.0	396.193	0.0
load	N_1800034842	constant_power_A_reac	260.445	0.0	130.2225	0.0
load	N_1800034842	constant_power_B_reac	260.445	0.0	130.2225	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800043828	constant_power_A	1382.27	488.926	691.135	244.463
load	N_1800043828	constant_power_B	1382.27	488.926	691.135	244.463
load	N_1800043828	constant_power_A_real	1382.27	0.0	691.135	0.0
load	N_1800043828	constant_power_B_real	1382.27	0.0	691.135	0.0
load	N_1800043828	constant_power_A_reac	488.926	0.0	244.463	0.0
load	N_1800043828	constant_power_B_reac	488.926	0.0	244.463	0.0
load	N_1800036754	constant_power_A	1188.58	390.667	594.29	195.3335
load	N_1800036754	constant_power_A_real	1188.58	0.0	594.29	0.0
load	N_1800036754	constant_power_A_reac	390.667	0.0	195.3335	0.0
load	N_1800018537	constant_power_A	13444.2	8331.94	6722.1	4165.97
load	N_1800018537	constant_power_B	13444.2	8331.94	6722.1	4165.97
load	N_1800018537	constant_power_C	13444.2	8331.94	6722.1	4165.97
load	N_1800018537	constant_power_A_real	13444.2	0.0	6722.1	0.0
load	N_1800018537	constant_power_B_real	13444.2	0.0	6722.1	0.0
load	N_1800018537	constant_power_C_real	13444.2	0.0	6722.1	0.0
load	N_1800018537	constant_power_A_reac	8331.94	0.0	4165.97	0.0
load	N_1800018537	constant_power_B_reac	8331.94	0.0	4165.97	0.0
load	N_1800018537	constant_power_C_reac	8331.94	0.0	4165.97	0.0
load	N_1800079405	constant_power_A	1141.62	375.233	570.81	187.6165
load	N_1800079405	constant_power_B	1141.62	375.233	570.81	187.6165
load	N_1800079405	constant_power_C	1141.62	375.233	570.81	187.6165
load	N_1800079405	constant_power_A_real	1141.62	0.0	570.81	0.0
load	N_1800079405	constant_power_B_real	1141.62	0.0	570.81	0.0
load	N_1800079405	constant_power_C_real	1141.62	0.0	570.81	0.0
load	N_1800079405	constant_power_A_reac	375.233	0.0	187.6165	0.0
load	N_1800079405	constant_power_B_reac	375.233	0.0	187.6165	0.0
load	N_1800079405	constant_power_C_reac	375.233	0.0	187.6165	0.0
load	N_1800073909	constant_power_A	158.477	52.0889	79.2385	26.04445
load	N_1800073909	constant_power_C	158.477	52.0889	79.2385	26.04445
load	N_1800073909	constant_power_A_real	158.477	0.0	79.2385	0.0
load	N_1800073909	constant_power_C_real	158.477	0.0	79.2385	0.0
load	N_1800073909	constant_power_A_reac	52.0889	0.0	26.04445	0.0
load	N_1800073909	constant_power_C_reac	52.0889	0.0	26.04445	0.0
load	N_1800030756	constant_power_A	654.452	215.108	327.226	107.554
load	N_1800030756	constant_power_B	654.452	215.108	327.226	107.554
load	N_1800030756	constant_power_C	654.452	215.108	327.226	107.554
load	N_1800030756	constant_power_A_real	654.452	0.0	327.226	0.0
load	N_1800030756	constant_power_B_real	654.452	0.0	327.226	0.0
load	N_1800030756	constant_power_C_real	654.452	0.0	327.226	0.0
load	N_1800030756	constant_power_A_reac	215.108	0.0	107.554	0.0
load	N_1800030756	constant_power_B_reac	215.108	0.0	107.554	0.0
load	N_1800030756	constant_power_C_reac	215.108	0.0	107.554	0.0
load	N_1800022722	constant_power_A	321.357	105.625	160.6785	52.8125
load	N_1800022722	constant_power_B	321.357	105.625	160.6785	52.8125
load	N_1800022722	constant_power_A_real	321.357	0.0	160.6785	0.0
load	N_1800022722	constant_power_B_real	321.357	0.0	160.6785	0.0
load	N_1800022722	constant_power_A_reac	105.625	0.0	52.8125	0.0
load	N_1800022722	constant_power_B_reac	105.625	0.0	52.8125	0.0
load	N_1800022720	constant_power_A	2253.9	740.821	1126.95	370.4105
load	N_1800022720	constant_power_B	2253.9	740.821	1126.95	370.4105
load	N_1800022720	constant_power_A_real	2253.9	0.0	1126.95	0.0
load	N_1800022720	constant_power_B_real	2253.9	0.0	1126.95	0.0
load	N_1800022720	constant_power_A_reac	740.821	0.0	370.4105	0.0
load	N_1800022720	constant_power_B_reac	740.821	0.0	370.4105	0.0
load	N_1800067562	constant_power_A	515.051	169.289	257.5255	84.6445
load	N_1800067562	constant_power_B	515.051	169.289	257.5255	84.6445
load	N_1800067562	constant_power_A_real	515.051	0.0	257.5255	0.0
load	N_1800067562	constant_power_B_real	515.051	0.0	257.5255	0.0
load	N_1800067562	constant_power_A_reac	169.289	0.0	84.6445	0.0
load	N_1800067562	constant_power_B_reac	169.289	0.0	84.6445	0.0
load	N_1800067560	constant_power_A	994.885	327.003	497.4425	163.5015
load	N_1800067560	constant_power_B	994.885	327.003	497.4425	163.5015
load	N_1800067560	constant_power_A_real	994.885	0.0	497.4425	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067560	constant_power_B_real	994.885	0.0	497.4425	0.0
load	N_1800067560	constant_power_A_reac	327.003	0.0	163.5015	0.0
load	N_1800067560	constant_power_B_reac	327.003	0.0	163.5015	0.0
load	N_1800067561	constant_power_A	2064.61	678.603	1032.305	339.3015
load	N_1800067561	constant_power_B	2064.61	678.603	1032.305	339.3015
load	N_1800067561	constant_power_A_real	2064.61	0.0	1032.305	0.0
load	N_1800067561	constant_power_B_real	2064.61	0.0	1032.305	0.0
load	N_1800067561	constant_power_A_reac	678.603	0.0	339.3015	0.0
load	N_1800067561	constant_power_B_reac	678.603	0.0	339.3015	0.0
load	N_1800067567	constant_power_A	3438.08	1130.04	1719.04	565.02
load	N_1800067567	constant_power_B	3438.08	1130.04	1719.04	565.02
load	N_1800067567	constant_power_A_real	3438.08	0.0	1719.04	0.0
load	N_1800067567	constant_power_B_real	3438.08	0.0	1719.04	0.0
load	N_1800067567	constant_power_A_reac	1130.04	0.0	565.02	0.0
load	N_1800067567	constant_power_B_reac	1130.04	0.0	565.02	0.0
load	N_1800067565	constant_power_A	493.04	162.054	246.52	81.027
load	N_1800067565	constant_power_B	493.04	162.054	246.52	81.027
load	N_1800067565	constant_power_A_real	493.04	0.0	246.52	0.0
load	N_1800067565	constant_power_B_real	493.04	0.0	246.52	0.0
load	N_1800067565	constant_power_A_reac	162.054	0.0	81.027	0.0
load	N_1800067565	constant_power_B_reac	162.054	0.0	81.027	0.0
load	N_1800067568	constant_power_A	484.236	159.161	242.118	79.5805
load	N_1800067568	constant_power_B	484.236	159.161	242.118	79.5805
load	N_1800067568	constant_power_A_real	484.236	0.0	242.118	0.0
load	N_1800067568	constant_power_B_real	484.236	0.0	242.118	0.0
load	N_1800067568	constant_power_A_reac	159.161	0.0	79.5805	0.0
load	N_1800067568	constant_power_B_reac	159.161	0.0	79.5805	0.0
load	N_1800067569	constant_power_A	325.759	107.072	162.8795	53.536
load	N_1800067569	constant_power_B	325.759	107.072	162.8795	53.536
load	N_1800067569	constant_power_A_real	325.759	0.0	162.8795	0.0
load	N_1800067569	constant_power_B_real	325.759	0.0	162.8795	0.0
load	N_1800067569	constant_power_A_reac	107.072	0.0	53.536	0.0
load	N_1800067569	constant_power_B_reac	107.072	0.0	53.536	0.0
load	N_1800061740	constant_power_A	2702.92	888.406	1351.46	444.203
load	N_1800061740	constant_power_B	2702.92	888.406	1351.46	444.203
load	N_1800061740	constant_power_C	2702.92	888.406	1351.46	444.203
load	N_1800061740	constant_power_A_real	2702.92	0.0	1351.46	0.0
load	N_1800061740	constant_power_B_real	2702.92	0.0	1351.46	0.0
load	N_1800061740	constant_power_C_real	2702.92	0.0	1351.46	0.0
load	N_1800061740	constant_power_A_reac	888.406	0.0	444.203	0.0
load	N_1800061740	constant_power_B_reac	888.406	0.0	444.203	0.0
load	N_1800061740	constant_power_C_reac	888.406	0.0	444.203	0.0
load	N_1800004559	constant_power_A	1175.37	386.326	587.685	193.163
load	N_1800004559	constant_power_B	1175.37	386.326	587.685	193.163
load	N_1800004559	constant_power_A_real	1175.37	0.0	587.685	0.0
load	N_1800004559	constant_power_B_real	1175.37	0.0	587.685	0.0
load	N_1800004559	constant_power_A_reac	386.326	0.0	193.163	0.0
load	N_1800004559	constant_power_B_reac	386.326	0.0	193.163	0.0
load	N_1800004552	constant_power_A	619.235	212.929	309.6175	106.4645
load	N_1800004552	constant_power_B	619.235	212.929	309.6175	106.4645
load	N_1800004552	constant_power_C	619.235	212.929	309.6175	106.4645
load	N_1800004552	constant_power_A_real	619.235	0.0	309.6175	0.0
load	N_1800004552	constant_power_B_real	619.235	0.0	309.6175	0.0
load	N_1800004552	constant_power_C_real	619.235	0.0	309.6175	0.0
load	N_1800004552	constant_power_A_reac	212.929	0.0	106.4645	0.0
load	N_1800004552	constant_power_B_reac	212.929	0.0	106.4645	0.0
load	N_1800004552	constant_power_C_reac	212.929	0.0	106.4645	0.0
load	N_1800004553	constant_power_A	16778.0	10398.1	8389.0	5199.05
load	N_1800004553	constant_power_B	16778.0	10398.1	8389.0	5199.05
load	N_1800004553	constant_power_C	16778.0	10398.1	8389.0	5199.05
load	N_1800004553	constant_power_A_real	16778.0	0.0	8389.0	0.0
load	N_1800004553	constant_power_B_real	16778.0	0.0	8389.0	0.0
load	N_1800004553	constant_power_C_real	16778.0	0.0	8389.0	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800004553	constant_power_A_reac	10398.1	0.0	5199.05	0.0
load	N_1800004553	constant_power_B_reac	10398.1	0.0	5199.05	0.0
load	N_1800004553	constant_power_C_reac	10398.1	0.0	5199.05	0.0
load	N_1800004554	constant_power_A	8052.99	4990.8	4026.495	2495.4
load	N_1800004554	constant_power_B	8052.99	4990.8	4026.495	2495.4
load	N_1800004554	constant_power_C	8052.99	4990.8	4026.495	2495.4
load	N_1800004554	constant_power_A_real	8052.99	0.0	4026.495	0.0
load	N_1800004554	constant_power_B_real	8052.99	0.0	4026.495	0.0
load	N_1800004554	constant_power_C_real	8052.99	0.0	4026.495	0.0
load	N_1800004554	constant_power_A_reac	4990.8	0.0	2495.4	0.0
load	N_1800004554	constant_power_B_reac	4990.8	0.0	2495.4	0.0
load	N_1800004554	constant_power_C_reac	4990.8	0.0	2495.4	0.0
load	N_1800004555	constant_power_A	616.3	202.568	308.15	101.284
load	N_1800004555	constant_power_B	616.3	202.568	308.15	101.284
load	N_1800004555	constant_power_A_real	616.3	0.0	308.15	0.0
load	N_1800004555	constant_power_B_real	616.3	0.0	308.15	0.0
load	N_1800004555	constant_power_A_reac	202.568	0.0	101.284	0.0
load	N_1800004555	constant_power_B_reac	202.568	0.0	101.284	0.0
load	N_1800004557	constant_power_A	523.855	172.183	261.9275	86.0915
load	N_1800004557	constant_power_B	523.855	172.183	261.9275	86.0915
load	N_1800004557	constant_power_A_real	523.855	0.0	261.9275	0.0
load	N_1800004557	constant_power_B_real	523.855	0.0	261.9275	0.0
load	N_1800004557	constant_power_A_reac	172.183	0.0	86.0915	0.0
load	N_1800004557	constant_power_B_reac	172.183	0.0	86.0915	0.0
load	N_1800040581	constant_power_A	704.343	231.506	352.1715	115.753
load	N_1800040581	constant_power_C	704.343	231.506	352.1715	115.753
load	N_1800040581	constant_power_A_real	704.343	0.0	352.1715	0.0
load	N_1800040581	constant_power_C_real	704.343	0.0	352.1715	0.0
load	N_1800040581	constant_power_A_reac	231.506	0.0	115.753	0.0
load	N_1800040581	constant_power_C_reac	231.506	0.0	115.753	0.0
load	N_1800202702	constant_power_A	4275.95	2650.0	2137.975	1325.0
load	N_1800202702	constant_power_B	4275.95	2650.0	2137.975	1325.0
load	N_1800202702	constant_power_C	4275.95	2650.0	2137.975	1325.0
load	N_1800202702	constant_power_A_real	4275.95	0.0	2137.975	0.0
load	N_1800202702	constant_power_B_real	4275.95	0.0	2137.975	0.0
load	N_1800202702	constant_power_C_real	4275.95	0.0	2137.975	0.0
load	N_1800202702	constant_power_A_reac	2650.0	0.0	1325.0	0.0
load	N_1800202702	constant_power_B_reac	2650.0	0.0	1325.0	0.0
load	N_1800202702	constant_power_C_reac	2650.0	0.0	1325.0	0.0
load	N_1800021166	constant_power_A	4275.95	2650.0	2137.975	1325.0
load	N_1800021166	constant_power_B	4275.95	2650.0	2137.975	1325.0
load	N_1800021166	constant_power_C	4275.95	2650.0	2137.975	1325.0
load	N_1800021166	constant_power_A_real	4275.95	0.0	2137.975	0.0
load	N_1800021166	constant_power_B_real	4275.95	0.0	2137.975	0.0
load	N_1800021166	constant_power_C_real	4275.95	0.0	2137.975	0.0
load	N_1800021166	constant_power_A_reac	2650.0	0.0	1325.0	0.0
load	N_1800021166	constant_power_B_reac	2650.0	0.0	1325.0	0.0
load	N_1800021166	constant_power_C_reac	2650.0	0.0	1325.0	0.0
load	N_1800067844	constant_power_A	3697.8	1215.41	1848.9	607.705
load	N_1800067844	constant_power_B	3697.8	1215.41	1848.9	607.705
load	N_1800067844	constant_power_A_real	3697.8	0.0	1848.9	0.0
load	N_1800067844	constant_power_B_real	3697.8	0.0	1848.9	0.0
load	N_1800067844	constant_power_A_reac	1215.41	0.0	607.705	0.0
load	N_1800067844	constant_power_B_reac	1215.41	0.0	607.705	0.0
load	N_1800196135	constant_power_A	463.693	152.408	231.8465	76.204
load	N_1800196135	constant_power_B	463.693	152.408	231.8465	76.204
load	N_1800196135	constant_power_C	463.693	152.408	231.8465	76.204
load	N_1800196135	constant_power_A_real	463.693	0.0	231.8465	0.0
load	N_1800196135	constant_power_B_real	463.693	0.0	231.8465	0.0
load	N_1800196135	constant_power_C_real	463.693	0.0	231.8465	0.0
load	N_1800196135	constant_power_A_reac	152.408	0.0	76.204	0.0
load	N_1800196135	constant_power_B_reac	152.408	0.0	76.204	0.0
load	N_1800196135	constant_power_C_reac	152.408	0.0	76.204	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800040103	constant_power_A	2297.92	755.29	1148.96	377.645
load	N_1800040103	constant_power_B	2297.92	755.29	1148.96	377.645
load	N_1800040103	constant_power_A_real	2297.92	0.0	1148.96	0.0
load	N_1800040103	constant_power_B_real	2297.92	0.0	1148.96	0.0
load	N_1800040103	constant_power_A_reac	755.29	0.0	377.645	0.0
load	N_1800040103	constant_power_B_reac	755.29	0.0	377.645	0.0
load	N_1800037158	constant_power_A	1297.17	803.911	648.585	401.9555
load	N_1800037158	constant_power_B	1297.17	803.911	648.585	401.9555
load	N_1800037158	constant_power_C	1297.17	803.911	648.585	401.9555
load	N_1800037158	constant_power_A_real	1297.17	0.0	648.585	0.0
load	N_1800037158	constant_power_B_real	1297.17	0.0	648.585	0.0
load	N_1800037158	constant_power_C_real	1297.17	0.0	648.585	0.0
load	N_1800037158	constant_power_A_reac	803.911	0.0	401.9555	0.0
load	N_1800037158	constant_power_B_reac	803.911	0.0	401.9555	0.0
load	N_1800037158	constant_power_C_reac	803.911	0.0	401.9555	0.0
load	N_1800007779	constant_power_A	3147.53	1280.55	1573.765	640.275
load	N_1800007779	constant_power_B	3147.53	1280.55	1573.765	640.275
load	N_1800007779	constant_power_A_real	3147.53	0.0	1573.765	0.0
load	N_1800007779	constant_power_B_real	3147.53	0.0	1573.765	0.0
load	N_1800007779	constant_power_A_reac	1280.55	0.0	640.275	0.0
load	N_1800007779	constant_power_B_reac	1280.55	0.0	640.275	0.0
load	N_1800040105	constant_power_A	8769.08	2882.26	4384.54	1441.13
load	N_1800040105	constant_power_B	8769.08	2882.26	4384.54	1441.13
load	N_1800040105	constant_power_A_real	8769.08	0.0	4384.54	0.0
load	N_1800040105	constant_power_B_real	8769.08	0.0	4384.54	0.0
load	N_1800040105	constant_power_A_reac	2882.26	0.0	1441.13	0.0
load	N_1800040105	constant_power_B_reac	2882.26	0.0	1441.13	0.0
load	N_1800007777	constant_power_A	3110.85	1022.49	1555.425	511.245
load	N_1800007777	constant_power_B	3110.85	1022.49	1555.425	511.245
load	N_1800007777	constant_power_C	3110.85	1022.49	1555.425	511.245
load	N_1800007777	constant_power_A_real	3110.85	0.0	1555.425	0.0
load	N_1800007777	constant_power_B_real	3110.85	0.0	1555.425	0.0
load	N_1800007777	constant_power_C_real	3110.85	0.0	1555.425	0.0
load	N_1800007777	constant_power_A_reac	1022.49	0.0	511.245	0.0
load	N_1800007777	constant_power_B_reac	1022.49	0.0	511.245	0.0
load	N_1800007777	constant_power_C_reac	1022.49	0.0	511.245	0.0
load	N_1800037156	constant_power_A	1690.42	555.615	845.21	277.8075
load	N_1800037156	constant_power_B	1690.42	555.615	845.21	277.8075
load	N_1800037156	constant_power_C	1690.42	555.615	845.21	277.8075
load	N_1800037156	constant_power_A_real	1690.42	0.0	845.21	0.0
load	N_1800037156	constant_power_B_real	1690.42	0.0	845.21	0.0
load	N_1800037156	constant_power_C_real	1690.42	0.0	845.21	0.0
load	N_1800037156	constant_power_A_reac	555.615	0.0	277.8075	0.0
load	N_1800037156	constant_power_B_reac	555.615	0.0	277.8075	0.0
load	N_1800037156	constant_power_C_reac	555.615	0.0	277.8075	0.0
load	N_1800037157	constant_power_A	1508.47	495.81	754.235	247.905
load	N_1800037157	constant_power_B	1508.47	495.81	754.235	247.905
load	N_1800037157	constant_power_C	1508.47	495.81	754.235	247.905
load	N_1800037157	constant_power_A_real	1508.47	0.0	754.235	0.0
load	N_1800037157	constant_power_B_real	1508.47	0.0	754.235	0.0
load	N_1800037157	constant_power_C_real	1508.47	0.0	754.235	0.0
load	N_1800037157	constant_power_A_reac	495.81	0.0	247.905	0.0
load	N_1800037157	constant_power_B_reac	495.81	0.0	247.905	0.0
load	N_1800037157	constant_power_C_reac	495.81	0.0	247.905	0.0
load	N_1800007399	constant_power_A	2887.81	1038.87	1443.905	519.435
load	N_1800007399	constant_power_B	2887.81	1038.87	1443.905	519.435
load	N_1800007399	constant_power_A_real	2887.81	0.0	1443.905	0.0
load	N_1800007399	constant_power_B_real	2887.81	0.0	1443.905	0.0
load	N_1800007399	constant_power_A_reac	1038.87	0.0	519.435	0.0
load	N_1800007399	constant_power_B_reac	1038.87	0.0	519.435	0.0
load	N_1800035830	constant_power_A	3922.31	1289.2	1961.155	644.6
load	N_1800035830	constant_power_B	3922.31	1289.2	1961.155	644.6
load	N_1800035830	constant_power_A_real	3922.31	0.0	1961.155	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800035830	constant_power_B_real	3922.31	0.0	1961.155	0.0
load	N_1800035830	constant_power_A_reac	1289.2	0.0	644.6	0.0
load	N_1800035830	constant_power_B_reac	1289.2	0.0	644.6	0.0
load	N_1800042856	constant_power_A	287.607	94.5318	143.8035	47.2659
load	N_1800042856	constant_power_B	287.607	94.5318	143.8035	47.2659
load	N_1800042856	constant_power_C	287.607	94.5318	143.8035	47.2659
load	N_1800042856	constant_power_A_real	287.607	0.0	143.8035	0.0
load	N_1800042856	constant_power_B_real	287.607	0.0	143.8035	0.0
load	N_1800042856	constant_power_C_real	287.607	0.0	143.8035	0.0
load	N_1800042856	constant_power_A_reac	94.5318	0.0	47.2659	0.0
load	N_1800042856	constant_power_B_reac	94.5318	0.0	47.2659	0.0
load	N_1800042856	constant_power_C_reac	94.5318	0.0	47.2659	0.0
load	N_1800073273	constant_power_A	137.934	45.3367	68.967	22.66835
load	N_1800073273	constant_power_B	137.934	45.3367	68.967	22.66835
load	N_1800073273	constant_power_C	137.934	45.3367	68.967	22.66835
load	N_1800073273	constant_power_A_real	137.934	0.0	68.967	0.0
load	N_1800073273	constant_power_B_real	137.934	0.0	68.967	0.0
load	N_1800073273	constant_power_C_real	137.934	0.0	68.967	0.0
load	N_1800073273	constant_power_A_reac	45.3367	0.0	22.66835	0.0
load	N_1800073273	constant_power_B_reac	45.3367	0.0	22.66835	0.0
load	N_1800073273	constant_power_C_reac	45.3367	0.0	22.66835	0.0
load	N_1800073271	constant_power_A	349.237	114.789	174.6185	57.3945
load	N_1800073271	constant_power_B	349.237	114.789	174.6185	57.3945
load	N_1800073271	constant_power_C	349.237	114.789	174.6185	57.3945
load	N_1800073271	constant_power_A_real	349.237	0.0	174.6185	0.0
load	N_1800073271	constant_power_B_real	349.237	0.0	174.6185	0.0
load	N_1800073271	constant_power_C_real	349.237	0.0	174.6185	0.0
load	N_1800073271	constant_power_A_reac	114.789	0.0	57.3945	0.0
load	N_1800073271	constant_power_B_reac	114.789	0.0	57.3945	0.0
load	N_1800073271	constant_power_C_reac	114.789	0.0	57.3945	0.0
load	N_1800073270	constant_power_A	1696.29	568.649	848.145	284.3245
load	N_1800073270	constant_power_B	1696.29	568.649	848.145	284.3245
load	N_1800073270	constant_power_C	1696.29	568.649	848.145	284.3245
load	N_1800073270	constant_power_A_real	1696.29	0.0	848.145	0.0
load	N_1800073270	constant_power_B_real	1696.29	0.0	848.145	0.0
load	N_1800073270	constant_power_C_real	1696.29	0.0	848.145	0.0
load	N_1800073270	constant_power_A_reac	568.649	0.0	284.3245	0.0
load	N_1800073270	constant_power_B_reac	568.649	0.0	284.3245	0.0
load	N_1800073270	constant_power_C_reac	568.649	0.0	284.3245	0.0
load	N_1800073275	constant_power_A	698.474	229.577	349.237	114.7885
load	N_1800073275	constant_power_B	698.474	229.577	349.237	114.7885
load	N_1800073275	constant_power_C	698.474	229.577	349.237	114.7885
load	N_1800073275	constant_power_A_real	698.474	0.0	349.237	0.0
load	N_1800073275	constant_power_B_real	698.474	0.0	349.237	0.0
load	N_1800073275	constant_power_C_real	698.474	0.0	349.237	0.0
load	N_1800073275	constant_power_A_reac	229.577	0.0	114.7885	0.0
load	N_1800073275	constant_power_B_reac	229.577	0.0	114.7885	0.0
load	N_1800073275	constant_power_C_reac	229.577	0.0	114.7885	0.0
load	N_1800043588	constant_power_A	1423.36	812.93	711.68	406.465
load	N_1800043588	constant_power_B	1423.36	812.93	711.68	406.465
load	N_1800043588	constant_power_C	1423.36	812.93	711.68	406.465
load	N_1800043588	constant_power_A_real	1423.36	0.0	711.68	0.0
load	N_1800043588	constant_power_B_real	1423.36	0.0	711.68	0.0
load	N_1800043588	constant_power_C_real	1423.36	0.0	711.68	0.0
load	N_1800043588	constant_power_A_reac	812.93	0.0	406.465	0.0
load	N_1800043588	constant_power_B_reac	812.93	0.0	406.465	0.0
load	N_1800043588	constant_power_C_reac	812.93	0.0	406.465	0.0
load	N_1800067342	constant_power_A	1223.8	402.243	611.9	201.1215
load	N_1800067342	constant_power_B	1223.8	402.243	611.9	201.1215
load	N_1800067342	constant_power_C	1223.8	402.243	611.9	201.1215
load	N_1800067342	constant_power_A_real	1223.8	0.0	611.9	0.0
load	N_1800067342	constant_power_B_real	1223.8	0.0	611.9	0.0
load	N_1800067342	constant_power_C_real	1223.8	0.0	611.9	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067342	constant_power_A_reac	402.243	0.0	201.1215	0.0
load	N_1800067342	constant_power_B_reac	402.243	0.0	201.1215	0.0
load	N_1800067342	constant_power_C_reac	402.243	0.0	201.1215	0.0
load	N_1800007806	constant_power_A	3081.5	1489.48	1540.75	744.74
load	N_1800007806	constant_power_B	3081.5	1489.48	1540.75	744.74
load	N_1800007806	constant_power_A_real	3081.5	0.0	1540.75	0.0
load	N_1800007806	constant_power_B_real	3081.5	0.0	1540.75	0.0
load	N_1800007806	constant_power_A_reac	1489.48	0.0	744.74	0.0
load	N_1800007806	constant_power_B_reac	1489.48	0.0	744.74	0.0
load	N_1800067341	constant_power_A	804.125	264.303	402.0625	132.1515
load	N_1800067341	constant_power_B	804.125	264.303	402.0625	132.1515
load	N_1800067341	constant_power_C	804.125	264.303	402.0625	132.1515
load	N_1800067341	constant_power_A_real	804.125	0.0	402.0625	0.0
load	N_1800067341	constant_power_B_real	804.125	0.0	402.0625	0.0
load	N_1800067341	constant_power_C_real	804.125	0.0	402.0625	0.0
load	N_1800067341	constant_power_A_reac	264.303	0.0	132.1515	0.0
load	N_1800067341	constant_power_B_reac	264.303	0.0	132.1515	0.0
load	N_1800067341	constant_power_C_reac	264.303	0.0	132.1515	0.0
load	N_1800031247	constant_power_A	1458.58	479.411	729.29	239.7055
load	N_1800031247	constant_power_B	1458.58	479.411	729.29	239.7055
load	N_1800031247	constant_power_C	1458.58	479.411	729.29	239.7055
load	N_1800031247	constant_power_A_real	1458.58	0.0	729.29	0.0
load	N_1800031247	constant_power_B_real	1458.58	0.0	729.29	0.0
load	N_1800031247	constant_power_C_real	1458.58	0.0	729.29	0.0
load	N_1800031247	constant_power_A_reac	479.411	0.0	239.7055	0.0
load	N_1800031247	constant_power_B_reac	479.411	0.0	239.7055	0.0
load	N_1800031247	constant_power_C_reac	479.411	0.0	239.7055	0.0
load	N_1800031248	constant_power_A	308.15	101.284	154.075	50.642
load	N_1800031248	constant_power_B	308.15	101.284	154.075	50.642
load	N_1800031248	constant_power_C	308.15	101.284	154.075	50.642
load	N_1800031248	constant_power_A_real	308.15	0.0	154.075	0.0
load	N_1800031248	constant_power_B_real	308.15	0.0	154.075	0.0
load	N_1800031248	constant_power_C_real	308.15	0.0	154.075	0.0
load	N_1800031248	constant_power_A_reac	101.284	0.0	50.642	0.0
load	N_1800031248	constant_power_B_reac	101.284	0.0	50.642	0.0
load	N_1800031248	constant_power_C_reac	101.284	0.0	50.642	0.0
load	N_1800031249	constant_power_A	3658.18	1202.39	1829.09	601.195
load	N_1800031249	constant_power_B	3658.18	1202.39	1829.09	601.195
load	N_1800031249	constant_power_A_real	3658.18	0.0	1829.09	0.0
load	N_1800031249	constant_power_B_real	3658.18	0.0	1829.09	0.0
load	N_1800031249	constant_power_A_reac	1202.39	0.0	601.195	0.0
load	N_1800031249	constant_power_B_reac	1202.39	0.0	601.195	0.0
load	N_1800073116	constant_power_A	2861.39	940.495	1430.695	470.2475
load	N_1800073116	constant_power_B	2861.39	940.495	1430.695	470.2475
load	N_1800073116	constant_power_A_real	2861.39	0.0	1430.695	0.0
load	N_1800073116	constant_power_B_real	2861.39	0.0	1430.695	0.0
load	N_1800073116	constant_power_A_reac	940.495	0.0	470.2475	0.0
load	N_1800073116	constant_power_B_reac	940.495	0.0	470.2475	0.0
load	N_1800073117	constant_power_A	1853.3	609.151	926.65	304.5755
load	N_1800073117	constant_power_B	1853.3	609.151	926.65	304.5755
load	N_1800073117	constant_power_A_real	1853.3	0.0	926.65	0.0
load	N_1800073117	constant_power_B_real	1853.3	0.0	926.65	0.0
load	N_1800073117	constant_power_A_reac	609.151	0.0	304.5755	0.0
load	N_1800073117	constant_power_B_reac	609.151	0.0	304.5755	0.0
load	N_1800073114	constant_power_A	809.995	266.232	404.9975	133.116
load	N_1800073114	constant_power_B	809.995	266.232	404.9975	133.116
load	N_1800073114	constant_power_A_real	809.995	0.0	404.9975	0.0
load	N_1800073114	constant_power_B_real	809.995	0.0	404.9975	0.0
load	N_1800073114	constant_power_A_reac	266.232	0.0	133.116	0.0
load	N_1800073114	constant_power_B_reac	266.232	0.0	133.116	0.0
load	N_1800073115	constant_power_A	2121.83	697.413	1060.915	348.7065
load	N_1800073115	constant_power_B	2121.83	697.413	1060.915	348.7065
load	N_1800073115	constant_power_A_real	2121.83	0.0	1060.915	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073115	constant_power_B_real	2121.83	0.0	1060.915	0.0
load	N_1800073115	constant_power_A_reac	697.413	0.0	348.7065	0.0
load	N_1800073115	constant_power_B_reac	697.413	0.0	348.7065	0.0
load	N_1800073112	constant_power_A	1003.69	329.897	501.845	164.9485
load	N_1800073112	constant_power_B	1003.69	329.897	501.845	164.9485
load	N_1800073112	constant_power_A_real	1003.69	0.0	501.845	0.0
load	N_1800073112	constant_power_B_real	1003.69	0.0	501.845	0.0
load	N_1800073112	constant_power_A_reac	329.897	0.0	164.9485	0.0
load	N_1800073112	constant_power_B_reac	329.897	0.0	164.9485	0.0
load	N_1800081941	constant_power_A	1584.77	661.832	792.385	330.916
load	N_1800081941	constant_power_C	1584.77	661.832	792.385	330.916
load	N_1800081941	constant_power_A_real	1584.77	0.0	792.385	0.0
load	N_1800081941	constant_power_C_real	1584.77	0.0	792.385	0.0
load	N_1800081941	constant_power_A_reac	661.832	0.0	330.916	0.0
load	N_1800081941	constant_power_C_reac	661.832	0.0	330.916	0.0
load	N_1800073111	constant_power_A	1681.62	552.722	840.81	276.361
load	N_1800073111	constant_power_B	1681.62	552.722	840.81	276.361
load	N_1800073111	constant_power_A_real	1681.62	0.0	840.81	0.0
load	N_1800073111	constant_power_B_real	1681.62	0.0	840.81	0.0
load	N_1800073111	constant_power_A_reac	552.722	0.0	276.361	0.0
load	N_1800073111	constant_power_B_reac	552.722	0.0	276.361	0.0
load	N_1800072425	constant_power_A	387.389	127.329	193.6945	63.6645
load	N_1800072425	constant_power_B	387.389	127.329	193.6945	63.6645
load	N_1800072425	constant_power_C	387.389	127.329	193.6945	63.6645
load	N_1800072425	constant_power_A_real	387.389	0.0	193.6945	0.0
load	N_1800072425	constant_power_B_real	387.389	0.0	193.6945	0.0
load	N_1800072425	constant_power_C_real	387.389	0.0	193.6945	0.0
load	N_1800072425	constant_power_A_reac	127.329	0.0	63.6645	0.0
load	N_1800072425	constant_power_B_reac	127.329	0.0	63.6645	0.0
load	N_1800072425	constant_power_C_reac	127.329	0.0	63.6645	0.0
load	N_1800072427	constant_power_A	4978.83	2596.15	2489.415	1298.075
load	N_1800072427	constant_power_B	4978.83	2596.15	2489.415	1298.075
load	N_1800072427	constant_power_A_real	4978.83	0.0	2489.415	0.0
load	N_1800072427	constant_power_B_real	4978.83	0.0	2489.415	0.0
load	N_1800072427	constant_power_A_reac	2596.15	0.0	1298.075	0.0
load	N_1800072427	constant_power_B_reac	2596.15	0.0	1298.075	0.0
load	N_1800027915	constant_power_A	884.831	290.83	442.4155	145.415
load	N_1800027915	constant_power_B	884.831	290.83	442.4155	145.415
load	N_1800027915	constant_power_A_real	884.831	0.0	442.4155	0.0
load	N_1800027915	constant_power_B_real	884.831	0.0	442.4155	0.0
load	N_1800027915	constant_power_A_reac	290.83	0.0	145.415	0.0
load	N_1800027915	constant_power_B_reac	290.83	0.0	145.415	0.0
load	N_1800009219	constant_power_A	1044.78	343.401	522.39	171.7005
load	N_1800009219	constant_power_B	1044.78	343.401	522.39	171.7005
load	N_1800009219	constant_power_C	1044.78	343.401	522.39	171.7005
load	N_1800009219	constant_power_A_real	1044.78	0.0	522.39	0.0
load	N_1800009219	constant_power_B_real	1044.78	0.0	522.39	0.0
load	N_1800009219	constant_power_C_real	1044.78	0.0	522.39	0.0
load	N_1800009219	constant_power_A_reac	343.401	0.0	171.7005	0.0
load	N_1800009219	constant_power_B_reac	343.401	0.0	171.7005	0.0
load	N_1800009219	constant_power_C_reac	343.401	0.0	171.7005	0.0
load	N_1800081548	constant_power_A	927.385	574.742	463.6925	287.371
load	N_1800081548	constant_power_B	927.385	574.742	463.6925	287.371
load	N_1800081548	constant_power_C	927.385	574.742	463.6925	287.371
load	N_1800081548	constant_power_A_real	927.385	0.0	463.6925	0.0
load	N_1800081548	constant_power_B_real	927.385	0.0	463.6925	0.0
load	N_1800081548	constant_power_C_real	927.385	0.0	463.6925	0.0
load	N_1800081548	constant_power_A_reac	574.742	0.0	287.371	0.0
load	N_1800081548	constant_power_B_reac	574.742	0.0	287.371	0.0
load	N_1800081548	constant_power_C_reac	574.742	0.0	287.371	0.0
load	N_1800047909	constant_power_A	8830.7	2902.51	4415.35	1451.255
load	N_1800047909	constant_power_B	8830.7	2902.51	4415.35	1451.255
load	N_1800047909	constant_power_A_real	8830.7	0.0	4415.35	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800047909	constant_power_B_real	8830.7	0.0	4415.35	0.0
load	N_1800047909	constant_power_A_reac	2902.51	0.0	1451.255	0.0
load	N_1800047909	constant_power_B_reac	2902.51	0.0	1451.255	0.0
load	N_1800019422	constant_power_A	2394.77	787.122	1197.385	393.561
load	N_1800019422	constant_power_B	2394.77	787.122	1197.385	393.561
load	N_1800019422	constant_power_A_real	2394.77	0.0	1197.385	0.0
load	N_1800019422	constant_power_B_real	2394.77	0.0	1197.385	0.0
load	N_1800019422	constant_power_A_reac	787.122	0.0	393.561	0.0
load	N_1800019422	constant_power_B_reac	787.122	0.0	393.561	0.0
load	N_1800081547	constant_power_A	956.733	592.93	478.3665	296.465
load	N_1800081547	constant_power_B	956.733	592.93	478.3665	296.465
load	N_1800081547	constant_power_C	956.733	592.93	478.3665	296.465
load	N_1800081547	constant_power_A_real	956.733	0.0	478.3665	0.0
load	N_1800081547	constant_power_B_real	956.733	0.0	478.3665	0.0
load	N_1800081547	constant_power_C_real	956.733	0.0	478.3665	0.0
load	N_1800081547	constant_power_A_reac	592.93	0.0	296.465	0.0
load	N_1800081547	constant_power_B_reac	592.93	0.0	296.465	0.0
load	N_1800081547	constant_power_C_reac	592.93	0.0	296.465	0.0
load	N_1800034541	constant_power_A	41271.0	25577.5	20635.5	12788.75
load	N_1800034541	constant_power_B	41271.0	25577.5	20635.5	12788.75
load	N_1800034541	constant_power_C	41271.0	25577.5	20635.5	12788.75
load	N_1800034541	constant_power_A_real	41271.0	0.0	20635.5	0.0
load	N_1800034541	constant_power_B_real	41271.0	0.0	20635.5	0.0
load	N_1800034541	constant_power_C_real	41271.0	0.0	20635.5	0.0
load	N_1800034541	constant_power_A_reac	25577.5	0.0	12788.75	0.0
load	N_1800034541	constant_power_B_reac	25577.5	0.0	12788.75	0.0
load	N_1800034541	constant_power_C_reac	25577.5	0.0	12788.75	0.0
load	N_1800019420	constant_power_A	1722.71	601.248	861.355	300.624
load	N_1800019420	constant_power_B	1722.71	601.248	861.355	300.624
load	N_1800019420	constant_power_C	1722.71	601.248	861.355	300.624
load	N_1800019420	constant_power_A_real	1722.71	0.0	861.355	0.0
load	N_1800019420	constant_power_B_real	1722.71	0.0	861.355	0.0
load	N_1800019420	constant_power_C_real	1722.71	0.0	861.355	0.0
load	N_1800019420	constant_power_A_reac	601.248	0.0	300.624	0.0
load	N_1800019420	constant_power_B_reac	601.248	0.0	300.624	0.0
load	N_1800019420	constant_power_C_reac	601.248	0.0	300.624	0.0
load	N_1800032682	constant_power_A	1035.97	340.507	517.985	170.2535
load	N_1800032682	constant_power_B	1035.97	340.507	517.985	170.2535
load	N_1800032682	constant_power_C	1035.97	340.507	517.985	170.2535
load	N_1800032682	constant_power_A_real	1035.97	0.0	517.985	0.0
load	N_1800032682	constant_power_B_real	1035.97	0.0	517.985	0.0
load	N_1800032682	constant_power_C_real	1035.97	0.0	517.985	0.0
load	N_1800032682	constant_power_A_reac	340.507	0.0	170.2535	0.0
load	N_1800032682	constant_power_B_reac	340.507	0.0	170.2535	0.0
load	N_1800032682	constant_power_C_reac	340.507	0.0	170.2535	0.0
load	N_1800080763	constant_power_A	1804.88	1118.56	902.44	559.28
load	N_1800080763	constant_power_B	1804.88	1118.56	902.44	559.28
load	N_1800080763	constant_power_C	1804.88	1118.56	902.44	559.28
load	N_1800080763	constant_power_A_real	1804.88	0.0	902.44	0.0
load	N_1800080763	constant_power_B_real	1804.88	0.0	902.44	0.0
load	N_1800080763	constant_power_C_real	1804.88	0.0	902.44	0.0
load	N_1800080763	constant_power_A_reac	1118.56	0.0	559.28	0.0
load	N_1800080763	constant_power_B_reac	1118.56	0.0	559.28	0.0
load	N_1800080763	constant_power_C_reac	1118.56	0.0	559.28	0.0
load	N_1800047902	constant_power_A	3909.11	1284.86	1954.555	642.43
load	N_1800047902	constant_power_B	3909.11	1284.86	1954.555	642.43
load	N_1800047902	constant_power_A_real	3909.11	0.0	1954.555	0.0
load	N_1800047902	constant_power_B_real	3909.11	0.0	1954.555	0.0
load	N_1800047902	constant_power_A_reac	1284.86	0.0	642.43	0.0
load	N_1800047902	constant_power_B_reac	1284.86	0.0	642.43	0.0
load	N_1800069345	constant_power_A	567.877	186.652	283.9385	93.326
load	N_1800069345	constant_power_B	567.877	186.652	283.9385	93.326
load	N_1800069345	constant_power_A_real	567.877	0.0	283.9385	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069345	constant_power_B_real	567.877	0.0	283.9385	0.0
load	N_1800069345	constant_power_A_reac	186.652	0.0	93.326	0.0
load	N_1800069345	constant_power_B_reac	186.652	0.0	93.326	0.0
load	N_1800069003	constant_power_A	1077.06	354.012	538.53	177.006
load	N_1800069003	constant_power_B	1077.06	354.012	538.53	177.006
load	N_1800069003	constant_power_C	1077.06	354.012	538.53	177.006
load	N_1800069003	constant_power_A_real	1077.06	0.0	538.53	0.0
load	N_1800069003	constant_power_B_real	1077.06	0.0	538.53	0.0
load	N_1800069003	constant_power_C_real	1077.06	0.0	538.53	0.0
load	N_1800069003	constant_power_A_reac	354.012	0.0	177.006	0.0
load	N_1800069003	constant_power_B_reac	354.012	0.0	177.006	0.0
load	N_1800069003	constant_power_C_reac	354.012	0.0	177.006	0.0
load	N_1800069002	constant_power_A	839.343	275.879	419.6715	137.9395
load	N_1800069002	constant_power_B	839.343	275.879	419.6715	137.9395
load	N_1800069002	constant_power_C	839.343	275.879	419.6715	137.9395
load	N_1800069002	constant_power_A_real	839.343	0.0	419.6715	0.0
load	N_1800069002	constant_power_B_real	839.343	0.0	419.6715	0.0
load	N_1800069002	constant_power_C_real	839.343	0.0	419.6715	0.0
load	N_1800069002	constant_power_A_reac	275.879	0.0	137.9395	0.0
load	N_1800069002	constant_power_B_reac	275.879	0.0	137.9395	0.0
load	N_1800069002	constant_power_C_reac	275.879	0.0	137.9395	0.0
load	N_1800197349	constant_power_A	1192.98	392.114	596.49	196.057
load	N_1800197349	constant_power_B	1192.98	392.114	596.49	196.057
load	N_1800197349	constant_power_A_real	1192.98	0.0	596.49	0.0
load	N_1800197349	constant_power_B_real	1192.98	0.0	596.49	0.0
load	N_1800197349	constant_power_A_reac	392.114	0.0	196.057	0.0
load	N_1800197349	constant_power_B_reac	392.114	0.0	196.057	0.0
load	N_1800069346	constant_power_A	1668.41	548.381	834.205	274.1905
load	N_1800069346	constant_power_B	1668.41	548.381	834.205	274.1905
load	N_1800069346	constant_power_A_real	1668.41	0.0	834.205	0.0
load	N_1800069346	constant_power_B_real	1668.41	0.0	834.205	0.0
load	N_1800069346	constant_power_A_reac	548.381	0.0	274.1905	0.0
load	N_1800069346	constant_power_B_reac	548.381	0.0	274.1905	0.0
load	N_1800035493	constant_power_A	867.223	285.042	433.6115	142.521
load	N_1800035493	constant_power_B	867.223	285.042	433.6115	142.521
load	N_1800035493	constant_power_A_real	867.223	0.0	433.6115	0.0
load	N_1800035493	constant_power_B_real	867.223	0.0	433.6115	0.0
load	N_1800035493	constant_power_A_reac	285.042	0.0	142.521	0.0
load	N_1800035493	constant_power_B_reac	285.042	0.0	142.521	0.0
load	N_1800035492	constant_power_A	1012.49	332.791	506.245	166.3955
load	N_1800035492	constant_power_B	1012.49	332.791	506.245	166.3955
load	N_1800035492	constant_power_A_real	1012.49	0.0	506.245	0.0
load	N_1800035492	constant_power_B_real	1012.49	0.0	506.245	0.0
load	N_1800035492	constant_power_A_reac	332.791	0.0	166.3955	0.0
load	N_1800035492	constant_power_B_reac	332.791	0.0	166.3955	0.0
load	N_1800073060	constant_power_A	5150.51	1692.89	2575.255	846.445
load	N_1800073060	constant_power_B	5150.51	1692.89	2575.255	846.445
load	N_1800073060	constant_power_A_real	5150.51	0.0	2575.255	0.0
load	N_1800073060	constant_power_B_real	5150.51	0.0	2575.255	0.0
load	N_1800073060	constant_power_A_reac	1692.89	0.0	846.445	0.0
load	N_1800073060	constant_power_B_reac	1692.89	0.0	846.445	0.0
load	N_1800039320	constant_power_A	1461.51	480.376	730.755	240.188
load	N_1800039320	constant_power_B	1461.51	480.376	730.755	240.188
load	N_1800039320	constant_power_A_real	1461.51	0.0	730.755	0.0
load	N_1800039320	constant_power_B_real	1461.51	0.0	730.755	0.0
load	N_1800039320	constant_power_A_reac	480.376	0.0	240.188	0.0
load	N_1800039320	constant_power_B_reac	480.376	0.0	240.188	0.0
load	N_1800073258	constant_power_A	4855.57	1595.95	2427.785	797.975
load	N_1800073258	constant_power_B	4855.57	1595.95	2427.785	797.975
load	N_1800073258	constant_power_A_real	4855.57	0.0	2427.785	0.0
load	N_1800073258	constant_power_B_real	4855.57	0.0	2427.785	0.0
load	N_1800073258	constant_power_A_reac	1595.95	0.0	797.975	0.0
load	N_1800073258	constant_power_B_reac	1595.95	0.0	797.975	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067935	constant_power_A	1910.53	627.961	955.265	313.9805
load	N_1800067935	constant_power_B	1910.53	627.961	955.265	313.9805
load	N_1800067935	constant_power_A_real	1910.53	0.0	955.265	0.0
load	N_1800067935	constant_power_B_real	1910.53	0.0	955.265	0.0
load	N_1800067935	constant_power_A_reac	627.961	0.0	313.9805	0.0
load	N_1800067935	constant_power_B_reac	627.961	0.0	313.9805	0.0
load	N_1800009214	constant_power_A	272.933	89.7087	136.4665	44.85435
load	N_1800009214	constant_power_B	272.933	89.7087	136.4665	44.85435
load	N_1800009214	constant_power_C	272.933	89.7087	136.4665	44.85435
load	N_1800009214	constant_power_A_real	272.933	0.0	136.4665	0.0
load	N_1800009214	constant_power_B_real	272.933	0.0	136.4665	0.0
load	N_1800009214	constant_power_C_real	272.933	0.0	136.4665	0.0
load	N_1800009214	constant_power_A_reac	89.7087	0.0	44.85435	0.0
load	N_1800009214	constant_power_B_reac	89.7087	0.0	44.85435	0.0
load	N_1800009214	constant_power_C_reac	89.7087	0.0	44.85435	0.0
load	N_1800069075	constant_power_A	13.206	4.3406	6.603	2.1703
load	N_1800069075	constant_power_B	13.206	4.3406	6.603	2.1703
load	N_1800069075	constant_power_A_real	13.206	0.0	6.603	0.0
load	N_1800069075	constant_power_B_real	13.206	0.0	6.603	0.0
load	N_1800069075	constant_power_A_reac	4.3406	0.0	2.1703	0.0
load	N_1800069075	constant_power_B_reac	4.3406	0.0	2.1703	0.0
load	N_1800069833	constant_power_A	3085.9	1014.29	1542.95	507.145
load	N_1800069833	constant_power_B	3085.9	1014.29	1542.95	507.145
load	N_1800069833	constant_power_A_real	3085.9	0.0	1542.95	0.0
load	N_1800069833	constant_power_B_real	3085.9	0.0	1542.95	0.0
load	N_1800069833	constant_power_A_reac	1014.29	0.0	507.145	0.0
load	N_1800069833	constant_power_B_reac	1014.29	0.0	507.145	0.0
load	N_1800034308	constant_power_A	669.126	219.931	334.563	109.9655
load	N_1800034308	constant_power_B	669.126	219.931	334.563	109.9655
load	N_1800034308	constant_power_C	669.126	219.931	334.563	109.9655
load	N_1800034308	constant_power_A_real	669.126	0.0	334.563	0.0
load	N_1800034308	constant_power_B_real	669.126	0.0	334.563	0.0
load	N_1800034308	constant_power_C_real	669.126	0.0	334.563	0.0
load	N_1800034308	constant_power_A_reac	219.931	0.0	109.9655	0.0
load	N_1800034308	constant_power_B_reac	219.931	0.0	109.9655	0.0
load	N_1800034308	constant_power_C_reac	219.931	0.0	109.9655	0.0
load	N_1800038330	constant_power_A	1643.47	540.182	821.735	270.091
load	N_1800038330	constant_power_B	1643.47	540.182	821.735	270.091
load	N_1800038330	constant_power_C	1643.47	540.182	821.735	270.091
load	N_1800038330	constant_power_A_real	1643.47	0.0	821.735	0.0
load	N_1800038330	constant_power_B_real	1643.47	0.0	821.735	0.0
load	N_1800038330	constant_power_C_real	1643.47	0.0	821.735	0.0
load	N_1800038330	constant_power_A_reac	540.182	0.0	270.091	0.0
load	N_1800038330	constant_power_B_reac	540.182	0.0	270.091	0.0
load	N_1800038330	constant_power_C_reac	540.182	0.0	270.091	0.0
load	N_1800047904	constant_power_A	334.563	109.966	167.2815	54.983
load	N_1800047904	constant_power_B	334.563	109.966	167.2815	54.983
load	N_1800047904	constant_power_A_real	334.563	0.0	167.2815	0.0
load	N_1800047904	constant_power_B_real	334.563	0.0	167.2815	0.0
load	N_1800047904	constant_power_A_reac	109.966	0.0	54.983	0.0
load	N_1800047904	constant_power_B_reac	109.966	0.0	54.983	0.0
load	N_1800029293	constant_power_A	745.43	245.011	372.715	122.5055
load	N_1800029293	constant_power_B	745.43	245.011	372.715	122.5055
load	N_1800029293	constant_power_C	745.43	245.011	372.715	122.5055
load	N_1800029293	constant_power_A_real	745.43	0.0	372.715	0.0
load	N_1800029293	constant_power_B_real	745.43	0.0	372.715	0.0
load	N_1800029293	constant_power_C_real	745.43	0.0	372.715	0.0
load	N_1800029293	constant_power_A_reac	245.011	0.0	122.5055	0.0
load	N_1800029293	constant_power_B_reac	245.011	0.0	122.5055	0.0
load	N_1800029293	constant_power_C_reac	245.011	0.0	122.5055	0.0
load	N_1800034307	constant_power_A	2793.9	1356.51	1396.95	678.255
load	N_1800034307	constant_power_B	2793.9	1356.51	1396.95	678.255
load	N_1800034307	constant_power_C	2793.9	1356.51	1396.95	678.255

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034307	constant_power_A_real	2793.9	0.0	1396.95	0.0
load	N_1800034307	constant_power_B_real	2793.9	0.0	1396.95	0.0
load	N_1800034307	constant_power_C_real	2793.9	0.0	1396.95	0.0
load	N_1800034307	constant_power_A_reac	1356.51	0.0	678.255	0.0
load	N_1800034307	constant_power_B_reac	1356.51	0.0	678.255	0.0
load	N_1800034307	constant_power_C_reac	1356.51	0.0	678.255	0.0
load	N_1800073739	constant_power_A	664.724	218.484	332.362	109.242
load	N_1800073739	constant_power_B	664.724	218.484	332.362	109.242
load	N_1800073739	constant_power_A_real	664.724	0.0	332.362	0.0
load	N_1800073739	constant_power_B_real	664.724	0.0	332.362	0.0
load	N_1800073739	constant_power_A_reac	218.484	0.0	109.242	0.0
load	N_1800073739	constant_power_B_reac	218.484	0.0	109.242	0.0
load	N_1800067962	constant_power_A	1596.51	533.29	798.255	266.645
load	N_1800067962	constant_power_B	1596.51	533.29	798.255	266.645
load	N_1800067962	constant_power_C	1596.51	533.29	798.255	266.645
load	N_1800067962	constant_power_A_real	1596.51	0.0	798.255	0.0
load	N_1800067962	constant_power_B_real	1596.51	0.0	798.255	0.0
load	N_1800067962	constant_power_C_real	1596.51	0.0	798.255	0.0
load	N_1800067962	constant_power_A_reac	533.29	0.0	266.645	0.0
load	N_1800067962	constant_power_B_reac	533.29	0.0	266.645	0.0
load	N_1800067962	constant_power_C_reac	533.29	0.0	266.645	0.0
load	N_1800038183	constant_power_A	1593.58	523.783	796.79	261.8915
load	N_1800038183	constant_power_B	1593.58	523.783	796.79	261.8915
load	N_1800038183	constant_power_A_real	1593.58	0.0	796.79	0.0
load	N_1800038183	constant_power_B_real	1593.58	0.0	796.79	0.0
load	N_1800038183	constant_power_A_reac	523.783	0.0	261.8915	0.0
load	N_1800038183	constant_power_B_reac	523.783	0.0	261.8915	0.0
load	N_1800067969	constant_power_A	964.07	316.874	482.035	158.437
load	N_1800067969	constant_power_B	964.07	316.874	482.035	158.437
load	N_1800067969	constant_power_A_real	964.07	0.0	482.035	0.0
load	N_1800067969	constant_power_B_real	964.07	0.0	482.035	0.0
load	N_1800067969	constant_power_A_reac	316.874	0.0	158.437	0.0
load	N_1800067969	constant_power_B_reac	316.874	0.0	158.437	0.0
load	N_1800070776	constant_power_A	506.247	166.395	253.1235	83.1975
load	N_1800070776	constant_power_B	506.247	166.395	253.1235	83.1975
load	N_1800070776	constant_power_A_real	506.247	0.0	253.1235	0.0
load	N_1800070776	constant_power_B_real	506.247	0.0	253.1235	0.0
load	N_1800070776	constant_power_A_reac	166.395	0.0	83.1975	0.0
load	N_1800070776	constant_power_B_reac	166.395	0.0	83.1975	0.0
load	N_1800068623	constant_power_A	902.44	296.618	451.22	148.309
load	N_1800068623	constant_power_B	902.44	296.618	451.22	148.309
load	N_1800068623	constant_power_A_real	902.44	0.0	451.22	0.0
load	N_1800068623	constant_power_B_real	902.44	0.0	451.22	0.0
load	N_1800068623	constant_power_A_reac	296.618	0.0	148.309	0.0
load	N_1800068623	constant_power_B_reac	296.618	0.0	148.309	0.0
load	N_1800069137	constant_power_A	1316.24	432.628	658.12	216.314
load	N_1800069137	constant_power_B	1316.24	432.628	658.12	216.314
load	N_1800069137	constant_power_A_real	1316.24	0.0	658.12	0.0
load	N_1800069137	constant_power_B_real	1316.24	0.0	658.12	0.0
load	N_1800069137	constant_power_A_reac	432.628	0.0	216.314	0.0
load	N_1800069137	constant_power_B_reac	432.628	0.0	216.314	0.0
load	N_1800069135	constant_power_A	777.712	255.622	388.856	127.811
load	N_1800069135	constant_power_B	777.712	255.622	388.856	127.811
load	N_1800069135	constant_power_C	777.712	255.622	388.856	127.811
load	N_1800069135	constant_power_A_real	777.712	0.0	388.856	0.0
load	N_1800069135	constant_power_B_real	777.712	0.0	388.856	0.0
load	N_1800069135	constant_power_C_real	777.712	0.0	388.856	0.0
load	N_1800069135	constant_power_A_reac	255.622	0.0	127.811	0.0
load	N_1800069135	constant_power_B_reac	255.622	0.0	127.811	0.0
load	N_1800069135	constant_power_C_reac	255.622	0.0	127.811	0.0
load	N_1800069134	constant_power_A	2409.44	791.945	1204.72	395.9725
load	N_1800069134	constant_power_B	2409.44	791.945	1204.72	395.9725
load	N_1800069134	constant_power_C	2409.44	791.945	1204.72	395.9725

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069134	constant_power_A_real	2409.44	0.0	1204.72	0.0
load	N_1800069134	constant_power_B_real	2409.44	0.0	1204.72	0.0
load	N_1800069134	constant_power_C_real	2409.44	0.0	1204.72	0.0
load	N_1800069134	constant_power_A_reac	791.945	0.0	395.9725	0.0
load	N_1800069134	constant_power_B_reac	791.945	0.0	395.9725	0.0
load	N_1800069134	constant_power_C_reac	791.945	0.0	395.9725	0.0
load	N_1800069133	constant_power_A	352.172	115.753	176.086	57.8765
load	N_1800069133	constant_power_B	352.172	115.753	176.086	57.8765
load	N_1800069133	constant_power_C	352.172	115.753	176.086	57.8765
load	N_1800069133	constant_power_A_real	352.172	0.0	176.086	0.0
load	N_1800069133	constant_power_B_real	352.172	0.0	176.086	0.0
load	N_1800069133	constant_power_C_real	352.172	0.0	176.086	0.0
load	N_1800069133	constant_power_A_reac	115.753	0.0	57.8765	0.0
load	N_1800069133	constant_power_B_reac	115.753	0.0	57.8765	0.0
load	N_1800069133	constant_power_C_reac	115.753	0.0	57.8765	0.0
load	N_1800041506	constant_power_A	1325.05	435.522	662.525	217.761
load	N_1800041506	constant_power_B	1325.05	435.522	662.525	217.761
load	N_1800041506	constant_power_A_real	1325.05	0.0	662.525	0.0
load	N_1800041506	constant_power_B_real	1325.05	0.0	662.525	0.0
load	N_1800041506	constant_power_A_reac	435.522	0.0	217.761	0.0
load	N_1800041506	constant_power_B_reac	435.522	0.0	217.761	0.0
load	N_1800069139	constant_power_A	117.391	72.7522	58.6955	36.3761
load	N_1800069139	constant_power_B	117.391	72.7522	58.6955	36.3761
load	N_1800069139	constant_power_C	117.391	72.7522	58.6955	36.3761
load	N_1800069139	constant_power_A_real	117.391	0.0	58.6955	0.0
load	N_1800069139	constant_power_B_real	117.391	0.0	58.6955	0.0
load	N_1800069139	constant_power_C_real	117.391	0.0	58.6955	0.0
load	N_1800069139	constant_power_A_reac	72.7522	0.0	36.3761	0.0
load	N_1800069139	constant_power_B_reac	72.7522	0.0	36.3761	0.0
load	N_1800069139	constant_power_C_reac	72.7522	0.0	36.3761	0.0
load	N_1800069138	constant_power_A	927.385	304.817	463.6925	152.4085
load	N_1800069138	constant_power_B	927.385	304.817	463.6925	152.4085
load	N_1800069138	constant_power_C	927.385	304.817	463.6925	152.4085
load	N_1800069138	constant_power_A_real	927.385	0.0	463.6925	0.0
load	N_1800069138	constant_power_B_real	927.385	0.0	463.6925	0.0
load	N_1800069138	constant_power_C_real	927.385	0.0	463.6925	0.0
load	N_1800069138	constant_power_A_reac	304.817	0.0	152.4085	0.0
load	N_1800069138	constant_power_B_reac	304.817	0.0	152.4085	0.0
load	N_1800069138	constant_power_C_reac	304.817	0.0	152.4085	0.0
load	N_1800072605	constant_power_A	5954.64	3690.35	2977.32	1845.175
load	N_1800072605	constant_power_B	5954.64	3690.35	2977.32	1845.175
load	N_1800072605	constant_power_C	5954.64	3690.35	2977.32	1845.175
load	N_1800072605	constant_power_A_real	5954.64	0.0	2977.32	0.0
load	N_1800072605	constant_power_B_real	5954.64	0.0	2977.32	0.0
load	N_1800072605	constant_power_C_real	5954.64	0.0	2977.32	0.0
load	N_1800072605	constant_power_A_reac	3690.35	0.0	1845.175	0.0
load	N_1800072605	constant_power_B_reac	3690.35	0.0	1845.175	0.0
load	N_1800072605	constant_power_C_reac	3690.35	0.0	1845.175	0.0
load	N_1800072604	constant_power_A	5.86967	3.63769	2.934835	1.818845
load	N_1800072604	constant_power_B	5.86967	3.63769	2.934835	1.818845
load	N_1800072604	constant_power_C	5.86967	3.63769	2.934835	1.818845
load	N_1800072604	constant_power_A_real	5.86967	0.0	2.934835	0.0
load	N_1800072604	constant_power_B_real	5.86967	0.0	2.934835	0.0
load	N_1800072604	constant_power_C_real	5.86967	0.0	2.934835	0.0
load	N_1800072604	constant_power_A_reac	3.63769	0.0	1.818845	0.0
load	N_1800072604	constant_power_B_reac	3.63769	0.0	1.818845	0.0
load	N_1800072604	constant_power_C_reac	3.63769	0.0	1.818845	0.0
load	N_1800072607	constant_power_A	821.734	270.091	410.867	135.0455
load	N_1800072607	constant_power_B	821.734	270.091	410.867	135.0455
load	N_1800072607	constant_power_C	821.734	270.091	410.867	135.0455
load	N_1800072607	constant_power_A_real	821.734	0.0	410.867	0.0
load	N_1800072607	constant_power_B_real	821.734	0.0	410.867	0.0
load	N_1800072607	constant_power_C_real	821.734	0.0	410.867	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072607	constant_power_A_reac	270.091	0.0	135.0455	0.0
load	N_1800072607	constant_power_B_reac	270.091	0.0	135.0455	0.0
load	N_1800072607	constant_power_C_reac	270.091	0.0	135.0455	0.0
load	N_1800073257	constant_power_A	501.845	164.948	250.9225	82.474
load	N_1800073257	constant_power_B	501.845	164.948	250.9225	82.474
load	N_1800073257	constant_power_A_real	501.845	0.0	250.9225	0.0
load	N_1800073257	constant_power_B_real	501.845	0.0	250.9225	0.0
load	N_1800073257	constant_power_A_reac	164.948	0.0	82.474	0.0
load	N_1800073257	constant_power_B_reac	164.948	0.0	82.474	0.0
load	N_1800003256	constant_power_A	1854.77	688.22	927.385	344.11
load	N_1800003256	constant_power_B	1854.77	688.22	927.385	344.11
load	N_1800003256	constant_power_C	1854.77	688.22	927.385	344.11
load	N_1800003256	constant_power_A_real	1854.77	0.0	927.385	0.0
load	N_1800003256	constant_power_B_real	1854.77	0.0	927.385	0.0
load	N_1800003256	constant_power_C_real	1854.77	0.0	927.385	0.0
load	N_1800003256	constant_power_A_reac	688.22	0.0	344.11	0.0
load	N_1800003256	constant_power_B_reac	688.22	0.0	344.11	0.0
load	N_1800003256	constant_power_C_reac	688.22	0.0	344.11	0.0
load	N_1800072608	constant_power_A	3374.98	1304.91	1687.49	652.455
load	N_1800072608	constant_power_B	3374.98	1304.91	1687.49	652.455
load	N_1800072608	constant_power_C	3374.98	1304.91	1687.49	652.455
load	N_1800072608	constant_power_A_real	3374.98	0.0	1687.49	0.0
load	N_1800072608	constant_power_B_real	3374.98	0.0	1687.49	0.0
load	N_1800072608	constant_power_C_real	3374.98	0.0	1687.49	0.0
load	N_1800072608	constant_power_A_reac	1304.91	0.0	652.455	0.0
load	N_1800072608	constant_power_B_reac	1304.91	0.0	652.455	0.0
load	N_1800072608	constant_power_C_reac	1304.91	0.0	652.455	0.0
load	N_1800068930	constant_power_A	2544.44	836.317	1272.22	418.1585
load	N_1800068930	constant_power_B	2544.44	836.317	1272.22	418.1585
load	N_1800068930	constant_power_A_real	2544.44	0.0	1272.22	0.0
load	N_1800068930	constant_power_B_real	2544.44	0.0	1272.22	0.0
load	N_1800068930	constant_power_A_reac	836.317	0.0	418.1585	0.0
load	N_1800068930	constant_power_B_reac	836.317	0.0	418.1585	0.0
load	N_1800024126	constant_power_A	1273.69	418.641	636.845	209.3205
load	N_1800024126	constant_power_B	1273.69	418.641	636.845	209.3205
load	N_1800024126	constant_power_C	1273.69	418.641	636.845	209.3205
load	N_1800024126	constant_power_A_real	1273.69	0.0	636.845	0.0
load	N_1800024126	constant_power_B_real	1273.69	0.0	636.845	0.0
load	N_1800024126	constant_power_C_real	1273.69	0.0	636.845	0.0
load	N_1800024126	constant_power_A_reac	418.641	0.0	209.3205	0.0
load	N_1800024126	constant_power_B_reac	418.641	0.0	209.3205	0.0
load	N_1800024126	constant_power_C_reac	418.641	0.0	209.3205	0.0
load	N_1800071424	constant_power_A	1376.4	469.486	688.2	234.743
load	N_1800071424	constant_power_B	1376.4	469.486	688.2	234.743
load	N_1800071424	constant_power_C	1376.4	469.486	688.2	234.743
load	N_1800071424	constant_power_A_real	1376.4	0.0	688.2	0.0
load	N_1800071424	constant_power_B_real	1376.4	0.0	688.2	0.0
load	N_1800071424	constant_power_C_real	1376.4	0.0	688.2	0.0
load	N_1800071424	constant_power_A_reac	469.486	0.0	234.743	0.0
load	N_1800071424	constant_power_B_reac	469.486	0.0	234.743	0.0
load	N_1800071424	constant_power_C_reac	469.486	0.0	234.743	0.0
load	N_1800071353	constant_power_A	2162.92	1218.31	1081.46	609.155
load	N_1800071353	constant_power_B	2162.92	1218.31	1081.46	609.155
load	N_1800071353	constant_power_C	2162.92	1218.31	1081.46	609.155
load	N_1800071353	constant_power_A_real	2162.92	0.0	1081.46	0.0
load	N_1800071353	constant_power_B_real	2162.92	0.0	1081.46	0.0
load	N_1800071353	constant_power_C_real	2162.92	0.0	1081.46	0.0
load	N_1800071353	constant_power_A_reac	1218.31	0.0	609.155	0.0
load	N_1800071353	constant_power_B_reac	1218.31	0.0	609.155	0.0
load	N_1800071353	constant_power_C_reac	1218.31	0.0	609.155	0.0
load	N_1800071358	constant_power_A	15419.2	9555.99	7709.6	4777.995
load	N_1800071358	constant_power_B	15419.2	9555.99	7709.6	4777.995
load	N_1800071358	constant_power_C	15419.2	9555.99	7709.6	4777.995

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071358	constant_power_A_real	15419.2	0.0	7709.6	0.0
load	N_1800071358	constant_power_B_real	15419.2	0.0	7709.6	0.0
load	N_1800071358	constant_power_C_real	15419.2	0.0	7709.6	0.0
load	N_1800071358	constant_power_A_reac	9555.99	0.0	4777.995	0.0
load	N_1800071358	constant_power_B_reac	9555.99	0.0	4777.995	0.0
load	N_1800071358	constant_power_C_reac	9555.99	0.0	4777.995	0.0
load	N_1800070113	constant_power_A	2949.44	969.433	1474.72	484.7165
load	N_1800070113	constant_power_B	2949.44	969.433	1474.72	484.7165
load	N_1800070113	constant_power_A_real	2949.44	0.0	1474.72	0.0
load	N_1800070113	constant_power_B_real	2949.44	0.0	1474.72	0.0
load	N_1800070113	constant_power_A_reac	969.433	0.0	484.7165	0.0
load	N_1800070113	constant_power_B_reac	969.433	0.0	484.7165	0.0
load	N_1800070116	constant_power_A	2019.12	663.652	1009.56	331.826
load	N_1800070116	constant_power_B	2019.12	663.652	1009.56	331.826
load	N_1800070116	constant_power_C	2019.12	663.652	1009.56	331.826
load	N_1800070116	constant_power_A_real	2019.12	0.0	1009.56	0.0
load	N_1800070116	constant_power_B_real	2019.12	0.0	1009.56	0.0
load	N_1800070116	constant_power_C_real	2019.12	0.0	1009.56	0.0
load	N_1800070116	constant_power_A_reac	663.652	0.0	331.826	0.0
load	N_1800070116	constant_power_B_reac	663.652	0.0	331.826	0.0
load	N_1800070116	constant_power_C_reac	663.652	0.0	331.826	0.0
load	N_1800068190	constant_power_A	1884.12	619.28	942.06	309.64
load	N_1800068190	constant_power_B	1884.12	619.28	942.06	309.64
load	N_1800068190	constant_power_A_real	1884.12	0.0	942.06	0.0
load	N_1800068190	constant_power_B_real	1884.12	0.0	942.06	0.0
load	N_1800068190	constant_power_A_reac	619.28	0.0	309.64	0.0
load	N_1800068190	constant_power_B_reac	619.28	0.0	309.64	0.0
load	N_1800070114	constant_power_A	1800.48	591.789	900.24	295.8945
load	N_1800070114	constant_power_B	1800.48	591.789	900.24	295.8945
load	N_1800070114	constant_power_A_real	1800.48	0.0	900.24	0.0
load	N_1800070114	constant_power_B_real	1800.48	0.0	900.24	0.0
load	N_1800070114	constant_power_A_reac	591.789	0.0	295.8945	0.0
load	N_1800070114	constant_power_B_reac	591.789	0.0	295.8945	0.0
load	N_1800068355	constant_power_A	1646.4	541.146	823.2	270.573
load	N_1800068355	constant_power_B	1646.4	541.146	823.2	270.573
load	N_1800068355	constant_power_C	1646.4	541.146	823.2	270.573
load	N_1800068355	constant_power_A_real	1646.4	0.0	823.2	0.0
load	N_1800068355	constant_power_B_real	1646.4	0.0	823.2	0.0
load	N_1800068355	constant_power_C_real	1646.4	0.0	823.2	0.0
load	N_1800068355	constant_power_A_reac	541.146	0.0	270.573	0.0
load	N_1800068355	constant_power_B_reac	541.146	0.0	270.573	0.0
load	N_1800068355	constant_power_C_reac	541.146	0.0	270.573	0.0
load	N_1800068357	constant_power_A	187.825	61.7351	93.9125	30.86755
load	N_1800068357	constant_power_B	187.825	61.7351	93.9125	30.86755
load	N_1800068357	constant_power_C	187.825	61.7351	93.9125	30.86755
load	N_1800068357	constant_power_A_real	187.825	0.0	93.9125	0.0
load	N_1800068357	constant_power_B_real	187.825	0.0	93.9125	0.0
load	N_1800068357	constant_power_C_real	187.825	0.0	93.9125	0.0
load	N_1800068357	constant_power_A_reac	61.7351	0.0	30.86755	0.0
load	N_1800068357	constant_power_B_reac	61.7351	0.0	30.86755	0.0
load	N_1800068357	constant_power_C_reac	61.7351	0.0	30.86755	0.0
load	N_1800068350	constant_power_A	1443.9	474.588	721.95	237.294
load	N_1800068350	constant_power_B	1443.9	474.588	721.95	237.294
load	N_1800068350	constant_power_A_real	1443.9	0.0	721.95	0.0
load	N_1800068350	constant_power_B_real	1443.9	0.0	721.95	0.0
load	N_1800068350	constant_power_A_reac	474.588	0.0	237.294	0.0
load	N_1800068350	constant_power_B_reac	474.588	0.0	237.294	0.0
load	N_1800068351	constant_power_A	2333.14	766.865	1166.57	383.4325
load	N_1800068351	constant_power_B	2333.14	766.865	1166.57	383.4325
load	N_1800068351	constant_power_A_real	2333.14	0.0	1166.57	0.0
load	N_1800068351	constant_power_B_real	2333.14	0.0	1166.57	0.0
load	N_1800068351	constant_power_A_reac	766.865	0.0	383.4325	0.0
load	N_1800068351	constant_power_B_reac	766.865	0.0	383.4325	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068600	constant_power_A	6386.05	3957.72	3193.025	1978.86
load	N_1800068600	constant_power_B	6386.05	3957.72	3193.025	1978.86
load	N_1800068600	constant_power_C	6386.05	3957.72	3193.025	1978.86
load	N_1800068600	constant_power_A_real	6386.05	0.0	3193.025	0.0
load	N_1800068600	constant_power_B_real	6386.05	0.0	3193.025	0.0
load	N_1800068600	constant_power_C_real	6386.05	0.0	3193.025	0.0
load	N_1800068600	constant_power_A_reac	3957.72	0.0	1978.86	0.0
load	N_1800068600	constant_power_B_reac	3957.72	0.0	1978.86	0.0
load	N_1800068600	constant_power_C_reac	3957.72	0.0	1978.86	0.0
load	N_1800068601	constant_power_A	5041.92	3124.7	2520.96	1562.35
load	N_1800068601	constant_power_B	5041.92	3124.7	2520.96	1562.35
load	N_1800068601	constant_power_C	5041.92	3124.7	2520.96	1562.35
load	N_1800068601	constant_power_A_real	5041.92	0.0	2520.96	0.0
load	N_1800068601	constant_power_B_real	5041.92	0.0	2520.96	0.0
load	N_1800068601	constant_power_C_real	5041.92	0.0	2520.96	0.0
load	N_1800068601	constant_power_A_reac	3124.7	0.0	1562.35	0.0
load	N_1800068601	constant_power_B_reac	3124.7	0.0	1562.35	0.0
load	N_1800068601	constant_power_C_reac	3124.7	0.0	1562.35	0.0
load	N_1800041216	constant_power_A	312.552	102.731	156.276	51.3655
load	N_1800041216	constant_power_B	312.552	102.731	156.276	51.3655
load	N_1800041216	constant_power_A_real	312.552	0.0	156.276	0.0
load	N_1800041216	constant_power_B_real	312.552	0.0	156.276	0.0
load	N_1800041216	constant_power_A_reac	102.731	0.0	51.3655	0.0
load	N_1800041216	constant_power_B_reac	102.731	0.0	51.3655	0.0
load	N_1800068358	constant_power_A	598.692	238.636	299.346	119.318
load	N_1800068358	constant_power_B	598.692	238.636	299.346	119.318
load	N_1800068358	constant_power_C	598.692	238.636	299.346	119.318
load	N_1800068358	constant_power_A_real	598.692	0.0	299.346	0.0
load	N_1800068358	constant_power_B_real	598.692	0.0	299.346	0.0
load	N_1800068358	constant_power_C_real	598.692	0.0	299.346	0.0
load	N_1800068358	constant_power_A_reac	238.636	0.0	119.318	0.0
load	N_1800068358	constant_power_B_reac	238.636	0.0	119.318	0.0
load	N_1800068358	constant_power_C_reac	238.636	0.0	119.318	0.0
load	N_1800068359	constant_power_A	1349.99	679.478	674.995	339.739
load	N_1800068359	constant_power_B	1349.99	679.478	674.995	339.739
load	N_1800068359	constant_power_C	1349.99	679.478	674.995	339.739
load	N_1800068359	constant_power_A_real	1349.99	0.0	674.995	0.0
load	N_1800068359	constant_power_B_real	1349.99	0.0	674.995	0.0
load	N_1800068359	constant_power_C_real	1349.99	0.0	674.995	0.0
load	N_1800068359	constant_power_A_reac	679.478	0.0	339.739	0.0
load	N_1800068359	constant_power_B_reac	679.478	0.0	339.739	0.0
load	N_1800068359	constant_power_C_reac	679.478	0.0	339.739	0.0
load	N_1800068608	constant_power_A	347.77	114.306	173.885	57.153
load	N_1800068608	constant_power_B	347.77	114.306	173.885	57.153
load	N_1800068608	constant_power_A_real	347.77	0.0	173.885	0.0
load	N_1800068608	constant_power_B_real	347.77	0.0	173.885	0.0
load	N_1800068608	constant_power_A_reac	114.306	0.0	57.153	0.0
load	N_1800068608	constant_power_B_reac	114.306	0.0	57.153	0.0
load	N_1800068609	constant_power_A	1483.52	487.61	741.76	243.805
load	N_1800068609	constant_power_B	1483.52	487.61	741.76	243.805
load	N_1800068609	constant_power_A_real	1483.52	0.0	741.76	0.0
load	N_1800068609	constant_power_B_real	1483.52	0.0	741.76	0.0
load	N_1800068609	constant_power_A_reac	487.61	0.0	243.805	0.0
load	N_1800068609	constant_power_B_reac	487.61	0.0	243.805	0.0
load	N_1800069224	constant_power_A	4503.4	1480.19	2251.7	740.095
load	N_1800069224	constant_power_B	4503.4	1480.19	2251.7	740.095
load	N_1800069224	constant_power_A_real	4503.4	0.0	2251.7	0.0
load	N_1800069224	constant_power_B_real	4503.4	0.0	2251.7	0.0
load	N_1800069224	constant_power_A_reac	1480.19	0.0	740.095	0.0
load	N_1800069224	constant_power_B_reac	1480.19	0.0	740.095	0.0
load	N_1800069229	constant_power_A	1593.58	523.783	796.79	261.8915
load	N_1800069229	constant_power_B	1593.58	523.783	796.79	261.8915
load	N_1800069229	constant_power_A_real	1593.58	0.0	796.79	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069229	constant_power_B_real	1593.58	0.0	796.79	0.0
load	N_1800069229	constant_power_A_reac	523.783	0.0	261.8915	0.0
load	N_1800069229	constant_power_B_reac	523.783	0.0	261.8915	0.0
load	N_1800024711	constant_power_A	1703.63	559.956	851.815	279.978
load	N_1800024711	constant_power_B	1703.63	559.956	851.815	279.978
load	N_1800024711	constant_power_A_real	1703.63	0.0	851.815	0.0
load	N_1800024711	constant_power_B_real	1703.63	0.0	851.815	0.0
load	N_1800024711	constant_power_A_reac	559.956	0.0	279.978	0.0
load	N_1800024711	constant_power_B_reac	559.956	0.0	279.978	0.0
load	N_1800024712	constant_power_A	5326.6	2896.24	2663.3	1448.12
load	N_1800024712	constant_power_B	5326.6	2896.24	2663.3	1448.12
load	N_1800024712	constant_power_A_real	5326.6	0.0	2663.3	0.0
load	N_1800024712	constant_power_B_real	5326.6	0.0	2663.3	0.0
load	N_1800024712	constant_power_A_reac	2896.24	0.0	1448.12	0.0
load	N_1800024712	constant_power_B_reac	2896.24	0.0	1448.12	0.0
load	N_1800070548	constant_power_A	243.585	150.961	121.7925	75.4805
load	N_1800070548	constant_power_B	243.585	150.961	121.7925	75.4805
load	N_1800070548	constant_power_C	243.585	150.961	121.7925	75.4805
load	N_1800070548	constant_power_A_real	243.585	0.0	121.7925	0.0
load	N_1800070548	constant_power_B_real	243.585	0.0	121.7925	0.0
load	N_1800070548	constant_power_C_real	243.585	0.0	121.7925	0.0
load	N_1800070548	constant_power_A_reac	150.961	0.0	75.4805	0.0
load	N_1800070548	constant_power_B_reac	150.961	0.0	75.4805	0.0
load	N_1800070548	constant_power_C_reac	150.961	0.0	75.4805	0.0
load	N_1800081363	constant_power_A	9954.72	6169.38	4977.36	3084.69
load	N_1800081363	constant_power_B	9954.72	6169.38	4977.36	3084.69
load	N_1800081363	constant_power_C	9954.72	6169.38	4977.36	3084.69
load	N_1800081363	constant_power_A_real	9954.72	0.0	4977.36	0.0
load	N_1800081363	constant_power_B_real	9954.72	0.0	4977.36	0.0
load	N_1800081363	constant_power_C_real	9954.72	0.0	4977.36	0.0
load	N_1800081363	constant_power_A_reac	6169.38	0.0	3084.69	0.0
load	N_1800081363	constant_power_B_reac	6169.38	0.0	3084.69	0.0
load	N_1800081363	constant_power_C_reac	6169.38	0.0	3084.69	0.0
load	N_1800068998	constant_power_A	801.191	263.339	400.5955	131.6695
load	N_1800068998	constant_power_B	801.191	263.339	400.5955	131.6695
load	N_1800068998	constant_power_C	801.191	263.339	400.5955	131.6695
load	N_1800068998	constant_power_A_real	801.191	0.0	400.5955	0.0
load	N_1800068998	constant_power_B_real	801.191	0.0	400.5955	0.0
load	N_1800068998	constant_power_C_real	801.191	0.0	400.5955	0.0
load	N_1800068998	constant_power_A_reac	263.339	0.0	131.6695	0.0
load	N_1800068998	constant_power_B_reac	263.339	0.0	131.6695	0.0
load	N_1800068998	constant_power_C_reac	263.339	0.0	131.6695	0.0
load	N_1800068994	constant_power_A	1420.43	880.301	710.215	440.1505
load	N_1800068994	constant_power_B	1420.43	880.301	710.215	440.1505
load	N_1800068994	constant_power_C	1420.43	880.301	710.215	440.1505
load	N_1800068994	constant_power_A_real	1420.43	0.0	710.215	0.0
load	N_1800068994	constant_power_B_real	1420.43	0.0	710.215	0.0
load	N_1800068994	constant_power_C_real	1420.43	0.0	710.215	0.0
load	N_1800068994	constant_power_A_reac	880.301	0.0	440.1505	0.0
load	N_1800068994	constant_power_B_reac	880.301	0.0	440.1505	0.0
load	N_1800068994	constant_power_C_reac	880.301	0.0	440.1505	0.0
load	N_1800068993	constant_power_A	443.149	145.656	221.5745	72.828
load	N_1800068993	constant_power_B	443.149	145.656	221.5745	72.828
load	N_1800068993	constant_power_C	443.149	145.656	221.5745	72.828
load	N_1800068993	constant_power_A_real	443.149	0.0	221.5745	0.0
load	N_1800068993	constant_power_B_real	443.149	0.0	221.5745	0.0
load	N_1800068993	constant_power_C_real	443.149	0.0	221.5745	0.0
load	N_1800068993	constant_power_A_reac	145.656	0.0	72.828	0.0
load	N_1800068993	constant_power_B_reac	145.656	0.0	72.828	0.0
load	N_1800068993	constant_power_C_reac	145.656	0.0	72.828	0.0
load	N_1800068991	constant_power_A	284.672	93.5672	142.336	46.7836
load	N_1800068991	constant_power_B	284.672	93.5672	142.336	46.7836
load	N_1800068991	constant_power_C	284.672	93.5672	142.336	46.7836

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068991	constant_power_A_real	284.672	0.0	142.336	0.0
load	N_1800068991	constant_power_B_real	284.672	0.0	142.336	0.0
load	N_1800068991	constant_power_C_real	284.672	0.0	142.336	0.0
load	N_1800068991	constant_power_A_reac	93.5672	0.0	46.7836	0.0
load	N_1800068991	constant_power_B_reac	93.5672	0.0	46.7836	0.0
load	N_1800068991	constant_power_C_reac	93.5672	0.0	46.7836	0.0
load	N_1800075382	constant_power_A	6295.07	2069.09	3147.535	1034.545
load	N_1800075382	constant_power_B	6295.07	2069.09	3147.535	1034.545
load	N_1800075382	constant_power_A_real	6295.07	0.0	3147.535	0.0
load	N_1800075382	constant_power_B_real	6295.07	0.0	3147.535	0.0
load	N_1800075382	constant_power_A_reac	2069.09	0.0	1034.545	0.0
load	N_1800075382	constant_power_B_reac	2069.09	0.0	1034.545	0.0
load	N_1800070609	constant_power_A	598.692	196.781	299.346	98.3905
load	N_1800070609	constant_power_B	598.692	196.781	299.346	98.3905
load	N_1800070609	constant_power_C	598.692	196.781	299.346	98.3905
load	N_1800070609	constant_power_A_real	598.692	0.0	299.346	0.0
load	N_1800070609	constant_power_B_real	598.692	0.0	299.346	0.0
load	N_1800070609	constant_power_C_real	598.692	0.0	299.346	0.0
load	N_1800070609	constant_power_A_reac	196.781	0.0	98.3905	0.0
load	N_1800070609	constant_power_B_reac	196.781	0.0	98.3905	0.0
load	N_1800070609	constant_power_C_reac	196.781	0.0	98.3905	0.0
load	N_1800067989	constant_power_A	5490.94	3352.58	2745.47	1676.29
load	N_1800067989	constant_power_B	5490.94	3352.58	2745.47	1676.29
load	N_1800067989	constant_power_C	5490.94	3352.58	2745.47	1676.29
load	N_1800067989	constant_power_A_real	5490.94	0.0	2745.47	0.0
load	N_1800067989	constant_power_B_real	5490.94	0.0	2745.47	0.0
load	N_1800067989	constant_power_C_real	5490.94	0.0	2745.47	0.0
load	N_1800067989	constant_power_A_reac	3352.58	0.0	1676.29	0.0
load	N_1800067989	constant_power_B_reac	3352.58	0.0	1676.29	0.0
load	N_1800067989	constant_power_C_reac	3352.58	0.0	1676.29	0.0
load	N_1800070595	constant_power_A	90.9777	56.3829	45.48885	28.19145
load	N_1800070595	constant_power_B	90.9777	56.3829	45.48885	28.19145
load	N_1800070595	constant_power_C	90.9777	56.3829	45.48885	28.19145
load	N_1800070595	constant_power_A_real	90.9777	0.0	45.48885	0.0
load	N_1800070595	constant_power_B_real	90.9777	0.0	45.48885	0.0
load	N_1800070595	constant_power_C_real	90.9777	0.0	45.48885	0.0
load	N_1800070595	constant_power_A_reac	56.3829	0.0	28.19145	0.0
load	N_1800070595	constant_power_B_reac	56.3829	0.0	28.19145	0.0
load	N_1800070595	constant_power_C_reac	56.3829	0.0	28.19145	0.0
load	N_1800033450	constant_power_A	3257.59	1070.72	1628.795	535.36
load	N_1800033450	constant_power_C	3257.59	1070.72	1628.795	535.36
load	N_1800033450	constant_power_A_real	3257.59	0.0	1628.795	0.0
load	N_1800033450	constant_power_C_real	3257.59	0.0	1628.795	0.0
load	N_1800033450	constant_power_A_reac	1070.72	0.0	535.36	0.0
load	N_1800033450	constant_power_C_reac	1070.72	0.0	535.36	0.0
load	N_1800070590	constant_power_A	1426.3	468.8	713.15	234.4
load	N_1800070590	constant_power_B	1426.3	468.8	713.15	234.4
load	N_1800070590	constant_power_A_real	1426.3	0.0	713.15	0.0
load	N_1800070590	constant_power_B_real	1426.3	0.0	713.15	0.0
load	N_1800070590	constant_power_A_reac	468.8	0.0	234.4	0.0
load	N_1800070590	constant_power_B_reac	468.8	0.0	234.4	0.0
load	N_1800070016	constant_power_A	374.182	122.988	187.091	61.494
load	N_1800070016	constant_power_B	374.182	122.988	187.091	61.494
load	N_1800070016	constant_power_A_real	374.182	0.0	187.091	0.0
load	N_1800070016	constant_power_B_real	374.182	0.0	187.091	0.0
load	N_1800070016	constant_power_A_reac	122.988	0.0	61.494	0.0
load	N_1800070016	constant_power_B_reac	122.988	0.0	61.494	0.0
load	N_1800047911	constant_power_A	5264.97	1730.51	2632.485	865.255
load	N_1800047911	constant_power_B	5264.97	1730.51	2632.485	865.255
load	N_1800047911	constant_power_A_real	5264.97	0.0	2632.485	0.0
load	N_1800047911	constant_power_B_real	5264.97	0.0	2632.485	0.0
load	N_1800047911	constant_power_A_reac	1730.51	0.0	865.255	0.0
load	N_1800047911	constant_power_B_reac	1730.51	0.0	865.255	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800047910	constant_power_A	4318.51	1419.42	2159.255	709.71
load	N_1800047910	constant_power_B	4318.51	1419.42	2159.255	709.71
load	N_1800047910	constant_power_A_real	4318.51	0.0	2159.255	0.0
load	N_1800047910	constant_power_B_real	4318.51	0.0	2159.255	0.0
load	N_1800047910	constant_power_A_reac	1419.42	0.0	709.71	0.0
load	N_1800047910	constant_power_B_reac	1419.42	0.0	709.71	0.0
load	N_1800070541	constant_power_A	3419.0	2118.91	1709.5	1059.455
load	N_1800070541	constant_power_B	3419.0	2118.91	1709.5	1059.455
load	N_1800070541	constant_power_C	3419.0	2118.91	1709.5	1059.455
load	N_1800070541	constant_power_A_real	3419.0	0.0	1709.5	0.0
load	N_1800070541	constant_power_B_real	3419.0	0.0	1709.5	0.0
load	N_1800070541	constant_power_C_real	3419.0	0.0	1709.5	0.0
load	N_1800070541	constant_power_A_reac	2118.91	0.0	1059.455	0.0
load	N_1800070541	constant_power_B_reac	2118.91	0.0	1059.455	0.0
load	N_1800070541	constant_power_C_reac	2118.91	0.0	1059.455	0.0
load	N_1800069821	constant_power_A	2513.62	974.818	1256.81	487.409
load	N_1800069821	constant_power_B	2513.62	974.818	1256.81	487.409
load	N_1800069821	constant_power_A_real	2513.62	0.0	1256.81	0.0
load	N_1800069821	constant_power_B_real	2513.62	0.0	1256.81	0.0
load	N_1800069821	constant_power_A_reac	974.818	0.0	487.409	0.0
load	N_1800069821	constant_power_B_reac	974.818	0.0	487.409	0.0
load	N_1800069820	constant_power_A	3578.95	1176.34	1789.475	588.17
load	N_1800069820	constant_power_B	3578.95	1176.34	1789.475	588.17
load	N_1800069820	constant_power_A_real	3578.95	0.0	1789.475	0.0
load	N_1800069820	constant_power_B_real	3578.95	0.0	1789.475	0.0
load	N_1800069820	constant_power_A_reac	1176.34	0.0	588.17	0.0
load	N_1800069820	constant_power_B_reac	1176.34	0.0	588.17	0.0
load	N_1800069355	constant_power_A	1857.71	610.598	928.855	305.299
load	N_1800069355	constant_power_B	1857.71	610.598	928.855	305.299
load	N_1800069355	constant_power_A_real	1857.71	0.0	928.855	0.0
load	N_1800069355	constant_power_B_real	1857.71	0.0	928.855	0.0
load	N_1800069355	constant_power_A_reac	610.598	0.0	305.299	0.0
load	N_1800069355	constant_power_B_reac	610.598	0.0	305.299	0.0
load	N_1800069822	constant_power_A	2130.64	700.307	1065.32	350.1535
load	N_1800069822	constant_power_B	2130.64	700.307	1065.32	350.1535
load	N_1800069822	constant_power_C	2130.64	700.307	1065.32	350.1535
load	N_1800069822	constant_power_A_real	2130.64	0.0	1065.32	0.0
load	N_1800069822	constant_power_B_real	2130.64	0.0	1065.32	0.0
load	N_1800069822	constant_power_C_real	2130.64	0.0	1065.32	0.0
load	N_1800069822	constant_power_A_reac	700.307	0.0	350.1535	0.0
load	N_1800069822	constant_power_B_reac	700.307	0.0	350.1535	0.0
load	N_1800069822	constant_power_C_reac	700.307	0.0	350.1535	0.0
load	N_1800069353	constant_power_A	959.668	315.428	479.834	157.714
load	N_1800069353	constant_power_B	959.668	315.428	479.834	157.714
load	N_1800069353	constant_power_A_real	959.668	0.0	479.834	0.0
load	N_1800069353	constant_power_B_real	959.668	0.0	479.834	0.0
load	N_1800069353	constant_power_A_reac	315.428	0.0	157.714	0.0
load	N_1800069353	constant_power_B_reac	315.428	0.0	157.714	0.0
load	N_1800070014	constant_power_A	136.467	44.8545	68.2335	22.42725
load	N_1800070014	constant_power_B	136.467	44.8545	68.2335	22.42725
load	N_1800070014	constant_power_A_real	136.467	0.0	68.2335	0.0
load	N_1800070014	constant_power_B_real	136.467	0.0	68.2335	0.0
load	N_1800070014	constant_power_A_reac	44.8545	0.0	22.42725	0.0
load	N_1800070014	constant_power_B_reac	44.8545	0.0	22.42725	0.0
load	N_1800069351	constant_power_A	576.681	189.546	288.3405	94.773
load	N_1800069351	constant_power_B	576.681	189.546	288.3405	94.773
load	N_1800069351	constant_power_A_real	576.681	0.0	288.3405	0.0
load	N_1800069351	constant_power_B_real	576.681	0.0	288.3405	0.0
load	N_1800069351	constant_power_A_reac	189.546	0.0	94.773	0.0
load	N_1800069351	constant_power_B_reac	189.546	0.0	94.773	0.0
load	N_1800070015	constant_power_A	202.499	66.5582	101.2495	33.2791
load	N_1800070015	constant_power_B	202.499	66.5582	101.2495	33.2791
load	N_1800070015	constant_power_A_real	202.499	0.0	101.2495	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070015	constant_power_B_real	202.499	0.0	101.2495	0.0
load	N_1800070015	constant_power_A_reac	66.5582	0.0	33.2791	0.0
load	N_1800070015	constant_power_B_reac	66.5582	0.0	33.2791	0.0
load	N_1800000291	constant_power_A	695.539	235.446	347.7695	117.723
load	N_1800000291	constant_power_B	695.539	235.446	347.7695	117.723
load	N_1800000291	constant_power_C	695.539	235.446	347.7695	117.723
load	N_1800000291	constant_power_A_real	695.539	0.0	347.7695	0.0
load	N_1800000291	constant_power_B_real	695.539	0.0	347.7695	0.0
load	N_1800000291	constant_power_C_real	695.539	0.0	347.7695	0.0
load	N_1800000291	constant_power_A_reac	235.446	0.0	117.723	0.0
load	N_1800000291	constant_power_B_reac	235.446	0.0	117.723	0.0
load	N_1800000291	constant_power_C_reac	235.446	0.0	117.723	0.0
load	N_1800070012	constant_power_A	1452.71	477.482	726.355	238.741
load	N_1800070012	constant_power_B	1452.71	477.482	726.355	238.741
load	N_1800070012	constant_power_A_real	1452.71	0.0	726.355	0.0
load	N_1800070012	constant_power_B_real	1452.71	0.0	726.355	0.0
load	N_1800070012	constant_power_A_reac	477.482	0.0	238.741	0.0
load	N_1800070012	constant_power_B_reac	477.482	0.0	238.741	0.0
load	N_1800035331	constant_power_A	1210.59	397.902	605.295	198.951
load	N_1800035331	constant_power_B	1210.59	397.902	605.295	198.951
load	N_1800035331	constant_power_A_real	1210.59	0.0	605.295	0.0
load	N_1800035331	constant_power_B_real	1210.59	0.0	605.295	0.0
load	N_1800035331	constant_power_A_reac	397.902	0.0	198.951	0.0
load	N_1800035331	constant_power_B_reac	397.902	0.0	198.951	0.0
load	N_1800072997	constant_power_A	792.386	260.445	396.193	130.2225
load	N_1800072997	constant_power_B	792.386	260.445	396.193	130.2225
load	N_1800072997	constant_power_A_real	792.386	0.0	396.193	0.0
load	N_1800072997	constant_power_B_real	792.386	0.0	396.193	0.0
load	N_1800072997	constant_power_A_reac	260.445	0.0	130.2225	0.0
load	N_1800072997	constant_power_B_reac	260.445	0.0	130.2225	0.0
load	N_1800070546	constant_power_A	3407.26	1122.48	1703.63	561.24
load	N_1800070546	constant_power_B	3407.26	1122.48	1703.63	561.24
load	N_1800070546	constant_power_A_real	3407.26	0.0	1703.63	0.0
load	N_1800070546	constant_power_B_real	3407.26	0.0	1703.63	0.0
load	N_1800070546	constant_power_A_reac	1122.48	0.0	561.24	0.0
load	N_1800070546	constant_power_B_reac	1122.48	0.0	561.24	0.0
load	N_1800034830	constant_power_A	889.233	292.277	444.6165	146.1385
load	N_1800034830	constant_power_B	889.233	292.277	444.6165	146.1385
load	N_1800034830	constant_power_A_real	889.233	0.0	444.6165	0.0
load	N_1800034830	constant_power_B_real	889.233	0.0	444.6165	0.0
load	N_1800034830	constant_power_A_reac	292.277	0.0	146.1385	0.0
load	N_1800034830	constant_power_B_reac	292.277	0.0	146.1385	0.0
load	N_1800034831	constant_power_A	2865.8	941.942	1432.9	470.971
load	N_1800034831	constant_power_B	2865.8	941.942	1432.9	470.971
load	N_1800034831	constant_power_A_real	2865.8	0.0	1432.9	0.0
load	N_1800034831	constant_power_B_real	2865.8	0.0	1432.9	0.0
load	N_1800034831	constant_power_A_reac	941.942	0.0	470.971	0.0
load	N_1800034831	constant_power_B_reac	941.942	0.0	470.971	0.0
load	N_1800036764	constant_power_A	1235.54	406.101	617.77	203.0505
load	N_1800036764	constant_power_B	1235.54	406.101	617.77	203.0505
load	N_1800036764	constant_power_C	1235.54	406.101	617.77	203.0505
load	N_1800036764	constant_power_A_real	1235.54	0.0	617.77	0.0
load	N_1800036764	constant_power_B_real	1235.54	0.0	617.77	0.0
load	N_1800036764	constant_power_C_real	1235.54	0.0	617.77	0.0
load	N_1800036764	constant_power_A_reac	406.101	0.0	203.0505	0.0
load	N_1800036764	constant_power_B_reac	406.101	0.0	203.0505	0.0
load	N_1800036764	constant_power_C_reac	406.101	0.0	203.0505	0.0
load	N_1800034833	constant_power_A	2284.71	750.949	1142.355	375.4745
load	N_1800034833	constant_power_B	2284.71	750.949	1142.355	375.4745
load	N_1800034833	constant_power_A_real	2284.71	0.0	1142.355	0.0
load	N_1800034833	constant_power_B_real	2284.71	0.0	1142.355	0.0
load	N_1800034833	constant_power_A_reac	750.949	0.0	375.4745	0.0
load	N_1800034833	constant_power_B_reac	750.949	0.0	375.4745	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034835	constant_power_A	1496.73	491.951	748.365	245.9755
load	N_1800034835	constant_power_B	1496.73	491.951	748.365	245.9755
load	N_1800034835	constant_power_A_real	1496.73	0.0	748.365	0.0
load	N_1800034835	constant_power_B_real	1496.73	0.0	748.365	0.0
load	N_1800034835	constant_power_A_reac	491.951	0.0	245.9755	0.0
load	N_1800034835	constant_power_B_reac	491.951	0.0	245.9755	0.0
load	N_1800034837	constant_power_A	739.561	243.082	369.7805	121.541
load	N_1800034837	constant_power_B	739.561	243.082	369.7805	121.541
load	N_1800034837	constant_power_A_real	739.561	0.0	369.7805	0.0
load	N_1800034837	constant_power_B_real	739.561	0.0	369.7805	0.0
load	N_1800034837	constant_power_A_reac	243.082	0.0	121.541	0.0
load	N_1800034837	constant_power_B_reac	243.082	0.0	121.541	0.0
load	N_1800034838	constant_power_A	959.668	315.428	479.834	157.714
load	N_1800034838	constant_power_B	959.668	315.428	479.834	157.714
load	N_1800034838	constant_power_A_real	959.668	0.0	479.834	0.0
load	N_1800034838	constant_power_B_real	959.668	0.0	479.834	0.0
load	N_1800034838	constant_power_A_reac	315.428	0.0	157.714	0.0
load	N_1800034838	constant_power_B_reac	315.428	0.0	157.714	0.0
load	N_1800203248	constant_power_A	3991.28	2473.57	1995.64	1236.785
load	N_1800203248	constant_power_B	3991.28	2473.57	1995.64	1236.785
load	N_1800203248	constant_power_C	3991.28	2473.57	1995.64	1236.785
load	N_1800203248	constant_power_A_real	3991.28	0.0	1995.64	0.0
load	N_1800203248	constant_power_B_real	3991.28	0.0	1995.64	0.0
load	N_1800203248	constant_power_C_real	3991.28	0.0	1995.64	0.0
load	N_1800203248	constant_power_A_reac	2473.57	0.0	1236.785	0.0
load	N_1800203248	constant_power_B_reac	2473.57	0.0	1236.785	0.0
load	N_1800203248	constant_power_C_reac	2473.57	0.0	1236.785	0.0
load	N_1800068179	constant_power_A	955.266	313.981	477.633	156.9905
load	N_1800068179	constant_power_B	955.266	313.981	477.633	156.9905
load	N_1800068179	constant_power_A_real	955.266	0.0	477.633	0.0
load	N_1800068179	constant_power_B_real	955.266	0.0	477.633	0.0
load	N_1800068179	constant_power_A_reac	313.981	0.0	156.9905	0.0
load	N_1800068179	constant_power_B_reac	313.981	0.0	156.9905	0.0
load	N_1800039793	constant_power_A	1760.86	578.766	880.43	289.383
load	N_1800039793	constant_power_B	1760.86	578.766	880.43	289.383
load	N_1800039793	constant_power_A_real	1760.86	0.0	880.43	0.0
load	N_1800039793	constant_power_B_real	1760.86	0.0	880.43	0.0
load	N_1800039793	constant_power_A_reac	578.766	0.0	289.383	0.0
load	N_1800039793	constant_power_B_reac	578.766	0.0	289.383	0.0
load	N_1800068176	constant_power_A	1664.01	546.934	832.005	273.467
load	N_1800068176	constant_power_B	1664.01	546.934	832.005	273.467
load	N_1800068176	constant_power_A_real	1664.01	0.0	832.005	0.0
load	N_1800068176	constant_power_B_real	1664.01	0.0	832.005	0.0
load	N_1800068176	constant_power_A_reac	546.934	0.0	273.467	0.0
load	N_1800068176	constant_power_B_reac	546.934	0.0	273.467	0.0
load	N_1800039791	constant_power_A	44.0213	14.4691	22.01065	7.23455
load	N_1800039791	constant_power_B	44.0213	14.4691	22.01065	7.23455
load	N_1800039791	constant_power_C	44.0213	14.4691	22.01065	7.23455
load	N_1800039791	constant_power_A_real	44.0213	0.0	22.01065	0.0
load	N_1800039791	constant_power_B_real	44.0213	0.0	22.01065	0.0
load	N_1800039791	constant_power_C_real	44.0213	0.0	22.01065	0.0
load	N_1800039791	constant_power_A_reac	14.4691	0.0	7.23455	0.0
load	N_1800039791	constant_power_B_reac	14.4691	0.0	7.23455	0.0
load	N_1800039791	constant_power_C_reac	14.4691	0.0	7.23455	0.0
load	N_1800068170	constant_power_A	46.9563	15.4338	23.47815	7.7169
load	N_1800068170	constant_power_B	46.9563	15.4338	23.47815	7.7169
load	N_1800068170	constant_power_C	46.9563	15.4338	23.47815	7.7169
load	N_1800068170	constant_power_A_real	46.9563	0.0	23.47815	0.0
load	N_1800068170	constant_power_B_real	46.9563	0.0	23.47815	0.0
load	N_1800068170	constant_power_C_real	46.9563	0.0	23.47815	0.0
load	N_1800068170	constant_power_A_reac	15.4338	0.0	7.7169	0.0
load	N_1800068170	constant_power_B_reac	15.4338	0.0	7.7169	0.0
load	N_1800068170	constant_power_C_reac	15.4338	0.0	7.7169	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034848	constant_power_A	845.212	277.808	422.606	138.904
load	N_1800034848	constant_power_B	845.212	277.808	422.606	138.904
load	N_1800034848	constant_power_A_real	845.212	0.0	422.606	0.0
load	N_1800034848	constant_power_B_real	845.212	0.0	422.606	0.0
load	N_1800034848	constant_power_A_reac	277.808	0.0	138.904	0.0
load	N_1800034848	constant_power_B_reac	277.808	0.0	138.904	0.0
load	N_1800037099	constant_power_A	5956.1	1957.68	2978.05	978.84
load	N_1800037099	constant_power_B	5956.1	1957.68	2978.05	978.84
load	N_1800037099	constant_power_A_real	5956.1	0.0	2978.05	0.0
load	N_1800037099	constant_power_B_real	5956.1	0.0	2978.05	0.0
load	N_1800037099	constant_power_A_reac	1957.68	0.0	978.84	0.0
load	N_1800037099	constant_power_B_reac	1957.68	0.0	978.84	0.0
load	N_1800022719	constant_power_A	88.043	54.5642	44.0215	27.2821
load	N_1800022719	constant_power_B	88.043	54.5642	44.0215	27.2821
load	N_1800022719	constant_power_A_real	88.043	0.0	44.0215	0.0
load	N_1800022719	constant_power_B_real	88.043	0.0	44.0215	0.0
load	N_1800022719	constant_power_A_reac	54.5642	0.0	27.2821	0.0
load	N_1800022719	constant_power_B_reac	54.5642	0.0	27.2821	0.0
load	N_1800067579	constant_power_A	699.941	230.059	349.9705	115.0295
load	N_1800067579	constant_power_B	699.941	230.059	349.9705	115.0295
load	N_1800067579	constant_power_A_real	699.941	0.0	349.9705	0.0
load	N_1800067579	constant_power_B_real	699.941	0.0	349.9705	0.0
load	N_1800067579	constant_power_A_reac	230.059	0.0	115.0295	0.0
load	N_1800067579	constant_power_B_reac	230.059	0.0	115.0295	0.0
load	N_1800067578	constant_power_A	475.432	156.267	237.716	78.1335
load	N_1800067578	constant_power_B	475.432	156.267	237.716	78.1335
load	N_1800067578	constant_power_A_real	475.432	0.0	237.716	0.0
load	N_1800067578	constant_power_B_real	475.432	0.0	237.716	0.0
load	N_1800067578	constant_power_A_reac	156.267	0.0	78.1335	0.0
load	N_1800067578	constant_power_B_reac	156.267	0.0	78.1335	0.0
load	N_1800067575	constant_power_A	242.118	79.5803	121.059	39.79015
load	N_1800067575	constant_power_B	242.118	79.5803	121.059	39.79015
load	N_1800067575	constant_power_A_real	242.118	0.0	121.059	0.0
load	N_1800067575	constant_power_B_real	242.118	0.0	121.059	0.0
load	N_1800067575	constant_power_A_reac	79.5803	0.0	39.79015	0.0
load	N_1800067575	constant_power_B_reac	79.5803	0.0	39.79015	0.0
load	N_1800067577	constant_power_A	1307.44	429.734	653.72	214.867
load	N_1800067577	constant_power_B	1307.44	429.734	653.72	214.867
load	N_1800067577	constant_power_A_real	1307.44	0.0	653.72	0.0
load	N_1800067577	constant_power_B_real	1307.44	0.0	653.72	0.0
load	N_1800067577	constant_power_A_reac	429.734	0.0	214.867	0.0
load	N_1800067577	constant_power_B_reac	429.734	0.0	214.867	0.0
load	N_1800202904	constant_power_A	1077.06	354.012	538.53	177.006
load	N_1800202904	constant_power_B	1077.06	354.012	538.53	177.006
load	N_1800202904	constant_power_C	1077.06	354.012	538.53	177.006
load	N_1800202904	constant_power_A_real	1077.06	0.0	538.53	0.0
load	N_1800202904	constant_power_B_real	1077.06	0.0	538.53	0.0
load	N_1800202904	constant_power_C_real	1077.06	0.0	538.53	0.0
load	N_1800202904	constant_power_A_reac	354.012	0.0	177.006	0.0
load	N_1800202904	constant_power_B_reac	354.012	0.0	177.006	0.0
load	N_1800202904	constant_power_C_reac	354.012	0.0	177.006	0.0
load	N_1800011353	constant_power_A	120.325	74.5709	60.1625	37.28545
load	N_1800011353	constant_power_B	120.325	74.5709	60.1625	37.28545
load	N_1800011353	constant_power_C	120.325	74.5709	60.1625	37.28545
load	N_1800011353	constant_power_A_real	120.325	0.0	60.1625	0.0
load	N_1800011353	constant_power_B_real	120.325	0.0	60.1625	0.0
load	N_1800011353	constant_power_C_real	120.325	0.0	60.1625	0.0
load	N_1800011353	constant_power_A_reac	74.5709	0.0	37.28545	0.0
load	N_1800011353	constant_power_B_reac	74.5709	0.0	37.28545	0.0
load	N_1800011353	constant_power_C_reac	74.5709	0.0	37.28545	0.0
load	N_1800040356	constant_power_A	294.944	96.9434	147.472	48.4717
load	N_1800040356	constant_power_B	294.944	96.9434	147.472	48.4717
load	N_1800040356	constant_power_A_real	294.944	0.0	147.472	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800040356	constant_power_B_real	294.944	0.0	147.472	0.0
load	N_1800040356	constant_power_A_reac	96.9434	0.0	48.4717	0.0
load	N_1800040356	constant_power_B_reac	96.9434	0.0	48.4717	0.0
load	N_1800040357	constant_power_A	1047.71	344.366	523.855	172.183
load	N_1800040357	constant_power_B	1047.71	344.366	523.855	172.183
load	N_1800040357	constant_power_A_real	1047.71	0.0	523.855	0.0
load	N_1800040357	constant_power_B_real	1047.71	0.0	523.855	0.0
load	N_1800040357	constant_power_A_reac	344.366	0.0	172.183	0.0
load	N_1800040357	constant_power_B_reac	344.366	0.0	172.183	0.0
load	N_1800045188	constant_power_A	1041.84	645.675	520.92	322.8375
load	N_1800045188	constant_power_B	1041.84	645.675	520.92	322.8375
load	N_1800045188	constant_power_C	1041.84	645.675	520.92	322.8375
load	N_1800045188	constant_power_A_real	1041.84	0.0	520.92	0.0
load	N_1800045188	constant_power_B_real	1041.84	0.0	520.92	0.0
load	N_1800045188	constant_power_C_real	1041.84	0.0	520.92	0.0
load	N_1800045188	constant_power_A_reac	645.675	0.0	322.8375	0.0
load	N_1800045188	constant_power_B_reac	645.675	0.0	322.8375	0.0
load	N_1800045188	constant_power_C_reac	645.675	0.0	322.8375	0.0
load	N_1800045189	constant_power_A	1030.1	338.578	515.05	169.289
load	N_1800045189	constant_power_B	1030.1	338.578	515.05	169.289
load	N_1800045189	constant_power_C	1030.1	338.578	515.05	169.289
load	N_1800045189	constant_power_A_real	1030.1	0.0	515.05	0.0
load	N_1800045189	constant_power_B_real	1030.1	0.0	515.05	0.0
load	N_1800045189	constant_power_C_real	1030.1	0.0	515.05	0.0
load	N_1800045189	constant_power_A_reac	338.578	0.0	169.289	0.0
load	N_1800045189	constant_power_B_reac	338.578	0.0	169.289	0.0
load	N_1800045189	constant_power_C_reac	338.578	0.0	169.289	0.0
load	N_1800040358	constant_power_A	598.692	196.781	299.346	98.3905
load	N_1800040358	constant_power_B	598.692	196.781	299.346	98.3905
load	N_1800040358	constant_power_A_real	598.692	0.0	299.346	0.0
load	N_1800040358	constant_power_B_real	598.692	0.0	299.346	0.0
load	N_1800040358	constant_power_A_reac	196.781	0.0	98.3905	0.0
load	N_1800040358	constant_power_B_reac	196.781	0.0	98.3905	0.0
load	N_1800040359	constant_power_A	563.475	212.112	281.7375	106.056
load	N_1800040359	constant_power_B	563.475	212.112	281.7375	106.056
load	N_1800040359	constant_power_A_real	563.475	0.0	281.7375	0.0
load	N_1800040359	constant_power_B_real	563.475	0.0	281.7375	0.0
load	N_1800040359	constant_power_A_reac	212.112	0.0	106.056	0.0
load	N_1800040359	constant_power_B_reac	212.112	0.0	106.056	0.0
load	N_1800004544	constant_power_A	989.015	325.074	494.5075	162.537
load	N_1800004544	constant_power_B	989.015	325.074	494.5075	162.537
load	N_1800004544	constant_power_C	989.015	325.074	494.5075	162.537
load	N_1800004544	constant_power_A_real	989.015	0.0	494.5075	0.0
load	N_1800004544	constant_power_B_real	989.015	0.0	494.5075	0.0
load	N_1800004544	constant_power_C_real	989.015	0.0	494.5075	0.0
load	N_1800004544	constant_power_A_reac	325.074	0.0	162.537	0.0
load	N_1800004544	constant_power_B_reac	325.074	0.0	162.537	0.0
load	N_1800004544	constant_power_C_reac	325.074	0.0	162.537	0.0
load	N_1800068091	constant_power_A	3006.67	988.243	1503.335	494.1215
load	N_1800068091	constant_power_B	3006.67	988.243	1503.335	494.1215
load	N_1800068091	constant_power_A_real	3006.67	0.0	1503.335	0.0
load	N_1800068091	constant_power_B_real	3006.67	0.0	1503.335	0.0
load	N_1800068091	constant_power_A_reac	988.243	0.0	494.1215	0.0
load	N_1800068091	constant_power_B_reac	988.243	0.0	494.1215	0.0
load	N_1800062046	constant_power_A	6482.89	2130.82	3241.445	1065.41
load	N_1800062046	constant_power_B	6482.89	2130.82	3241.445	1065.41
load	N_1800062046	constant_power_C	6482.89	2130.82	3241.445	1065.41
load	N_1800062046	constant_power_A_real	6482.89	0.0	3241.445	0.0
load	N_1800062046	constant_power_B_real	6482.89	0.0	3241.445	0.0
load	N_1800062046	constant_power_C_real	6482.89	0.0	3241.445	0.0
load	N_1800062046	constant_power_A_reac	2130.82	0.0	1065.41	0.0
load	N_1800062046	constant_power_B_reac	2130.82	0.0	1065.41	0.0
load	N_1800062046	constant_power_C_reac	2130.82	0.0	1065.41	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800037894	constant_power_A	1518.74	499.186	759.37	249.593
load	N_1800037894	constant_power_B	1518.74	499.186	759.37	249.593
load	N_1800037894	constant_power_A_real	1518.74	0.0	759.37	0.0
load	N_1800037894	constant_power_B_real	1518.74	0.0	759.37	0.0
load	N_1800037894	constant_power_A_reac	499.186	0.0	249.593	0.0
load	N_1800037894	constant_power_B_reac	499.186	0.0	249.593	0.0
load	N_1800070770	constant_power_A	1549.56	509.314	774.78	254.657
load	N_1800070770	constant_power_A_real	1549.56	0.0	774.78	0.0
load	N_1800070770	constant_power_A_reac	509.314	0.0	254.657	0.0
load	N_1800013852	constant_power_A	3807.86	1251.58	1903.93	625.79
load	N_1800013852	constant_power_B	3807.86	1251.58	1903.93	625.79
load	N_1800013852	constant_power_A_real	3807.86	0.0	1903.93	0.0
load	N_1800013852	constant_power_B_real	3807.86	0.0	1903.93	0.0
load	N_1800013852	constant_power_A_reac	1251.58	0.0	625.79	0.0
load	N_1800013852	constant_power_B_reac	1251.58	0.0	625.79	0.0
load	N_1800000441	constant_power_A	1426.3	468.801	713.15	234.4005
load	N_1800000441	constant_power_B	1426.3	468.801	713.15	234.4005
load	N_1800000441	constant_power_C	1426.3	468.801	713.15	234.4005
load	N_1800000441	constant_power_A_real	1426.3	0.0	713.15	0.0
load	N_1800000441	constant_power_B_real	1426.3	0.0	713.15	0.0
load	N_1800000441	constant_power_C_real	1426.3	0.0	713.15	0.0
load	N_1800000441	constant_power_A_reac	468.801	0.0	234.4005	0.0
load	N_1800000441	constant_power_B_reac	468.801	0.0	234.4005	0.0
load	N_1800000441	constant_power_C_reac	468.801	0.0	234.4005	0.0
load	N_1800037140	constant_power_A	2157.05	708.989	1078.525	354.4945
load	N_1800037140	constant_power_B	2157.05	708.989	1078.525	354.4945
load	N_1800037140	constant_power_A_real	2157.05	0.0	1078.525	0.0
load	N_1800037140	constant_power_B_real	2157.05	0.0	1078.525	0.0
load	N_1800037140	constant_power_A_reac	708.989	0.0	354.4945	0.0
load	N_1800037140	constant_power_B_reac	708.989	0.0	354.4945	0.0
load	N_1800037143	constant_power_A	801.191	263.339	400.5955	131.6695
load	N_1800037143	constant_power_B	801.191	263.339	400.5955	131.6695
load	N_1800037143	constant_power_A_real	801.191	0.0	400.5955	0.0
load	N_1800037143	constant_power_B_real	801.191	0.0	400.5955	0.0
load	N_1800037143	constant_power_A_reac	263.339	0.0	131.6695	0.0
load	N_1800037143	constant_power_B_reac	263.339	0.0	131.6695	0.0
load	N_1800036410	constant_power_A	2324.33	763.971	1162.165	381.9855
load	N_1800036410	constant_power_B	2324.33	763.971	1162.165	381.9855
load	N_1800036410	constant_power_A_real	2324.33	0.0	1162.165	0.0
load	N_1800036410	constant_power_B_real	2324.33	0.0	1162.165	0.0
load	N_1800036410	constant_power_A_reac	763.971	0.0	381.9855	0.0
load	N_1800036410	constant_power_B_reac	763.971	0.0	381.9855	0.0
load	N_1800013691	constant_power_A	2139.44	1325.91	1069.72	662.955
load	N_1800013691	constant_power_B	2139.44	1325.91	1069.72	662.955
load	N_1800013691	constant_power_C	2139.44	1325.91	1069.72	662.955
load	N_1800013691	constant_power_A_real	2139.44	0.0	1069.72	0.0
load	N_1800013691	constant_power_B_real	2139.44	0.0	1069.72	0.0
load	N_1800013691	constant_power_C_real	2139.44	0.0	1069.72	0.0
load	N_1800013691	constant_power_A_reac	1325.91	0.0	662.955	0.0
load	N_1800013691	constant_power_B_reac	1325.91	0.0	662.955	0.0
load	N_1800013691	constant_power_C_reac	1325.91	0.0	662.955	0.0
load	N_1800062628	constant_power_A	660.322	217.037	330.161	108.5185
load	N_1800062628	constant_power_B	660.322	217.037	330.161	108.5185
load	N_1800062628	constant_power_A_real	660.322	0.0	330.161	0.0
load	N_1800062628	constant_power_B_real	660.322	0.0	330.161	0.0
load	N_1800062628	constant_power_A_reac	217.037	0.0	108.5185	0.0
load	N_1800062628	constant_power_B_reac	217.037	0.0	108.5185	0.0
load	N_1800062627	constant_power_A	149.673	49.1951	74.8365	24.59755
load	N_1800062627	constant_power_B	149.673	49.1951	74.8365	24.59755
load	N_1800062627	constant_power_A_real	149.673	0.0	74.8365	0.0
load	N_1800062627	constant_power_B_real	149.673	0.0	74.8365	0.0
load	N_1800062627	constant_power_A_reac	49.1951	0.0	24.59755	0.0
load	N_1800062627	constant_power_B_reac	49.1951	0.0	24.59755	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800062625	constant_power_A	167.282	54.9829	83.641	27.49145
load	N_1800062625	constant_power_B	167.282	54.9829	83.641	27.49145
load	N_1800062625	constant_power_A_real	167.282	0.0	83.641	0.0
load	N_1800062625	constant_power_B_real	167.282	0.0	83.641	0.0
load	N_1800062625	constant_power_A_reac	54.9829	0.0	27.49145	0.0
load	N_1800062625	constant_power_B_reac	54.9829	0.0	27.49145	0.0
load	N_1800043590	constant_power_A	4190.84	1377.46	2095.42	688.73
load	N_1800043590	constant_power_B	4190.84	1377.46	2095.42	688.73
load	N_1800043590	constant_power_A_real	4190.84	0.0	2095.42	0.0
load	N_1800043590	constant_power_B_real	4190.84	0.0	2095.42	0.0
load	N_1800043590	constant_power_A_reac	1377.46	0.0	688.73	0.0
load	N_1800043590	constant_power_B_reac	1377.46	0.0	688.73	0.0
load	N_1800042514	constant_power_A	955.266	313.981	477.633	156.9905
load	N_1800042514	constant_power_B	955.266	313.981	477.633	156.9905
load	N_1800042514	constant_power_A_real	955.266	0.0	477.633	0.0
load	N_1800042514	constant_power_B_real	955.266	0.0	477.633	0.0
load	N_1800042514	constant_power_A_reac	313.981	0.0	156.9905	0.0
load	N_1800042514	constant_power_B_reac	313.981	0.0	156.9905	0.0
load	N_1800042515	constant_power_A	1738.85	571.532	869.425	285.766
load	N_1800042515	constant_power_B	1738.85	571.532	869.425	285.766
load	N_1800042515	constant_power_A_real	1738.85	0.0	869.425	0.0
load	N_1800042515	constant_power_B_real	1738.85	0.0	869.425	0.0
load	N_1800042515	constant_power_A_reac	571.532	0.0	285.766	0.0
load	N_1800042515	constant_power_B_reac	571.532	0.0	285.766	0.0
load	N_1800018598	constant_power_A	977.277	504.44	488.6385	252.22
load	N_1800018598	constant_power_B	977.277	504.44	488.6385	252.22
load	N_1800018598	constant_power_A_real	977.277	0.0	488.6385	0.0
load	N_1800018598	constant_power_B_real	977.277	0.0	488.6385	0.0
load	N_1800018598	constant_power_A_reac	504.44	0.0	252.22	0.0
load	N_1800018598	constant_power_B_reac	504.44	0.0	252.22	0.0
load	N_1800070353	constant_power_A	132.064	43.4073	66.032	21.70365
load	N_1800070353	constant_power_B	132.064	43.4073	66.032	21.70365
load	N_1800070353	constant_power_A_real	132.064	0.0	66.032	0.0
load	N_1800070353	constant_power_B_real	132.064	0.0	66.032	0.0
load	N_1800070353	constant_power_A_reac	43.4073	0.0	21.70365	0.0
load	N_1800070353	constant_power_B_reac	43.4073	0.0	21.70365	0.0
load	N_1800044033	constant_power_A	1122.55	368.963	561.275	184.4815
load	N_1800044033	constant_power_B	1122.55	368.963	561.275	184.4815
load	N_1800044033	constant_power_A_real	1122.55	0.0	561.275	0.0
load	N_1800044033	constant_power_B_real	1122.55	0.0	561.275	0.0
load	N_1800044033	constant_power_A_reac	368.963	0.0	184.4815	0.0
load	N_1800044033	constant_power_B_reac	368.963	0.0	184.4815	0.0
load	N_1800067354	constant_power_A	272.933	89.7087	136.4665	44.85435
load	N_1800067354	constant_power_B	272.933	89.7087	136.4665	44.85435
load	N_1800067354	constant_power_A_real	272.933	0.0	136.4665	0.0
load	N_1800067354	constant_power_B_real	272.933	0.0	136.4665	0.0
load	N_1800067354	constant_power_A_reac	89.7087	0.0	44.85435	0.0
load	N_1800067354	constant_power_B_reac	89.7087	0.0	44.85435	0.0
load	N_1800068659	constant_power_A	598.692	196.781	299.346	98.3905
load	N_1800068659	constant_power_B	598.692	196.781	299.346	98.3905
load	N_1800068659	constant_power_A_real	598.692	0.0	299.346	0.0
load	N_1800068659	constant_power_B_real	598.692	0.0	299.346	0.0
load	N_1800068659	constant_power_A_reac	196.781	0.0	98.3905	0.0
load	N_1800068659	constant_power_B_reac	196.781	0.0	98.3905	0.0
load	N_1800044037	constant_power_A	2645.69	869.596	1322.845	434.798
load	N_1800044037	constant_power_B	2645.69	869.596	1322.845	434.798
load	N_1800044037	constant_power_A_real	2645.69	0.0	1322.845	0.0
load	N_1800044037	constant_power_B_real	2645.69	0.0	1322.845	0.0
load	N_1800044037	constant_power_A_reac	869.596	0.0	434.798	0.0
load	N_1800044037	constant_power_B_reac	869.596	0.0	434.798	0.0
load	N_1800044035	constant_power_A	2280.31	749.502	1140.155	374.751
load	N_1800044035	constant_power_B	2280.31	749.502	1140.155	374.751
load	N_1800044035	constant_power_A_real	2280.31	0.0	1140.155	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800044035	constant_power_B_real	2280.31	0.0	1140.155	0.0
load	N_1800044035	constant_power_A_reac	749.502	0.0	374.751	0.0
load	N_1800044035	constant_power_B_reac	749.502	0.0	374.751	0.0
load	N_1800067352	constant_power_A	52.8257	17.363	26.41285	8.6815
load	N_1800067352	constant_power_B	52.8257	17.363	26.41285	8.6815
load	N_1800067352	constant_power_C	52.8257	17.363	26.41285	8.6815
load	N_1800067352	constant_power_A_real	52.8257	0.0	26.41285	0.0
load	N_1800067352	constant_power_B_real	52.8257	0.0	26.41285	0.0
load	N_1800067352	constant_power_C_real	52.8257	0.0	26.41285	0.0
load	N_1800067352	constant_power_A_reac	17.363	0.0	8.6815	0.0
load	N_1800067352	constant_power_B_reac	17.363	0.0	8.6815	0.0
load	N_1800067352	constant_power_C_reac	17.363	0.0	8.6815	0.0
load	N_1800061802	constant_power_A	3160.74	1038.89	1580.37	519.445
load	N_1800061802	constant_power_B	3160.74	1038.89	1580.37	519.445
load	N_1800061802	constant_power_C	3160.74	1038.89	1580.37	519.445
load	N_1800061802	constant_power_A_real	3160.74	0.0	1580.37	0.0
load	N_1800061802	constant_power_B_real	3160.74	0.0	1580.37	0.0
load	N_1800061802	constant_power_C_real	3160.74	0.0	1580.37	0.0
load	N_1800061802	constant_power_A_reac	1038.89	0.0	519.445	0.0
load	N_1800061802	constant_power_B_reac	1038.89	0.0	519.445	0.0
load	N_1800061802	constant_power_C_reac	1038.89	0.0	519.445	0.0
load	N_1800007830	constant_power_A	158.477	52.089	79.2385	26.0445
load	N_1800007830	constant_power_B	158.477	52.089	79.2385	26.0445
load	N_1800007830	constant_power_C	158.477	52.089	79.2385	26.0445
load	N_1800007830	constant_power_A_real	158.477	0.0	79.2385	0.0
load	N_1800007830	constant_power_B_real	158.477	0.0	79.2385	0.0
load	N_1800007830	constant_power_C_real	158.477	0.0	79.2385	0.0
load	N_1800007830	constant_power_A_reac	52.089	0.0	26.0445	0.0
load	N_1800007830	constant_power_B_reac	52.089	0.0	26.0445	0.0
load	N_1800007830	constant_power_C_reac	52.089	0.0	26.0445	0.0
load	N_1800044038	constant_power_A	3345.63	1099.66	1672.815	549.83
load	N_1800044038	constant_power_B	3345.63	1099.66	1672.815	549.83
load	N_1800044038	constant_power_A_real	3345.63	0.0	1672.815	0.0
load	N_1800044038	constant_power_B_real	3345.63	0.0	1672.815	0.0
load	N_1800044038	constant_power_A_reac	1099.66	0.0	549.83	0.0
load	N_1800044038	constant_power_B_reac	1099.66	0.0	549.83	0.0
load	N_1800067358	constant_power_A	1391.08	457.225	695.54	228.6125
load	N_1800067358	constant_power_B	1391.08	457.225	695.54	228.6125
load	N_1800067358	constant_power_A_real	1391.08	0.0	695.54	0.0
load	N_1800067358	constant_power_B_real	1391.08	0.0	695.54	0.0
load	N_1800067358	constant_power_A_reac	457.225	0.0	228.6125	0.0
load	N_1800067358	constant_power_B_reac	457.225	0.0	228.6125	0.0
load	N_1800007835	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800007835	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800007835	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800007835	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800007835	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800007835	constant_power_B_reac	179.417	0.0	89.7085	0.0
load	N_1800031257	constant_power_A	472.497	155.302	236.2485	77.651
load	N_1800031257	constant_power_B	472.497	155.302	236.2485	77.651
load	N_1800031257	constant_power_C	472.497	155.302	236.2485	77.651
load	N_1800031257	constant_power_A_real	472.497	0.0	236.2485	0.0
load	N_1800031257	constant_power_B_real	472.497	0.0	236.2485	0.0
load	N_1800031257	constant_power_C_real	472.497	0.0	236.2485	0.0
load	N_1800031257	constant_power_A_reac	155.302	0.0	77.651	0.0
load	N_1800031257	constant_power_B_reac	155.302	0.0	77.651	0.0
load	N_1800031257	constant_power_C_reac	155.302	0.0	77.651	0.0
load	N_1800031256	constant_power_A	1294.23	425.393	647.115	212.6965
load	N_1800031256	constant_power_B	1294.23	425.393	647.115	212.6965
load	N_1800031256	constant_power_A_real	1294.23	0.0	647.115	0.0
load	N_1800031256	constant_power_B_real	1294.23	0.0	647.115	0.0
load	N_1800031256	constant_power_A_reac	425.393	0.0	212.6965	0.0
load	N_1800031256	constant_power_B_reac	425.393	0.0	212.6965	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031255	constant_power_A	2672.1	878.278	1336.05	439.139
load	N_1800031255	constant_power_B	2672.1	878.278	1336.05	439.139
load	N_1800031255	constant_power_A_real	2672.1	0.0	1336.05	0.0
load	N_1800031255	constant_power_B_real	2672.1	0.0	1336.05	0.0
load	N_1800031255	constant_power_A_reac	878.278	0.0	439.139	0.0
load	N_1800031255	constant_power_B_reac	878.278	0.0	439.139	0.0
load	N_1800070352	constant_power_A	660.322	217.037	330.161	108.5185
load	N_1800070352	constant_power_B	660.322	217.037	330.161	108.5185
load	N_1800070352	constant_power_A_real	660.322	0.0	330.161	0.0
load	N_1800070352	constant_power_B_real	660.322	0.0	330.161	0.0
load	N_1800070352	constant_power_A_reac	217.037	0.0	108.5185	0.0
load	N_1800070352	constant_power_B_reac	217.037	0.0	108.5185	0.0
load	N_1800031258	constant_power_A	2980.25	979.562	1490.125	489.781
load	N_1800031258	constant_power_B	2980.25	979.562	1490.125	489.781
load	N_1800031258	constant_power_A_real	2980.25	0.0	1490.125	0.0
load	N_1800031258	constant_power_B_real	2980.25	0.0	1490.125	0.0
load	N_1800031258	constant_power_A_reac	979.562	0.0	489.781	0.0
load	N_1800031258	constant_power_B_reac	979.562	0.0	489.781	0.0
load	N_1800073101	constant_power_A	664.724	218.484	332.362	109.242
load	N_1800073101	constant_power_B	664.724	218.484	332.362	109.242
load	N_1800073101	constant_power_A_real	664.724	0.0	332.362	0.0
load	N_1800073101	constant_power_B_real	664.724	0.0	332.362	0.0
load	N_1800073101	constant_power_A_reac	218.484	0.0	109.242	0.0
load	N_1800073101	constant_power_B_reac	218.484	0.0	109.242	0.0
load	N_1800073103	constant_power_A	633.909	208.356	316.9545	104.178
load	N_1800073103	constant_power_B	633.909	208.356	316.9545	104.178
load	N_1800073103	constant_power_A_real	633.909	0.0	316.9545	0.0
load	N_1800073103	constant_power_B_real	633.909	0.0	316.9545	0.0
load	N_1800073103	constant_power_A_reac	208.356	0.0	104.178	0.0
load	N_1800073103	constant_power_B_reac	208.356	0.0	104.178	0.0
load	N_1800073102	constant_power_A	1914.93	629.408	957.465	314.704
load	N_1800073102	constant_power_B	1914.93	629.408	957.465	314.704
load	N_1800073102	constant_power_A_real	1914.93	0.0	957.465	0.0
load	N_1800073102	constant_power_B_real	1914.93	0.0	957.465	0.0
load	N_1800073102	constant_power_A_reac	629.408	0.0	314.704	0.0
load	N_1800073102	constant_power_B_reac	629.408	0.0	314.704	0.0
load	N_1800073104	constant_power_A	1144.56	376.198	572.28	188.099
load	N_1800073104	constant_power_B	1144.56	376.198	572.28	188.099
load	N_1800073104	constant_power_A_real	1144.56	0.0	572.28	0.0
load	N_1800073104	constant_power_B_real	1144.56	0.0	572.28	0.0
load	N_1800073104	constant_power_A_reac	376.198	0.0	188.099	0.0
load	N_1800073104	constant_power_B_reac	376.198	0.0	188.099	0.0
load	N_1800073106	constant_power_A	4270.08	1994.18	2135.04	997.09
load	N_1800073106	constant_power_B	4270.08	1994.18	2135.04	997.09
load	N_1800073106	constant_power_A_real	4270.08	0.0	2135.04	0.0
load	N_1800073106	constant_power_B_real	4270.08	0.0	2135.04	0.0
load	N_1800073106	constant_power_A_reac	1994.18	0.0	997.09	0.0
load	N_1800073106	constant_power_B_reac	1994.18	0.0	997.09	0.0
load	N_1800027922	constant_power_A	4126.28	1356.24	2063.14	678.12
load	N_1800027922	constant_power_B	4126.28	1356.24	2063.14	678.12
load	N_1800027922	constant_power_C	4126.28	1356.24	2063.14	678.12
load	N_1800027922	constant_power_A_real	4126.28	0.0	2063.14	0.0
load	N_1800027922	constant_power_B_real	4126.28	0.0	2063.14	0.0
load	N_1800027922	constant_power_C_real	4126.28	0.0	2063.14	0.0
load	N_1800027922	constant_power_A_reac	1356.24	0.0	678.12	0.0
load	N_1800027922	constant_power_B_reac	1356.24	0.0	678.12	0.0
load	N_1800027922	constant_power_C_reac	1356.24	0.0	678.12	0.0
load	N_1800027920	constant_power_A	560.54	197.908	280.27	98.954
load	N_1800027920	constant_power_B	560.54	197.908	280.27	98.954
load	N_1800027920	constant_power_C	560.54	197.908	280.27	98.954
load	N_1800027920	constant_power_A_real	560.54	0.0	280.27	0.0
load	N_1800027920	constant_power_B_real	560.54	0.0	280.27	0.0
load	N_1800027920	constant_power_C_real	560.54	0.0	280.27	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800027920	constant_power_A_reac	197.908	0.0	98.954	0.0
load	N_1800027920	constant_power_B_reac	197.908	0.0	98.954	0.0
load	N_1800027920	constant_power_C_reac	197.908	0.0	98.954	0.0
load	N_1800038236	constant_power_A	5916.48	1944.65	2958.24	972.325
load	N_1800038236	constant_power_B	5916.48	1944.65	2958.24	972.325
load	N_1800038236	constant_power_A_real	5916.48	0.0	2958.24	0.0
load	N_1800038236	constant_power_B_real	5916.48	0.0	2958.24	0.0
load	N_1800038236	constant_power_A_reac	1944.65	0.0	972.325	0.0
load	N_1800038236	constant_power_B_reac	1944.65	0.0	972.325	0.0
load	N_1800038237	constant_power_A	57000.0	35325.4	28500.0	17662.7
load	N_1800038237	constant_power_B	57000.0	35325.4	28500.0	17662.7
load	N_1800038237	constant_power_C	57000.0	35325.4	28500.0	17662.7
load	N_1800038237	constant_power_A_real	57000.0	0.0	28500.0	0.0
load	N_1800038237	constant_power_B_real	57000.0	0.0	28500.0	0.0
load	N_1800038237	constant_power_C_real	57000.0	0.0	28500.0	0.0
load	N_1800038237	constant_power_A_reac	35325.4	0.0	17662.7	0.0
load	N_1800038237	constant_power_B_reac	35325.4	0.0	17662.7	0.0
load	N_1800038237	constant_power_C_reac	35325.4	0.0	17662.7	0.0
load	N_1800072298	constant_power_A	1505.53	497.408	752.765	248.704
load	N_1800072298	constant_power_B	1505.53	497.408	752.765	248.704
load	N_1800072298	constant_power_A_real	1505.53	0.0	752.765	0.0
load	N_1800072298	constant_power_B_real	1505.53	0.0	752.765	0.0
load	N_1800072298	constant_power_A_reac	497.408	0.0	248.704	0.0
load	N_1800072298	constant_power_B_reac	497.408	0.0	248.704	0.0
load	N_1800072296	constant_power_A	4.402	1.44687	2.201	0.723435
load	N_1800072296	constant_power_B	4.402	1.44687	2.201	0.723435
load	N_1800072296	constant_power_A_real	4.402	0.0	2.201	0.0
load	N_1800072296	constant_power_B_real	4.402	0.0	2.201	0.0
load	N_1800072296	constant_power_A_reac	1.44687	0.0	0.723435	0.0
load	N_1800072296	constant_power_B_reac	1.44687	0.0	0.723435	0.0
load	N_1800038239	constant_power_A	1192.98	392.114	596.49	196.057
load	N_1800038239	constant_power_B	1192.98	392.114	596.49	196.057
load	N_1800038239	constant_power_A_real	1192.98	0.0	596.49	0.0
load	N_1800038239	constant_power_B_real	1192.98	0.0	596.49	0.0
load	N_1800038239	constant_power_A_reac	392.114	0.0	196.057	0.0
load	N_1800038239	constant_power_B_reac	392.114	0.0	196.057	0.0
load	N_1800072290	constant_power_A	792.386	260.445	396.193	130.2225
load	N_1800072290	constant_power_B	792.386	260.445	396.193	130.2225
load	N_1800072290	constant_power_A_real	792.386	0.0	396.193	0.0
load	N_1800072290	constant_power_B_real	792.386	0.0	396.193	0.0
load	N_1800072290	constant_power_A_reac	260.445	0.0	130.2225	0.0
load	N_1800072290	constant_power_B_reac	260.445	0.0	130.2225	0.0
load	N_1800043285	constant_power_A	1391.08	457.225	695.54	228.6125
load	N_1800043285	constant_power_B	1391.08	457.225	695.54	228.6125
load	N_1800043285	constant_power_A_real	1391.08	0.0	695.54	0.0
load	N_1800043285	constant_power_B_real	1391.08	0.0	695.54	0.0
load	N_1800043285	constant_power_A_reac	457.225	0.0	228.6125	0.0
load	N_1800043285	constant_power_B_reac	457.225	0.0	228.6125	0.0
load	N_1800042461	constant_power_A	1545.15	507.867	772.575	253.9335
load	N_1800042461	constant_power_B	1545.15	507.867	772.575	253.9335
load	N_1800042461	constant_power_A_real	1545.15	0.0	772.575	0.0
load	N_1800042461	constant_power_B_real	1545.15	0.0	772.575	0.0
load	N_1800042461	constant_power_A_reac	507.867	0.0	253.9335	0.0
load	N_1800042461	constant_power_B_reac	507.867	0.0	253.9335	0.0
load	N_1800042464	constant_power_A	3631.77	1193.71	1815.885	596.855
load	N_1800042464	constant_power_B	3631.77	1193.71	1815.885	596.855
load	N_1800042464	constant_power_A_real	3631.77	0.0	1815.885	0.0
load	N_1800042464	constant_power_B_real	3631.77	0.0	1815.885	0.0
load	N_1800042464	constant_power_A_reac	1193.71	0.0	596.855	0.0
load	N_1800042464	constant_power_B_reac	1193.71	0.0	596.855	0.0
load	N_1800080578	constant_power_A	1482.06	487.128	741.03	243.564
load	N_1800080578	constant_power_B	1482.06	487.128	741.03	243.564
load	N_1800080578	constant_power_C	1482.06	487.128	741.03	243.564

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800080578	constant_power_A_real	1482.06	0.0	741.03	0.0
load	N_1800080578	constant_power_B_real	1482.06	0.0	741.03	0.0
load	N_1800080578	constant_power_C_real	1482.06	0.0	741.03	0.0
load	N_1800080578	constant_power_A_reac	487.128	0.0	243.564	0.0
load	N_1800080578	constant_power_B_reac	487.128	0.0	243.564	0.0
load	N_1800080578	constant_power_C_reac	487.128	0.0	243.564	0.0
load	N_1800043286	constant_power_A	286.139	94.0493	143.0695	47.02465
load	N_1800043286	constant_power_B	286.139	94.0493	143.0695	47.02465
load	N_1800043286	constant_power_A_real	286.139	0.0	143.0695	0.0
load	N_1800043286	constant_power_B_real	286.139	0.0	143.0695	0.0
load	N_1800043286	constant_power_A_reac	94.0493	0.0	47.02465	0.0
load	N_1800043286	constant_power_B_reac	94.0493	0.0	47.02465	0.0
load	N_1800069034	constant_power_A	551.736	341.935	275.868	170.9675
load	N_1800069034	constant_power_B	551.736	341.935	275.868	170.9675
load	N_1800069034	constant_power_C	551.736	341.935	275.868	170.9675
load	N_1800069034	constant_power_A_real	551.736	0.0	275.868	0.0
load	N_1800069034	constant_power_B_real	551.736	0.0	275.868	0.0
load	N_1800069034	constant_power_C_real	551.736	0.0	275.868	0.0
load	N_1800069034	constant_power_A_reac	341.935	0.0	170.9675	0.0
load	N_1800069034	constant_power_B_reac	341.935	0.0	170.9675	0.0
load	N_1800069034	constant_power_C_reac	341.935	0.0	170.9675	0.0
load	N_1800073079	constant_power_A	1056.52	347.26	528.26	173.63
load	N_1800073079	constant_power_B	1056.52	347.26	528.26	173.63
load	N_1800073079	constant_power_A_real	1056.52	0.0	528.26	0.0
load	N_1800073079	constant_power_B_real	1056.52	0.0	528.26	0.0
load	N_1800073079	constant_power_A_reac	347.26	0.0	173.63	0.0
load	N_1800073079	constant_power_B_reac	347.26	0.0	173.63	0.0
load	N_1800073078	constant_power_A	1597.98	525.23	798.99	262.615
load	N_1800073078	constant_power_B	1597.98	525.23	798.99	262.615
load	N_1800073078	constant_power_A_real	1597.98	0.0	798.99	0.0
load	N_1800073078	constant_power_B_real	1597.98	0.0	798.99	0.0
load	N_1800073078	constant_power_A_reac	525.23	0.0	262.615	0.0
load	N_1800073078	constant_power_B_reac	525.23	0.0	262.615	0.0
load	N_1800039319	constant_power_A	1074.12	353.047	537.06	176.5235
load	N_1800039319	constant_power_B	1074.12	353.047	537.06	176.5235
load	N_1800039319	constant_power_A_real	1074.12	0.0	537.06	0.0
load	N_1800039319	constant_power_B_real	1074.12	0.0	537.06	0.0
load	N_1800039319	constant_power_A_reac	353.047	0.0	176.5235	0.0
load	N_1800039319	constant_power_B_reac	353.047	0.0	176.5235	0.0
load	N_1800030812	constant_power_A	347.77	114.306	173.885	57.153
load	N_1800030812	constant_power_B	347.77	114.306	173.885	57.153
load	N_1800030812	constant_power_A_real	347.77	0.0	173.885	0.0
load	N_1800030812	constant_power_B_real	347.77	0.0	173.885	0.0
load	N_1800030812	constant_power_A_reac	114.306	0.0	57.153	0.0
load	N_1800030812	constant_power_B_reac	114.306	0.0	57.153	0.0
load	N_1800030813	constant_power_A	5435.18	3368.42	2717.59	1684.21
load	N_1800030813	constant_power_B	5435.18	3368.42	2717.59	1684.21
load	N_1800030813	constant_power_C	5435.18	3368.42	2717.59	1684.21
load	N_1800030813	constant_power_A_real	5435.18	0.0	2717.59	0.0
load	N_1800030813	constant_power_B_real	5435.18	0.0	2717.59	0.0
load	N_1800030813	constant_power_C_real	5435.18	0.0	2717.59	0.0
load	N_1800030813	constant_power_A_reac	3368.42	0.0	1684.21	0.0
load	N_1800030813	constant_power_B_reac	3368.42	0.0	1684.21	0.0
load	N_1800030813	constant_power_C_reac	3368.42	0.0	1684.21	0.0
load	N_1800030814	constant_power_A	30.815	19.0974	15.4075	9.5487
load	N_1800030814	constant_power_B	30.815	19.0974	15.4075	9.5487
load	N_1800030814	constant_power_A_real	30.815	0.0	15.4075	0.0
load	N_1800030814	constant_power_B_real	30.815	0.0	15.4075	0.0
load	N_1800030814	constant_power_A_reac	19.0974	0.0	9.5487	0.0
load	N_1800030814	constant_power_B_reac	19.0974	0.0	9.5487	0.0
load	N_1800068957	constant_power_A	1237.0	406.583	618.5	203.2915
load	N_1800068957	constant_power_B	1237.0	406.583	618.5	203.2915
load	N_1800068957	constant_power_A_real	1237.0	0.0	618.5	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068957	constant_power_B_real	1237.0	0.0	618.5	0.0
load	N_1800068957	constant_power_A_reac	406.583	0.0	203.2915	0.0
load	N_1800068957	constant_power_B_reac	406.583	0.0	203.2915	0.0
load	N_1800067418	constant_power_A	264.129	86.815	132.0645	43.4075
load	N_1800067418	constant_power_B	264.129	86.815	132.0645	43.4075
load	N_1800067418	constant_power_A_real	264.129	0.0	132.0645	0.0
load	N_1800067418	constant_power_B_real	264.129	0.0	132.0645	0.0
load	N_1800067418	constant_power_A_reac	86.815	0.0	43.4075	0.0
load	N_1800067418	constant_power_B_reac	86.815	0.0	43.4075	0.0
load	N_1800080683	constant_power_A	933.255	306.746	466.6275	153.373
load	N_1800080683	constant_power_B	933.255	306.746	466.6275	153.373
load	N_1800080683	constant_power_A_real	933.255	0.0	466.6275	0.0
load	N_1800080683	constant_power_B_real	933.255	0.0	466.6275	0.0
load	N_1800080683	constant_power_A_reac	306.746	0.0	153.373	0.0
load	N_1800080683	constant_power_B_reac	306.746	0.0	153.373	0.0
load	N_1800034314	constant_power_A	137.934	45.3367	68.967	22.66835
load	N_1800034314	constant_power_B	137.934	45.3367	68.967	22.66835
load	N_1800034314	constant_power_C	137.934	45.3367	68.967	22.66835
load	N_1800034314	constant_power_A_real	137.934	0.0	68.967	0.0
load	N_1800034314	constant_power_B_real	137.934	0.0	68.967	0.0
load	N_1800034314	constant_power_C_real	137.934	0.0	68.967	0.0
load	N_1800034314	constant_power_A_reac	45.3367	0.0	22.66835	0.0
load	N_1800034314	constant_power_B_reac	45.3367	0.0	22.66835	0.0
load	N_1800034314	constant_power_C_reac	45.3367	0.0	22.66835	0.0
load	N_1800034316	constant_power_A	2377.16	781.334	1188.58	390.667
load	N_1800034316	constant_power_B	2377.16	781.334	1188.58	390.667
load	N_1800034316	constant_power_C	2377.16	781.334	1188.58	390.667
load	N_1800034316	constant_power_A_real	2377.16	0.0	1188.58	0.0
load	N_1800034316	constant_power_B_real	2377.16	0.0	1188.58	0.0
load	N_1800034316	constant_power_C_real	2377.16	0.0	1188.58	0.0
load	N_1800034316	constant_power_A_reac	781.334	0.0	390.667	0.0
load	N_1800034316	constant_power_B_reac	781.334	0.0	390.667	0.0
load	N_1800034316	constant_power_C_reac	781.334	0.0	390.667	0.0
load	N_1800034310	constant_power_A	1373.47	851.2	686.735	425.6
load	N_1800034310	constant_power_B	1373.47	851.2	686.735	425.6
load	N_1800034310	constant_power_C	1373.47	851.2	686.735	425.6
load	N_1800034310	constant_power_A_real	1373.47	0.0	686.735	0.0
load	N_1800034310	constant_power_B_real	1373.47	0.0	686.735	0.0
load	N_1800034310	constant_power_C_real	1373.47	0.0	686.735	0.0
load	N_1800034310	constant_power_A_reac	851.2	0.0	425.6	0.0
load	N_1800034310	constant_power_B_reac	851.2	0.0	425.6	0.0
load	N_1800034310	constant_power_C_reac	851.2	0.0	425.6	0.0
load	N_1800034313	constant_power_A	252.39	82.9565	126.195	41.47825
load	N_1800034313	constant_power_B	252.39	82.9565	126.195	41.47825
load	N_1800034313	constant_power_C	252.39	82.9565	126.195	41.47825
load	N_1800034313	constant_power_A_real	252.39	0.0	126.195	0.0
load	N_1800034313	constant_power_B_real	252.39	0.0	126.195	0.0
load	N_1800034313	constant_power_C_real	252.39	0.0	126.195	0.0
load	N_1800034313	constant_power_A_reac	82.9565	0.0	41.47825	0.0
load	N_1800034313	constant_power_B_reac	82.9565	0.0	41.47825	0.0
load	N_1800034313	constant_power_C_reac	82.9565	0.0	41.47825	0.0
load	N_1800202913	constant_power_A	959.668	315.428	479.834	157.714
load	N_1800202913	constant_power_B	959.668	315.428	479.834	157.714
load	N_1800202913	constant_power_C	959.668	315.428	479.834	157.714
load	N_1800202913	constant_power_A_real	959.668	0.0	479.834	0.0
load	N_1800202913	constant_power_B_real	959.668	0.0	479.834	0.0
load	N_1800202913	constant_power_C_real	959.668	0.0	479.834	0.0
load	N_1800202913	constant_power_A_reac	315.428	0.0	157.714	0.0
load	N_1800202913	constant_power_B_reac	315.428	0.0	157.714	0.0
load	N_1800202913	constant_power_C_reac	315.428	0.0	157.714	0.0
load	N_1800067975	constant_power_A	1963.36	645.324	981.68	322.662
load	N_1800067975	constant_power_B	1963.36	645.324	981.68	322.662
load	N_1800067975	constant_power_A_real	1963.36	0.0	981.68	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067975	constant_power_B_real	1963.36	0.0	981.68	0.0
load	N_1800067975	constant_power_A_reac	645.324	0.0	322.662	0.0
load	N_1800067975	constant_power_B_reac	645.324	0.0	322.662	0.0
load	N_1800067974	constant_power_A	26.413	8.68153	13.2065	4.340765
load	N_1800067974	constant_power_B	26.413	8.68153	13.2065	4.340765
load	N_1800067974	constant_power_A_real	26.413	0.0	13.2065	0.0
load	N_1800067974	constant_power_B_real	26.413	0.0	13.2065	0.0
load	N_1800067974	constant_power_A_reac	8.68153	0.0	4.340765	0.0
load	N_1800067974	constant_power_B_reac	8.68153	0.0	4.340765	0.0
load	N_1800067978	constant_power_A	893.636	293.724	446.818	146.862
load	N_1800067978	constant_power_B	893.636	293.724	446.818	146.862
load	N_1800067978	constant_power_A_real	893.636	0.0	446.818	0.0
load	N_1800067978	constant_power_B_real	893.636	0.0	446.818	0.0
load	N_1800067978	constant_power_A_reac	293.724	0.0	146.862	0.0
load	N_1800067978	constant_power_B_reac	293.724	0.0	146.862	0.0
load	N_1800078289	constant_power_A	2113.03	694.519	1056.515	347.2595
load	N_1800078289	constant_power_B	2113.03	694.519	1056.515	347.2595
load	N_1800078289	constant_power_A_real	2113.03	0.0	1056.515	0.0
load	N_1800078289	constant_power_B_real	2113.03	0.0	1056.515	0.0
load	N_1800078289	constant_power_A_reac	694.519	0.0	347.2595	0.0
load	N_1800078289	constant_power_B_reac	694.519	0.0	347.2595	0.0
load	N_1800068318	constant_power_A	5376.49	3332.05	2688.245	1666.025
load	N_1800068318	constant_power_B	5376.49	3332.05	2688.245	1666.025
load	N_1800068318	constant_power_C	5376.49	3332.05	2688.245	1666.025
load	N_1800068318	constant_power_A_real	5376.49	0.0	2688.245	0.0
load	N_1800068318	constant_power_B_real	5376.49	0.0	2688.245	0.0
load	N_1800068318	constant_power_C_real	5376.49	0.0	2688.245	0.0
load	N_1800068318	constant_power_A_reac	3332.05	0.0	1666.025	0.0
load	N_1800068318	constant_power_B_reac	3332.05	0.0	1666.025	0.0
load	N_1800068318	constant_power_C_reac	3332.05	0.0	1666.025	0.0
load	N_1800069103	constant_power_A	1529.01	502.562	764.505	251.281
load	N_1800069103	constant_power_B	1529.01	502.562	764.505	251.281
load	N_1800069103	constant_power_C	1529.01	502.562	764.505	251.281
load	N_1800069103	constant_power_A_real	1529.01	0.0	764.505	0.0
load	N_1800069103	constant_power_B_real	1529.01	0.0	764.505	0.0
load	N_1800069103	constant_power_C_real	1529.01	0.0	764.505	0.0
load	N_1800069103	constant_power_A_reac	502.562	0.0	251.281	0.0
load	N_1800069103	constant_power_B_reac	502.562	0.0	251.281	0.0
load	N_1800069103	constant_power_C_reac	502.562	0.0	251.281	0.0
load	N_1800069101	constant_power_A	2262.7	743.715	1131.35	371.8575
load	N_1800069101	constant_power_B	2262.7	743.715	1131.35	371.8575
load	N_1800069101	constant_power_A_real	2262.7	0.0	1131.35	0.0
load	N_1800069101	constant_power_B_real	2262.7	0.0	1131.35	0.0
load	N_1800069101	constant_power_A_reac	743.715	0.0	371.8575	0.0
load	N_1800069101	constant_power_B_reac	743.715	0.0	371.8575	0.0
load	N_1800069105	constant_power_A	1272.22	418.158	636.11	209.079
load	N_1800069105	constant_power_B	1272.22	418.158	636.11	209.079
load	N_1800069105	constant_power_A_real	1272.22	0.0	636.11	0.0
load	N_1800069105	constant_power_B_real	1272.22	0.0	636.11	0.0
load	N_1800069105	constant_power_A_reac	418.158	0.0	209.079	0.0
load	N_1800069105	constant_power_B_reac	418.158	0.0	209.079	0.0
load	N_1800032076	constant_power_A	1446.84	490.928	723.42	245.464
load	N_1800032076	constant_power_B	1446.84	490.928	723.42	245.464
load	N_1800032076	constant_power_C	1446.84	490.928	723.42	245.464
load	N_1800032076	constant_power_A_real	1446.84	0.0	723.42	0.0
load	N_1800032076	constant_power_B_real	1446.84	0.0	723.42	0.0
load	N_1800032076	constant_power_C_real	1446.84	0.0	723.42	0.0
load	N_1800032076	constant_power_A_reac	490.928	0.0	245.464	0.0
load	N_1800032076	constant_power_B_reac	490.928	0.0	245.464	0.0
load	N_1800032076	constant_power_C_reac	490.928	0.0	245.464	0.0
load	N_1800032077	constant_power_A	1624.39	533.912	812.195	266.956
load	N_1800032077	constant_power_B	1624.39	533.912	812.195	266.956
load	N_1800032077	constant_power_A_real	1624.39	0.0	812.195	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800032077	constant_power_B_real	1624.39	0.0	812.195	0.0
load	N_1800032077	constant_power_A_reac	533.912	0.0	266.956	0.0
load	N_1800032077	constant_power_B_reac	533.912	0.0	266.956	0.0
load	N_1800070344	constant_power_A	2881.94	947.247	1440.97	473.6235
load	N_1800070344	constant_power_B	2881.94	947.247	1440.97	473.6235
load	N_1800070344	constant_power_C	2881.94	947.247	1440.97	473.6235
load	N_1800070344	constant_power_A_real	2881.94	0.0	1440.97	0.0
load	N_1800070344	constant_power_B_real	2881.94	0.0	1440.97	0.0
load	N_1800070344	constant_power_C_real	2881.94	0.0	1440.97	0.0
load	N_1800070344	constant_power_A_reac	947.247	0.0	473.6235	0.0
load	N_1800070344	constant_power_B_reac	947.247	0.0	473.6235	0.0
load	N_1800070344	constant_power_C_reac	947.247	0.0	473.6235	0.0
load	N_1800032075	constant_power_A	2253.9	740.821	1126.95	370.4105
load	N_1800032075	constant_power_B	2253.9	740.821	1126.95	370.4105
load	N_1800032075	constant_power_A_real	2253.9	0.0	1126.95	0.0
load	N_1800032075	constant_power_B_real	2253.9	0.0	1126.95	0.0
load	N_1800032075	constant_power_A_reac	740.821	0.0	370.4105	0.0
load	N_1800032075	constant_power_B_reac	740.821	0.0	370.4105	0.0
load	N_1800003711	constant_power_A	2518.03	827.636	1259.015	413.818
load	N_1800003711	constant_power_B	2518.03	827.636	1259.015	413.818
load	N_1800003711	constant_power_A_real	2518.03	0.0	1259.015	0.0
load	N_1800003711	constant_power_B_real	2518.03	0.0	1259.015	0.0
load	N_1800003711	constant_power_A_reac	827.636	0.0	413.818	0.0
load	N_1800003711	constant_power_B_reac	827.636	0.0	413.818	0.0
load	N_1800072677	constant_power_A	6154.2	2022.79	3077.1	1011.395
load	N_1800072677	constant_power_A_real	6154.2	0.0	3077.1	0.0
load	N_1800072677	constant_power_A_reac	2022.79	0.0	1011.395	0.0
load	N_1800038012	constant_power_A	541.464	177.971	270.732	88.9855
load	N_1800038012	constant_power_B	541.464	177.971	270.732	88.9855
load	N_1800038012	constant_power_A_real	541.464	0.0	270.732	0.0
load	N_1800038012	constant_power_B_real	541.464	0.0	270.732	0.0
load	N_1800038012	constant_power_A_reac	177.971	0.0	88.9855	0.0
load	N_1800038012	constant_power_B_reac	177.971	0.0	88.9855	0.0
load	N_1800038013	constant_power_A	404.997	133.116	202.4985	66.558
load	N_1800038013	constant_power_B	404.997	133.116	202.4985	66.558
load	N_1800038013	constant_power_A_real	404.997	0.0	202.4985	0.0
load	N_1800038013	constant_power_B_real	404.997	0.0	202.4985	0.0
load	N_1800038013	constant_power_A_reac	133.116	0.0	66.558	0.0
load	N_1800038013	constant_power_B_reac	133.116	0.0	66.558	0.0
load	N_1800035979	constant_power_A	1857.71	610.598	928.855	305.299
load	N_1800035979	constant_power_B	1857.71	610.598	928.855	305.299
load	N_1800035979	constant_power_A_real	1857.71	0.0	928.855	0.0
load	N_1800035979	constant_power_B_real	1857.71	0.0	928.855	0.0
load	N_1800035979	constant_power_A_reac	610.598	0.0	305.299	0.0
load	N_1800035979	constant_power_B_reac	610.598	0.0	305.299	0.0
load	N_1800071345	constant_power_A	3165.14	1040.33	1582.57	520.165
load	N_1800071345	constant_power_B	3165.14	1040.33	1582.57	520.165
load	N_1800071345	constant_power_A_real	3165.14	0.0	1582.57	0.0
load	N_1800071345	constant_power_B_real	3165.14	0.0	1582.57	0.0
load	N_1800071345	constant_power_A_reac	1040.33	0.0	520.165	0.0
load	N_1800071345	constant_power_B_reac	1040.33	0.0	520.165	0.0
load	N_1800032524	constant_power_A	1285.43	422.499	642.715	211.2495
load	N_1800032524	constant_power_B	1285.43	422.499	642.715	211.2495
load	N_1800032524	constant_power_A_real	1285.43	0.0	642.715	0.0
load	N_1800032524	constant_power_B_real	1285.43	0.0	642.715	0.0
load	N_1800032524	constant_power_A_reac	422.499	0.0	211.2495	0.0
load	N_1800032524	constant_power_B_reac	422.499	0.0	211.2495	0.0
load	N_1800069693	constant_power_A	2091.02	687.285	1045.51	343.6425
load	N_1800069693	constant_power_B	2091.02	687.285	1045.51	343.6425
load	N_1800069693	constant_power_A_real	2091.02	0.0	1045.51	0.0
load	N_1800069693	constant_power_B_real	2091.02	0.0	1045.51	0.0
load	N_1800069693	constant_power_A_reac	687.285	0.0	343.6425	0.0
load	N_1800069693	constant_power_B_reac	687.285	0.0	343.6425	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800206805	constant_power_A	347.77	114.306	173.885	57.153
load	N_1800206805	constant_power_B	347.77	114.306	173.885	57.153
load	N_1800206805	constant_power_A_real	347.77	0.0	173.885	0.0
load	N_1800206805	constant_power_B_real	347.77	0.0	173.885	0.0
load	N_1800206805	constant_power_A_reac	114.306	0.0	57.153	0.0
load	N_1800206805	constant_power_B_reac	114.306	0.0	57.153	0.0
load	N_1800070122	constant_power_A	2399.17	788.569	1199.585	394.2845
load	N_1800070122	constant_power_B	2399.17	788.569	1199.585	394.2845
load	N_1800070122	constant_power_A_real	2399.17	0.0	1199.585	0.0
load	N_1800070122	constant_power_B_real	2399.17	0.0	1199.585	0.0
load	N_1800070122	constant_power_A_reac	788.569	0.0	394.2845	0.0
load	N_1800070122	constant_power_B_reac	788.569	0.0	394.2845	0.0
load	N_1800032521	constant_power_A	748.365	245.976	374.1825	122.988
load	N_1800032521	constant_power_B	748.365	245.976	374.1825	122.988
load	N_1800032521	constant_power_A_real	748.365	0.0	374.1825	0.0
load	N_1800032521	constant_power_B_real	748.365	0.0	374.1825	0.0
load	N_1800032521	constant_power_A_reac	245.976	0.0	122.988	0.0
load	N_1800032521	constant_power_B_reac	245.976	0.0	122.988	0.0
load	N_1800032522	constant_power_A	193.694	63.6641	96.847	31.83205
load	N_1800032522	constant_power_B	193.694	63.6641	96.847	31.83205
load	N_1800032522	constant_power_A_real	193.694	0.0	96.847	0.0
load	N_1800032522	constant_power_B_real	193.694	0.0	96.847	0.0
load	N_1800032522	constant_power_A_reac	63.6641	0.0	31.83205	0.0
load	N_1800032522	constant_power_B_reac	63.6641	0.0	31.83205	0.0
load	N_1800068181	constant_power_A	977.276	321.215	488.638	160.6075
load	N_1800068181	constant_power_B	977.276	321.215	488.638	160.6075
load	N_1800068181	constant_power_A_real	977.276	0.0	488.638	0.0
load	N_1800068181	constant_power_B_real	977.276	0.0	488.638	0.0
load	N_1800068181	constant_power_A_reac	321.215	0.0	160.6075	0.0
load	N_1800068181	constant_power_B_reac	321.215	0.0	160.6075	0.0
load	N_1800068180	constant_power_A	3468.89	1396.43	1734.445	698.215
load	N_1800068180	constant_power_B	3468.89	1396.43	1734.445	698.215
load	N_1800068180	constant_power_A_real	3468.89	0.0	1734.445	0.0
load	N_1800068180	constant_power_B_real	3468.89	0.0	1734.445	0.0
load	N_1800068180	constant_power_A_reac	1396.43	0.0	698.215	0.0
load	N_1800068180	constant_power_B_reac	1396.43	0.0	698.215	0.0
load	N_1800068183	constant_power_A	3275.2	1107.26	1637.6	553.63
load	N_1800068183	constant_power_B	3275.2	1107.26	1637.6	553.63
load	N_1800068183	constant_power_A_real	3275.2	0.0	1637.6	0.0
load	N_1800068183	constant_power_B_real	3275.2	0.0	1637.6	0.0
load	N_1800068183	constant_power_A_reac	1107.26	0.0	553.63	0.0
load	N_1800068183	constant_power_B_reac	1107.26	0.0	553.63	0.0
load	N_1800068182	constant_power_A	1611.18	529.571	805.59	264.7855
load	N_1800068182	constant_power_B	1611.18	529.571	805.59	264.7855
load	N_1800068182	constant_power_A_real	1611.18	0.0	805.59	0.0
load	N_1800068182	constant_power_B_real	1611.18	0.0	805.59	0.0
load	N_1800068182	constant_power_A_reac	529.571	0.0	264.7855	0.0
load	N_1800068182	constant_power_B_reac	529.571	0.0	264.7855	0.0
load	N_1800068184	constant_power_A	889.233	292.277	444.6165	146.1385
load	N_1800068184	constant_power_B	889.233	292.277	444.6165	146.1385
load	N_1800068184	constant_power_A_real	889.233	0.0	444.6165	0.0
load	N_1800068184	constant_power_B_real	889.233	0.0	444.6165	0.0
load	N_1800068184	constant_power_A_reac	292.277	0.0	146.1385	0.0
load	N_1800068184	constant_power_B_reac	292.277	0.0	146.1385	0.0
load	N_1800068186	constant_power_A	2804.17	921.685	1402.085	460.8425
load	N_1800068186	constant_power_B	2804.17	921.685	1402.085	460.8425
load	N_1800068186	constant_power_A_real	2804.17	0.0	1402.085	0.0
load	N_1800068186	constant_power_B_real	2804.17	0.0	1402.085	0.0
load	N_1800068186	constant_power_A_reac	921.685	0.0	460.8425	0.0
load	N_1800068186	constant_power_B_reac	921.685	0.0	460.8425	0.0
load	N_1800069748	constant_power_A	1175.37	386.326	587.685	193.163
load	N_1800069748	constant_power_B	1175.37	386.326	587.685	193.163
load	N_1800069748	constant_power_A_real	1175.37	0.0	587.685	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069748	constant_power_B_real	1175.37	0.0	587.685	0.0
load	N_1800069748	constant_power_A_reac	386.326	0.0	193.163	0.0
load	N_1800069748	constant_power_B_reac	386.326	0.0	193.163	0.0
load	N_1800068346	constant_power_A	924.451	303.852	462.2255	151.926
load	N_1800068346	constant_power_B	924.451	303.852	462.2255	151.926
load	N_1800068346	constant_power_A_real	924.451	0.0	462.2255	0.0
load	N_1800068346	constant_power_B_real	924.451	0.0	462.2255	0.0
load	N_1800068346	constant_power_A_reac	303.852	0.0	151.926	0.0
load	N_1800068346	constant_power_B_reac	303.852	0.0	151.926	0.0
load	N_1800068343	constant_power_A	5664.09	1861.7	2832.045	930.85
load	N_1800068343	constant_power_B	5664.09	1861.7	2832.045	930.85
load	N_1800068343	constant_power_C	5664.09	1861.7	2832.045	930.85
load	N_1800068343	constant_power_A_real	5664.09	0.0	2832.045	0.0
load	N_1800068343	constant_power_B_real	5664.09	0.0	2832.045	0.0
load	N_1800068343	constant_power_C_real	5664.09	0.0	2832.045	0.0
load	N_1800068343	constant_power_A_reac	1861.7	0.0	930.85	0.0
load	N_1800068343	constant_power_B_reac	1861.7	0.0	930.85	0.0
load	N_1800068343	constant_power_C_reac	1861.7	0.0	930.85	0.0
load	N_1800068614	constant_power_A	1752.05	575.872	876.025	287.936
load	N_1800068614	constant_power_B	1752.05	575.872	876.025	287.936
load	N_1800068614	constant_power_A_real	1752.05	0.0	876.025	0.0
load	N_1800068614	constant_power_B_real	1752.05	0.0	876.025	0.0
load	N_1800068614	constant_power_A_reac	575.872	0.0	287.936	0.0
load	N_1800068614	constant_power_B_reac	575.872	0.0	287.936	0.0
load	N_1800068341	constant_power_A	3744.76	2320.79	1872.38	1160.395
load	N_1800068341	constant_power_B	3744.76	2320.79	1872.38	1160.395
load	N_1800068341	constant_power_C	3744.76	2320.79	1872.38	1160.395
load	N_1800068341	constant_power_A_real	3744.76	0.0	1872.38	0.0
load	N_1800068341	constant_power_B_real	3744.76	0.0	1872.38	0.0
load	N_1800068341	constant_power_C_real	3744.76	0.0	1872.38	0.0
load	N_1800068341	constant_power_A_reac	2320.79	0.0	1160.395	0.0
load	N_1800068341	constant_power_B_reac	2320.79	0.0	1160.395	0.0
load	N_1800068341	constant_power_C_reac	2320.79	0.0	1160.395	0.0
load	N_1800069740	constant_power_A	638.311	209.803	319.1555	104.9015
load	N_1800069740	constant_power_B	638.311	209.803	319.1555	104.9015
load	N_1800069740	constant_power_A_real	638.311	0.0	319.1555	0.0
load	N_1800069740	constant_power_B_real	638.311	0.0	319.1555	0.0
load	N_1800069740	constant_power_A_reac	209.803	0.0	104.9015	0.0
load	N_1800069740	constant_power_B_reac	209.803	0.0	104.9015	0.0
load	N_1800068618	constant_power_A	701.409	230.542	350.7045	115.271
load	N_1800068618	constant_power_B	701.409	230.542	350.7045	115.271
load	N_1800068618	constant_power_C	701.409	230.542	350.7045	115.271
load	N_1800068618	constant_power_A_real	701.409	0.0	350.7045	0.0
load	N_1800068618	constant_power_B_real	701.409	0.0	350.7045	0.0
load	N_1800068618	constant_power_C_real	701.409	0.0	350.7045	0.0
load	N_1800068618	constant_power_A_reac	230.542	0.0	115.271	0.0
load	N_1800068618	constant_power_B_reac	230.542	0.0	115.271	0.0
load	N_1800068618	constant_power_C_reac	230.542	0.0	115.271	0.0
load	N_1800069746	constant_power_A	1232.6	405.136	616.3	202.568
load	N_1800069746	constant_power_B	1232.6	405.136	616.3	202.568
load	N_1800069746	constant_power_A_real	1232.6	0.0	616.3	0.0
load	N_1800069746	constant_power_B_real	1232.6	0.0	616.3	0.0
load	N_1800069746	constant_power_A_reac	405.136	0.0	202.568	0.0
load	N_1800069746	constant_power_B_reac	405.136	0.0	202.568	0.0
load	N_1800069747	constant_power_A	2856.99	939.048	1428.495	469.524
load	N_1800069747	constant_power_B	2856.99	939.048	1428.495	469.524
load	N_1800069747	constant_power_A_real	2856.99	0.0	1428.495	0.0
load	N_1800069747	constant_power_B_real	2856.99	0.0	1428.495	0.0
load	N_1800069747	constant_power_A_reac	939.048	0.0	469.524	0.0
load	N_1800069747	constant_power_B_reac	939.048	0.0	469.524	0.0
load	N_1800012061	constant_power_A	968.472	318.321	484.236	159.1605
load	N_1800012061	constant_power_B	968.472	318.321	484.236	159.1605
load	N_1800012061	constant_power_A_real	968.472	0.0	484.236	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800012061	constant_power_B_real	968.472	0.0	484.236	0.0
load	N_1800012061	constant_power_A_reac	318.321	0.0	159.1605	0.0
load	N_1800012061	constant_power_B_reac	318.321	0.0	159.1605	0.0
load	N_1800069588	constant_power_A	1518.74	499.186	759.37	249.593
load	N_1800069588	constant_power_B	1518.74	499.186	759.37	249.593
load	N_1800069588	constant_power_A_real	1518.74	0.0	759.37	0.0
load	N_1800069588	constant_power_B_real	1518.74	0.0	759.37	0.0
load	N_1800069588	constant_power_A_reac	499.186	0.0	249.593	0.0
load	N_1800069588	constant_power_B_reac	499.186	0.0	249.593	0.0
load	N_1800069586	constant_power_A	999.287	328.45	499.6435	164.225
load	N_1800069586	constant_power_B	999.287	328.45	499.6435	164.225
load	N_1800069586	constant_power_A_real	999.287	0.0	499.6435	0.0
load	N_1800069586	constant_power_B_real	999.287	0.0	499.6435	0.0
load	N_1800069586	constant_power_A_reac	328.45	0.0	164.225	0.0
load	N_1800069586	constant_power_B_reac	328.45	0.0	164.225	0.0
load	N_1800069584	constant_power_A	827.603	512.902	413.8015	256.451
load	N_1800069584	constant_power_B	827.603	512.902	413.8015	256.451
load	N_1800069584	constant_power_C	827.603	512.902	413.8015	256.451
load	N_1800069584	constant_power_A_real	827.603	0.0	413.8015	0.0
load	N_1800069584	constant_power_B_real	827.603	0.0	413.8015	0.0
load	N_1800069584	constant_power_C_real	827.603	0.0	413.8015	0.0
load	N_1800069584	constant_power_A_reac	512.902	0.0	256.451	0.0
load	N_1800069584	constant_power_B_reac	512.902	0.0	256.451	0.0
load	N_1800069584	constant_power_C_reac	512.902	0.0	256.451	0.0
load	N_1800069583	constant_power_A	5303.12	3286.58	2651.56	1643.29
load	N_1800069583	constant_power_B	5303.12	3286.58	2651.56	1643.29
load	N_1800069583	constant_power_C	5303.12	3286.58	2651.56	1643.29
load	N_1800069583	constant_power_A_real	5303.12	0.0	2651.56	0.0
load	N_1800069583	constant_power_B_real	5303.12	0.0	2651.56	0.0
load	N_1800069583	constant_power_C_real	5303.12	0.0	2651.56	0.0
load	N_1800069583	constant_power_A_reac	3286.58	0.0	1643.29	0.0
load	N_1800069583	constant_power_B_reac	3286.58	0.0	1643.29	0.0
load	N_1800069583	constant_power_C_reac	3286.58	0.0	1643.29	0.0
load	N_1800069960	constant_power_A	334.563	109.966	167.2815	54.983
load	N_1800069960	constant_power_B	334.563	109.966	167.2815	54.983
load	N_1800069960	constant_power_A_real	334.563	0.0	167.2815	0.0
load	N_1800069960	constant_power_B_real	334.563	0.0	167.2815	0.0
load	N_1800069960	constant_power_A_reac	109.966	0.0	54.983	0.0
load	N_1800069960	constant_power_B_reac	109.966	0.0	54.983	0.0
load	N_1800069961	constant_power_A	842.277	276.843	421.1385	138.4215
load	N_1800069961	constant_power_B	842.277	276.843	421.1385	138.4215
load	N_1800069961	constant_power_C	842.277	276.843	421.1385	138.4215
load	N_1800069961	constant_power_A_real	842.277	0.0	421.1385	0.0
load	N_1800069961	constant_power_B_real	842.277	0.0	421.1385	0.0
load	N_1800069961	constant_power_C_real	842.277	0.0	421.1385	0.0
load	N_1800069961	constant_power_A_reac	276.843	0.0	138.4215	0.0
load	N_1800069961	constant_power_B_reac	276.843	0.0	138.4215	0.0
load	N_1800069961	constant_power_C_reac	276.843	0.0	138.4215	0.0
load	N_1800069962	constant_power_A	763.039	250.799	381.5195	125.3995
load	N_1800069962	constant_power_B	763.039	250.799	381.5195	125.3995
load	N_1800069962	constant_power_C	763.039	250.799	381.5195	125.3995
load	N_1800069962	constant_power_A_real	763.039	0.0	381.5195	0.0
load	N_1800069962	constant_power_B_real	763.039	0.0	381.5195	0.0
load	N_1800069962	constant_power_C_real	763.039	0.0	381.5195	0.0
load	N_1800069962	constant_power_A_reac	250.799	0.0	125.3995	0.0
load	N_1800069962	constant_power_B_reac	250.799	0.0	125.3995	0.0
load	N_1800069962	constant_power_C_reac	250.799	0.0	125.3995	0.0
load	N_1800192128	constant_power_A	462.225	151.926	231.1125	75.963
load	N_1800192128	constant_power_B	462.225	151.926	231.1125	75.963
load	N_1800192128	constant_power_A_real	462.225	0.0	231.1125	0.0
load	N_1800192128	constant_power_B_real	462.225	0.0	231.1125	0.0
load	N_1800192128	constant_power_A_reac	151.926	0.0	75.963	0.0
load	N_1800192128	constant_power_B_reac	151.926	0.0	75.963	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069967	constant_power_A	708.745	235.516	354.3725	117.758
load	N_1800069967	constant_power_B	708.745	235.516	354.3725	117.758
load	N_1800069967	constant_power_A_real	708.745	0.0	354.3725	0.0
load	N_1800069967	constant_power_B_real	708.745	0.0	354.3725	0.0
load	N_1800069967	constant_power_A_reac	235.516	0.0	117.758	0.0
load	N_1800069967	constant_power_B_reac	235.516	0.0	117.758	0.0
load	N_1800014082	constant_power_A	144352.0	89461.4	72176.0	44730.7
load	N_1800014082	constant_power_B	144352.0	89461.4	72176.0	44730.7
load	N_1800014082	constant_power_C	144352.0	89461.4	72176.0	44730.7
load	N_1800014082	constant_power_A_real	144352.0	0.0	72176.0	0.0
load	N_1800014082	constant_power_B_real	144352.0	0.0	72176.0	0.0
load	N_1800014082	constant_power_C_real	144352.0	0.0	72176.0	0.0
load	N_1800014082	constant_power_A_reac	89461.4	0.0	44730.7	0.0
load	N_1800014082	constant_power_B_reac	89461.4	0.0	44730.7	0.0
load	N_1800014082	constant_power_C_reac	89461.4	0.0	44730.7	0.0
load	N_1800068983	constant_power_A	2121.83	1010.05	1060.915	505.025
load	N_1800068983	constant_power_B	2121.83	1010.05	1060.915	505.025
load	N_1800068983	constant_power_C	2121.83	1010.05	1060.915	505.025
load	N_1800068983	constant_power_A_real	2121.83	0.0	1060.915	0.0
load	N_1800068983	constant_power_B_real	2121.83	0.0	1060.915	0.0
load	N_1800068983	constant_power_C_real	2121.83	0.0	1060.915	0.0
load	N_1800068983	constant_power_A_reac	1010.05	0.0	505.025	0.0
load	N_1800068983	constant_power_B_reac	1010.05	0.0	505.025	0.0
load	N_1800068983	constant_power_C_reac	1010.05	0.0	505.025	0.0
load	N_1800070633	constant_power_A	4771.93	1568.46	2385.965	784.23
load	N_1800070633	constant_power_B	4771.93	1568.46	2385.965	784.23
load	N_1800070633	constant_power_A_real	4771.93	0.0	2385.965	0.0
load	N_1800070633	constant_power_B_real	4771.93	0.0	2385.965	0.0
load	N_1800070633	constant_power_A_reac	1568.46	0.0	784.23	0.0
load	N_1800070633	constant_power_B_reac	1568.46	0.0	784.23	0.0
load	N_1800070630	constant_power_A	2258.3	742.268	1129.15	371.134
load	N_1800070630	constant_power_B	2258.3	742.268	1129.15	371.134
load	N_1800070630	constant_power_A_real	2258.3	0.0	1129.15	0.0
load	N_1800070630	constant_power_B_real	2258.3	0.0	1129.15	0.0
load	N_1800070630	constant_power_A_reac	742.268	0.0	371.134	0.0
load	N_1800070630	constant_power_B_reac	742.268	0.0	371.134	0.0
load	N_1800070631	constant_power_A	2650.09	871.043	1325.045	435.5215
load	N_1800070631	constant_power_B	2650.09	871.043	1325.045	435.5215
load	N_1800070631	constant_power_A_real	2650.09	0.0	1325.045	0.0
load	N_1800070631	constant_power_B_real	2650.09	0.0	1325.045	0.0
load	N_1800070631	constant_power_A_reac	871.043	0.0	435.5215	0.0
load	N_1800070631	constant_power_B_reac	871.043	0.0	435.5215	0.0
load	N_1800010633	constant_power_A	3741.82	1229.88	1870.91	614.94
load	N_1800010633	constant_power_A_real	3741.82	0.0	1870.91	0.0
load	N_1800010633	constant_power_A_reac	1229.88	0.0	614.94	0.0
load	N_1800067994	constant_power_A	3420.47	1124.25	1710.235	562.125
load	N_1800067994	constant_power_B	3420.47	1124.25	1710.235	562.125
load	N_1800067994	constant_power_A_real	3420.47	0.0	1710.235	0.0
load	N_1800067994	constant_power_B_real	3420.47	0.0	1710.235	0.0
load	N_1800067994	constant_power_A_reac	1124.25	0.0	562.125	0.0
load	N_1800067994	constant_power_B_reac	1124.25	0.0	562.125	0.0
load	N_1800068501	constant_power_A	127.662	41.9605	63.831	20.98025
load	N_1800068501	constant_power_B	127.662	41.9605	63.831	20.98025
load	N_1800068501	constant_power_A_real	127.662	0.0	63.831	0.0
load	N_1800068501	constant_power_B_real	127.662	0.0	63.831	0.0
load	N_1800068501	constant_power_A_reac	41.9605	0.0	20.98025	0.0
load	N_1800068501	constant_power_B_reac	41.9605	0.0	20.98025	0.0
load	N_1800069023	constant_power_A	5702.25	3533.93	2851.125	1766.965
load	N_1800069023	constant_power_B	5702.25	3533.93	2851.125	1766.965
load	N_1800069023	constant_power_C	5702.25	3533.93	2851.125	1766.965
load	N_1800069023	constant_power_A_real	5702.25	0.0	2851.125	0.0
load	N_1800069023	constant_power_B_real	5702.25	0.0	2851.125	0.0
load	N_1800069023	constant_power_C_real	5702.25	0.0	2851.125	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069023	constant_power_A_reac	3533.93	0.0	1766.965	0.0
load	N_1800069023	constant_power_B_reac	3533.93	0.0	1766.965	0.0
load	N_1800069023	constant_power_C_reac	3533.93	0.0	1766.965	0.0
load	N_1800070514	constant_power_A	5382.36	2699.31	2691.18	1349.655
load	N_1800070514	constant_power_B	5382.36	2699.31	2691.18	1349.655
load	N_1800070514	constant_power_C	5382.36	2699.31	2691.18	1349.655
load	N_1800070514	constant_power_A_real	5382.36	0.0	2691.18	0.0
load	N_1800070514	constant_power_B_real	5382.36	0.0	2691.18	0.0
load	N_1800070514	constant_power_C_real	5382.36	0.0	2691.18	0.0
load	N_1800070514	constant_power_A_reac	2699.31	0.0	1349.655	0.0
load	N_1800070514	constant_power_B_reac	2699.31	0.0	1349.655	0.0
load	N_1800070514	constant_power_C_reac	2699.31	0.0	1349.655	0.0
load	N_1800067990	constant_power_A	32.2823	20.0068	16.14115	10.0034
load	N_1800067990	constant_power_B	32.2823	20.0068	16.14115	10.0034
load	N_1800067990	constant_power_C	32.2823	20.0068	16.14115	10.0034
load	N_1800067990	constant_power_A_real	32.2823	0.0	16.14115	0.0
load	N_1800067990	constant_power_B_real	32.2823	0.0	16.14115	0.0
load	N_1800067990	constant_power_C_real	32.2823	0.0	16.14115	0.0
load	N_1800067990	constant_power_A_reac	20.0068	0.0	10.0034	0.0
load	N_1800067990	constant_power_B_reac	20.0068	0.0	10.0034	0.0
load	N_1800067990	constant_power_C_reac	20.0068	0.0	10.0034	0.0
load	N_1800022897	constant_power_A	22327.7	7338.76	11163.85	3669.38
load	N_1800022897	constant_power_A_real	22327.7	0.0	11163.85	0.0
load	N_1800022897	constant_power_A_reac	7338.76	0.0	3669.38	0.0
load	N_1800069362	constant_power_A	986.081	324.109	493.0405	162.0545
load	N_1800069362	constant_power_B	986.081	324.109	493.0405	162.0545
load	N_1800069362	constant_power_A_real	986.081	0.0	493.0405	0.0
load	N_1800069362	constant_power_B_real	986.081	0.0	493.0405	0.0
load	N_1800069362	constant_power_A_reac	324.109	0.0	162.0545	0.0
load	N_1800069362	constant_power_B_reac	324.109	0.0	162.0545	0.0
load	N_1800069363	constant_power_A	3125.52	1027.31	1562.76	513.655
load	N_1800069363	constant_power_B	3125.52	1027.31	1562.76	513.655
load	N_1800069363	constant_power_A_real	3125.52	0.0	1562.76	0.0
load	N_1800069363	constant_power_B_real	3125.52	0.0	1562.76	0.0
load	N_1800069363	constant_power_A_reac	1027.31	0.0	513.655	0.0
load	N_1800069363	constant_power_B_reac	1027.31	0.0	513.655	0.0
load	N_1800069360	constant_power_A	1382.27	454.331	691.135	227.1655
load	N_1800069360	constant_power_B	1382.27	454.331	691.135	227.1655
load	N_1800069360	constant_power_A_real	1382.27	0.0	691.135	0.0
load	N_1800069360	constant_power_B_real	1382.27	0.0	691.135	0.0
load	N_1800069360	constant_power_A_reac	454.331	0.0	227.1655	0.0
load	N_1800069360	constant_power_B_reac	454.331	0.0	227.1655	0.0
load	N_1800069361	constant_power_A	1998.57	656.9	999.285	328.45
load	N_1800069361	constant_power_B	1998.57	656.9	999.285	328.45
load	N_1800069361	constant_power_A_real	1998.57	0.0	999.285	0.0
load	N_1800069361	constant_power_B_real	1998.57	0.0	999.285	0.0
load	N_1800069361	constant_power_A_reac	656.9	0.0	328.45	0.0
load	N_1800069361	constant_power_B_reac	656.9	0.0	328.45	0.0
load	N_1800013255	constant_power_A	1514.34	497.739	757.17	248.8695
load	N_1800013255	constant_power_B	1514.34	497.739	757.17	248.8695
load	N_1800013255	constant_power_C	1514.34	497.739	757.17	248.8695
load	N_1800013255	constant_power_A_real	1514.34	0.0	757.17	0.0
load	N_1800013255	constant_power_B_real	1514.34	0.0	757.17	0.0
load	N_1800013255	constant_power_C_real	1514.34	0.0	757.17	0.0
load	N_1800013255	constant_power_A_reac	497.739	0.0	248.8695	0.0
load	N_1800013255	constant_power_B_reac	497.739	0.0	248.8695	0.0
load	N_1800013255	constant_power_C_reac	497.739	0.0	248.8695	0.0
load	N_1800061691	constant_power_A	9309.07	4569.96	4654.535	2284.98
load	N_1800061691	constant_power_B	9309.07	4569.96	4654.535	2284.98
load	N_1800061691	constant_power_C	9309.07	4569.96	4654.535	2284.98
load	N_1800061691	constant_power_A_real	9309.07	0.0	4654.535	0.0
load	N_1800061691	constant_power_B_real	9309.07	0.0	4654.535	0.0
load	N_1800061691	constant_power_C_real	9309.07	0.0	4654.535	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800061691	constant_power_A_reac	4569.96	0.0	2284.98	0.0
load	N_1800061691	constant_power_B_reac	4569.96	0.0	2284.98	0.0
load	N_1800061691	constant_power_C_reac	4569.96	0.0	2284.98	0.0
load	N_1800013446	constant_power_A	3562.8	1725.41	1781.4	862.705
load	N_1800013446	constant_power_B	3562.8	1725.41	1781.4	862.705
load	N_1800013446	constant_power_C	3562.8	1725.41	1781.4	862.705
load	N_1800013446	constant_power_A_real	3562.8	0.0	1781.4	0.0
load	N_1800013446	constant_power_B_real	3562.8	0.0	1781.4	0.0
load	N_1800013446	constant_power_C_real	3562.8	0.0	1781.4	0.0
load	N_1800013446	constant_power_A_reac	1725.41	0.0	862.705	0.0
load	N_1800013446	constant_power_B_reac	1725.41	0.0	862.705	0.0
load	N_1800013446	constant_power_C_reac	1725.41	0.0	862.705	0.0
load	N_1800034829	constant_power_A	770.376	253.21	385.188	126.605
load	N_1800034829	constant_power_B	770.376	253.21	385.188	126.605
load	N_1800034829	constant_power_A_real	770.376	0.0	385.188	0.0
load	N_1800034829	constant_power_B_real	770.376	0.0	385.188	0.0
load	N_1800034829	constant_power_A_reac	253.21	0.0	126.605	0.0
load	N_1800034829	constant_power_B_reac	253.21	0.0	126.605	0.0
load	N_1800034828	constant_power_A	1096.13	360.282	548.065	180.141
load	N_1800034828	constant_power_B	1096.13	360.282	548.065	180.141
load	N_1800034828	constant_power_A_real	1096.13	0.0	548.065	0.0
load	N_1800034828	constant_power_B_real	1096.13	0.0	548.065	0.0
load	N_1800034828	constant_power_A_reac	360.282	0.0	180.141	0.0
load	N_1800034828	constant_power_B_reac	360.282	0.0	180.141	0.0
load	N_1800079460	constant_power_A	10312.8	6391.28	5156.4	3195.64
load	N_1800079460	constant_power_B	10312.8	6391.28	5156.4	3195.64
load	N_1800079460	constant_power_C	10312.8	6391.28	5156.4	3195.64
load	N_1800079460	constant_power_A_real	10312.8	0.0	5156.4	0.0
load	N_1800079460	constant_power_B_real	10312.8	0.0	5156.4	0.0
load	N_1800079460	constant_power_C_real	10312.8	0.0	5156.4	0.0
load	N_1800079460	constant_power_A_reac	6391.28	0.0	3195.64	0.0
load	N_1800079460	constant_power_B_reac	6391.28	0.0	3195.64	0.0
load	N_1800079460	constant_power_C_reac	6391.28	0.0	3195.64	0.0
load	N_1800039784	constant_power_A	57571.3	35679.5	28785.65	17839.75
load	N_1800039784	constant_power_B	57571.3	35679.5	28785.65	17839.75
load	N_1800039784	constant_power_C	57571.3	35679.5	28785.65	17839.75
load	N_1800039784	constant_power_A_real	57571.3	0.0	28785.65	0.0
load	N_1800039784	constant_power_B_real	57571.3	0.0	28785.65	0.0
load	N_1800039784	constant_power_C_real	57571.3	0.0	28785.65	0.0
load	N_1800039784	constant_power_A_reac	35679.5	0.0	17839.75	0.0
load	N_1800039784	constant_power_B_reac	35679.5	0.0	17839.75	0.0
load	N_1800039784	constant_power_C_reac	35679.5	0.0	17839.75	0.0
load	N_1800021966	constant_power_A	5223.88	1980.95	2611.94	990.475
load	N_1800021966	constant_power_B	5223.88	1980.95	2611.94	990.475
load	N_1800021966	constant_power_C	5223.88	1980.95	2611.94	990.475
load	N_1800021966	constant_power_A_real	5223.88	0.0	2611.94	0.0
load	N_1800021966	constant_power_B_real	5223.88	0.0	2611.94	0.0
load	N_1800021966	constant_power_C_real	5223.88	0.0	2611.94	0.0
load	N_1800021966	constant_power_A_reac	1980.95	0.0	990.475	0.0
load	N_1800021966	constant_power_B_reac	1980.95	0.0	990.475	0.0
load	N_1800021966	constant_power_C_reac	1980.95	0.0	990.475	0.0
load	N_1800039782	constant_power_A	5.86967	1.92927	2.934835	0.964635
load	N_1800039782	constant_power_B	5.86967	1.92927	2.934835	0.964635
load	N_1800039782	constant_power_C	5.86967	1.92927	2.934835	0.964635
load	N_1800039782	constant_power_A_real	5.86967	0.0	2.934835	0.0
load	N_1800039782	constant_power_B_real	5.86967	0.0	2.934835	0.0
load	N_1800039782	constant_power_C_real	5.86967	0.0	2.934835	0.0
load	N_1800039782	constant_power_A_reac	1.92927	0.0	0.964635	0.0
load	N_1800039782	constant_power_B_reac	1.92927	0.0	0.964635	0.0
load	N_1800039782	constant_power_C_reac	1.92927	0.0	0.964635	0.0
load	N_1800068165	constant_power_A	1461.51	480.376	730.755	240.188
load	N_1800068165	constant_power_B	1461.51	480.376	730.755	240.188
load	N_1800068165	constant_power_A_real	1461.51	0.0	730.755	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068165	constant_power_B_real	1461.51	0.0	730.755	0.0
load	N_1800068165	constant_power_A_reac	480.376	0.0	240.188	0.0
load	N_1800068165	constant_power_B_reac	480.376	0.0	240.188	0.0
load	N_1800068164	constant_power_A	1862.11	612.045	931.055	306.0225
load	N_1800068164	constant_power_B	1862.11	612.045	931.055	306.0225
load	N_1800068164	constant_power_A_real	1862.11	0.0	931.055	0.0
load	N_1800068164	constant_power_B_real	1862.11	0.0	931.055	0.0
load	N_1800068164	constant_power_A_reac	612.045	0.0	306.0225	0.0
load	N_1800068164	constant_power_B_reac	612.045	0.0	306.0225	0.0
load	N_1800045961	constant_power_A	3640.57	2256.23	1820.285	1128.115
load	N_1800045961	constant_power_C	3640.57	2256.23	1820.285	1128.115
load	N_1800045961	constant_power_A_real	3640.57	0.0	1820.285	0.0
load	N_1800045961	constant_power_C_real	3640.57	0.0	1820.285	0.0
load	N_1800045961	constant_power_A_reac	2256.23	0.0	1128.115	0.0
load	N_1800045961	constant_power_C_reac	2256.23	0.0	1128.115	0.0
load	N_1800038787	constant_power_A	1492.33	490.504	746.165	245.252
load	N_1800038787	constant_power_B	1492.33	490.504	746.165	245.252
load	N_1800038787	constant_power_A_real	1492.33	0.0	746.165	0.0
load	N_1800038787	constant_power_B_real	1492.33	0.0	746.165	0.0
load	N_1800038787	constant_power_A_reac	490.504	0.0	245.252	0.0
load	N_1800038787	constant_power_B_reac	490.504	0.0	245.252	0.0
load	N_1800038785	constant_power_A	3922.31	1289.2	1961.155	644.6
load	N_1800038785	constant_power_B	3922.31	1289.2	1961.155	644.6
load	N_1800038785	constant_power_A_real	3922.31	0.0	1961.155	0.0
load	N_1800038785	constant_power_B_real	3922.31	0.0	1961.155	0.0
load	N_1800038785	constant_power_A_reac	1289.2	0.0	644.6	0.0
load	N_1800038785	constant_power_B_reac	1289.2	0.0	644.6	0.0
load	N_1800010248	constant_power_A	6896.7	4274.19	3448.35	2137.095
load	N_1800010248	constant_power_B	6896.7	4274.19	3448.35	2137.095
load	N_1800010248	constant_power_C	6896.7	4274.19	3448.35	2137.095
load	N_1800010248	constant_power_A_real	6896.7	0.0	3448.35	0.0
load	N_1800010248	constant_power_B_real	6896.7	0.0	3448.35	0.0
load	N_1800010248	constant_power_C_real	6896.7	0.0	3448.35	0.0
load	N_1800010248	constant_power_A_reac	4274.19	0.0	2137.095	0.0
load	N_1800010248	constant_power_B_reac	4274.19	0.0	2137.095	0.0
load	N_1800010248	constant_power_C_reac	4274.19	0.0	2137.095	0.0
load	N_1800038788	constant_power_A	12017.9	4000.05	6008.95	2000.025
load	N_1800038788	constant_power_B	12017.9	4000.05	6008.95	2000.025
load	N_1800038788	constant_power_A_real	12017.9	0.0	6008.95	0.0
load	N_1800038788	constant_power_B_real	12017.9	0.0	6008.95	0.0
load	N_1800038788	constant_power_A_reac	4000.05	0.0	2000.025	0.0
load	N_1800038788	constant_power_B_reac	4000.05	0.0	2000.025	0.0
load	N_1800038789	constant_power_A	2201.07	723.458	1100.535	361.729
load	N_1800038789	constant_power_B	2201.07	723.458	1100.535	361.729
load	N_1800038789	constant_power_A_real	2201.07	0.0	1100.535	0.0
load	N_1800038789	constant_power_B_real	2201.07	0.0	1100.535	0.0
load	N_1800038789	constant_power_A_reac	723.458	0.0	361.729	0.0
load	N_1800038789	constant_power_B_reac	723.458	0.0	361.729	0.0
load	N_1800070917	constant_power_A	1153.36	379.092	576.68	189.546
load	N_1800070917	constant_power_B	1153.36	379.092	576.68	189.546
load	N_1800070917	constant_power_A_real	1153.36	0.0	576.68	0.0
load	N_1800070917	constant_power_B_real	1153.36	0.0	576.68	0.0
load	N_1800070917	constant_power_A_reac	379.092	0.0	189.546	0.0
load	N_1800070917	constant_power_B_reac	379.092	0.0	189.546	0.0
load	N_1800068389	constant_power_A	1487.92	489.057	743.96	244.5285
load	N_1800068389	constant_power_B	1487.92	489.057	743.96	244.5285
load	N_1800068389	constant_power_A_real	1487.92	0.0	743.96	0.0
load	N_1800068389	constant_power_B_real	1487.92	0.0	743.96	0.0
load	N_1800068389	constant_power_A_reac	489.057	0.0	244.5285	0.0
load	N_1800068389	constant_power_B_reac	489.057	0.0	244.5285	0.0
load	N_1800067506	constant_power_A	642.713	211.25	321.3565	105.625
load	N_1800067506	constant_power_B	642.713	211.25	321.3565	105.625
load	N_1800067506	constant_power_A_real	642.713	0.0	321.3565	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067506	constant_power_B_real	642.713	0.0	321.3565	0.0
load	N_1800067506	constant_power_A_reac	211.25	0.0	105.625	0.0
load	N_1800067506	constant_power_B_reac	211.25	0.0	105.625	0.0
load	N_1800067507	constant_power_A	215.705	70.8988	107.8525	35.4494
load	N_1800067507	constant_power_B	215.705	70.8988	107.8525	35.4494
load	N_1800067507	constant_power_A_real	215.705	0.0	107.8525	0.0
load	N_1800067507	constant_power_B_real	215.705	0.0	107.8525	0.0
load	N_1800067507	constant_power_A_reac	70.8988	0.0	35.4494	0.0
load	N_1800067507	constant_power_B_reac	70.8988	0.0	35.4494	0.0
load	N_1800045190	constant_power_A	1109.34	364.623	554.67	182.3115
load	N_1800045190	constant_power_B	1109.34	364.623	554.67	182.3115
load	N_1800045190	constant_power_A_real	1109.34	0.0	554.67	0.0
load	N_1800045190	constant_power_B_real	1109.34	0.0	554.67	0.0
load	N_1800045190	constant_power_A_reac	364.623	0.0	182.3115	0.0
load	N_1800045190	constant_power_B_reac	364.623	0.0	182.3115	0.0
load	N_1800062058	constant_power_A	18330.5	6024.96	9165.25	3012.48
load	N_1800062058	constant_power_A_real	18330.5	0.0	9165.25	0.0
load	N_1800062058	constant_power_A_reac	6024.96	0.0	3012.48	0.0
load	N_1800068989	constant_power_A	73.369	24.1152	36.6845	12.0576
load	N_1800068989	constant_power_B	73.369	24.1152	36.6845	12.0576
load	N_1800068989	constant_power_C	73.369	24.1152	36.6845	12.0576
load	N_1800068989	constant_power_A_real	73.369	0.0	36.6845	0.0
load	N_1800068989	constant_power_B_real	73.369	0.0	36.6845	0.0
load	N_1800068989	constant_power_C_real	73.369	0.0	36.6845	0.0
load	N_1800068989	constant_power_A_reac	24.1152	0.0	12.0576	0.0
load	N_1800068989	constant_power_B_reac	24.1152	0.0	12.0576	0.0
load	N_1800068989	constant_power_C_reac	24.1152	0.0	12.0576	0.0
load	N_1800077395	constant_power_A	818.799	269.126	409.3995	134.563
load	N_1800077395	constant_power_B	818.799	269.126	409.3995	134.563
load	N_1800077395	constant_power_A_real	818.799	0.0	409.3995	0.0
load	N_1800077395	constant_power_B_real	818.799	0.0	409.3995	0.0
load	N_1800077395	constant_power_A_reac	269.126	0.0	134.563	0.0
load	N_1800077395	constant_power_B_reac	269.126	0.0	134.563	0.0
load	N_1800077390	constant_power_A	686.735	225.719	343.3675	112.8595
load	N_1800077390	constant_power_B	686.735	225.719	343.3675	112.8595
load	N_1800077390	constant_power_A_real	686.735	0.0	343.3675	0.0
load	N_1800077390	constant_power_B_real	686.735	0.0	343.3675	0.0
load	N_1800077390	constant_power_A_reac	225.719	0.0	112.8595	0.0
load	N_1800077390	constant_power_B_reac	225.719	0.0	112.8595	0.0
load	N_1800077391	constant_power_A	765.973	251.763	382.9865	125.8815
load	N_1800077391	constant_power_B	765.973	251.763	382.9865	125.8815
load	N_1800077391	constant_power_A_real	765.973	0.0	382.9865	0.0
load	N_1800077391	constant_power_B_real	765.973	0.0	382.9865	0.0
load	N_1800077391	constant_power_A_reac	251.763	0.0	125.8815	0.0
load	N_1800077391	constant_power_B_reac	251.763	0.0	125.8815	0.0
load	N_1800008606	constant_power_A	1212.06	398.384	606.03	199.192
load	N_1800008606	constant_power_B	1212.06	398.384	606.03	199.192
load	N_1800008606	constant_power_C	1212.06	398.384	606.03	199.192
load	N_1800008606	constant_power_A_real	1212.06	0.0	606.03	0.0
load	N_1800008606	constant_power_B_real	1212.06	0.0	606.03	0.0
load	N_1800008606	constant_power_C_real	1212.06	0.0	606.03	0.0
load	N_1800008606	constant_power_A_reac	398.384	0.0	199.192	0.0
load	N_1800008606	constant_power_B_reac	398.384	0.0	199.192	0.0
load	N_1800008606	constant_power_C_reac	398.384	0.0	199.192	0.0
load	N_1800077393	constant_power_A	629.507	206.909	314.7535	103.4545
load	N_1800077393	constant_power_B	629.507	206.909	314.7535	103.4545
load	N_1800077393	constant_power_A_real	629.507	0.0	314.7535	0.0
load	N_1800077393	constant_power_B_real	629.507	0.0	314.7535	0.0
load	N_1800077393	constant_power_A_reac	206.909	0.0	103.4545	0.0
load	N_1800077393	constant_power_B_reac	206.909	0.0	103.4545	0.0
load	N_1800011208	constant_power_A	912.712	299.994	456.356	149.997
load	N_1800011208	constant_power_B	912.712	299.994	456.356	149.997
load	N_1800011208	constant_power_C	912.712	299.994	456.356	149.997

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800011208	constant_power_A_real	912.712	0.0	456.356	0.0
load	N_1800011208	constant_power_B_real	912.712	0.0	456.356	0.0
load	N_1800011208	constant_power_C_real	912.712	0.0	456.356	0.0
load	N_1800011208	constant_power_A_reac	299.994	0.0	149.997	0.0
load	N_1800011208	constant_power_B_reac	299.994	0.0	149.997	0.0
load	N_1800011208	constant_power_C_reac	299.994	0.0	149.997	0.0
load	N_1800079199	constant_power_A	26.413	8.68153	13.2065	4.340765
load	N_1800079199	constant_power_C	26.413	8.68153	13.2065	4.340765
load	N_1800079199	constant_power_A_real	26.413	0.0	13.2065	0.0
load	N_1800079199	constant_power_C_real	26.413	0.0	13.2065	0.0
load	N_1800079199	constant_power_A_reac	8.68153	0.0	4.340765	0.0
load	N_1800079199	constant_power_C_reac	8.68153	0.0	4.340765	0.0
load	N_1800013212	constant_power_A	5291.38	1739.19	2645.69	869.595
load	N_1800013212	constant_power_B	5291.38	1739.19	2645.69	869.595
load	N_1800013212	constant_power_A_real	5291.38	0.0	2645.69	0.0
load	N_1800013212	constant_power_B_real	5291.38	0.0	2645.69	0.0
load	N_1800013212	constant_power_A_reac	1739.19	0.0	869.595	0.0
load	N_1800013212	constant_power_B_reac	1739.19	0.0	869.595	0.0
load	N_1800030333	constant_power_A	3050.69	1002.71	1525.345	501.355
load	N_1800030333	constant_power_B	3050.69	1002.71	1525.345	501.355
load	N_1800030333	constant_power_A_real	3050.69	0.0	1525.345	0.0
load	N_1800030333	constant_power_B_real	3050.69	0.0	1525.345	0.0
load	N_1800030333	constant_power_A_reac	1002.71	0.0	501.355	0.0
load	N_1800030333	constant_power_B_reac	1002.71	0.0	501.355	0.0
load	N_1800030336	constant_power_A	2469.6	811.72	1234.8	405.86
load	N_1800030336	constant_power_B	2469.6	811.72	1234.8	405.86
load	N_1800030336	constant_power_A_real	2469.6	0.0	1234.8	0.0
load	N_1800030336	constant_power_B_real	2469.6	0.0	1234.8	0.0
load	N_1800030336	constant_power_A_reac	811.72	0.0	405.86	0.0
load	N_1800030336	constant_power_B_reac	811.72	0.0	405.86	0.0
load	N_1800030335	constant_power_A	633.909	208.356	316.9545	104.178
load	N_1800030335	constant_power_B	633.909	208.356	316.9545	104.178
load	N_1800030335	constant_power_A_real	633.909	0.0	316.9545	0.0
load	N_1800030335	constant_power_B_real	633.909	0.0	316.9545	0.0
load	N_1800030335	constant_power_A_reac	208.356	0.0	104.178	0.0
load	N_1800030335	constant_power_B_reac	208.356	0.0	104.178	0.0
load	N_1800030334	constant_power_A	105.652	34.7261	52.826	17.36305
load	N_1800030334	constant_power_B	105.652	34.7261	52.826	17.36305
load	N_1800030334	constant_power_A_real	105.652	0.0	52.826	0.0
load	N_1800030334	constant_power_B_real	105.652	0.0	52.826	0.0
load	N_1800030334	constant_power_A_reac	34.7261	0.0	17.36305	0.0
load	N_1800030334	constant_power_B_reac	34.7261	0.0	17.36305	0.0
load	N_1800029465	constant_power_A	1677.22	707.592	838.61	353.796
load	N_1800029465	constant_power_B	1677.22	707.592	838.61	353.796
load	N_1800029465	constant_power_A_real	1677.22	0.0	838.61	0.0
load	N_1800029465	constant_power_B_real	1677.22	0.0	838.61	0.0
load	N_1800029465	constant_power_A_reac	707.592	0.0	353.796	0.0
load	N_1800029465	constant_power_B_reac	707.592	0.0	353.796	0.0
load	N_1800036409	constant_power_A	2592.86	852.233	1296.43	426.1165
load	N_1800036409	constant_power_B	2592.86	852.233	1296.43	426.1165
load	N_1800036409	constant_power_A_real	2592.86	0.0	1296.43	0.0
load	N_1800036409	constant_power_B_real	2592.86	0.0	1296.43	0.0
load	N_1800036409	constant_power_A_reac	852.233	0.0	426.1165	0.0
load	N_1800036409	constant_power_B_reac	852.233	0.0	426.1165	0.0
load	N_1800069925	constant_power_A	3821.06	1255.92	1910.53	627.96
load	N_1800069925	constant_power_B	3821.06	1255.92	1910.53	627.96
load	N_1800069925	constant_power_A_real	3821.06	0.0	1910.53	0.0
load	N_1800069925	constant_power_B_real	3821.06	0.0	1910.53	0.0
load	N_1800069925	constant_power_A_reac	1255.92	0.0	627.96	0.0
load	N_1800069925	constant_power_B_reac	1255.92	0.0	627.96	0.0
load	N_1800036406	constant_power_A	4763.12	2951.92	2381.56	1475.96
load	N_1800036406	constant_power_A_real	4763.12	0.0	2381.56	0.0
load	N_1800036406	constant_power_A_reac	2951.92	0.0	1475.96	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800027775	constant_power_A	968.472	318.321	484.236	159.1605
load	N_1800027775	constant_power_B	968.472	318.321	484.236	159.1605
load	N_1800027775	constant_power_A_real	968.472	0.0	484.236	0.0
load	N_1800027775	constant_power_B_real	968.472	0.0	484.236	0.0
load	N_1800027775	constant_power_A_reac	318.321	0.0	159.1605	0.0
load	N_1800027775	constant_power_B_reac	318.321	0.0	159.1605	0.0
load	N_1800027773	constant_power_A	99.782	61.8393	49.891	30.91965
load	N_1800027773	constant_power_B	99.782	61.8393	49.891	30.91965
load	N_1800027773	constant_power_C	99.782	61.8393	49.891	30.91965
load	N_1800027773	constant_power_A_real	99.782	0.0	49.891	0.0
load	N_1800027773	constant_power_B_real	99.782	0.0	49.891	0.0
load	N_1800027773	constant_power_C_real	99.782	0.0	49.891	0.0
load	N_1800027773	constant_power_A_reac	61.8393	0.0	30.91965	0.0
load	N_1800027773	constant_power_B_reac	61.8393	0.0	30.91965	0.0
load	N_1800027773	constant_power_C_reac	61.8393	0.0	30.91965	0.0
load	N_1800073259	constant_power_A	3807.86	1251.58	1903.93	625.79
load	N_1800073259	constant_power_B	3807.86	1251.58	1903.93	625.79
load	N_1800073259	constant_power_A_real	3807.86	0.0	1903.93	0.0
load	N_1800073259	constant_power_B_real	3807.86	0.0	1903.93	0.0
load	N_1800073259	constant_power_A_reac	1251.58	0.0	625.79	0.0
load	N_1800073259	constant_power_B_reac	1251.58	0.0	625.79	0.0
load	N_1800071887	constant_power_A	877.494	288.418	438.747	144.209
load	N_1800071887	constant_power_B	877.494	288.418	438.747	144.209
load	N_1800071887	constant_power_C	877.494	288.418	438.747	144.209
load	N_1800071887	constant_power_A_real	877.494	0.0	438.747	0.0
load	N_1800071887	constant_power_B_real	877.494	0.0	438.747	0.0
load	N_1800071887	constant_power_C_real	877.494	0.0	438.747	0.0
load	N_1800071887	constant_power_A_reac	288.418	0.0	144.209	0.0
load	N_1800071887	constant_power_B_reac	288.418	0.0	144.209	0.0
load	N_1800071887	constant_power_C_reac	288.418	0.0	144.209	0.0
load	N_1800071885	constant_power_A	928.853	305.299	464.4265	152.6495
load	N_1800071885	constant_power_B	928.853	305.299	464.4265	152.6495
load	N_1800071885	constant_power_A_real	928.853	0.0	464.4265	0.0
load	N_1800071885	constant_power_B_real	928.853	0.0	464.4265	0.0
load	N_1800071885	constant_power_A_reac	305.299	0.0	152.6495	0.0
load	N_1800071885	constant_power_B_reac	305.299	0.0	152.6495	0.0
load	N_1800071880	constant_power_A	1972.16	648.218	986.08	324.109
load	N_1800071880	constant_power_B	1972.16	648.218	986.08	324.109
load	N_1800071880	constant_power_A_real	1972.16	0.0	986.08	0.0
load	N_1800071880	constant_power_B_real	1972.16	0.0	986.08	0.0
load	N_1800071880	constant_power_A_reac	648.218	0.0	324.109	0.0
load	N_1800071880	constant_power_B_reac	648.218	0.0	324.109	0.0
load	N_1800073253	constant_power_A	801.191	263.339	400.5955	131.6695
load	N_1800073253	constant_power_B	801.191	263.339	400.5955	131.6695
load	N_1800073253	constant_power_C	801.191	263.339	400.5955	131.6695
load	N_1800073253	constant_power_A_real	801.191	0.0	400.5955	0.0
load	N_1800073253	constant_power_B_real	801.191	0.0	400.5955	0.0
load	N_1800073253	constant_power_C_real	801.191	0.0	400.5955	0.0
load	N_1800073253	constant_power_A_reac	263.339	0.0	131.6695	0.0
load	N_1800073253	constant_power_B_reac	263.339	0.0	131.6695	0.0
load	N_1800073253	constant_power_C_reac	263.339	0.0	131.6695	0.0
load	N_1800073254	constant_power_A	1185.64	389.703	592.82	194.8515
load	N_1800073254	constant_power_B	1185.64	389.703	592.82	194.8515
load	N_1800073254	constant_power_C	1185.64	389.703	592.82	194.8515
load	N_1800073254	constant_power_A_real	1185.64	0.0	592.82	0.0
load	N_1800073254	constant_power_B_real	1185.64	0.0	592.82	0.0
load	N_1800073254	constant_power_C_real	1185.64	0.0	592.82	0.0
load	N_1800073254	constant_power_A_reac	389.703	0.0	194.8515	0.0
load	N_1800073254	constant_power_B_reac	389.703	0.0	194.8515	0.0
load	N_1800073254	constant_power_C_reac	389.703	0.0	194.8515	0.0
load	N_1800071888	constant_power_A	619.235	203.533	309.6175	101.7665
load	N_1800071888	constant_power_B	619.235	203.533	309.6175	101.7665
load	N_1800071888	constant_power_C	619.235	203.533	309.6175	101.7665

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071888	constant_power_A_real	619.235	0.0	309.6175	0.0
load	N_1800071888	constant_power_B_real	619.235	0.0	309.6175	0.0
load	N_1800071888	constant_power_C_real	619.235	0.0	309.6175	0.0
load	N_1800071888	constant_power_A_reac	203.533	0.0	101.7665	0.0
load	N_1800071888	constant_power_B_reac	203.533	0.0	101.7665	0.0
load	N_1800071888	constant_power_C_reac	203.533	0.0	101.7665	0.0
load	N_1800073256	constant_power_A	2641.29	868.149	1320.645	434.0745
load	N_1800073256	constant_power_B	2641.29	868.149	1320.645	434.0745
load	N_1800073256	constant_power_C	2641.29	868.149	1320.645	434.0745
load	N_1800073256	constant_power_A_real	2641.29	0.0	1320.645	0.0
load	N_1800073256	constant_power_B_real	2641.29	0.0	1320.645	0.0
load	N_1800073256	constant_power_C_real	2641.29	0.0	1320.645	0.0
load	N_1800073256	constant_power_A_reac	868.149	0.0	434.0745	0.0
load	N_1800073256	constant_power_B_reac	868.149	0.0	434.0745	0.0
load	N_1800073256	constant_power_C_reac	868.149	0.0	434.0745	0.0
load	N_1800042506	constant_power_A	365.378	120.094	182.689	60.047
load	N_1800042506	constant_power_B	365.378	120.094	182.689	60.047
load	N_1800042506	constant_power_A_real	365.378	0.0	182.689	0.0
load	N_1800042506	constant_power_B_real	365.378	0.0	182.689	0.0
load	N_1800042506	constant_power_A_reac	120.094	0.0	60.047	0.0
load	N_1800042506	constant_power_B_reac	120.094	0.0	60.047	0.0
load	N_1800044005	constant_power_A	1655.21	544.04	827.605	272.02
load	N_1800044005	constant_power_B	1655.21	544.04	827.605	272.02
load	N_1800044005	constant_power_A_real	1655.21	0.0	827.605	0.0
load	N_1800044005	constant_power_B_real	1655.21	0.0	827.605	0.0
load	N_1800044005	constant_power_A_reac	544.04	0.0	272.02	0.0
load	N_1800044005	constant_power_B_reac	544.04	0.0	272.02	0.0
load	N_1800044001	constant_power_A	2245.09	1391.38	1122.545	695.69
load	N_1800044001	constant_power_B	2245.09	1391.38	1122.545	695.69
load	N_1800044001	constant_power_A_real	2245.09	0.0	1122.545	0.0
load	N_1800044001	constant_power_B_real	2245.09	0.0	1122.545	0.0
load	N_1800044001	constant_power_A_reac	1391.38	0.0	695.69	0.0
load	N_1800044001	constant_power_B_reac	1391.38	0.0	695.69	0.0
load	N_1800067321	constant_power_A	513.584	318.291	256.792	159.1455
load	N_1800067321	constant_power_B	513.584	318.291	256.792	159.1455
load	N_1800067321	constant_power_C	513.584	318.291	256.792	159.1455
load	N_1800067321	constant_power_A_real	513.584	0.0	256.792	0.0
load	N_1800067321	constant_power_B_real	513.584	0.0	256.792	0.0
load	N_1800067321	constant_power_C_real	513.584	0.0	256.792	0.0
load	N_1800067321	constant_power_A_reac	318.291	0.0	159.1455	0.0
load	N_1800067321	constant_power_B_reac	318.291	0.0	159.1455	0.0
load	N_1800067321	constant_power_C_reac	318.291	0.0	159.1455	0.0
load	N_1800067322	constant_power_A	3398.46	2106.17	1699.23	1053.085
load	N_1800067322	constant_power_B	3398.46	2106.17	1699.23	1053.085
load	N_1800067322	constant_power_A_real	3398.46	0.0	1699.23	0.0
load	N_1800067322	constant_power_B_real	3398.46	0.0	1699.23	0.0
load	N_1800067322	constant_power_A_reac	2106.17	0.0	1053.085	0.0
load	N_1800067322	constant_power_B_reac	2106.17	0.0	1053.085	0.0
load	N_1800067324	constant_power_A	748.365	245.976	374.1825	122.988
load	N_1800067324	constant_power_B	748.365	245.976	374.1825	122.988
load	N_1800067324	constant_power_C	748.365	245.976	374.1825	122.988
load	N_1800067324	constant_power_A_real	748.365	0.0	374.1825	0.0
load	N_1800067324	constant_power_B_real	748.365	0.0	374.1825	0.0
load	N_1800067324	constant_power_C_real	748.365	0.0	374.1825	0.0
load	N_1800067324	constant_power_A_reac	245.976	0.0	122.988	0.0
load	N_1800067324	constant_power_B_reac	245.976	0.0	122.988	0.0
load	N_1800067324	constant_power_C_reac	245.976	0.0	122.988	0.0
load	N_1800067325	constant_power_A	1800.48	591.789	900.24	295.8945
load	N_1800067325	constant_power_B	1800.48	591.789	900.24	295.8945
load	N_1800067325	constant_power_A_real	1800.48	0.0	900.24	0.0
load	N_1800067325	constant_power_B_real	1800.48	0.0	900.24	0.0
load	N_1800067325	constant_power_A_reac	591.789	0.0	295.8945	0.0
load	N_1800067325	constant_power_B_reac	591.789	0.0	295.8945	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800030021	constant_power_A	299.346	185.518	149.673	92.759
load	N_1800030021	constant_power_B	299.346	185.518	149.673	92.759
load	N_1800030021	constant_power_C	299.346	185.518	149.673	92.759
load	N_1800030021	constant_power_A_real	299.346	0.0	149.673	0.0
load	N_1800030021	constant_power_B_real	299.346	0.0	149.673	0.0
load	N_1800030021	constant_power_C_real	299.346	0.0	149.673	0.0
load	N_1800030021	constant_power_A_reac	185.518	0.0	92.759	0.0
load	N_1800030021	constant_power_B_reac	185.518	0.0	92.759	0.0
load	N_1800030021	constant_power_C_reac	185.518	0.0	92.759	0.0
load	N_1800001897	constant_power_A	2095.42	688.732	1047.71	344.366
load	N_1800001897	constant_power_B	2095.42	688.732	1047.71	344.366
load	N_1800001897	constant_power_A_real	2095.42	0.0	1047.71	0.0
load	N_1800001897	constant_power_B_real	2095.42	0.0	1047.71	0.0
load	N_1800001897	constant_power_A_reac	688.732	0.0	344.366	0.0
load	N_1800001897	constant_power_B_reac	688.732	0.0	344.366	0.0
load	N_1800077164	constant_power_A	1831.29	601.917	915.645	300.9585
load	N_1800077164	constant_power_B	1831.29	601.917	915.645	300.9585
load	N_1800077164	constant_power_A_real	1831.29	0.0	915.645	0.0
load	N_1800077164	constant_power_B_real	1831.29	0.0	915.645	0.0
load	N_1800077164	constant_power_A_reac	601.917	0.0	300.9585	0.0
load	N_1800077164	constant_power_B_reac	601.917	0.0	300.9585	0.0
load	N_1800034782	constant_power_A	2108.63	693.073	1054.315	346.5365
load	N_1800034782	constant_power_B	2108.63	693.073	1054.315	346.5365
load	N_1800034782	constant_power_A_real	2108.63	0.0	1054.315	0.0
load	N_1800034782	constant_power_B_real	2108.63	0.0	1054.315	0.0
load	N_1800034782	constant_power_A_reac	693.073	0.0	346.5365	0.0
load	N_1800034782	constant_power_B_reac	693.073	0.0	346.5365	0.0
load	N_1800034780	constant_power_A	1320.64	434.075	660.32	217.0375
load	N_1800034780	constant_power_B	1320.64	434.075	660.32	217.0375
load	N_1800034780	constant_power_A_real	1320.64	0.0	660.32	0.0
load	N_1800034780	constant_power_B_real	1320.64	0.0	660.32	0.0
load	N_1800034780	constant_power_A_reac	434.075	0.0	217.0375	0.0
load	N_1800034780	constant_power_B_reac	434.075	0.0	217.0375	0.0
load	N_1800072281	constant_power_A	179.021	58.8412	89.5105	29.4206
load	N_1800072281	constant_power_B	179.021	58.8412	89.5105	29.4206
load	N_1800072281	constant_power_C	179.021	58.8412	89.5105	29.4206
load	N_1800072281	constant_power_A_real	179.021	0.0	89.5105	0.0
load	N_1800072281	constant_power_B_real	179.021	0.0	89.5105	0.0
load	N_1800072281	constant_power_C_real	179.021	0.0	89.5105	0.0
load	N_1800072281	constant_power_A_reac	58.8412	0.0	29.4206	0.0
load	N_1800072281	constant_power_B_reac	58.8412	0.0	29.4206	0.0
load	N_1800072281	constant_power_C_reac	58.8412	0.0	29.4206	0.0
load	N_1800029169	constant_power_A	1619.99	532.465	809.995	266.2325
load	N_1800029169	constant_power_B	1619.99	532.465	809.995	266.2325
load	N_1800029169	constant_power_A_real	1619.99	0.0	809.995	0.0
load	N_1800029169	constant_power_B_real	1619.99	0.0	809.995	0.0
load	N_1800029169	constant_power_A_reac	532.465	0.0	266.2325	0.0
load	N_1800029169	constant_power_B_reac	532.465	0.0	266.2325	0.0
load	N_1800072287	constant_power_A	2284.71	750.949	1142.355	375.4745
load	N_1800072287	constant_power_B	2284.71	750.949	1142.355	375.4745
load	N_1800072287	constant_power_A_real	2284.71	0.0	1142.355	0.0
load	N_1800072287	constant_power_B_real	2284.71	0.0	1142.355	0.0
load	N_1800072287	constant_power_A_reac	750.949	0.0	375.4745	0.0
load	N_1800072287	constant_power_B_reac	750.949	0.0	375.4745	0.0
load	N_1800072286	constant_power_A	215.705	70.8988	107.8525	35.4494
load	N_1800072286	constant_power_B	215.705	70.8988	107.8525	35.4494
load	N_1800072286	constant_power_A_real	215.705	0.0	107.8525	0.0
load	N_1800072286	constant_power_B_real	215.705	0.0	107.8525	0.0
load	N_1800072286	constant_power_A_reac	70.8988	0.0	35.4494	0.0
load	N_1800072286	constant_power_B_reac	70.8988	0.0	35.4494	0.0
load	N_1800042022	constant_power_A	1738.85	571.532	869.425	285.766
load	N_1800042022	constant_power_B	1738.85	571.532	869.425	285.766
load	N_1800042022	constant_power_A_real	1738.85	0.0	869.425	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800042022	constant_power_B_real	1738.85	0.0	869.425	0.0
load	N_1800042022	constant_power_A_reac	571.532	0.0	285.766	0.0
load	N_1800042022	constant_power_B_reac	571.532	0.0	285.766	0.0
load	N_1800070754	constant_power_A	1289.83	423.946	644.915	211.973
load	N_1800070754	constant_power_B	1289.83	423.946	644.915	211.973
load	N_1800070754	constant_power_A_real	1289.83	0.0	644.915	0.0
load	N_1800070754	constant_power_B_real	1289.83	0.0	644.915	0.0
load	N_1800070754	constant_power_A_reac	423.946	0.0	211.973	0.0
load	N_1800070754	constant_power_B_reac	423.946	0.0	211.973	0.0
load	N_1800190789	constant_power_A	145.271	90.0309	72.6355	45.01545
load	N_1800190789	constant_power_B	145.271	90.0309	72.6355	45.01545
load	N_1800190789	constant_power_A_real	145.271	0.0	72.6355	0.0
load	N_1800190789	constant_power_B_real	145.271	0.0	72.6355	0.0
load	N_1800190789	constant_power_A_reac	90.0309	0.0	45.01545	0.0
load	N_1800190789	constant_power_B_reac	90.0309	0.0	45.01545	0.0
load	N_1800030807	constant_power_A	5.86967	3.63769	2.934835	1.818845
load	N_1800030807	constant_power_B	5.86967	3.63769	2.934835	1.818845
load	N_1800030807	constant_power_C	5.86967	3.63769	2.934835	1.818845
load	N_1800030807	constant_power_A_real	5.86967	0.0	2.934835	0.0
load	N_1800030807	constant_power_B_real	5.86967	0.0	2.934835	0.0
load	N_1800030807	constant_power_C_real	5.86967	0.0	2.934835	0.0
load	N_1800030807	constant_power_A_reac	3.63769	0.0	1.818845	0.0
load	N_1800030807	constant_power_B_reac	3.63769	0.0	1.818845	0.0
load	N_1800030807	constant_power_C_reac	3.63769	0.0	1.818845	0.0
load	N_1800039304	constant_power_A	184.89	60.7704	92.445	30.3852
load	N_1800039304	constant_power_B	184.89	60.7704	92.445	30.3852
load	N_1800039304	constant_power_A_real	184.89	0.0	92.445	0.0
load	N_1800039304	constant_power_B_real	184.89	0.0	92.445	0.0
load	N_1800039304	constant_power_A_reac	60.7704	0.0	30.3852	0.0
load	N_1800039304	constant_power_B_reac	60.7704	0.0	30.3852	0.0
load	N_1800065040	constant_power_A	2711.72	891.3	1355.86	445.65
load	N_1800065040	constant_power_A_real	2711.72	0.0	1355.86	0.0
load	N_1800065040	constant_power_A_reac	891.3	0.0	445.65	0.0
load	N_1800071868	constant_power_A	2491.61	818.954	1245.805	409.477
load	N_1800071868	constant_power_B	2491.61	818.954	1245.805	409.477
load	N_1800071868	constant_power_A_real	2491.61	0.0	1245.805	0.0
load	N_1800071868	constant_power_B_real	2491.61	0.0	1245.805	0.0
load	N_1800071868	constant_power_A_reac	818.954	0.0	409.477	0.0
load	N_1800071868	constant_power_B_reac	818.954	0.0	409.477	0.0
load	N_1800071864	constant_power_A	1435.1	471.695	717.55	235.8475
load	N_1800071864	constant_power_B	1435.1	471.695	717.55	235.8475
load	N_1800071864	constant_power_A_real	1435.1	0.0	717.55	0.0
load	N_1800071864	constant_power_B_real	1435.1	0.0	717.55	0.0
load	N_1800071864	constant_power_A_reac	471.695	0.0	235.8475	0.0
load	N_1800071864	constant_power_B_reac	471.695	0.0	235.8475	0.0
load	N_1800071863	constant_power_A	4318.51	1419.42	2159.255	709.71
load	N_1800071863	constant_power_B	4318.51	1419.42	2159.255	709.71
load	N_1800071863	constant_power_A_real	4318.51	0.0	2159.255	0.0
load	N_1800071863	constant_power_B_real	4318.51	0.0	2159.255	0.0
load	N_1800071863	constant_power_A_reac	1419.42	0.0	709.71	0.0
load	N_1800071863	constant_power_B_reac	1419.42	0.0	709.71	0.0
load	N_1800031681	constant_power_A	4230.46	1390.49	2115.23	695.245
load	N_1800031681	constant_power_B	4230.46	1390.49	2115.23	695.245
load	N_1800031681	constant_power_A_real	4230.46	0.0	2115.23	0.0
load	N_1800031681	constant_power_B_real	4230.46	0.0	2115.23	0.0
load	N_1800031681	constant_power_A_reac	1390.49	0.0	695.245	0.0
load	N_1800031681	constant_power_B_reac	1390.49	0.0	695.245	0.0
load	N_1800011805	constant_power_A	1587.71	983.973	793.855	491.9865
load	N_1800011805	constant_power_B	1587.71	983.973	793.855	491.9865
load	N_1800011805	constant_power_C	1587.71	983.973	793.855	491.9865
load	N_1800011805	constant_power_A_real	1587.71	0.0	793.855	0.0
load	N_1800011805	constant_power_B_real	1587.71	0.0	793.855	0.0
load	N_1800011805	constant_power_C_real	1587.71	0.0	793.855	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800011805	constant_power_A_reac	983.973	0.0	491.9865	0.0
load	N_1800011805	constant_power_B_reac	983.973	0.0	491.9865	0.0
load	N_1800011805	constant_power_C_reac	983.973	0.0	491.9865	0.0
load	N_1800070757	constant_power_A	3697.8	1215.41	1848.9	607.705
load	N_1800070757	constant_power_A_real	3697.8	0.0	1848.9	0.0
load	N_1800070757	constant_power_A_reac	1215.41	0.0	607.705	0.0
load	N_1800070756	constant_power_A	1910.53	627.961	955.265	313.9805
load	N_1800070756	constant_power_B	1910.53	627.961	955.265	313.9805
load	N_1800070756	constant_power_A_real	1910.53	0.0	955.265	0.0
load	N_1800070756	constant_power_B_real	1910.53	0.0	955.265	0.0
load	N_1800070756	constant_power_A_reac	627.961	0.0	313.9805	0.0
load	N_1800070756	constant_power_B_reac	627.961	0.0	313.9805	0.0
load	N_1800070751	constant_power_A	1043.31	342.919	521.655	171.4595
load	N_1800070751	constant_power_B	1043.31	342.919	521.655	171.4595
load	N_1800070751	constant_power_A_real	1043.31	0.0	521.655	0.0
load	N_1800070751	constant_power_B_real	1043.31	0.0	521.655	0.0
load	N_1800070751	constant_power_A_reac	342.919	0.0	171.4595	0.0
load	N_1800070751	constant_power_B_reac	342.919	0.0	171.4595	0.0
load	N_1800070750	constant_power_A	3253.19	1069.27	1626.595	534.635
load	N_1800070750	constant_power_B	3253.19	1069.27	1626.595	534.635
load	N_1800070750	constant_power_A_real	3253.19	0.0	1626.595	0.0
load	N_1800070750	constant_power_B_real	3253.19	0.0	1626.595	0.0
load	N_1800070750	constant_power_A_reac	1069.27	0.0	534.635	0.0
load	N_1800070750	constant_power_B_reac	1069.27	0.0	534.635	0.0
load	N_1800070752	constant_power_A	422.606	138.904	211.303	69.452
load	N_1800070752	constant_power_B	422.606	138.904	211.303	69.452
load	N_1800070752	constant_power_A_real	422.606	0.0	211.303	0.0
load	N_1800070752	constant_power_B_real	422.606	0.0	211.303	0.0
load	N_1800070752	constant_power_A_reac	138.904	0.0	69.452	0.0
load	N_1800070752	constant_power_B_reac	138.904	0.0	69.452	0.0
load	N_1800069119	constant_power_A	8.80433	5.45644	4.402165	2.72822
load	N_1800069119	constant_power_B	8.80433	5.45644	4.402165	2.72822
load	N_1800069119	constant_power_C	8.80433	5.45644	4.402165	2.72822
load	N_1800069119	constant_power_A_real	8.80433	0.0	4.402165	0.0
load	N_1800069119	constant_power_B_real	8.80433	0.0	4.402165	0.0
load	N_1800069119	constant_power_C_real	8.80433	0.0	4.402165	0.0
load	N_1800069119	constant_power_A_reac	5.45644	0.0	2.72822	0.0
load	N_1800069119	constant_power_B_reac	5.45644	0.0	2.72822	0.0
load	N_1800069119	constant_power_C_reac	5.45644	0.0	2.72822	0.0
load	N_1800069118	constant_power_A	237.716	78.1335	118.858	39.06675
load	N_1800069118	constant_power_B	237.716	78.1335	118.858	39.06675
load	N_1800069118	constant_power_C	237.716	78.1335	118.858	39.06675
load	N_1800069118	constant_power_A_real	237.716	0.0	118.858	0.0
load	N_1800069118	constant_power_B_real	237.716	0.0	118.858	0.0
load	N_1800069118	constant_power_C_real	237.716	0.0	118.858	0.0
load	N_1800069118	constant_power_A_reac	78.1335	0.0	39.06675	0.0
load	N_1800069118	constant_power_B_reac	78.1335	0.0	39.06675	0.0
load	N_1800069118	constant_power_C_reac	78.1335	0.0	39.06675	0.0
load	N_1800031442	constant_power_A	11.739	7.27518	5.8695	3.63759
load	N_1800031442	constant_power_B	11.739	7.27518	5.8695	3.63759
load	N_1800031442	constant_power_C	11.739	7.27518	5.8695	3.63759
load	N_1800031442	constant_power_A_real	11.739	0.0	5.8695	0.0
load	N_1800031442	constant_power_B_real	11.739	0.0	5.8695	0.0
load	N_1800031442	constant_power_C_real	11.739	0.0	5.8695	0.0
load	N_1800031442	constant_power_A_reac	7.27518	0.0	3.63759	0.0
load	N_1800031442	constant_power_B_reac	7.27518	0.0	3.63759	0.0
load	N_1800031442	constant_power_C_reac	7.27518	0.0	3.63759	0.0
load	N_1800031440	constant_power_A	19903.6	12335.1	9951.8	6167.55
load	N_1800031440	constant_power_B	19903.6	12335.1	9951.8	6167.55
load	N_1800031440	constant_power_C	19903.6	12335.1	9951.8	6167.55
load	N_1800031440	constant_power_A_real	19903.6	0.0	9951.8	0.0
load	N_1800031440	constant_power_B_real	19903.6	0.0	9951.8	0.0
load	N_1800031440	constant_power_C_real	19903.6	0.0	9951.8	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031440	constant_power_A_reac	12335.1	0.0	6167.55	0.0
load	N_1800031440	constant_power_B_reac	12335.1	0.0	6167.55	0.0
load	N_1800031440	constant_power_C_reac	12335.1	0.0	6167.55	0.0
load	N_1800031444	constant_power_A	559.073	183.758	279.5365	91.879
load	N_1800031444	constant_power_B	559.073	183.758	279.5365	91.879
load	N_1800031444	constant_power_A_real	559.073	0.0	279.5365	0.0
load	N_1800031444	constant_power_B_real	559.073	0.0	279.5365	0.0
load	N_1800031444	constant_power_A_reac	183.758	0.0	91.879	0.0
load	N_1800031444	constant_power_B_reac	183.758	0.0	91.879	0.0
load	N_1800069112	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800069112	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800069112	constant_power_C	545.866	179.417	272.933	89.7085
load	N_1800069112	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800069112	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800069112	constant_power_C_real	545.866	0.0	272.933	0.0
load	N_1800069112	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800069112	constant_power_B_reac	179.417	0.0	89.7085	0.0
load	N_1800069112	constant_power_C_reac	179.417	0.0	89.7085	0.0
load	N_1800073719	constant_power_A	4468.18	2769.13	2234.09	1384.565
load	N_1800073719	constant_power_B	4468.18	2769.13	2234.09	1384.565
load	N_1800073719	constant_power_A_real	4468.18	0.0	2234.09	0.0
load	N_1800073719	constant_power_B_real	4468.18	0.0	2234.09	0.0
load	N_1800073719	constant_power_A_reac	2769.13	0.0	1384.565	0.0
load	N_1800073719	constant_power_B_reac	2769.13	0.0	1384.565	0.0
load	N_1800031447	constant_power_A	2623.68	862.362	1311.84	431.181
load	N_1800031447	constant_power_B	2623.68	862.362	1311.84	431.181
load	N_1800031447	constant_power_A_real	2623.68	0.0	1311.84	0.0
load	N_1800031447	constant_power_B_real	2623.68	0.0	1311.84	0.0
load	N_1800031447	constant_power_A_reac	862.362	0.0	431.181	0.0
load	N_1800031447	constant_power_B_reac	862.362	0.0	431.181	0.0
load	N_1800038007	constant_power_A	2892.21	950.623	1446.105	475.3115
load	N_1800038007	constant_power_B	2892.21	950.623	1446.105	475.3115
load	N_1800038007	constant_power_A_real	2892.21	0.0	1446.105	0.0
load	N_1800038007	constant_power_B_real	2892.21	0.0	1446.105	0.0
load	N_1800038007	constant_power_A_reac	950.623	0.0	475.3115	0.0
load	N_1800038007	constant_power_B_reac	950.623	0.0	475.3115	0.0
load	N_1800045998	constant_power_A	2064.61	678.603	1032.305	339.3015
load	N_1800045998	constant_power_C	2064.61	678.603	1032.305	339.3015
load	N_1800045998	constant_power_A_real	2064.61	0.0	1032.305	0.0
load	N_1800045998	constant_power_C_real	2064.61	0.0	1032.305	0.0
load	N_1800045998	constant_power_A_reac	678.603	0.0	339.3015	0.0
load	N_1800045998	constant_power_C_reac	678.603	0.0	339.3015	0.0
load	N_1800032065	constant_power_A	657.387	216.073	328.6935	108.0365
load	N_1800032065	constant_power_B	657.387	216.073	328.6935	108.0365
load	N_1800032065	constant_power_C	657.387	216.073	328.6935	108.0365
load	N_1800032065	constant_power_A_real	657.387	0.0	328.6935	0.0
load	N_1800032065	constant_power_B_real	657.387	0.0	328.6935	0.0
load	N_1800032065	constant_power_C_real	657.387	0.0	328.6935	0.0
load	N_1800032065	constant_power_A_reac	216.073	0.0	108.0365	0.0
load	N_1800032065	constant_power_B_reac	216.073	0.0	108.0365	0.0
load	N_1800032065	constant_power_C_reac	216.073	0.0	108.0365	0.0
load	N_1800072666	constant_power_A	2042.6	1265.89	1021.3	632.945
load	N_1800072666	constant_power_A_real	2042.6	0.0	1021.3	0.0
load	N_1800072666	constant_power_A_reac	1265.89	0.0	632.945	0.0
load	N_1800070358	constant_power_A	1237.0	406.583	618.5	203.2915
load	N_1800070358	constant_power_B	1237.0	406.583	618.5	203.2915
load	N_1800070358	constant_power_A_real	1237.0	0.0	618.5	0.0
load	N_1800070358	constant_power_B_real	1237.0	0.0	618.5	0.0
load	N_1800070358	constant_power_A_reac	406.583	0.0	203.2915	0.0
load	N_1800070358	constant_power_B_reac	406.583	0.0	203.2915	0.0
load	N_1800038008	constant_power_A	942.059	309.64	471.0295	154.82
load	N_1800038008	constant_power_B	942.059	309.64	471.0295	154.82
load	N_1800038008	constant_power_A_real	942.059	0.0	471.0295	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800038008	constant_power_B_real	942.059	0.0	471.0295	0.0
load	N_1800038008	constant_power_A_reac	309.64	0.0	154.82	0.0
load	N_1800038008	constant_power_B_reac	309.64	0.0	154.82	0.0
load	N_1800195324	constant_power_A	821.734	270.091	410.867	135.0455
load	N_1800195324	constant_power_B	821.734	270.091	410.867	135.0455
load	N_1800195324	constant_power_C	821.734	270.091	410.867	135.0455
load	N_1800195324	constant_power_A_real	821.734	0.0	410.867	0.0
load	N_1800195324	constant_power_B_real	821.734	0.0	410.867	0.0
load	N_1800195324	constant_power_C_real	821.734	0.0	410.867	0.0
load	N_1800195324	constant_power_A_reac	270.091	0.0	135.0455	0.0
load	N_1800195324	constant_power_B_reac	270.091	0.0	135.0455	0.0
load	N_1800195324	constant_power_C_reac	270.091	0.0	135.0455	0.0
load	N_1800070139	constant_power_A	1047.71	344.366	523.855	172.183
load	N_1800070139	constant_power_B	1047.71	344.366	523.855	172.183
load	N_1800070139	constant_power_A_real	1047.71	0.0	523.855	0.0
load	N_1800070139	constant_power_B_real	1047.71	0.0	523.855	0.0
load	N_1800070139	constant_power_A_reac	344.366	0.0	172.183	0.0
load	N_1800070139	constant_power_B_reac	344.366	0.0	172.183	0.0
load	N_1800070136	constant_power_A	1866.51	613.492	933.255	306.746
load	N_1800070136	constant_power_B	1866.51	613.492	933.255	306.746
load	N_1800070136	constant_power_A_real	1866.51	0.0	933.255	0.0
load	N_1800070136	constant_power_B_real	1866.51	0.0	933.255	0.0
load	N_1800070136	constant_power_A_reac	613.492	0.0	306.746	0.0
load	N_1800070136	constant_power_B_reac	613.492	0.0	306.746	0.0
load	N_1800069208	constant_power_A	2187.87	719.117	1093.935	359.5585
load	N_1800069208	constant_power_B	2187.87	719.117	1093.935	359.5585
load	N_1800069208	constant_power_A_real	2187.87	0.0	1093.935	0.0
load	N_1800069208	constant_power_B_real	2187.87	0.0	1093.935	0.0
load	N_1800069208	constant_power_A_reac	719.117	0.0	359.5585	0.0
load	N_1800069208	constant_power_B_reac	719.117	0.0	359.5585	0.0
load	N_1800069752	constant_power_A	17.6087	10.9129	8.80435	5.45645
load	N_1800069752	constant_power_B	17.6087	10.9129	8.80435	5.45645
load	N_1800069752	constant_power_C	17.6087	10.9129	8.80435	5.45645
load	N_1800069752	constant_power_A_real	17.6087	0.0	8.80435	0.0
load	N_1800069752	constant_power_B_real	17.6087	0.0	8.80435	0.0
load	N_1800069752	constant_power_C_real	17.6087	0.0	8.80435	0.0
load	N_1800069752	constant_power_A_reac	10.9129	0.0	5.45645	0.0
load	N_1800069752	constant_power_B_reac	10.9129	0.0	5.45645	0.0
load	N_1800069752	constant_power_C_reac	10.9129	0.0	5.45645	0.0
load	N_1800069053	constant_power_A	5414.64	1779.71	2707.32	889.855
load	N_1800069053	constant_power_B	5414.64	1779.71	2707.32	889.855
load	N_1800069053	constant_power_A_real	5414.64	0.0	2707.32	0.0
load	N_1800069053	constant_power_B_real	5414.64	0.0	2707.32	0.0
load	N_1800069053	constant_power_A_reac	1779.71	0.0	889.855	0.0
load	N_1800069053	constant_power_B_reac	1779.71	0.0	889.855	0.0
load	N_1800204643	constant_power_A	2509.22	824.742	1254.61	412.371
load	N_1800204643	constant_power_A_real	2509.22	0.0	1254.61	0.0
load	N_1800204643	constant_power_A_reac	824.742	0.0	412.371	0.0
load	N_1800012050	constant_power_A	434.345	269.183	217.1725	134.5915
load	N_1800012050	constant_power_B	434.345	269.183	217.1725	134.5915
load	N_1800012050	constant_power_C	434.345	269.183	217.1725	134.5915
load	N_1800012050	constant_power_A_real	434.345	0.0	217.1725	0.0
load	N_1800012050	constant_power_B_real	434.345	0.0	217.1725	0.0
load	N_1800012050	constant_power_C_real	434.345	0.0	217.1725	0.0
load	N_1800012050	constant_power_A_reac	269.183	0.0	134.5915	0.0
load	N_1800012050	constant_power_B_reac	269.183	0.0	134.5915	0.0
load	N_1800012050	constant_power_C_reac	269.183	0.0	134.5915	0.0
load	N_1800033936	constant_power_A	550.268	180.864	275.134	90.432
load	N_1800033936	constant_power_B	550.268	180.864	275.134	90.432
load	N_1800033936	constant_power_A_real	550.268	0.0	275.134	0.0
load	N_1800033936	constant_power_B_real	550.268	0.0	275.134	0.0
load	N_1800033936	constant_power_A_reac	180.864	0.0	90.432	0.0
load	N_1800033936	constant_power_B_reac	180.864	0.0	90.432	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800023420	constant_power_A	1214.99	399.349	607.495	199.6745
load	N_1800023420	constant_power_B	1214.99	399.349	607.495	199.6745
load	N_1800023420	constant_power_A_real	1214.99	0.0	607.495	0.0
load	N_1800023420	constant_power_B_real	1214.99	0.0	607.495	0.0
load	N_1800023420	constant_power_A_reac	399.349	0.0	199.6745	0.0
load	N_1800023420	constant_power_B_reac	399.349	0.0	199.6745	0.0
load	N_1800003839	constant_power_A	2071.94	1284.08	1035.97	642.04
load	N_1800003839	constant_power_B	2071.94	1284.08	1035.97	642.04
load	N_1800003839	constant_power_C	2071.94	1284.08	1035.97	642.04
load	N_1800003839	constant_power_A_real	2071.94	0.0	1035.97	0.0
load	N_1800003839	constant_power_B_real	2071.94	0.0	1035.97	0.0
load	N_1800003839	constant_power_C_real	2071.94	0.0	1035.97	0.0
load	N_1800003839	constant_power_A_reac	1284.08	0.0	642.04	0.0
load	N_1800003839	constant_power_B_reac	1284.08	0.0	642.04	0.0
load	N_1800003839	constant_power_C_reac	1284.08	0.0	642.04	0.0
load	N_1800002839	constant_power_A	757.169	248.869	378.5845	124.4345
load	N_1800002839	constant_power_B	757.169	248.869	378.5845	124.4345
load	N_1800002839	constant_power_A_real	757.169	0.0	378.5845	0.0
load	N_1800002839	constant_power_B_real	757.169	0.0	378.5845	0.0
load	N_1800002839	constant_power_A_reac	248.869	0.0	124.4345	0.0
load	N_1800002839	constant_power_B_reac	248.869	0.0	124.4345	0.0
load	N_1800069593	constant_power_A	145.271	47.7483	72.6355	23.87415
load	N_1800069593	constant_power_B	145.271	47.7483	72.6355	23.87415
load	N_1800069593	constant_power_A_real	145.271	0.0	72.6355	0.0
load	N_1800069593	constant_power_B_real	145.271	0.0	72.6355	0.0
load	N_1800069593	constant_power_A_reac	47.7483	0.0	23.87415	0.0
load	N_1800069593	constant_power_B_reac	47.7483	0.0	23.87415	0.0
load	N_1800069956	constant_power_A	396.193	130.222	198.0965	65.111
load	N_1800069956	constant_power_B	396.193	130.222	198.0965	65.111
load	N_1800069956	constant_power_C	396.193	130.222	198.0965	65.111
load	N_1800069956	constant_power_A_real	396.193	0.0	198.0965	0.0
load	N_1800069956	constant_power_B_real	396.193	0.0	198.0965	0.0
load	N_1800069956	constant_power_C_real	396.193	0.0	198.0965	0.0
load	N_1800069956	constant_power_A_reac	130.222	0.0	65.111	0.0
load	N_1800069956	constant_power_B_reac	130.222	0.0	65.111	0.0
load	N_1800069956	constant_power_C_reac	130.222	0.0	65.111	0.0
load	N_1800069597	constant_power_A	1270.75	787.542	635.375	393.771
load	N_1800069597	constant_power_B	1270.75	787.542	635.375	393.771
load	N_1800069597	constant_power_C	1270.75	787.542	635.375	393.771
load	N_1800069597	constant_power_A_real	1270.75	0.0	635.375	0.0
load	N_1800069597	constant_power_B_real	1270.75	0.0	635.375	0.0
load	N_1800069597	constant_power_C_real	1270.75	0.0	635.375	0.0
load	N_1800069597	constant_power_A_reac	787.542	0.0	393.771	0.0
load	N_1800069597	constant_power_B_reac	787.542	0.0	393.771	0.0
load	N_1800069597	constant_power_C_reac	787.542	0.0	393.771	0.0
load	N_1800009256	constant_power_A	1866.51	875.729	933.255	437.8645
load	N_1800009256	constant_power_B	1866.51	875.729	933.255	437.8645
load	N_1800009256	constant_power_C	1866.51	875.729	933.255	437.8645
load	N_1800009256	constant_power_A_real	1866.51	0.0	933.255	0.0
load	N_1800009256	constant_power_B_real	1866.51	0.0	933.255	0.0
load	N_1800009256	constant_power_C_real	1866.51	0.0	933.255	0.0
load	N_1800009256	constant_power_A_reac	875.729	0.0	437.8645	0.0
load	N_1800009256	constant_power_B_reac	875.729	0.0	437.8645	0.0
load	N_1800009256	constant_power_C_reac	875.729	0.0	437.8645	0.0
load	N_1800009250	constant_power_A	851.082	279.737	425.541	139.8685
load	N_1800009250	constant_power_B	851.082	279.737	425.541	139.8685
load	N_1800009250	constant_power_C	851.082	279.737	425.541	139.8685
load	N_1800009250	constant_power_A_real	851.082	0.0	425.541	0.0
load	N_1800009250	constant_power_B_real	851.082	0.0	425.541	0.0
load	N_1800009250	constant_power_C_real	851.082	0.0	425.541	0.0
load	N_1800009250	constant_power_A_reac	279.737	0.0	139.8685	0.0
load	N_1800009250	constant_power_B_reac	279.737	0.0	139.8685	0.0
load	N_1800009250	constant_power_C_reac	279.737	0.0	139.8685	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069976	constant_power_A	689.67	226.683	344.835	113.3415
load	N_1800069976	constant_power_B	689.67	226.683	344.835	113.3415
load	N_1800069976	constant_power_C	689.67	226.683	344.835	113.3415
load	N_1800069976	constant_power_A_real	689.67	0.0	344.835	0.0
load	N_1800069976	constant_power_B_real	689.67	0.0	344.835	0.0
load	N_1800069976	constant_power_C_real	689.67	0.0	344.835	0.0
load	N_1800069976	constant_power_A_reac	226.683	0.0	113.3415	0.0
load	N_1800069976	constant_power_B_reac	226.683	0.0	113.3415	0.0
load	N_1800069976	constant_power_C_reac	226.683	0.0	113.3415	0.0
load	N_1800069974	constant_power_A	1069.72	351.6	534.86	175.8
load	N_1800069974	constant_power_B	1069.72	351.6	534.86	175.8
load	N_1800069974	constant_power_A_real	1069.72	0.0	534.86	0.0
load	N_1800069974	constant_power_B_real	1069.72	0.0	534.86	0.0
load	N_1800069974	constant_power_A_reac	351.6	0.0	175.8	0.0
load	N_1800069974	constant_power_B_reac	351.6	0.0	175.8	0.0
load	N_1800069978	constant_power_A	1936.94	636.643	968.47	318.3215
load	N_1800069978	constant_power_B	1936.94	636.643	968.47	318.3215
load	N_1800069978	constant_power_C	1936.94	636.643	968.47	318.3215
load	N_1800069978	constant_power_A_real	1936.94	0.0	968.47	0.0
load	N_1800069978	constant_power_B_real	1936.94	0.0	968.47	0.0
load	N_1800069978	constant_power_C_real	1936.94	0.0	968.47	0.0
load	N_1800069978	constant_power_A_reac	636.643	0.0	318.3215	0.0
load	N_1800069978	constant_power_B_reac	636.643	0.0	318.3215	0.0
load	N_1800069978	constant_power_C_reac	636.643	0.0	318.3215	0.0
load	N_1800071245	constant_power_A	8.80433	5.45644	4.402165	2.72822
load	N_1800071245	constant_power_B	8.80433	5.45644	4.402165	2.72822
load	N_1800071245	constant_power_C	8.80433	5.45644	4.402165	2.72822
load	N_1800071245	constant_power_A_real	8.80433	0.0	4.402165	0.0
load	N_1800071245	constant_power_B_real	8.80433	0.0	4.402165	0.0
load	N_1800071245	constant_power_C_real	8.80433	0.0	4.402165	0.0
load	N_1800071245	constant_power_A_reac	5.45644	0.0	2.72822	0.0
load	N_1800071245	constant_power_B_reac	5.45644	0.0	2.72822	0.0
load	N_1800071245	constant_power_C_reac	5.45644	0.0	2.72822	0.0
load	N_1800071247	constant_power_A	859.886	282.631	429.943	141.3155
load	N_1800071247	constant_power_B	859.886	282.631	429.943	141.3155
load	N_1800071247	constant_power_C	859.886	282.631	429.943	141.3155
load	N_1800071247	constant_power_A_real	859.886	0.0	429.943	0.0
load	N_1800071247	constant_power_B_real	859.886	0.0	429.943	0.0
load	N_1800071247	constant_power_C_real	859.886	0.0	429.943	0.0
load	N_1800071247	constant_power_A_reac	282.631	0.0	141.3155	0.0
load	N_1800071247	constant_power_B_reac	282.631	0.0	141.3155	0.0
load	N_1800071247	constant_power_C_reac	282.631	0.0	141.3155	0.0
load	N_1800070624	constant_power_A	2447.59	804.485	1223.795	402.2425
load	N_1800070624	constant_power_B	2447.59	804.485	1223.795	402.2425
load	N_1800070624	constant_power_A_real	2447.59	0.0	1223.795	0.0
load	N_1800070624	constant_power_B_real	2447.59	0.0	1223.795	0.0
load	N_1800070624	constant_power_A_reac	804.485	0.0	402.2425	0.0
load	N_1800070624	constant_power_B_reac	804.485	0.0	402.2425	0.0
load	N_1800070627	constant_power_A	1950.15	640.984	975.075	320.492
load	N_1800070627	constant_power_B	1950.15	640.984	975.075	320.492
load	N_1800070627	constant_power_A_real	1950.15	0.0	975.075	0.0
load	N_1800070627	constant_power_B_real	1950.15	0.0	975.075	0.0
load	N_1800070627	constant_power_A_reac	640.984	0.0	320.492	0.0
load	N_1800070627	constant_power_B_reac	640.984	0.0	320.492	0.0
load	N_18000203859	constant_power_A	35.217	11.5753	17.6085	5.78765
load	N_18000203859	constant_power_B	35.217	11.5753	17.6085	5.78765
load	N_18000203859	constant_power_A_real	35.217	0.0	17.6085	0.0
load	N_18000203859	constant_power_B_real	35.217	0.0	17.6085	0.0
load	N_18000203859	constant_power_A_reac	11.5753	0.0	5.78765	0.0
load	N_18000203859	constant_power_B_reac	11.5753	0.0	5.78765	0.0
load	N_1800070621	constant_power_A	2575.26	846.445	1287.63	423.2225
load	N_1800070621	constant_power_B	2575.26	846.445	1287.63	423.2225
load	N_1800070621	constant_power_A_real	2575.26	0.0	1287.63	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070621	constant_power_B_real	2575.26	0.0	1287.63	0.0
load	N_1800070621	constant_power_A_reac	846.445	0.0	423.2225	0.0
load	N_1800070621	constant_power_B_reac	846.445	0.0	423.2225	0.0
load	N_1800070623	constant_power_A	6369.9	2093.69	3184.95	1046.845
load	N_1800070623	constant_power_B	6369.9	2093.69	3184.95	1046.845
load	N_1800070623	constant_power_A_real	6369.9	0.0	3184.95	0.0
load	N_1800070623	constant_power_B_real	6369.9	0.0	3184.95	0.0
load	N_1800070623	constant_power_A_reac	2093.69	0.0	1046.845	0.0
load	N_1800070623	constant_power_B_reac	2093.69	0.0	1046.845	0.0
load	N_1800070622	constant_power_A	2060.2	677.156	1030.1	338.578
load	N_1800070622	constant_power_B	2060.2	677.156	1030.1	338.578
load	N_1800070622	constant_power_A_real	2060.2	0.0	1030.1	0.0
load	N_1800070622	constant_power_B_real	2060.2	0.0	1030.1	0.0
load	N_1800070622	constant_power_A_reac	677.156	0.0	338.578	0.0
load	N_1800070622	constant_power_B_reac	677.156	0.0	338.578	0.0
load	N_1800044959	constant_power_A	686.735	225.719	343.3675	112.8595
load	N_1800044959	constant_power_B	686.735	225.719	343.3675	112.8595
load	N_1800044959	constant_power_C	686.735	225.719	343.3675	112.8595
load	N_1800044959	constant_power_A_real	686.735	0.0	343.3675	0.0
load	N_1800044959	constant_power_B_real	686.735	0.0	343.3675	0.0
load	N_1800044959	constant_power_C_real	686.735	0.0	343.3675	0.0
load	N_1800044959	constant_power_A_reac	225.719	0.0	112.8595	0.0
load	N_1800044959	constant_power_B_reac	225.719	0.0	112.8595	0.0
load	N_1800044959	constant_power_C_reac	225.719	0.0	112.8595	0.0
load	N_1800044488	constant_power_A	4239.27	1393.38	2119.635	696.69
load	N_1800044488	constant_power_B	4239.27	1393.38	2119.635	696.69
load	N_1800044488	constant_power_A_real	4239.27	0.0	2119.635	0.0
load	N_1800044488	constant_power_B_real	4239.27	0.0	2119.635	0.0
load	N_1800044488	constant_power_A_reac	1393.38	0.0	696.69	0.0
load	N_1800044488	constant_power_B_reac	1393.38	0.0	696.69	0.0
load	N_1800068083	constant_power_A	619.235	203.533	309.6175	101.7665
load	N_1800068083	constant_power_B	619.235	203.533	309.6175	101.7665
load	N_1800068083	constant_power_C	619.235	203.533	309.6175	101.7665
load	N_1800068083	constant_power_A_real	619.235	0.0	309.6175	0.0
load	N_1800068083	constant_power_B_real	619.235	0.0	309.6175	0.0
load	N_1800068083	constant_power_C_real	619.235	0.0	309.6175	0.0
load	N_1800068083	constant_power_A_reac	203.533	0.0	101.7665	0.0
load	N_1800068083	constant_power_B_reac	203.533	0.0	101.7665	0.0
load	N_1800068083	constant_power_C_reac	203.533	0.0	101.7665	0.0
load	N_1800070629	constant_power_A	2601.67	855.127	1300.835	427.5635
load	N_1800070629	constant_power_B	2601.67	855.127	1300.835	427.5635
load	N_1800070629	constant_power_A_real	2601.67	0.0	1300.835	0.0
load	N_1800070629	constant_power_B_real	2601.67	0.0	1300.835	0.0
load	N_1800070629	constant_power_A_reac	855.127	0.0	427.5635	0.0
load	N_1800070629	constant_power_B_reac	855.127	0.0	427.5635	0.0
load	N_1800068085	constant_power_A	70.434	23.1505	35.217	11.57525
load	N_1800068085	constant_power_B	70.434	23.1505	35.217	11.57525
load	N_1800068085	constant_power_A_real	70.434	0.0	35.217	0.0
load	N_1800068085	constant_power_B_real	70.434	0.0	35.217	0.0
load	N_1800068085	constant_power_A_reac	23.1505	0.0	11.57525	0.0
load	N_1800068085	constant_power_B_reac	23.1505	0.0	11.57525	0.0
load	N_1800071080	constant_power_A	884.831	290.83	442.4155	145.415
load	N_1800071080	constant_power_B	884.831	290.83	442.4155	145.415
load	N_1800071080	constant_power_A_real	884.831	0.0	442.4155	0.0
load	N_1800071080	constant_power_B_real	884.831	0.0	442.4155	0.0
load	N_1800071080	constant_power_A_reac	290.83	0.0	145.415	0.0
load	N_1800071080	constant_power_B_reac	290.83	0.0	145.415	0.0
load	N_1800010621	constant_power_A	2174.66	1329.8	1087.33	664.9
load	N_1800010621	constant_power_B	2174.66	1329.8	1087.33	664.9
load	N_1800010621	constant_power_C	2174.66	1329.8	1087.33	664.9
load	N_1800010621	constant_power_A_real	2174.66	0.0	1087.33	0.0
load	N_1800010621	constant_power_B_real	2174.66	0.0	1087.33	0.0
load	N_1800010621	constant_power_C_real	2174.66	0.0	1087.33	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800010621	constant_power_A_reac	1329.8	0.0	664.9	0.0
load	N_1800010621	constant_power_B_reac	1329.8	0.0	664.9	0.0
load	N_1800010621	constant_power_C_reac	1329.8	0.0	664.9	0.0
load	N_1800013539	constant_power_A	611.898	201.121	305.949	100.5605
load	N_1800013539	constant_power_B	611.898	201.121	305.949	100.5605
load	N_1800013539	constant_power_A_real	611.898	0.0	305.949	0.0
load	N_1800013539	constant_power_B_real	611.898	0.0	305.949	0.0
load	N_1800013539	constant_power_A_reac	201.121	0.0	100.5605	0.0
load	N_1800013539	constant_power_B_reac	201.121	0.0	100.5605	0.0
load	N_1800068574	constant_power_A	862.821	283.596	431.4105	141.798
load	N_1800068574	constant_power_B	862.821	283.596	431.4105	141.798
load	N_1800068574	constant_power_A_real	862.821	0.0	431.4105	0.0
load	N_1800068574	constant_power_B_real	862.821	0.0	431.4105	0.0
load	N_1800068574	constant_power_A_reac	283.596	0.0	141.798	0.0
load	N_1800068574	constant_power_B_reac	283.596	0.0	141.798	0.0
load	N_1800045999	constant_power_A	2024.99	665.581	1012.495	332.7905
load	N_1800045999	constant_power_C	2024.99	665.581	1012.495	332.7905
load	N_1800045999	constant_power_A_real	2024.99	0.0	1012.495	0.0
load	N_1800045999	constant_power_C_real	2024.99	0.0	1012.495	0.0
load	N_1800045999	constant_power_A_reac	665.581	0.0	332.7905	0.0
load	N_1800045999	constant_power_C_reac	665.581	0.0	332.7905	0.0
load	N_1800013534	constant_power_A	804.125	264.303	402.0625	132.1515
load	N_1800013534	constant_power_B	804.125	264.303	402.0625	132.1515
load	N_1800013534	constant_power_C	804.125	264.303	402.0625	132.1515
load	N_1800013534	constant_power_A_real	804.125	0.0	402.0625	0.0
load	N_1800013534	constant_power_B_real	804.125	0.0	402.0625	0.0
load	N_1800013534	constant_power_C_real	804.125	0.0	402.0625	0.0
load	N_1800013534	constant_power_A_reac	264.303	0.0	132.1515	0.0
load	N_1800013534	constant_power_B_reac	264.303	0.0	132.1515	0.0
load	N_1800013534	constant_power_C_reac	264.303	0.0	132.1515	0.0
load	N_1800069376	constant_power_A	1514.34	497.739	757.17	248.8695
load	N_1800069376	constant_power_C	1514.34	497.739	757.17	248.8695
load	N_1800069376	constant_power_A_real	1514.34	0.0	757.17	0.0
load	N_1800069376	constant_power_C_real	1514.34	0.0	757.17	0.0
load	N_1800069376	constant_power_A_reac	497.739	0.0	248.8695	0.0
load	N_1800069376	constant_power_C_reac	497.739	0.0	248.8695	0.0
load	N_1800031030	constant_power_A	3015.47	991.137	1507.735	495.5685
load	N_1800031030	constant_power_B	3015.47	991.137	1507.735	495.5685
load	N_1800031030	constant_power_A_real	3015.47	0.0	1507.735	0.0
load	N_1800031030	constant_power_B_real	3015.47	0.0	1507.735	0.0
load	N_1800031030	constant_power_A_reac	991.137	0.0	495.5685	0.0
load	N_1800031030	constant_power_B_reac	991.137	0.0	495.5685	0.0
load	N_1800028940	constant_power_A	1998.57	656.9	999.285	328.45
load	N_1800028940	constant_power_B	1998.57	656.9	999.285	328.45
load	N_1800028940	constant_power_A_real	1998.57	0.0	999.285	0.0
load	N_1800028940	constant_power_B_real	1998.57	0.0	999.285	0.0
load	N_1800028940	constant_power_A_reac	656.9	0.0	328.45	0.0
load	N_1800028940	constant_power_B_reac	656.9	0.0	328.45	0.0
load	N_1800023555	constant_power_A	619.235	203.533	309.6175	101.7665
load	N_1800023555	constant_power_B	619.235	203.533	309.6175	101.7665
load	N_1800023555	constant_power_C	619.235	203.533	309.6175	101.7665
load	N_1800023555	constant_power_A_real	619.235	0.0	309.6175	0.0
load	N_1800023555	constant_power_B_real	619.235	0.0	309.6175	0.0
load	N_1800023555	constant_power_C_real	619.235	0.0	309.6175	0.0
load	N_1800023555	constant_power_A_reac	203.533	0.0	101.7665	0.0
load	N_1800023555	constant_power_B_reac	203.533	0.0	101.7665	0.0
load	N_1800023555	constant_power_C_reac	203.533	0.0	101.7665	0.0
load	N_1800069378	constant_power_A	1052.11	345.813	526.055	172.9065
load	N_1800069378	constant_power_C	1052.11	345.813	526.055	172.9065
load	N_1800069378	constant_power_A_real	1052.11	0.0	526.055	0.0
load	N_1800069378	constant_power_C_real	1052.11	0.0	526.055	0.0
load	N_1800069378	constant_power_A_reac	345.813	0.0	172.9065	0.0
load	N_1800069378	constant_power_C_reac	345.813	0.0	172.9065	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800079072	constant_power_A	26.413	8.68153	13.2065	4.340765
load	N_1800079072	constant_power_B	26.413	8.68153	13.2065	4.340765
load	N_1800079072	constant_power_A_real	26.413	0.0	13.2065	0.0
load	N_1800079072	constant_power_B_real	26.413	0.0	13.2065	0.0
load	N_1800079072	constant_power_A_reac	8.68153	0.0	4.340765	0.0
load	N_1800079072	constant_power_B_reac	8.68153	0.0	4.340765	0.0
load	N_1800018361	constant_power_A	751.3	465.614	375.65	232.807
load	N_1800018361	constant_power_B	751.3	465.614	375.65	232.807
load	N_1800018361	constant_power_C	751.3	465.614	375.65	232.807
load	N_1800018361	constant_power_A_real	751.3	0.0	375.65	0.0
load	N_1800018361	constant_power_B_real	751.3	0.0	375.65	0.0
load	N_1800018361	constant_power_C_real	751.3	0.0	375.65	0.0
load	N_1800018361	constant_power_A_reac	465.614	0.0	232.807	0.0
load	N_1800018361	constant_power_B_reac	465.614	0.0	232.807	0.0
load	N_1800018361	constant_power_C_reac	465.614	0.0	232.807	0.0
load	N_1800061689	constant_power_A	308.15	109.826	154.075	54.913
load	N_1800061689	constant_power_B	308.15	109.826	154.075	54.913
load	N_1800061689	constant_power_C	308.15	109.826	154.075	54.913
load	N_1800061689	constant_power_A_real	308.15	0.0	154.075	0.0
load	N_1800061689	constant_power_B_real	308.15	0.0	154.075	0.0
load	N_1800061689	constant_power_C_real	308.15	0.0	154.075	0.0
load	N_1800061689	constant_power_A_reac	109.826	0.0	54.913	0.0
load	N_1800061689	constant_power_B_reac	109.826	0.0	54.913	0.0
load	N_1800061689	constant_power_C_reac	109.826	0.0	54.913	0.0
load	N_1800061688	constant_power_A	965.537	317.357	482.7685	158.6785
load	N_1800061688	constant_power_B	965.537	317.357	482.7685	158.6785
load	N_1800061688	constant_power_C	965.537	317.357	482.7685	158.6785
load	N_1800061688	constant_power_A_real	965.537	0.0	482.7685	0.0
load	N_1800061688	constant_power_B_real	965.537	0.0	482.7685	0.0
load	N_1800061688	constant_power_C_real	965.537	0.0	482.7685	0.0
load	N_1800061688	constant_power_A_reac	317.357	0.0	158.6785	0.0
load	N_1800061688	constant_power_B_reac	317.357	0.0	158.6785	0.0
load	N_1800061688	constant_power_C_reac	317.357	0.0	158.6785	0.0
load	N_1800014184	constant_power_A	3961.93	2413.1	1980.965	1206.55
load	N_1800014184	constant_power_B	3961.93	2413.1	1980.965	1206.55
load	N_1800014184	constant_power_A_real	3961.93	0.0	1980.965	0.0
load	N_1800014184	constant_power_B_real	3961.93	0.0	1980.965	0.0
load	N_1800014184	constant_power_A_reac	2413.1	0.0	1206.55	0.0
load	N_1800014184	constant_power_B_reac	2413.1	0.0	1206.55	0.0
load	N_1800068887	constant_power_A	633.909	208.356	316.9545	104.178
load	N_1800068887	constant_power_C	633.909	208.356	316.9545	104.178
load	N_1800068887	constant_power_A_real	633.909	0.0	316.9545	0.0
load	N_1800068887	constant_power_C_real	633.909	0.0	316.9545	0.0
load	N_1800068887	constant_power_A_reac	208.356	0.0	104.178	0.0
load	N_1800068887	constant_power_C_reac	208.356	0.0	104.178	0.0
load	N_1800037307	constant_power_A	4516.6	1484.54	2258.3	742.27
load	N_1800037307	constant_power_B	4516.6	1484.54	2258.3	742.27
load	N_1800037307	constant_power_A_real	4516.6	0.0	2258.3	0.0
load	N_1800037307	constant_power_B_real	4516.6	0.0	2258.3	0.0
load	N_1800037307	constant_power_A_reac	1484.54	0.0	742.27	0.0
load	N_1800037307	constant_power_B_reac	1484.54	0.0	742.27	0.0
load	N_1800061683	constant_power_A	1264.88	415.747	632.44	207.8735
load	N_1800061683	constant_power_B	1264.88	415.747	632.44	207.8735
load	N_1800061683	constant_power_C	1264.88	415.747	632.44	207.8735
load	N_1800061683	constant_power_A_real	1264.88	0.0	632.44	0.0
load	N_1800061683	constant_power_B_real	1264.88	0.0	632.44	0.0
load	N_1800061683	constant_power_C_real	1264.88	0.0	632.44	0.0
load	N_1800061683	constant_power_A_reac	415.747	0.0	207.8735	0.0
load	N_1800061683	constant_power_B_reac	415.747	0.0	207.8735	0.0
load	N_1800061683	constant_power_C_reac	415.747	0.0	207.8735	0.0
load	N_1800067439	constant_power_A	2760.15	907.216	1380.075	453.608
load	N_1800067439	constant_power_B	2760.15	907.216	1380.075	453.608
load	N_1800067439	constant_power_A_real	2760.15	0.0	1380.075	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067439	constant_power_B_real	2760.15	0.0	1380.075	0.0
load	N_1800067439	constant_power_A_reac	907.216	0.0	453.608	0.0
load	N_1800067439	constant_power_B_reac	907.216	0.0	453.608	0.0
load	N_1800010752	constant_power_A	1294.23	425.393	647.115	212.6965
load	N_1800010752	constant_power_B	1294.23	425.393	647.115	212.6965
load	N_1800010752	constant_power_A_real	1294.23	0.0	647.115	0.0
load	N_1800010752	constant_power_B_real	1294.23	0.0	647.115	0.0
load	N_1800010752	constant_power_A_reac	425.393	0.0	212.6965	0.0
load	N_1800010752	constant_power_B_reac	425.393	0.0	212.6965	0.0
load	N_1800036090	constant_power_A	724.887	238.259	362.4435	119.1295
load	N_1800036090	constant_power_B	724.887	238.259	362.4435	119.1295
load	N_1800036090	constant_power_C	724.887	238.259	362.4435	119.1295
load	N_1800036090	constant_power_A_real	724.887	0.0	362.4435	0.0
load	N_1800036090	constant_power_B_real	724.887	0.0	362.4435	0.0
load	N_1800036090	constant_power_C_real	724.887	0.0	362.4435	0.0
load	N_1800036090	constant_power_A_reac	238.259	0.0	119.1295	0.0
load	N_1800036090	constant_power_B_reac	238.259	0.0	119.1295	0.0
load	N_1800036090	constant_power_C_reac	238.259	0.0	119.1295	0.0
load	N_1800068405	constant_power_A	7621.58	4723.43	3810.79	2361.715
load	N_1800068405	constant_power_B	7621.58	4723.43	3810.79	2361.715
load	N_1800068405	constant_power_C	7621.58	4723.43	3810.79	2361.715
load	N_1800068405	constant_power_A_real	7621.58	0.0	3810.79	0.0
load	N_1800068405	constant_power_B_real	7621.58	0.0	3810.79	0.0
load	N_1800068405	constant_power_C_real	7621.58	0.0	3810.79	0.0
load	N_1800068405	constant_power_A_reac	4723.43	0.0	2361.715	0.0
load	N_1800068405	constant_power_B_reac	4723.43	0.0	2361.715	0.0
load	N_1800068405	constant_power_C_reac	4723.43	0.0	2361.715	0.0
load	N_1800036092	constant_power_A	2007.38	659.794	1003.69	329.897
load	N_1800036092	constant_power_B	2007.38	659.794	1003.69	329.897
load	N_1800036092	constant_power_A_real	2007.38	0.0	1003.69	0.0
load	N_1800036092	constant_power_B_real	2007.38	0.0	1003.69	0.0
load	N_1800036092	constant_power_A_reac	659.794	0.0	329.897	0.0
load	N_1800036092	constant_power_B_reac	659.794	0.0	329.897	0.0
load	N_1800036093	constant_power_A	789.451	271.439	394.7255	135.7195
load	N_1800036093	constant_power_B	789.451	271.439	394.7255	135.7195
load	N_1800036093	constant_power_C	789.451	271.439	394.7255	135.7195
load	N_1800036093	constant_power_A_real	789.451	0.0	394.7255	0.0
load	N_1800036093	constant_power_B_real	789.451	0.0	394.7255	0.0
load	N_1800036093	constant_power_C_real	789.451	0.0	394.7255	0.0
load	N_1800036093	constant_power_A_reac	271.439	0.0	135.7195	0.0
load	N_1800036093	constant_power_B_reac	271.439	0.0	135.7195	0.0
load	N_1800036093	constant_power_C_reac	271.439	0.0	135.7195	0.0
load	N_1800068156	constant_power_A	2676.5	879.725	1338.25	439.8625
load	N_1800068156	constant_power_B	2676.5	879.725	1338.25	439.8625
load	N_1800068156	constant_power_C	2676.5	879.725	1338.25	439.8625
load	N_1800068156	constant_power_A_real	2676.5	0.0	1338.25	0.0
load	N_1800068156	constant_power_B_real	2676.5	0.0	1338.25	0.0
load	N_1800068156	constant_power_C_real	2676.5	0.0	1338.25	0.0
load	N_1800068156	constant_power_A_reac	879.725	0.0	439.8625	0.0
load	N_1800068156	constant_power_B_reac	879.725	0.0	439.8625	0.0
load	N_1800068156	constant_power_C_reac	879.725	0.0	439.8625	0.0
load	N_1800020556	constant_power_A	13.206	8.18434	6.603	4.09217
load	N_1800020556	constant_power_C	13.206	8.18434	6.603	4.09217
load	N_1800020556	constant_power_A_real	13.206	0.0	6.603	0.0
load	N_1800020556	constant_power_C_real	13.206	0.0	6.603	0.0
load	N_1800020556	constant_power_A_reac	8.18434	0.0	4.09217	0.0
load	N_1800020556	constant_power_C_reac	8.18434	0.0	4.09217	0.0
load	N_1800038794	constant_power_A	832.006	273.467	416.003	136.7335
load	N_1800038794	constant_power_B	832.006	273.467	416.003	136.7335
load	N_1800038794	constant_power_A_real	832.006	0.0	416.003	0.0
load	N_1800038794	constant_power_B_real	832.006	0.0	416.003	0.0
load	N_1800038794	constant_power_A_reac	273.467	0.0	136.7335	0.0
load	N_1800038794	constant_power_B_reac	273.467	0.0	136.7335	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800020558	constant_power_A	1778.47	584.554	889.235	292.277
load	N_1800020558	constant_power_C	1778.47	584.554	889.235	292.277
load	N_1800020558	constant_power_A_real	1778.47	0.0	889.235	0.0
load	N_1800020558	constant_power_C_real	1778.47	0.0	889.235	0.0
load	N_1800020558	constant_power_A_reac	584.554	0.0	292.277	0.0
load	N_1800020558	constant_power_C_reac	584.554	0.0	292.277	0.0
load	N_1800038790	constant_power_A	1716.84	564.297	858.42	282.1485
load	N_1800038790	constant_power_B	1716.84	564.297	858.42	282.1485
load	N_1800038790	constant_power_A_real	1716.84	0.0	858.42	0.0
load	N_1800038790	constant_power_B_real	1716.84	0.0	858.42	0.0
load	N_1800038790	constant_power_A_reac	564.297	0.0	282.1485	0.0
load	N_1800038790	constant_power_B_reac	564.297	0.0	282.1485	0.0
load	N_1800038793	constant_power_A	1672.82	566.485	836.41	283.2425
load	N_1800038793	constant_power_B	1672.82	566.485	836.41	283.2425
load	N_1800038793	constant_power_A_real	1672.82	0.0	836.41	0.0
load	N_1800038793	constant_power_B_real	1672.82	0.0	836.41	0.0
load	N_1800038793	constant_power_A_reac	566.485	0.0	283.2425	0.0
load	N_1800038793	constant_power_B_reac	566.485	0.0	283.2425	0.0
load	N_1800038792	constant_power_A	347.77	114.306	173.885	57.153
load	N_1800038792	constant_power_B	347.77	114.306	173.885	57.153
load	N_1800038792	constant_power_A_real	347.77	0.0	173.885	0.0
load	N_1800038792	constant_power_B_real	347.77	0.0	173.885	0.0
load	N_1800038792	constant_power_A_reac	114.306	0.0	57.153	0.0
load	N_1800038792	constant_power_B_reac	114.306	0.0	57.153	0.0
load	N_1800039848	constant_power_A	4327.31	1422.32	2163.655	711.16
load	N_1800039848	constant_power_B	4327.31	1422.32	2163.655	711.16
load	N_1800039848	constant_power_A_real	4327.31	0.0	2163.655	0.0
load	N_1800039848	constant_power_B_real	4327.31	0.0	2163.655	0.0
load	N_1800039848	constant_power_A_reac	1422.32	0.0	711.16	0.0
load	N_1800039848	constant_power_B_reac	1422.32	0.0	711.16	0.0
load	N_1800039846	constant_power_A	630.974	207.391	315.487	103.6955
load	N_1800039846	constant_power_B	630.974	207.391	315.487	103.6955
load	N_1800039846	constant_power_C	630.974	207.391	315.487	103.6955
load	N_1800039846	constant_power_A_real	630.974	0.0	315.487	0.0
load	N_1800039846	constant_power_B_real	630.974	0.0	315.487	0.0
load	N_1800039846	constant_power_C_real	630.974	0.0	315.487	0.0
load	N_1800039846	constant_power_A_reac	207.391	0.0	103.6955	0.0
load	N_1800039846	constant_power_B_reac	207.391	0.0	103.6955	0.0
load	N_1800039846	constant_power_C_reac	207.391	0.0	103.6955	0.0
load	N_1800039844	constant_power_A	381.519	125.399	190.7595	62.6995
load	N_1800039844	constant_power_B	381.519	125.399	190.7595	62.6995
load	N_1800039844	constant_power_C	381.519	125.399	190.7595	62.6995
load	N_1800039844	constant_power_A_real	381.519	0.0	190.7595	0.0
load	N_1800039844	constant_power_B_real	381.519	0.0	190.7595	0.0
load	N_1800039844	constant_power_C_real	381.519	0.0	190.7595	0.0
load	N_1800039844	constant_power_A_reac	125.399	0.0	62.6995	0.0
load	N_1800039844	constant_power_B_reac	125.399	0.0	62.6995	0.0
load	N_1800039844	constant_power_C_reac	125.399	0.0	62.6995	0.0
load	N_1800061772	constant_power_A	29837.7	9807.19	14918.85	4903.595
load	N_1800061772	constant_power_A_real	29837.7	0.0	14918.85	0.0
load	N_1800061772	constant_power_A_reac	9807.19	0.0	4903.595	0.0
load	N_1800039842	constant_power_A	49.891	16.3984	24.9455	8.1992
load	N_1800039842	constant_power_B	49.891	16.3984	24.9455	8.1992
load	N_1800039842	constant_power_C	49.891	16.3984	24.9455	8.1992
load	N_1800039842	constant_power_A_real	49.891	0.0	24.9455	0.0
load	N_1800039842	constant_power_B_real	49.891	0.0	24.9455	0.0
load	N_1800039842	constant_power_C_real	49.891	0.0	24.9455	0.0
load	N_1800039842	constant_power_A_reac	16.3984	0.0	8.1992	0.0
load	N_1800039842	constant_power_B_reac	16.3984	0.0	8.1992	0.0
load	N_1800039842	constant_power_C_reac	16.3984	0.0	8.1992	0.0
load	N_1800039843	constant_power_A	1511.4	496.774	755.7	248.387
load	N_1800039843	constant_power_B	1511.4	496.774	755.7	248.387
load	N_1800039843	constant_power_C	1511.4	496.774	755.7	248.387

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800039843	constant_power_A_real	1511.4	0.0	755.7	0.0
load	N_1800039843	constant_power_B_real	1511.4	0.0	755.7	0.0
load	N_1800039843	constant_power_C_real	1511.4	0.0	755.7	0.0
load	N_1800039843	constant_power_A_reac	496.774	0.0	248.387	0.0
load	N_1800039843	constant_power_B_reac	496.774	0.0	248.387	0.0
load	N_1800039843	constant_power_C_reac	496.774	0.0	248.387	0.0
load	N_1800045620	constant_power_A	1411.62	551.105	705.81	275.5525
load	N_1800045620	constant_power_B	1411.62	551.105	705.81	275.5525
load	N_1800045620	constant_power_C	1411.62	551.105	705.81	275.5525
load	N_1800045620	constant_power_A_real	1411.62	0.0	705.81	0.0
load	N_1800045620	constant_power_B_real	1411.62	0.0	705.81	0.0
load	N_1800045620	constant_power_C_real	1411.62	0.0	705.81	0.0
load	N_1800045620	constant_power_A_reac	551.105	0.0	275.5525	0.0
load	N_1800045620	constant_power_B_reac	551.105	0.0	275.5525	0.0
load	N_1800045620	constant_power_C_reac	551.105	0.0	275.5525	0.0
load	N_1800004565	constant_power_A	1884.12	619.28	942.06	309.64
load	N_1800004565	constant_power_B	1884.12	619.28	942.06	309.64
load	N_1800004565	constant_power_A_real	1884.12	0.0	942.06	0.0
load	N_1800004565	constant_power_B_real	1884.12	0.0	942.06	0.0
load	N_1800004565	constant_power_A_reac	619.28	0.0	309.64	0.0
load	N_1800004565	constant_power_B_reac	619.28	0.0	309.64	0.0
load	N_1800021776	constant_power_A	73333.3	45447.9	36666.65	22723.95
load	N_1800021776	constant_power_B	73333.3	45447.9	36666.65	22723.95
load	N_1800021776	constant_power_C	73333.3	45447.9	36666.65	22723.95
load	N_1800021776	constant_power_A_real	73333.3	0.0	36666.65	0.0
load	N_1800021776	constant_power_B_real	73333.3	0.0	36666.65	0.0
load	N_1800021776	constant_power_C_real	73333.3	0.0	36666.65	0.0
load	N_1800021776	constant_power_A_reac	45447.9	0.0	22723.95	0.0
load	N_1800021776	constant_power_B_reac	45447.9	0.0	22723.95	0.0
load	N_1800021776	constant_power_C_reac	45447.9	0.0	22723.95	0.0
load	N_1800007031	constant_power_A	1091.73	358.835	545.865	179.4175
load	N_1800007031	constant_power_B	1091.73	358.835	545.865	179.4175
load	N_1800007031	constant_power_A_real	1091.73	0.0	545.865	0.0
load	N_1800007031	constant_power_B_real	1091.73	0.0	545.865	0.0
load	N_1800007031	constant_power_A_reac	358.835	0.0	179.4175	0.0
load	N_1800007031	constant_power_B_reac	358.835	0.0	179.4175	0.0
load	N_1800007034	constant_power_A	2641.29	868.149	1320.645	434.0745
load	N_1800007034	constant_power_B	2641.29	868.149	1320.645	434.0745
load	N_1800007034	constant_power_A_real	2641.29	0.0	1320.645	0.0
load	N_1800007034	constant_power_B_real	2641.29	0.0	1320.645	0.0
load	N_1800007034	constant_power_A_reac	868.149	0.0	434.0745	0.0
load	N_1800007034	constant_power_B_reac	868.149	0.0	434.0745	0.0
load	N_1800073825	constant_power_A	2245.09	737.927	1122.545	368.9635
load	N_1800073825	constant_power_B	2245.09	737.927	1122.545	368.9635
load	N_1800073825	constant_power_A_real	2245.09	0.0	1122.545	0.0
load	N_1800073825	constant_power_B_real	2245.09	0.0	1122.545	0.0
load	N_1800073825	constant_power_A_reac	737.927	0.0	368.9635	0.0
load	N_1800073825	constant_power_B_reac	737.927	0.0	368.9635	0.0
load	N_1800077385	constant_power_A	3336.83	1716.91	1668.415	858.455
load	N_1800077385	constant_power_B	3336.83	1716.91	1668.415	858.455
load	N_1800077385	constant_power_A_real	3336.83	0.0	1668.415	0.0
load	N_1800077385	constant_power_B_real	3336.83	0.0	1668.415	0.0
load	N_1800077385	constant_power_A_reac	1716.91	0.0	858.455	0.0
load	N_1800077385	constant_power_B_reac	1716.91	0.0	858.455	0.0
load	N_1800077384	constant_power_A	9303.2	5411.97	4651.6	2705.985
load	N_1800077384	constant_power_B	9303.2	5411.97	4651.6	2705.985
load	N_1800077384	constant_power_C	9303.2	5411.97	4651.6	2705.985
load	N_1800077384	constant_power_A_real	9303.2	0.0	4651.6	0.0
load	N_1800077384	constant_power_B_real	9303.2	0.0	4651.6	0.0
load	N_1800077384	constant_power_C_real	9303.2	0.0	4651.6	0.0
load	N_1800077384	constant_power_A_reac	5411.97	0.0	2705.985	0.0
load	N_1800077384	constant_power_B_reac	5411.97	0.0	2705.985	0.0
load	N_1800077384	constant_power_C_reac	5411.97	0.0	2705.985	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070248	constant_power_A	1443.9	474.588	721.95	237.294
load	N_1800070248	constant_power_B	1443.9	474.588	721.95	237.294
load	N_1800070248	constant_power_A_real	1443.9	0.0	721.95	0.0
load	N_1800070248	constant_power_B_real	1443.9	0.0	721.95	0.0
load	N_1800070248	constant_power_A_reac	474.588	0.0	237.294	0.0
load	N_1800070248	constant_power_B_reac	474.588	0.0	237.294	0.0
load	N_1800040486	constant_power_A	933.255	306.746	466.6275	153.373
load	N_1800040486	constant_power_B	933.255	306.746	466.6275	153.373
load	N_1800040486	constant_power_A_real	933.255	0.0	466.6275	0.0
load	N_1800040486	constant_power_B_real	933.255	0.0	466.6275	0.0
load	N_1800040486	constant_power_A_reac	306.746	0.0	153.373	0.0
load	N_1800040486	constant_power_B_reac	306.746	0.0	153.373	0.0
load	N_1800038642	constant_power_A	7135.88	2345.45	3567.94	1172.725
load	N_1800038642	constant_power_B	7135.88	2345.45	3567.94	1172.725
load	N_1800038642	constant_power_A_real	7135.88	0.0	3567.94	0.0
load	N_1800038642	constant_power_B_real	7135.88	0.0	3567.94	0.0
load	N_1800038642	constant_power_A_reac	2345.45	0.0	1172.725	0.0
load	N_1800038642	constant_power_B_reac	2345.45	0.0	1172.725	0.0
load	N_1800067914	constant_power_A	915.646	300.958	457.823	150.479
load	N_1800067914	constant_power_B	915.646	300.958	457.823	150.479
load	N_1800067914	constant_power_A_real	915.646	0.0	457.823	0.0
load	N_1800067914	constant_power_B_real	915.646	0.0	457.823	0.0
load	N_1800067914	constant_power_A_reac	300.958	0.0	150.479	0.0
load	N_1800067914	constant_power_B_reac	300.958	0.0	150.479	0.0
load	N_1800040240	constant_power_A	3526.12	1158.98	1763.06	579.49
load	N_1800040240	constant_power_B	3526.12	1158.98	1763.06	579.49
load	N_1800040240	constant_power_A_real	3526.12	0.0	1763.06	0.0
load	N_1800040240	constant_power_B_real	3526.12	0.0	1763.06	0.0
load	N_1800040240	constant_power_A_reac	1158.98	0.0	579.49	0.0
load	N_1800040240	constant_power_B_reac	1158.98	0.0	579.49	0.0
load	N_1800040242	constant_power_A	325.759	107.072	162.8795	53.536
load	N_1800040242	constant_power_B	325.759	107.072	162.8795	53.536
load	N_1800040242	constant_power_C	325.759	107.072	162.8795	53.536
load	N_1800040242	constant_power_A_real	325.759	0.0	162.8795	0.0
load	N_1800040242	constant_power_B_real	325.759	0.0	162.8795	0.0
load	N_1800040242	constant_power_C_real	325.759	0.0	162.8795	0.0
load	N_1800040242	constant_power_A_reac	107.072	0.0	53.536	0.0
load	N_1800040242	constant_power_B_reac	107.072	0.0	53.536	0.0
load	N_1800040242	constant_power_C_reac	107.072	0.0	53.536	0.0
load	N_1800040243	constant_power_A	281.737	92.6026	140.8685	46.3013
load	N_1800040243	constant_power_B	281.737	92.6026	140.8685	46.3013
load	N_1800040243	constant_power_C	281.737	92.6026	140.8685	46.3013
load	N_1800040243	constant_power_A_real	281.737	0.0	140.8685	0.0
load	N_1800040243	constant_power_B_real	281.737	0.0	140.8685	0.0
load	N_1800040243	constant_power_C_real	281.737	0.0	140.8685	0.0
load	N_1800040243	constant_power_A_reac	92.6026	0.0	46.3013	0.0
load	N_1800040243	constant_power_B_reac	92.6026	0.0	46.3013	0.0
load	N_1800040243	constant_power_C_reac	92.6026	0.0	46.3013	0.0
load	N_1800040249	constant_power_A	2187.87	719.117	1093.935	359.5585
load	N_1800040249	constant_power_B	2187.87	719.117	1093.935	359.5585
load	N_1800040249	constant_power_A_real	2187.87	0.0	1093.935	0.0
load	N_1800040249	constant_power_B_real	2187.87	0.0	1093.935	0.0
load	N_1800040249	constant_power_A_reac	719.117	0.0	359.5585	0.0
load	N_1800040249	constant_power_B_reac	719.117	0.0	359.5585	0.0
load	N_1800020609	constant_power_A	2145.31	1329.55	1072.655	664.775
load	N_1800020609	constant_power_B	2145.31	1329.55	1072.655	664.775
load	N_1800020609	constant_power_C	2145.31	1329.55	1072.655	664.775
load	N_1800020609	constant_power_A_real	2145.31	0.0	1072.655	0.0
load	N_1800020609	constant_power_B_real	2145.31	0.0	1072.655	0.0
load	N_1800020609	constant_power_C_real	2145.31	0.0	1072.655	0.0
load	N_1800020609	constant_power_A_reac	1329.55	0.0	664.775	0.0
load	N_1800020609	constant_power_B_reac	1329.55	0.0	664.775	0.0
load	N_1800020609	constant_power_C_reac	1329.55	0.0	664.775	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800208050	constant_power_A	959.668	315.428	479.834	157.714
load	N_1800208050	constant_power_B	959.668	315.428	479.834	157.714
load	N_1800208050	constant_power_A_real	959.668	0.0	479.834	0.0
load	N_1800208050	constant_power_B_real	959.668	0.0	479.834	0.0
load	N_1800208050	constant_power_A_reac	315.428	0.0	157.714	0.0
load	N_1800208050	constant_power_B_reac	315.428	0.0	157.714	0.0
load	N_1800040460	constant_power_A	1329.45	436.968	664.725	218.484
load	N_1800040460	constant_power_B	1329.45	436.968	664.725	218.484
load	N_1800040460	constant_power_A_real	1329.45	0.0	664.725	0.0
load	N_1800040460	constant_power_B_real	1329.45	0.0	664.725	0.0
load	N_1800040460	constant_power_A_reac	436.968	0.0	218.484	0.0
load	N_1800040460	constant_power_B_reac	436.968	0.0	218.484	0.0
load	N_1800000331	constant_power_A	7589.3	4703.43	3794.65	2351.715
load	N_1800000331	constant_power_B	7589.3	4703.43	3794.65	2351.715
load	N_1800000331	constant_power_C	7589.3	4703.43	3794.65	2351.715
load	N_1800000331	constant_power_A_real	7589.3	0.0	3794.65	0.0
load	N_1800000331	constant_power_B_real	7589.3	0.0	3794.65	0.0
load	N_1800000331	constant_power_C_real	7589.3	0.0	3794.65	0.0
load	N_1800000331	constant_power_A_reac	4703.43	0.0	2351.715	0.0
load	N_1800000331	constant_power_B_reac	4703.43	0.0	2351.715	0.0
load	N_1800000331	constant_power_C_reac	4703.43	0.0	2351.715	0.0
load	N_1800000332	constant_power_A	8810.16	5460.05	4405.08	2730.025
load	N_1800000332	constant_power_B	8810.16	5460.05	4405.08	2730.025
load	N_1800000332	constant_power_C	8810.16	5460.05	4405.08	2730.025
load	N_1800000332	constant_power_A_real	8810.16	0.0	4405.08	0.0
load	N_1800000332	constant_power_B_real	8810.16	0.0	4405.08	0.0
load	N_1800000332	constant_power_C_real	8810.16	0.0	4405.08	0.0
load	N_1800000332	constant_power_A_reac	5460.05	0.0	2730.025	0.0
load	N_1800000332	constant_power_B_reac	5460.05	0.0	2730.025	0.0
load	N_1800000332	constant_power_C_reac	5460.05	0.0	2730.025	0.0
load	N_1800040463	constant_power_A	2297.92	755.29	1148.96	377.645
load	N_1800040463	constant_power_B	2297.92	755.29	1148.96	377.645
load	N_1800040463	constant_power_A_real	2297.92	0.0	1148.96	0.0
load	N_1800040463	constant_power_B_real	2297.92	0.0	1148.96	0.0
load	N_1800040463	constant_power_A_reac	755.29	0.0	377.645	0.0
load	N_1800040463	constant_power_B_reac	755.29	0.0	377.645	0.0
load	N_1800011108	constant_power_A	308.15	101.284	154.075	50.642
load	N_1800011108	constant_power_B	308.15	101.284	154.075	50.642
load	N_1800011108	constant_power_C	308.15	101.284	154.075	50.642
load	N_1800011108	constant_power_A_real	308.15	0.0	154.075	0.0
load	N_1800011108	constant_power_B_real	308.15	0.0	154.075	0.0
load	N_1800011108	constant_power_C_real	308.15	0.0	154.075	0.0
load	N_1800011108	constant_power_A_reac	101.284	0.0	50.642	0.0
load	N_1800011108	constant_power_B_reac	101.284	0.0	50.642	0.0
load	N_1800011108	constant_power_C_reac	101.284	0.0	50.642	0.0
load	N_1800070529	constant_power_A	4556.22	1497.56	2278.11	748.78
load	N_1800070529	constant_power_B	4556.22	1497.56	2278.11	748.78
load	N_1800070529	constant_power_A_real	4556.22	0.0	2278.11	0.0
load	N_1800070529	constant_power_B_real	4556.22	0.0	2278.11	0.0
load	N_1800070529	constant_power_A_reac	1497.56	0.0	748.78	0.0
load	N_1800070529	constant_power_B_reac	1497.56	0.0	748.78	0.0
load	N_1800007852	constant_power_A	302.281	187.337	151.1405	93.6685
load	N_1800007852	constant_power_B	302.281	187.337	151.1405	93.6685
load	N_1800007852	constant_power_C	302.281	187.337	151.1405	93.6685
load	N_1800007852	constant_power_A_real	302.281	0.0	151.1405	0.0
load	N_1800007852	constant_power_B_real	302.281	0.0	151.1405	0.0
load	N_1800007852	constant_power_C_real	302.281	0.0	151.1405	0.0
load	N_1800007852	constant_power_A_reac	187.337	0.0	93.6685	0.0
load	N_1800007852	constant_power_B_reac	187.337	0.0	93.6685	0.0
load	N_1800007852	constant_power_C_reac	187.337	0.0	93.6685	0.0
load	N_1800007854	constant_power_A	167.282	80.6086	83.641	40.3043
load	N_1800007854	constant_power_B	167.282	80.6086	83.641	40.3043
load	N_1800007854	constant_power_C	167.282	80.6086	83.641	40.3043

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800007854	constant_power_A_real	167.282	0.0	83.641	0.0
load	N_1800007854	constant_power_B_real	167.282	0.0	83.641	0.0
load	N_1800007854	constant_power_C_real	167.282	0.0	83.641	0.0
load	N_1800007854	constant_power_A_reac	80.6086	0.0	40.3043	0.0
load	N_1800007854	constant_power_B_reac	80.6086	0.0	40.3043	0.0
load	N_1800007854	constant_power_C_reac	80.6086	0.0	40.3043	0.0
load	N_1800007584	constant_power_A	1168.04	383.915	584.02	191.9575
load	N_1800007584	constant_power_B	1168.04	383.915	584.02	191.9575
load	N_1800007584	constant_power_C	1168.04	383.915	584.02	191.9575
load	N_1800007584	constant_power_A_real	1168.04	0.0	584.02	0.0
load	N_1800007584	constant_power_B_real	1168.04	0.0	584.02	0.0
load	N_1800007584	constant_power_C_real	1168.04	0.0	584.02	0.0
load	N_1800007584	constant_power_A_reac	383.915	0.0	191.9575	0.0
load	N_1800007584	constant_power_B_reac	383.915	0.0	191.9575	0.0
load	N_1800007584	constant_power_C_reac	383.915	0.0	191.9575	0.0
load	N_1800037057	constant_power_A	14.6737	4.823	7.33685	2.4115
load	N_1800037057	constant_power_B	14.6737	4.823	7.33685	2.4115
load	N_1800037057	constant_power_C	14.6737	4.823	7.33685	2.4115
load	N_1800037057	constant_power_A_real	14.6737	0.0	7.33685	0.0
load	N_1800037057	constant_power_B_real	14.6737	0.0	7.33685	0.0
load	N_1800037057	constant_power_C_real	14.6737	0.0	7.33685	0.0
load	N_1800037057	constant_power_A_reac	4.823	0.0	2.4115	0.0
load	N_1800037057	constant_power_B_reac	4.823	0.0	2.4115	0.0
load	N_1800037057	constant_power_C_reac	4.823	0.0	2.4115	0.0
load	N_1800006672	constant_power_A	396.193	130.222	198.0965	65.111
load	N_1800006672	constant_power_B	396.193	130.222	198.0965	65.111
load	N_1800006672	constant_power_C	396.193	130.222	198.0965	65.111
load	N_1800006672	constant_power_A_real	396.193	0.0	198.0965	0.0
load	N_1800006672	constant_power_B_real	396.193	0.0	198.0965	0.0
load	N_1800006672	constant_power_C_real	396.193	0.0	198.0965	0.0
load	N_1800006672	constant_power_A_reac	130.222	0.0	65.111	0.0
load	N_1800006672	constant_power_B_reac	130.222	0.0	65.111	0.0
load	N_1800006672	constant_power_C_reac	130.222	0.0	65.111	0.0
load	N_1800068373	constant_power_A	2582.59	1380.17	1291.295	690.085
load	N_1800068373	constant_power_B	2582.59	1380.17	1291.295	690.085
load	N_1800068373	constant_power_C	2582.59	1380.17	1291.295	690.085
load	N_1800068373	constant_power_A_real	2582.59	0.0	1291.295	0.0
load	N_1800068373	constant_power_B_real	2582.59	0.0	1291.295	0.0
load	N_1800068373	constant_power_C_real	2582.59	0.0	1291.295	0.0
load	N_1800068373	constant_power_A_reac	1380.17	0.0	690.085	0.0
load	N_1800068373	constant_power_B_reac	1380.17	0.0	690.085	0.0
load	N_1800068373	constant_power_C_reac	1380.17	0.0	690.085	0.0
load	N_1800010964	constant_power_A	2039.66	670.404	1019.83	335.202
load	N_1800010964	constant_power_B	2039.66	670.404	1019.83	335.202
load	N_1800010964	constant_power_C	2039.66	670.404	1019.83	335.202
load	N_1800010964	constant_power_A_real	2039.66	0.0	1019.83	0.0
load	N_1800010964	constant_power_B_real	2039.66	0.0	1019.83	0.0
load	N_1800010964	constant_power_C_real	2039.66	0.0	1019.83	0.0
load	N_1800010964	constant_power_A_reac	670.404	0.0	335.202	0.0
load	N_1800010964	constant_power_B_reac	670.404	0.0	335.202	0.0
load	N_1800010964	constant_power_C_reac	670.404	0.0	335.202	0.0
load	N_1800072476	constant_power_A	1694.83	557.062	847.415	278.531
load	N_1800072476	constant_power_B	1694.83	557.062	847.415	278.531
load	N_1800072476	constant_power_A_real	1694.83	0.0	847.415	0.0
load	N_1800072476	constant_power_B_real	1694.83	0.0	847.415	0.0
load	N_1800072476	constant_power_A_reac	557.062	0.0	278.531	0.0
load	N_1800072476	constant_power_B_reac	557.062	0.0	278.531	0.0
load	N_1800077154	constant_power_A	1782.87	586.001	891.435	293.0005
load	N_1800077154	constant_power_B	1782.87	586.001	891.435	293.0005
load	N_1800077154	constant_power_A_real	1782.87	0.0	891.435	0.0
load	N_1800077154	constant_power_B_real	1782.87	0.0	891.435	0.0
load	N_1800077154	constant_power_A_reac	586.001	0.0	293.0005	0.0
load	N_1800077154	constant_power_B_reac	586.001	0.0	293.0005	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072472	constant_power_A	453.421	149.032	226.7105	74.516
load	N_1800072472	constant_power_B	453.421	149.032	226.7105	74.516
load	N_1800072472	constant_power_A_real	453.421	0.0	226.7105	0.0
load	N_1800072472	constant_power_B_real	453.421	0.0	226.7105	0.0
load	N_1800072472	constant_power_A_reac	149.032	0.0	74.516	0.0
load	N_1800072472	constant_power_B_reac	149.032	0.0	74.516	0.0
load	N_1800077153	constant_power_A	462.225	205.74	231.1125	102.87
load	N_1800077153	constant_power_B	462.225	205.74	231.1125	102.87
load	N_1800077153	constant_power_A_real	462.225	0.0	231.1125	0.0
load	N_1800077153	constant_power_B_real	462.225	0.0	231.1125	0.0
load	N_1800077153	constant_power_A_reac	205.74	0.0	102.87	0.0
load	N_1800077153	constant_power_B_reac	205.74	0.0	102.87	0.0
load	N_1800038251	constant_power_A	805.593	264.786	402.7965	132.393
load	N_1800038251	constant_power_B	805.593	264.786	402.7965	132.393
load	N_1800038251	constant_power_A_real	805.593	0.0	402.7965	0.0
load	N_1800038251	constant_power_B_real	805.593	0.0	402.7965	0.0
load	N_1800038251	constant_power_A_reac	264.786	0.0	132.393	0.0
load	N_1800038251	constant_power_B_reac	264.786	0.0	132.393	0.0
load	N_1800072274	constant_power_A	1377.87	452.885	688.935	226.4425
load	N_1800072274	constant_power_B	1377.87	452.885	688.935	226.4425
load	N_1800072274	constant_power_A_real	1377.87	0.0	688.935	0.0
load	N_1800072274	constant_power_B_real	1377.87	0.0	688.935	0.0
load	N_1800072274	constant_power_A_reac	452.885	0.0	226.4425	0.0
load	N_1800072274	constant_power_B_reac	452.885	0.0	226.4425	0.0
load	N_1800072275	constant_power_A	4311.17	2642.78	2155.585	1321.39
load	N_1800072275	constant_power_B	4311.17	2642.78	2155.585	1321.39
load	N_1800072275	constant_power_C	4311.17	2642.78	2155.585	1321.39
load	N_1800072275	constant_power_A_real	4311.17	0.0	2155.585	0.0
load	N_1800072275	constant_power_B_real	4311.17	0.0	2155.585	0.0
load	N_1800072275	constant_power_C_real	4311.17	0.0	2155.585	0.0
load	N_1800072275	constant_power_A_reac	2642.78	0.0	1321.39	0.0
load	N_1800072275	constant_power_B_reac	2642.78	0.0	1321.39	0.0
load	N_1800072275	constant_power_C_reac	2642.78	0.0	1321.39	0.0
load	N_1800072277	constant_power_A	466.627	153.373	233.3135	76.6865
load	N_1800072277	constant_power_B	466.627	153.373	233.3135	76.6865
load	N_1800072277	constant_power_A_real	466.627	0.0	233.3135	0.0
load	N_1800072277	constant_power_B_real	466.627	0.0	233.3135	0.0
load	N_1800072277	constant_power_A_reac	153.373	0.0	76.6865	0.0
load	N_1800072277	constant_power_B_reac	153.373	0.0	76.6865	0.0
load	N_1800072270	constant_power_A	537.062	176.524	268.531	88.262
load	N_1800072270	constant_power_B	537.062	176.524	268.531	88.262
load	N_1800072270	constant_power_C	537.062	176.524	268.531	88.262
load	N_1800072270	constant_power_A_real	537.062	0.0	268.531	0.0
load	N_1800072270	constant_power_B_real	537.062	0.0	268.531	0.0
load	N_1800072270	constant_power_C_real	537.062	0.0	268.531	0.0
load	N_1800072270	constant_power_A_reac	176.524	0.0	88.262	0.0
load	N_1800072270	constant_power_B_reac	176.524	0.0	88.262	0.0
load	N_1800072270	constant_power_C_reac	176.524	0.0	88.262	0.0
load	N_1800029171	constant_power_A	1223.8	402.243	611.9	201.1215
load	N_1800029171	constant_power_B	1223.8	402.243	611.9	201.1215
load	N_1800029171	constant_power_A_real	1223.8	0.0	611.9	0.0
load	N_1800029171	constant_power_B_real	1223.8	0.0	611.9	0.0
load	N_1800029171	constant_power_A_reac	402.243	0.0	201.1215	0.0
load	N_1800029171	constant_power_B_reac	402.243	0.0	201.1215	0.0
load	N_1800029170	constant_power_A	1373.47	451.438	686.735	225.719
load	N_1800029170	constant_power_B	1373.47	451.438	686.735	225.719
load	N_1800029170	constant_power_A_real	1373.47	0.0	686.735	0.0
load	N_1800029170	constant_power_B_real	1373.47	0.0	686.735	0.0
load	N_1800029170	constant_power_A_reac	451.438	0.0	225.719	0.0
load	N_1800029170	constant_power_B_reac	451.438	0.0	225.719	0.0
load	N_1800034154	constant_power_A	707.278	438.332	353.639	219.166
load	N_1800034154	constant_power_B	707.278	438.332	353.639	219.166
load	N_1800034154	constant_power_C	707.278	438.332	353.639	219.166

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800034154	constant_power_A_real	707.278	0.0	353.639	0.0
load	N_1800034154	constant_power_B_real	707.278	0.0	353.639	0.0
load	N_1800034154	constant_power_C_real	707.278	0.0	353.639	0.0
load	N_1800034154	constant_power_A_reac	438.332	0.0	219.166	0.0
load	N_1800034154	constant_power_B_reac	438.332	0.0	219.166	0.0
load	N_1800034154	constant_power_C_reac	438.332	0.0	219.166	0.0
load	N_1800068379	constant_power_A	15313.6	9490.52	7656.8	4745.26
load	N_1800068379	constant_power_B	15313.6	9490.52	7656.8	4745.26
load	N_1800068379	constant_power_C	15313.6	9490.52	7656.8	4745.26
load	N_1800068379	constant_power_A_real	15313.6	0.0	7656.8	0.0
load	N_1800068379	constant_power_B_real	15313.6	0.0	7656.8	0.0
load	N_1800068379	constant_power_C_real	15313.6	0.0	7656.8	0.0
load	N_1800068379	constant_power_A_reac	9490.52	0.0	4745.26	0.0
load	N_1800068379	constant_power_B_reac	9490.52	0.0	4745.26	0.0
load	N_1800068379	constant_power_C_reac	9490.52	0.0	4745.26	0.0
load	N_1800043316	constant_power_A	6598.82	4089.58	3299.41	2044.79
load	N_1800043316	constant_power_B	6598.82	4089.58	3299.41	2044.79
load	N_1800043316	constant_power_A_real	6598.82	0.0	3299.41	0.0
load	N_1800043316	constant_power_B_real	6598.82	0.0	3299.41	0.0
load	N_1800043316	constant_power_A_reac	4089.58	0.0	2044.79	0.0
load	N_1800043316	constant_power_B_reac	4089.58	0.0	2044.79	0.0
load	N_1800043315	constant_power_A	2117.43	695.966	1058.715	347.983
load	N_1800043315	constant_power_B	2117.43	695.966	1058.715	347.983
load	N_1800043315	constant_power_A_real	2117.43	0.0	1058.715	0.0
load	N_1800043315	constant_power_B_real	2117.43	0.0	1058.715	0.0
load	N_1800043315	constant_power_A_reac	695.966	0.0	347.983	0.0
load	N_1800043315	constant_power_B_reac	695.966	0.0	347.983	0.0
load	N_1800043314	constant_power_A	1769.66	581.66	884.83	290.83
load	N_1800043314	constant_power_B	1769.66	581.66	884.83	290.83
load	N_1800043314	constant_power_A_real	1769.66	0.0	884.83	0.0
load	N_1800043314	constant_power_B_real	1769.66	0.0	884.83	0.0
load	N_1800043314	constant_power_A_reac	581.66	0.0	290.83	0.0
load	N_1800043314	constant_power_B_reac	581.66	0.0	290.83	0.0
load	N_1800069636	constant_power_A	2179.06	716.223	1089.53	358.1115
load	N_1800069636	constant_power_B	2179.06	716.223	1089.53	358.1115
load	N_1800069636	constant_power_A_real	2179.06	0.0	1089.53	0.0
load	N_1800069636	constant_power_B_real	2179.06	0.0	1089.53	0.0
load	N_1800069636	constant_power_A_reac	716.223	0.0	358.1115	0.0
load	N_1800069636	constant_power_B_reac	716.223	0.0	358.1115	0.0
load	N_1800073019	constant_power_A	1109.34	364.623	554.67	182.3115
load	N_1800073019	constant_power_B	1109.34	364.623	554.67	182.3115
load	N_1800073019	constant_power_A_real	1109.34	0.0	554.67	0.0
load	N_1800073019	constant_power_B_real	1109.34	0.0	554.67	0.0
load	N_1800073019	constant_power_A_reac	364.623	0.0	182.3115	0.0
load	N_1800073019	constant_power_B_reac	364.623	0.0	182.3115	0.0
load	N_1800037388	constant_power_A	2421.18	795.803	1210.59	397.9015
load	N_1800037388	constant_power_B	2421.18	795.803	1210.59	397.9015
load	N_1800037388	constant_power_A_real	2421.18	0.0	1210.59	0.0
load	N_1800037388	constant_power_B_real	2421.18	0.0	1210.59	0.0
load	N_1800037388	constant_power_A_reac	795.803	0.0	397.9015	0.0
load	N_1800037388	constant_power_B_reac	795.803	0.0	397.9015	0.0
load	N_1800073017	constant_power_A	3504.11	1151.74	1752.055	575.87
load	N_1800073017	constant_power_B	3504.11	1151.74	1752.055	575.87
load	N_1800073017	constant_power_A_real	3504.11	0.0	1752.055	0.0
load	N_1800073017	constant_power_B_real	3504.11	0.0	1752.055	0.0
load	N_1800073017	constant_power_A_reac	1151.74	0.0	575.87	0.0
load	N_1800073017	constant_power_B_reac	1151.74	0.0	575.87	0.0
load	N_18000201210	constant_power_A	2758.68	1709.68	1379.34	854.84
load	N_18000201210	constant_power_B	2758.68	1709.68	1379.34	854.84
load	N_18000201210	constant_power_C	2758.68	1709.68	1379.34	854.84
load	N_18000201210	constant_power_A_real	2758.68	0.0	1379.34	0.0
load	N_18000201210	constant_power_B_real	2758.68	0.0	1379.34	0.0
load	N_18000201210	constant_power_C_real	2758.68	0.0	1379.34	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800201210	constant_power_A_reac	1709.68	0.0	854.84	0.0
load	N_1800201210	constant_power_B_reac	1709.68	0.0	854.84	0.0
load	N_1800201210	constant_power_C_reac	1709.68	0.0	854.84	0.0
load	N_1800025499	constant_power_A	404.997	133.116	202.4985	66.558
load	N_1800025499	constant_power_C	404.997	133.116	202.4985	66.558
load	N_1800025499	constant_power_A_real	404.997	0.0	202.4985	0.0
load	N_1800025499	constant_power_C_real	404.997	0.0	202.4985	0.0
load	N_1800025499	constant_power_A_reac	133.116	0.0	66.558	0.0
load	N_1800025499	constant_power_C_reac	133.116	0.0	66.558	0.0
load	N_1800071879	constant_power_A	1303.04	428.287	651.52	214.1435
load	N_1800071879	constant_power_B	1303.04	428.287	651.52	214.1435
load	N_1800071879	constant_power_A_real	1303.04	0.0	651.52	0.0
load	N_1800071879	constant_power_B_real	1303.04	0.0	651.52	0.0
load	N_1800071879	constant_power_A_reac	428.287	0.0	214.1435	0.0
load	N_1800071879	constant_power_B_reac	428.287	0.0	214.1435	0.0
load	N_1800071876	constant_power_A	8.804	2.89373	4.402	1.446865
load	N_1800071876	constant_power_B	8.804	2.89373	4.402	1.446865
load	N_1800071876	constant_power_A_real	8.804	0.0	4.402	0.0
load	N_1800071876	constant_power_B_real	8.804	0.0	4.402	0.0
load	N_1800071876	constant_power_A_reac	2.89373	0.0	1.446865	0.0
load	N_1800071876	constant_power_B_reac	2.89373	0.0	1.446865	0.0
load	N_1800071873	constant_power_A	449.019	147.585	224.5095	73.7925
load	N_1800071873	constant_power_B	449.019	147.585	224.5095	73.7925
load	N_1800071873	constant_power_C	449.019	147.585	224.5095	73.7925
load	N_1800071873	constant_power_A_real	449.019	0.0	224.5095	0.0
load	N_1800071873	constant_power_B_real	449.019	0.0	224.5095	0.0
load	N_1800071873	constant_power_C_real	449.019	0.0	224.5095	0.0
load	N_1800071873	constant_power_A_reac	147.585	0.0	73.7925	0.0
load	N_1800071873	constant_power_B_reac	147.585	0.0	73.7925	0.0
load	N_1800071873	constant_power_C_reac	147.585	0.0	73.7925	0.0
load	N_1800071870	constant_power_A	4129.21	1357.21	2064.605	678.605
load	N_1800071870	constant_power_B	4129.21	1357.21	2064.605	678.605
load	N_1800071870	constant_power_A_real	4129.21	0.0	2064.605	0.0
load	N_1800071870	constant_power_B_real	4129.21	0.0	2064.605	0.0
load	N_1800071870	constant_power_A_reac	1357.21	0.0	678.605	0.0
load	N_1800071870	constant_power_B_reac	1357.21	0.0	678.605	0.0
load	N_1800010431	constant_power_A	1241.4	408.03	620.7	204.015
load	N_1800010431	constant_power_A_real	1241.4	0.0	620.7	0.0
load	N_1800010431	constant_power_A_reac	408.03	0.0	204.015	0.0
load	N_1800070721	constant_power_A	440.215	144.692	220.1075	72.346
load	N_1800070721	constant_power_B	440.215	144.692	220.1075	72.346
load	N_1800070721	constant_power_A_real	440.215	0.0	220.1075	0.0
load	N_1800070721	constant_power_B_real	440.215	0.0	220.1075	0.0
load	N_1800070721	constant_power_A_reac	144.692	0.0	72.346	0.0
load	N_1800070721	constant_power_B_reac	144.692	0.0	72.346	0.0
load	N_1800069615	constant_power_A	5300.18	1742.09	2650.09	871.045
load	N_1800069615	constant_power_B	5300.18	1742.09	2650.09	871.045
load	N_1800069615	constant_power_A_real	5300.18	0.0	2650.09	0.0
load	N_1800069615	constant_power_B_real	5300.18	0.0	2650.09	0.0
load	N_1800069615	constant_power_A_reac	1742.09	0.0	871.045	0.0
load	N_1800069615	constant_power_B_reac	1742.09	0.0	871.045	0.0
load	N_1800070725	constant_power_A	1413.09	564.4	706.545	282.2
load	N_1800070725	constant_power_B	1413.09	564.4	706.545	282.2
load	N_1800070725	constant_power_A_real	1413.09	0.0	706.545	0.0
load	N_1800070725	constant_power_B_real	1413.09	0.0	706.545	0.0
load	N_1800070725	constant_power_A_reac	564.4	0.0	282.2	0.0
load	N_1800070725	constant_power_B_reac	564.4	0.0	282.2	0.0
load	N_1800002197	constant_power_A	1963.36	645.324	981.68	322.662
load	N_1800002197	constant_power_C	1963.36	645.324	981.68	322.662
load	N_1800002197	constant_power_A_real	1963.36	0.0	981.68	0.0
load	N_1800002197	constant_power_C_real	1963.36	0.0	981.68	0.0
load	N_1800002197	constant_power_A_reac	645.324	0.0	322.662	0.0
load	N_1800002197	constant_power_C_reac	645.324	0.0	322.662	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800031451	constant_power_A	955.266	313.981	477.633	156.9905
load	N_1800031451	constant_power_B	955.266	313.981	477.633	156.9905
load	N_1800031451	constant_power_A_real	955.266	0.0	477.633	0.0
load	N_1800031451	constant_power_B_real	955.266	0.0	477.633	0.0
load	N_1800031451	constant_power_A_reac	313.981	0.0	156.9905	0.0
load	N_1800031451	constant_power_B_reac	313.981	0.0	156.9905	0.0
load	N_1800002191	constant_power_A	8.804	2.89373	4.402	1.446865
load	N_1800002191	constant_power_C	8.804	2.89373	4.402	1.446865
load	N_1800002191	constant_power_A_real	8.804	0.0	4.402	0.0
load	N_1800002191	constant_power_C_real	8.804	0.0	4.402	0.0
load	N_1800002191	constant_power_A_reac	2.89373	0.0	1.446865	0.0
load	N_1800002191	constant_power_C_reac	2.89373	0.0	1.446865	0.0
load	N_1800008915	constant_power_A	2192.27	720.564	1096.135	360.282
load	N_1800008915	constant_power_B	2192.27	720.564	1096.135	360.282
load	N_1800008915	constant_power_A_real	2192.27	0.0	1096.135	0.0
load	N_1800008915	constant_power_B_real	2192.27	0.0	1096.135	0.0
load	N_1800008915	constant_power_A_reac	720.564	0.0	360.282	0.0
load	N_1800008915	constant_power_B_reac	720.564	0.0	360.282	0.0
load	N_1800008916	constant_power_A	356.574	117.2	178.287	58.6
load	N_1800008916	constant_power_B	356.574	117.2	178.287	58.6
load	N_1800008916	constant_power_A_real	356.574	0.0	178.287	0.0
load	N_1800008916	constant_power_B_real	356.574	0.0	178.287	0.0
load	N_1800008916	constant_power_A_reac	117.2	0.0	58.6	0.0
load	N_1800008916	constant_power_B_reac	117.2	0.0	58.6	0.0
load	N_1800078132	constant_power_A	4014.76	1319.59	2007.38	659.795
load	N_1800078132	constant_power_A_real	4014.76	0.0	2007.38	0.0
load	N_1800078132	constant_power_A_reac	1319.59	0.0	659.795	0.0
load	N_1800194209	constant_power_A	2242.16	1389.57	1121.08	694.785
load	N_1800194209	constant_power_B	2242.16	1389.57	1121.08	694.785
load	N_1800194209	constant_power_C	2242.16	1389.57	1121.08	694.785
load	N_1800194209	constant_power_A_real	2242.16	0.0	1121.08	0.0
load	N_1800194209	constant_power_B_real	2242.16	0.0	1121.08	0.0
load	N_1800194209	constant_power_C_real	2242.16	0.0	1121.08	0.0
load	N_1800194209	constant_power_A_reac	1389.57	0.0	694.785	0.0
load	N_1800194209	constant_power_B_reac	1389.57	0.0	694.785	0.0
load	N_1800194209	constant_power_C_reac	1389.57	0.0	694.785	0.0
load	N_1800035334	constant_power_A	1536.35	504.973	768.175	252.4865
load	N_1800035334	constant_power_B	1536.35	504.973	768.175	252.4865
load	N_1800035334	constant_power_A_real	1536.35	0.0	768.175	0.0
load	N_1800035334	constant_power_B_real	1536.35	0.0	768.175	0.0
load	N_1800035334	constant_power_A_reac	504.973	0.0	252.4865	0.0
load	N_1800035334	constant_power_B_reac	504.973	0.0	252.4865	0.0
load	N_1800003220	constant_power_A	1294.23	425.393	647.115	212.6965
load	N_1800003220	constant_power_B	1294.23	425.393	647.115	212.6965
load	N_1800003220	constant_power_A_real	1294.23	0.0	647.115	0.0
load	N_1800003220	constant_power_B_real	1294.23	0.0	647.115	0.0
load	N_1800003220	constant_power_A_reac	425.393	0.0	212.6965	0.0
load	N_1800003220	constant_power_B_reac	425.393	0.0	212.6965	0.0
load	N_1800072498	constant_power_A	2829.11	1753.33	1414.555	876.665
load	N_1800072498	constant_power_B	2829.11	1753.33	1414.555	876.665
load	N_1800072498	constant_power_C	2829.11	1753.33	1414.555	876.665
load	N_1800072498	constant_power_A_real	2829.11	0.0	1414.555	0.0
load	N_1800072498	constant_power_B_real	2829.11	0.0	1414.555	0.0
load	N_1800072498	constant_power_C_real	2829.11	0.0	1414.555	0.0
load	N_1800072498	constant_power_A_reac	1753.33	0.0	876.665	0.0
load	N_1800072498	constant_power_B_reac	1753.33	0.0	876.665	0.0
load	N_1800072498	constant_power_C_reac	1753.33	0.0	876.665	0.0
load	N_1800072499	constant_power_A	457.823	150.479	228.9115	75.2395
load	N_1800072499	constant_power_B	457.823	150.479	228.9115	75.2395
load	N_1800072499	constant_power_C	457.823	150.479	228.9115	75.2395
load	N_1800072499	constant_power_A_real	457.823	0.0	228.9115	0.0
load	N_1800072499	constant_power_B_real	457.823	0.0	228.9115	0.0
load	N_1800072499	constant_power_C_real	457.823	0.0	228.9115	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072499	constant_power_A_reac	150.479	0.0	75.2395	0.0
load	N_1800072499	constant_power_B_reac	150.479	0.0	75.2395	0.0
load	N_1800072499	constant_power_C_reac	150.479	0.0	75.2395	0.0
load	N_1800072494	constant_power_A	1197.38	393.561	598.69	196.7805
load	N_1800072494	constant_power_B	1197.38	393.561	598.69	196.7805
load	N_1800072494	constant_power_C	1197.38	393.561	598.69	196.7805
load	N_1800072494	constant_power_A_real	1197.38	0.0	598.69	0.0
load	N_1800072494	constant_power_B_real	1197.38	0.0	598.69	0.0
load	N_1800072494	constant_power_C_real	1197.38	0.0	598.69	0.0
load	N_1800072494	constant_power_A_reac	393.561	0.0	196.7805	0.0
load	N_1800072494	constant_power_B_reac	393.561	0.0	196.7805	0.0
load	N_1800072494	constant_power_C_reac	393.561	0.0	196.7805	0.0
load	N_1800038079	constant_power_A	3706.61	1218.3	1853.305	609.15
load	N_1800038079	constant_power_B	3706.61	1218.3	1853.305	609.15
load	N_1800038079	constant_power_A_real	3706.61	0.0	1853.305	0.0
load	N_1800038079	constant_power_B_real	3706.61	0.0	1853.305	0.0
load	N_1800038079	constant_power_A_reac	1218.3	0.0	609.15	0.0
load	N_1800038079	constant_power_B_reac	1218.3	0.0	609.15	0.0
load	N_1800072496	constant_power_A	102.717	33.7613	51.3585	16.88065
load	N_1800072496	constant_power_B	102.717	33.7613	51.3585	16.88065
load	N_1800072496	constant_power_C	102.717	33.7613	51.3585	16.88065
load	N_1800072496	constant_power_A_real	102.717	0.0	51.3585	0.0
load	N_1800072496	constant_power_B_real	102.717	0.0	51.3585	0.0
load	N_1800072496	constant_power_C_real	102.717	0.0	51.3585	0.0
load	N_1800072496	constant_power_A_reac	33.7613	0.0	16.88065	0.0
load	N_1800072496	constant_power_B_reac	33.7613	0.0	16.88065	0.0
load	N_1800072496	constant_power_C_reac	33.7613	0.0	16.88065	0.0
load	N_1800072497	constant_power_A	939.124	308.675	469.562	154.3375
load	N_1800072497	constant_power_B	939.124	308.675	469.562	154.3375
load	N_1800072497	constant_power_C	939.124	308.675	469.562	154.3375
load	N_1800072497	constant_power_A_real	939.124	0.0	469.562	0.0
load	N_1800072497	constant_power_B_real	939.124	0.0	469.562	0.0
load	N_1800072497	constant_power_C_real	939.124	0.0	469.562	0.0
load	N_1800072497	constant_power_A_reac	308.675	0.0	154.3375	0.0
load	N_1800072497	constant_power_B_reac	308.675	0.0	154.3375	0.0
load	N_1800072497	constant_power_C_reac	308.675	0.0	154.3375	0.0
load	N_1800072493	constant_power_A	457.823	150.479	228.9115	75.2395
load	N_1800072493	constant_power_B	457.823	150.479	228.9115	75.2395
load	N_1800072493	constant_power_C	457.823	150.479	228.9115	75.2395
load	N_1800072493	constant_power_A_real	457.823	0.0	228.9115	0.0
load	N_1800072493	constant_power_B_real	457.823	0.0	228.9115	0.0
load	N_1800072493	constant_power_C_real	457.823	0.0	228.9115	0.0
load	N_1800072493	constant_power_A_reac	150.479	0.0	75.2395	0.0
load	N_1800072493	constant_power_B_reac	150.479	0.0	75.2395	0.0
load	N_1800072493	constant_power_C_reac	150.479	0.0	75.2395	0.0
load	N_1800035335	constant_power_A	48.424	30.0105	24.212	15.00525
load	N_1800035335	constant_power_B	48.424	30.0105	24.212	15.00525
load	N_1800035335	constant_power_A_real	48.424	0.0	24.212	0.0
load	N_1800035335	constant_power_B_real	48.424	0.0	24.212	0.0
load	N_1800035335	constant_power_A_reac	30.0105	0.0	15.00525	0.0
load	N_1800035335	constant_power_B_reac	30.0105	0.0	15.00525	0.0
load	N_1800200768	constant_power_A	15331.2	9501.43	7665.6	4750.715
load	N_1800200768	constant_power_B	15331.2	9501.43	7665.6	4750.715
load	N_1800200768	constant_power_C	15331.2	9501.43	7665.6	4750.715
load	N_1800200768	constant_power_A_real	15331.2	0.0	7665.6	0.0
load	N_1800200768	constant_power_B_real	15331.2	0.0	7665.6	0.0
load	N_1800200768	constant_power_C_real	15331.2	0.0	7665.6	0.0
load	N_1800200768	constant_power_A_reac	9501.43	0.0	4750.715	0.0
load	N_1800200768	constant_power_B_reac	9501.43	0.0	4750.715	0.0
load	N_1800200768	constant_power_C_reac	9501.43	0.0	4750.715	0.0
load	N_1800070388	constant_power_A	2914.22	957.858	1457.11	478.929
load	N_1800070388	constant_power_B	2914.22	957.858	1457.11	478.929
load	N_1800070388	constant_power_A_real	2914.22	0.0	1457.11	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070388	constant_power_B_real	2914.22	0.0	1457.11	0.0
load	N_1800070388	constant_power_A_reac	957.858	0.0	478.929	0.0
load	N_1800070388	constant_power_B_reac	957.858	0.0	478.929	0.0
load	N_1800070437	constant_power_A	1012.49	332.791	506.245	166.3955
load	N_1800070437	constant_power_B	1012.49	332.791	506.245	166.3955
load	N_1800070437	constant_power_A_real	1012.49	0.0	506.245	0.0
load	N_1800070437	constant_power_B_real	1012.49	0.0	506.245	0.0
load	N_1800070437	constant_power_A_reac	332.791	0.0	166.3955	0.0
load	N_1800070437	constant_power_B_reac	332.791	0.0	166.3955	0.0
load	N_1800068368	constant_power_A	592.822	194.851	296.411	97.4255
load	N_1800068368	constant_power_B	592.822	194.851	296.411	97.4255
load	N_1800068368	constant_power_C	592.822	194.851	296.411	97.4255
load	N_1800068368	constant_power_A_real	592.822	0.0	296.411	0.0
load	N_1800068368	constant_power_B_real	592.822	0.0	296.411	0.0
load	N_1800068368	constant_power_C_real	592.822	0.0	296.411	0.0
load	N_1800068368	constant_power_A_reac	194.851	0.0	97.4255	0.0
load	N_1800068368	constant_power_B_reac	194.851	0.0	97.4255	0.0
load	N_1800068368	constant_power_C_reac	194.851	0.0	97.4255	0.0
load	N_1800070432	constant_power_A	1628.79	535.359	814.395	267.6795
load	N_1800070432	constant_power_B	1628.79	535.359	814.395	267.6795
load	N_1800070432	constant_power_C	1628.79	535.359	814.395	267.6795
load	N_1800070432	constant_power_A_real	1628.79	0.0	814.395	0.0
load	N_1800070432	constant_power_B_real	1628.79	0.0	814.395	0.0
load	N_1800070432	constant_power_C_real	1628.79	0.0	814.395	0.0
load	N_1800070432	constant_power_A_reac	535.359	0.0	267.6795	0.0
load	N_1800070432	constant_power_B_reac	535.359	0.0	267.6795	0.0
load	N_1800070432	constant_power_C_reac	535.359	0.0	267.6795	0.0
load	N_1800070382	constant_power_A	3389.65	1114.12	1694.825	557.06
load	N_1800070382	constant_power_B	3389.65	1114.12	1694.825	557.06
load	N_1800070382	constant_power_A_real	3389.65	0.0	1694.825	0.0
load	N_1800070382	constant_power_B_real	3389.65	0.0	1694.825	0.0
load	N_1800070382	constant_power_A_reac	1114.12	0.0	557.06	0.0
load	N_1800070382	constant_power_B_reac	1114.12	0.0	557.06	0.0
load	N_1800069977	constant_power_A	672.061	220.896	336.0305	110.448
load	N_1800069977	constant_power_B	672.061	220.896	336.0305	110.448
load	N_1800069977	constant_power_C	672.061	220.896	336.0305	110.448
load	N_1800069977	constant_power_A_real	672.061	0.0	336.0305	0.0
load	N_1800069977	constant_power_B_real	672.061	0.0	336.0305	0.0
load	N_1800069977	constant_power_C_real	672.061	0.0	336.0305	0.0
load	N_1800069977	constant_power_A_reac	220.896	0.0	110.448	0.0
load	N_1800069977	constant_power_B_reac	220.896	0.0	110.448	0.0
load	N_1800069977	constant_power_C_reac	220.896	0.0	110.448	0.0
load	N_1800070380	constant_power_A	1411.62	622.003	705.81	311.0015
load	N_1800070380	constant_power_B	1411.62	622.003	705.81	311.0015
load	N_1800070380	constant_power_C	1411.62	622.003	705.81	311.0015
load	N_1800070380	constant_power_A_real	1411.62	0.0	705.81	0.0
load	N_1800070380	constant_power_B_real	1411.62	0.0	705.81	0.0
load	N_1800070380	constant_power_C_real	1411.62	0.0	705.81	0.0
load	N_1800070380	constant_power_A_reac	622.003	0.0	311.0015	0.0
load	N_1800070380	constant_power_B_reac	622.003	0.0	311.0015	0.0
load	N_1800070380	constant_power_C_reac	622.003	0.0	311.0015	0.0
load	N_1800068361	constant_power_A	1743.25	572.979	871.625	286.4895
load	N_1800068361	constant_power_B	1743.25	572.979	871.625	286.4895
load	N_1800068361	constant_power_A_real	1743.25	0.0	871.625	0.0
load	N_1800068361	constant_power_B_real	1743.25	0.0	871.625	0.0
load	N_1800068361	constant_power_A_reac	572.979	0.0	286.4895	0.0
load	N_1800068361	constant_power_B_reac	572.979	0.0	286.4895	0.0
load	N_1800070439	constant_power_A	3025.74	1875.19	1512.87	937.595
load	N_1800070439	constant_power_B	3025.74	1875.19	1512.87	937.595
load	N_1800070439	constant_power_C	3025.74	1875.19	1512.87	937.595
load	N_1800070439	constant_power_A_real	3025.74	0.0	1512.87	0.0
load	N_1800070439	constant_power_B_real	3025.74	0.0	1512.87	0.0
load	N_1800070439	constant_power_C_real	3025.74	0.0	1512.87	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070439	constant_power_A_reac	1875.19	0.0	937.595	0.0
load	N_1800070439	constant_power_B_reac	1875.19	0.0	937.595	0.0
load	N_1800070439	constant_power_C_reac	1875.19	0.0	937.595	0.0
load	N_1800070384	constant_power_A	1866.51	613.492	933.255	306.746
load	N_1800070384	constant_power_B	1866.51	613.492	933.255	306.746
load	N_1800070384	constant_power_A_real	1866.51	0.0	933.255	0.0
load	N_1800070384	constant_power_B_real	1866.51	0.0	933.255	0.0
load	N_1800070384	constant_power_A_reac	613.492	0.0	306.746	0.0
load	N_1800070384	constant_power_B_reac	613.492	0.0	306.746	0.0
load	N_1800068362	constant_power_A	2658.9	950.814	1329.45	475.407
load	N_1800068362	constant_power_B	2658.9	950.814	1329.45	475.407
load	N_1800068362	constant_power_A_real	2658.9	0.0	1329.45	0.0
load	N_1800068362	constant_power_B_real	2658.9	0.0	1329.45	0.0
load	N_1800068362	constant_power_A_reac	950.814	0.0	475.407	0.0
load	N_1800068362	constant_power_B_reac	950.814	0.0	475.407	0.0
load	N_1800026531	constant_power_A	663.257	218.002	331.6285	109.001
load	N_1800026531	constant_power_B	663.257	218.002	331.6285	109.001
load	N_1800026531	constant_power_C	663.257	218.002	331.6285	109.001
load	N_1800026531	constant_power_A_real	663.257	0.0	331.6285	0.0
load	N_1800026531	constant_power_B_real	663.257	0.0	331.6285	0.0
load	N_1800026531	constant_power_C_real	663.257	0.0	331.6285	0.0
load	N_1800026531	constant_power_A_reac	218.002	0.0	109.001	0.0
load	N_1800026531	constant_power_B_reac	218.002	0.0	109.001	0.0
load	N_1800026531	constant_power_C_reac	218.002	0.0	109.001	0.0
load	N_1800079869	constant_power_A	8003.1	4850.54	4001.55	2425.27
load	N_1800079869	constant_power_B	8003.1	4850.54	4001.55	2425.27
load	N_1800079869	constant_power_C	8003.1	4850.54	4001.55	2425.27
load	N_1800079869	constant_power_A_real	8003.1	0.0	4001.55	0.0
load	N_1800079869	constant_power_B_real	8003.1	0.0	4001.55	0.0
load	N_1800079869	constant_power_C_real	8003.1	0.0	4001.55	0.0
load	N_1800079869	constant_power_A_reac	4850.54	0.0	2425.27	0.0
load	N_1800079869	constant_power_B_reac	4850.54	0.0	2425.27	0.0
load	N_1800079869	constant_power_C_reac	4850.54	0.0	2425.27	0.0
load	N_1800069565	constant_power_A	2183.46	1353.19	1091.73	676.595
load	N_1800069565	constant_power_B	2183.46	1353.19	1091.73	676.595
load	N_1800069565	constant_power_C	2183.46	1353.19	1091.73	676.595
load	N_1800069565	constant_power_A_real	2183.46	0.0	1091.73	0.0
load	N_1800069565	constant_power_B_real	2183.46	0.0	1091.73	0.0
load	N_1800069565	constant_power_C_real	2183.46	0.0	1091.73	0.0
load	N_1800069565	constant_power_A_reac	1353.19	0.0	676.595	0.0
load	N_1800069565	constant_power_B_reac	1353.19	0.0	676.595	0.0
load	N_1800069565	constant_power_C_reac	1353.19	0.0	676.595	0.0
load	N_1800024726	constant_power_A	3900.3	1281.97	1950.15	640.985
load	N_1800024726	constant_power_B	3900.3	1281.97	1950.15	640.985
load	N_1800024726	constant_power_A_real	3900.3	0.0	1950.15	0.0
load	N_1800024726	constant_power_B_real	3900.3	0.0	1950.15	0.0
load	N_1800024726	constant_power_A_reac	1281.97	0.0	640.985	0.0
load	N_1800024726	constant_power_B_reac	1281.97	0.0	640.985	0.0
load	N_1800188430	constant_power_A	4768.99	2955.56	2384.495	1477.78
load	N_1800188430	constant_power_B	4768.99	2955.56	2384.495	1477.78
load	N_1800188430	constant_power_C	4768.99	2955.56	2384.495	1477.78
load	N_1800188430	constant_power_A_real	4768.99	0.0	2384.495	0.0
load	N_1800188430	constant_power_B_real	4768.99	0.0	2384.495	0.0
load	N_1800188430	constant_power_C_real	4768.99	0.0	2384.495	0.0
load	N_1800188430	constant_power_A_reac	2955.56	0.0	1477.78	0.0
load	N_1800188430	constant_power_B_reac	2955.56	0.0	1477.78	0.0
load	N_1800188430	constant_power_C_reac	2955.56	0.0	1477.78	0.0
load	N_1800073636	constant_power_A	1490.86	490.022	745.43	245.011
load	N_1800073636	constant_power_B	1490.86	490.022	745.43	245.011
load	N_1800073636	constant_power_C	1490.86	490.022	745.43	245.011
load	N_1800073636	constant_power_A_real	1490.86	0.0	745.43	0.0
load	N_1800073636	constant_power_B_real	1490.86	0.0	745.43	0.0
load	N_1800073636	constant_power_C_real	1490.86	0.0	745.43	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073636	constant_power_A_reac	490.022	0.0	245.011	0.0
load	N_1800073636	constant_power_B_reac	490.022	0.0	245.011	0.0
load	N_1800073636	constant_power_C_reac	490.022	0.0	245.011	0.0
load	N_1800069568	constant_power_A	44.021	14.469	22.0105	7.2345
load	N_1800069568	constant_power_B	44.021	14.469	22.0105	7.2345
load	N_1800069568	constant_power_A_real	44.021	0.0	22.0105	0.0
load	N_1800069568	constant_power_B_real	44.021	0.0	22.0105	0.0
load	N_1800069568	constant_power_A_reac	14.469	0.0	7.2345	0.0
load	N_1800069568	constant_power_B_reac	14.469	0.0	7.2345	0.0
load	N_1800068909	constant_power_A	1708.03	561.403	854.015	280.7015
load	N_1800068909	constant_power_C	1708.03	561.403	854.015	280.7015
load	N_1800068909	constant_power_A_real	1708.03	0.0	854.015	0.0
load	N_1800068909	constant_power_C_real	1708.03	0.0	854.015	0.0
load	N_1800068909	constant_power_A_reac	561.403	0.0	280.7015	0.0
load	N_1800068909	constant_power_C_reac	561.403	0.0	280.7015	0.0
load	N_1800009247	constant_power_A	1185.64	389.703	592.82	194.8515
load	N_1800009247	constant_power_B	1185.64	389.703	592.82	194.8515
load	N_1800009247	constant_power_C	1185.64	389.703	592.82	194.8515
load	N_1800009247	constant_power_A_real	1185.64	0.0	592.82	0.0
load	N_1800009247	constant_power_B_real	1185.64	0.0	592.82	0.0
load	N_1800009247	constant_power_C_real	1185.64	0.0	592.82	0.0
load	N_1800009247	constant_power_A_reac	389.703	0.0	194.8515	0.0
load	N_1800009247	constant_power_B_reac	389.703	0.0	194.8515	0.0
load	N_1800009247	constant_power_C_reac	389.703	0.0	194.8515	0.0
load	N_1800069788	constant_power_A	1245.81	409.477	622.905	204.7385
load	N_1800069788	constant_power_B	1245.81	409.477	622.905	204.7385
load	N_1800069788	constant_power_A_real	1245.81	0.0	622.905	0.0
load	N_1800069788	constant_power_B_real	1245.81	0.0	622.905	0.0
load	N_1800069788	constant_power_A_reac	409.477	0.0	204.7385	0.0
load	N_1800069788	constant_power_B_reac	409.477	0.0	204.7385	0.0
load	N_1800068962	constant_power_A	1518.74	499.186	759.37	249.593
load	N_1800068962	constant_power_B	1518.74	499.186	759.37	249.593
load	N_1800068962	constant_power_A_real	1518.74	0.0	759.37	0.0
load	N_1800068962	constant_power_B_real	1518.74	0.0	759.37	0.0
load	N_1800068962	constant_power_A_reac	499.186	0.0	249.593	0.0
load	N_1800068962	constant_power_B_reac	499.186	0.0	249.593	0.0
load	N_1800068960	constant_power_A	3204.76	1053.35	1602.38	526.675
load	N_1800068960	constant_power_B	3204.76	1053.35	1602.38	526.675
load	N_1800068960	constant_power_A_real	3204.76	0.0	1602.38	0.0
load	N_1800068960	constant_power_B_real	3204.76	0.0	1602.38	0.0
load	N_1800068960	constant_power_A_reac	1053.35	0.0	526.675	0.0
load	N_1800068960	constant_power_B_reac	1053.35	0.0	526.675	0.0
load	N_1800071251	constant_power_A	5749.2	2894.2	2874.6	1447.1
load	N_1800071251	constant_power_B	5749.2	2894.2	2874.6	1447.1
load	N_1800071251	constant_power_A_real	5749.2	0.0	2874.6	0.0
load	N_1800071251	constant_power_B_real	5749.2	0.0	2874.6	0.0
load	N_1800071251	constant_power_A_reac	2894.2	0.0	1447.1	0.0
load	N_1800071251	constant_power_B_reac	2894.2	0.0	1447.1	0.0
load	N_1800071250	constant_power_A	444.617	146.139	222.3085	73.0695
load	N_1800071250	constant_power_B	444.617	146.139	222.3085	73.0695
load	N_1800071250	constant_power_A_real	444.617	0.0	222.3085	0.0
load	N_1800071250	constant_power_B_real	444.617	0.0	222.3085	0.0
load	N_1800071250	constant_power_A_reac	146.139	0.0	73.0695	0.0
load	N_1800071250	constant_power_B_reac	146.139	0.0	73.0695	0.0
load	N_1800071257	constant_power_A	1338.25	439.862	669.125	219.931
load	N_1800071257	constant_power_B	1338.25	439.862	669.125	219.931
load	N_1800071257	constant_power_A_real	1338.25	0.0	669.125	0.0
load	N_1800071257	constant_power_B_real	1338.25	0.0	669.125	0.0
load	N_1800071257	constant_power_A_reac	439.862	0.0	219.931	0.0
load	N_1800071257	constant_power_B_reac	439.862	0.0	219.931	0.0
load	N_1800071256	constant_power_A	1399.88	460.119	699.94	230.0595
load	N_1800071256	constant_power_B	1399.88	460.119	699.94	230.0595
load	N_1800071256	constant_power_A_real	1399.88	0.0	699.94	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071256	constant_power_B_real	1399.88	0.0	699.94	0.0
load	N_1800071256	constant_power_A_reac	460.119	0.0	230.0595	0.0
load	N_1800071256	constant_power_B_reac	460.119	0.0	230.0595	0.0
load	N_1800071255	constant_power_A	2901.01	953.517	1450.505	476.7585
load	N_1800071255	constant_power_B	2901.01	953.517	1450.505	476.7585
load	N_1800071255	constant_power_A_real	2901.01	0.0	1450.505	0.0
load	N_1800071255	constant_power_B_real	2901.01	0.0	1450.505	0.0
load	N_1800071255	constant_power_A_reac	953.517	0.0	476.7585	0.0
load	N_1800071255	constant_power_B_reac	953.517	0.0	476.7585	0.0
load	N_1800070651	constant_power_A	3006.67	1863.36	1503.335	931.68
load	N_1800070651	constant_power_B	3006.67	1863.36	1503.335	931.68
load	N_1800070651	constant_power_A_real	3006.67	0.0	1503.335	0.0
load	N_1800070651	constant_power_B_real	3006.67	0.0	1503.335	0.0
load	N_1800070651	constant_power_A_reac	1863.36	0.0	931.68	0.0
load	N_1800070651	constant_power_B_reac	1863.36	0.0	931.68	0.0
load	N_1800011744	constant_power_A	851.082	279.737	425.541	139.8685
load	N_1800011744	constant_power_B	851.082	279.737	425.541	139.8685
load	N_1800011744	constant_power_C	851.082	279.737	425.541	139.8685
load	N_1800011744	constant_power_A_real	851.082	0.0	425.541	0.0
load	N_1800011744	constant_power_B_real	851.082	0.0	425.541	0.0
load	N_1800011744	constant_power_C_real	851.082	0.0	425.541	0.0
load	N_1800011744	constant_power_A_reac	279.737	0.0	139.8685	0.0
load	N_1800011744	constant_power_B_reac	279.737	0.0	139.8685	0.0
load	N_1800011744	constant_power_C_reac	279.737	0.0	139.8685	0.0
load	N_1800011743	constant_power_A	660.322	409.231	330.161	204.6155
load	N_1800011743	constant_power_B	660.322	409.231	330.161	204.6155
load	N_1800011743	constant_power_C	660.322	409.231	330.161	204.6155
load	N_1800011743	constant_power_A_real	660.322	0.0	330.161	0.0
load	N_1800011743	constant_power_B_real	660.322	0.0	330.161	0.0
load	N_1800011743	constant_power_C_real	660.322	0.0	330.161	0.0
load	N_1800011743	constant_power_A_reac	409.231	0.0	204.6155	0.0
load	N_1800011743	constant_power_B_reac	409.231	0.0	204.6155	0.0
load	N_1800011743	constant_power_C_reac	409.231	0.0	204.6155	0.0
load	N_1800011742	constant_power_A	2221.62	1376.83	1110.81	688.415
load	N_1800011742	constant_power_B	2221.62	1376.83	1110.81	688.415
load	N_1800011742	constant_power_C	2221.62	1376.83	1110.81	688.415
load	N_1800011742	constant_power_A_real	2221.62	0.0	1110.81	0.0
load	N_1800011742	constant_power_B_real	2221.62	0.0	1110.81	0.0
load	N_1800011742	constant_power_C_real	2221.62	0.0	1110.81	0.0
load	N_1800011742	constant_power_A_reac	1376.83	0.0	688.415	0.0
load	N_1800011742	constant_power_B_reac	1376.83	0.0	688.415	0.0
load	N_1800011742	constant_power_C_reac	1376.83	0.0	688.415	0.0
load	N_1800067540	constant_power_A	906.842	298.065	453.421	149.0325
load	N_1800067540	constant_power_B	906.842	298.065	453.421	149.0325
load	N_1800067540	constant_power_A_real	906.842	0.0	453.421	0.0
load	N_1800067540	constant_power_B_real	906.842	0.0	453.421	0.0
load	N_1800067540	constant_power_A_reac	298.065	0.0	149.0325	0.0
load	N_1800067540	constant_power_B_reac	298.065	0.0	149.0325	0.0
load	N_1800071093	constant_power_A	1553.96	523.574	776.98	261.787
load	N_1800071093	constant_power_B	1553.96	523.574	776.98	261.787
load	N_1800071093	constant_power_A_real	1553.96	0.0	776.98	0.0
load	N_1800071093	constant_power_B_real	1553.96	0.0	776.98	0.0
load	N_1800071093	constant_power_A_reac	523.574	0.0	261.787	0.0
load	N_1800071093	constant_power_B_reac	523.574	0.0	261.787	0.0
load	N_1800082069	constant_power_A	16387.7	10156.2	8193.85	5078.1
load	N_1800082069	constant_power_B	16387.7	10156.2	8193.85	5078.1
load	N_1800082069	constant_power_C	16387.7	10156.2	8193.85	5078.1
load	N_1800082069	constant_power_A_real	16387.7	0.0	8193.85	0.0
load	N_1800082069	constant_power_B_real	16387.7	0.0	8193.85	0.0
load	N_1800082069	constant_power_C_real	16387.7	0.0	8193.85	0.0
load	N_1800082069	constant_power_A_reac	10156.2	0.0	5078.1	0.0
load	N_1800082069	constant_power_B_reac	10156.2	0.0	5078.1	0.0
load	N_1800082069	constant_power_C_reac	10156.2	0.0	5078.1	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800068095	constant_power_A	717.55	235.847	358.775	117.9235
load	N_1800068095	constant_power_B	717.55	235.847	358.775	117.9235
load	N_1800068095	constant_power_A_real	717.55	0.0	358.775	0.0
load	N_1800068095	constant_power_B_real	717.55	0.0	358.775	0.0
load	N_1800068095	constant_power_A_reac	235.847	0.0	117.9235	0.0
load	N_1800068095	constant_power_B_reac	235.847	0.0	117.9235	0.0
load	N_1800068094	constant_power_A	67.4997	22.1861	33.74985	11.09305
load	N_1800068094	constant_power_B	67.4997	22.1861	33.74985	11.09305
load	N_1800068094	constant_power_C	67.4997	22.1861	33.74985	11.09305
load	N_1800068094	constant_power_A_real	67.4997	0.0	33.74985	0.0
load	N_1800068094	constant_power_B_real	67.4997	0.0	33.74985	0.0
load	N_1800068094	constant_power_C_real	67.4997	0.0	33.74985	0.0
load	N_1800068094	constant_power_A_reac	22.1861	0.0	11.09305	0.0
load	N_1800068094	constant_power_B_reac	22.1861	0.0	11.09305	0.0
load	N_1800068094	constant_power_C_reac	22.1861	0.0	11.09305	0.0
load	N_1800068568	constant_power_A	2702.92	888.406	1351.46	444.203
load	N_1800068568	constant_power_B	2702.92	888.406	1351.46	444.203
load	N_1800068568	constant_power_A_real	2702.92	0.0	1351.46	0.0
load	N_1800068568	constant_power_B_real	2702.92	0.0	1351.46	0.0
load	N_1800068568	constant_power_A_reac	888.406	0.0	444.203	0.0
load	N_1800068568	constant_power_B_reac	888.406	0.0	444.203	0.0
load	N_1800035456	constant_power_A	24440.7	8033.27	12220.35	4016.635
load	N_1800035456	constant_power_A_real	24440.7	0.0	12220.35	0.0
load	N_1800035456	constant_power_A_reac	8033.27	0.0	4016.635	0.0
load	N_1800068563	constant_power_A	2832.05	930.849	1416.025	465.4245
load	N_1800068563	constant_power_B	2832.05	930.849	1416.025	465.4245
load	N_1800068563	constant_power_C	2832.05	930.849	1416.025	465.4245
load	N_1800068563	constant_power_A_real	2832.05	0.0	1416.025	0.0
load	N_1800068563	constant_power_B_real	2832.05	0.0	1416.025	0.0
load	N_1800068563	constant_power_C_real	2832.05	0.0	1416.025	0.0
load	N_1800068563	constant_power_A_reac	930.849	0.0	465.4245	0.0
load	N_1800068563	constant_power_B_reac	930.849	0.0	465.4245	0.0
load	N_1800068563	constant_power_C_reac	930.849	0.0	465.4245	0.0
load	N_1800068564	constant_power_A	1041.84	645.675	520.92	322.8375
load	N_1800068564	constant_power_B	1041.84	645.675	520.92	322.8375
load	N_1800068564	constant_power_C	1041.84	645.675	520.92	322.8375
load	N_1800068564	constant_power_A_real	1041.84	0.0	520.92	0.0
load	N_1800068564	constant_power_B_real	1041.84	0.0	520.92	0.0
load	N_1800068564	constant_power_C_real	1041.84	0.0	520.92	0.0
load	N_1800068564	constant_power_A_reac	645.675	0.0	322.8375	0.0
load	N_1800068564	constant_power_B_reac	645.675	0.0	322.8375	0.0
load	N_1800068564	constant_power_C_reac	645.675	0.0	322.8375	0.0
load	N_1800070626	constant_power_A	4199.65	1380.36	2099.825	690.18
load	N_1800070626	constant_power_B	4199.65	1380.36	2099.825	690.18
load	N_1800070626	constant_power_A_real	4199.65	0.0	2099.825	0.0
load	N_1800070626	constant_power_B_real	4199.65	0.0	2099.825	0.0
load	N_1800070626	constant_power_A_reac	1380.36	0.0	690.18	0.0
load	N_1800070626	constant_power_B_reac	1380.36	0.0	690.18	0.0
load	N_1800044486	constant_power_A	2161.45	1125.57	1080.725	562.785
load	N_1800044486	constant_power_B	2161.45	1125.57	1080.725	562.785
load	N_1800044486	constant_power_A_real	2161.45	0.0	1080.725	0.0
load	N_1800044486	constant_power_B_real	2161.45	0.0	1080.725	0.0
load	N_1800044486	constant_power_A_reac	1125.57	0.0	562.785	0.0
load	N_1800044486	constant_power_B_reac	1125.57	0.0	562.785	0.0
load	N_1800073523	constant_power_A	2456.4	807.379	1228.2	403.6895
load	N_1800073523	constant_power_B	2456.4	807.379	1228.2	403.6895
load	N_1800073523	constant_power_A_real	2456.4	0.0	1228.2	0.0
load	N_1800073523	constant_power_B_real	2456.4	0.0	1228.2	0.0
load	N_1800073523	constant_power_A_reac	807.379	0.0	403.6895	0.0
load	N_1800073523	constant_power_B_reac	807.379	0.0	403.6895	0.0
load	N_1800071410	constant_power_A	49.891	30.9197	24.9455	15.45985
load	N_1800071410	constant_power_B	49.891	30.9197	24.9455	15.45985
load	N_1800071410	constant_power_C	49.891	30.9197	24.9455	15.45985

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071410	constant_power_A_real	49.891	0.0	24.9455	0.0
load	N_1800071410	constant_power_B_real	49.891	0.0	24.9455	0.0
load	N_1800071410	constant_power_C_real	49.891	0.0	24.9455	0.0
load	N_1800071410	constant_power_A_reac	30.9197	0.0	15.45985	0.0
load	N_1800071410	constant_power_B_reac	30.9197	0.0	15.45985	0.0
load	N_1800071410	constant_power_C_reac	30.9197	0.0	15.45985	0.0
load	N_1800019710	constant_power_A	946.461	311.087	473.2305	155.5435
load	N_1800019710	constant_power_B	946.461	311.087	473.2305	155.5435
load	N_1800019710	constant_power_A_real	946.461	0.0	473.2305	0.0
load	N_1800019710	constant_power_B_real	946.461	0.0	473.2305	0.0
load	N_1800019710	constant_power_A_reac	311.087	0.0	155.5435	0.0
load	N_1800019710	constant_power_B_reac	311.087	0.0	155.5435	0.0
load	N_1800079045	constant_power_A	721.952	237.294	360.976	118.647
load	N_1800079045	constant_power_C	721.952	237.294	360.976	118.647
load	N_1800079045	constant_power_A_real	721.952	0.0	360.976	0.0
load	N_1800079045	constant_power_C_real	721.952	0.0	360.976	0.0
load	N_1800079045	constant_power_A_reac	237.294	0.0	118.647	0.0
load	N_1800079045	constant_power_C_reac	237.294	0.0	118.647	0.0
load	N_1800068897	constant_power_A	1619.99	532.465	809.995	266.2325
load	N_1800068897	constant_power_C	1619.99	532.465	809.995	266.2325
load	N_1800068897	constant_power_A_real	1619.99	0.0	809.995	0.0
load	N_1800068897	constant_power_C_real	1619.99	0.0	809.995	0.0
load	N_1800068897	constant_power_A_reac	532.465	0.0	266.2325	0.0
load	N_1800068897	constant_power_C_reac	532.465	0.0	266.2325	0.0
load	N_1800070000	constant_power_A	4714.7	1549.65	2357.35	774.825
load	N_1800070000	constant_power_B	4714.7	1549.65	2357.35	774.825
load	N_1800070000	constant_power_A_real	4714.7	0.0	2357.35	0.0
load	N_1800070000	constant_power_B_real	4714.7	0.0	2357.35	0.0
load	N_1800070000	constant_power_A_reac	1549.65	0.0	774.825	0.0
load	N_1800070000	constant_power_B_reac	1549.65	0.0	774.825	0.0
load	N_1800071385	constant_power_A	849.614	279.255	424.807	139.6275
load	N_1800071385	constant_power_B	849.614	279.255	424.807	139.6275
load	N_1800071385	constant_power_A_real	849.614	0.0	424.807	0.0
load	N_1800071385	constant_power_B_real	849.614	0.0	424.807	0.0
load	N_1800071385	constant_power_A_reac	279.255	0.0	139.6275	0.0
load	N_1800071385	constant_power_B_reac	279.255	0.0	139.6275	0.0
load	N_1800071384	constant_power_A	2179.06	716.223	1089.53	358.1115
load	N_1800071384	constant_power_B	2179.06	716.223	1089.53	358.1115
load	N_1800071384	constant_power_A_real	2179.06	0.0	1089.53	0.0
load	N_1800071384	constant_power_B_real	2179.06	0.0	1089.53	0.0
load	N_1800071384	constant_power_A_reac	716.223	0.0	358.1115	0.0
load	N_1800071384	constant_power_B_reac	716.223	0.0	358.1115	0.0
load	N_1800070147	constant_power_A	2214.28	727.798	1107.14	363.899
load	N_1800070147	constant_power_B	2214.28	727.798	1107.14	363.899
load	N_1800070147	constant_power_A_real	2214.28	0.0	1107.14	0.0
load	N_1800070147	constant_power_B_real	2214.28	0.0	1107.14	0.0
load	N_1800070147	constant_power_A_reac	727.798	0.0	363.899	0.0
load	N_1800070147	constant_power_B_reac	727.798	0.0	363.899	0.0
load	N_1800041030	constant_power_A	1435.1	471.695	717.55	235.8475
load	N_1800041030	constant_power_B	1435.1	471.695	717.55	235.8475
load	N_1800041030	constant_power_A_real	1435.1	0.0	717.55	0.0
load	N_1800041030	constant_power_B_real	1435.1	0.0	717.55	0.0
load	N_1800041030	constant_power_A_reac	471.695	0.0	235.8475	0.0
load	N_1800041030	constant_power_B_reac	471.695	0.0	235.8475	0.0
load	N_1800070140	constant_power_A	968.472	600.205	484.236	300.1025
load	N_1800070140	constant_power_B	968.472	600.205	484.236	300.1025
load	N_1800070140	constant_power_C	968.472	600.205	484.236	300.1025
load	N_1800070140	constant_power_A_real	968.472	0.0	484.236	0.0
load	N_1800070140	constant_power_B_real	968.472	0.0	484.236	0.0
load	N_1800070140	constant_power_C_real	968.472	0.0	484.236	0.0
load	N_1800070140	constant_power_A_reac	600.205	0.0	300.1025	0.0
load	N_1800070140	constant_power_B_reac	600.205	0.0	300.1025	0.0
load	N_1800070140	constant_power_C_reac	600.205	0.0	300.1025	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800071388	constant_power_A	770.376	253.21	385.188	126.605
load	N_1800071388	constant_power_B	770.376	253.21	385.188	126.605
load	N_1800071388	constant_power_A_real	770.376	0.0	385.188	0.0
load	N_1800071388	constant_power_B_real	770.376	0.0	385.188	0.0
load	N_1800071388	constant_power_A_reac	253.21	0.0	126.605	0.0
load	N_1800071388	constant_power_B_reac	253.21	0.0	126.605	0.0
load	N_1800068414	constant_power_A	3156.34	1037.44	1578.17	518.72
load	N_1800068414	constant_power_B	3156.34	1037.44	1578.17	518.72
load	N_1800068414	constant_power_A_real	3156.34	0.0	1578.17	0.0
load	N_1800068414	constant_power_B_real	3156.34	0.0	1578.17	0.0
load	N_1800068414	constant_power_A_reac	1037.44	0.0	518.72	0.0
load	N_1800068414	constant_power_B_reac	1037.44	0.0	518.72	0.0
load	N_1800069418	constant_power_A	1241.4	769.354	620.7	384.677
load	N_1800069418	constant_power_C	1241.4	769.354	620.7	384.677
load	N_1800069418	constant_power_A_real	1241.4	0.0	620.7	0.0
load	N_1800069418	constant_power_C_real	1241.4	0.0	620.7	0.0
load	N_1800069418	constant_power_A_reac	769.354	0.0	384.677	0.0
load	N_1800069418	constant_power_C_reac	769.354	0.0	384.677	0.0
load	N_1800071329	constant_power_A	5.86967	3.63769	2.934835	1.818845
load	N_1800071329	constant_power_B	5.86967	3.63769	2.934835	1.818845
load	N_1800071329	constant_power_C	5.86967	3.63769	2.934835	1.818845
load	N_1800071329	constant_power_A_real	5.86967	0.0	2.934835	0.0
load	N_1800071329	constant_power_B_real	5.86967	0.0	2.934835	0.0
load	N_1800071329	constant_power_C_real	5.86967	0.0	2.934835	0.0
load	N_1800071329	constant_power_A_reac	3.63769	0.0	1.818845	0.0
load	N_1800071329	constant_power_B_reac	3.63769	0.0	1.818845	0.0
load	N_1800071329	constant_power_C_reac	3.63769	0.0	1.818845	0.0
load	N_1800069414	constant_power_A	1131.35	371.857	565.675	185.9285
load	N_1800069414	constant_power_C	1131.35	371.857	565.675	185.9285
load	N_1800069414	constant_power_A_real	1131.35	0.0	565.675	0.0
load	N_1800069414	constant_power_C_real	1131.35	0.0	565.675	0.0
load	N_1800069414	constant_power_A_reac	371.857	0.0	185.9285	0.0
load	N_1800069414	constant_power_C_reac	371.857	0.0	185.9285	0.0
load	N_1800069415	constant_power_A	457.823	150.479	228.9115	75.2395
load	N_1800069415	constant_power_C	457.823	150.479	228.9115	75.2395
load	N_1800069415	constant_power_A_real	457.823	0.0	228.9115	0.0
load	N_1800069415	constant_power_C_real	457.823	0.0	228.9115	0.0
load	N_1800069415	constant_power_A_reac	150.479	0.0	75.2395	0.0
load	N_1800069415	constant_power_C_reac	150.479	0.0	75.2395	0.0
load	N_1800069416	constant_power_A	1597.98	525.23	798.99	262.615
load	N_1800069416	constant_power_C	1597.98	525.23	798.99	262.615
load	N_1800069416	constant_power_A_real	1597.98	0.0	798.99	0.0
load	N_1800069416	constant_power_C_real	1597.98	0.0	798.99	0.0
load	N_1800069416	constant_power_A_reac	525.23	0.0	262.615	0.0
load	N_1800069416	constant_power_C_reac	525.23	0.0	262.615	0.0
load	N_1800069417	constant_power_A	1131.35	371.857	565.675	185.9285
load	N_1800069417	constant_power_C	1131.35	371.857	565.675	185.9285
load	N_1800069417	constant_power_A_real	1131.35	0.0	565.675	0.0
load	N_1800069417	constant_power_C_real	1131.35	0.0	565.675	0.0
load	N_1800069417	constant_power_A_reac	371.857	0.0	185.9285	0.0
load	N_1800069417	constant_power_C_reac	371.857	0.0	185.9285	0.0
load	N_1800069943	constant_power_A	3768.24	2335.34	1884.12	1167.67
load	N_1800069943	constant_power_B	3768.24	2335.34	1884.12	1167.67
load	N_1800069943	constant_power_A_real	3768.24	0.0	1884.12	0.0
load	N_1800069943	constant_power_B_real	3768.24	0.0	1884.12	0.0
load	N_1800069943	constant_power_A_reac	2335.34	0.0	1167.67	0.0
load	N_1800069943	constant_power_B_reac	2335.34	0.0	1167.67	0.0
load	N_1800069941	constant_power_A	6427.13	3983.18	3213.565	1991.59
load	N_1800069941	constant_power_B	6427.13	3983.18	3213.565	1991.59
load	N_1800069941	constant_power_C	6427.13	3983.18	3213.565	1991.59
load	N_1800069941	constant_power_A_real	6427.13	0.0	3213.565	0.0
load	N_1800069941	constant_power_B_real	6427.13	0.0	3213.565	0.0
load	N_1800069941	constant_power_C_real	6427.13	0.0	3213.565	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069941	constant_power_A_reac	3983.18	0.0	1991.59	0.0
load	N_1800069941	constant_power_B_reac	3983.18	0.0	1991.59	0.0
load	N_1800069941	constant_power_C_reac	3983.18	0.0	1991.59	0.0
load	N_1800021019	constant_power_A	5608.33	1843.37	2804.165	921.685
load	N_1800021019	constant_power_A_real	5608.33	0.0	2804.165	0.0
load	N_1800021019	constant_power_A_reac	1843.37	0.0	921.685	0.0
load	N_1800008590	constant_power_A	269.998	88.7442	134.999	44.3721
load	N_1800008590	constant_power_B	269.998	88.7442	134.999	44.3721
load	N_1800008590	constant_power_C	269.998	88.7442	134.999	44.3721
load	N_1800008590	constant_power_A_real	269.998	0.0	134.999	0.0
load	N_1800008590	constant_power_B_real	269.998	0.0	134.999	0.0
load	N_1800008590	constant_power_C_real	269.998	0.0	134.999	0.0
load	N_1800008590	constant_power_A_reac	88.7442	0.0	44.3721	0.0
load	N_1800008590	constant_power_B_reac	88.7442	0.0	44.3721	0.0
load	N_1800008590	constant_power_C_reac	88.7442	0.0	44.3721	0.0
load	N_1800067527	constant_power_A	622.17	204.497	311.085	102.2485
load	N_1800067527	constant_power_B	622.17	204.497	311.085	102.2485
load	N_1800067527	constant_power_C	622.17	204.497	311.085	102.2485
load	N_1800067527	constant_power_A_real	622.17	0.0	311.085	0.0
load	N_1800067527	constant_power_B_real	622.17	0.0	311.085	0.0
load	N_1800067527	constant_power_C_real	622.17	0.0	311.085	0.0
load	N_1800067527	constant_power_A_reac	204.497	0.0	102.2485	0.0
load	N_1800067527	constant_power_B_reac	204.497	0.0	102.2485	0.0
load	N_1800067527	constant_power_C_reac	204.497	0.0	102.2485	0.0
load	N_1800008593	constant_power_A	249.455	81.9919	124.7275	40.99595
load	N_1800008593	constant_power_B	249.455	81.9919	124.7275	40.99595
load	N_1800008593	constant_power_C	249.455	81.9919	124.7275	40.99595
load	N_1800008593	constant_power_A_real	249.455	0.0	124.7275	0.0
load	N_1800008593	constant_power_B_real	249.455	0.0	124.7275	0.0
load	N_1800008593	constant_power_C_real	249.455	0.0	124.7275	0.0
load	N_1800008593	constant_power_A_reac	81.9919	0.0	40.99595	0.0
load	N_1800008593	constant_power_B_reac	81.9919	0.0	40.99595	0.0
load	N_1800008593	constant_power_C_reac	81.9919	0.0	40.99595	0.0
load	N_1800068908	constant_power_A	114.456	37.6199	57.228	18.80995
load	N_1800068908	constant_power_B	114.456	37.6199	57.228	18.80995
load	N_1800068908	constant_power_A_real	114.456	0.0	57.228	0.0
load	N_1800068908	constant_power_B_real	114.456	0.0	57.228	0.0
load	N_1800068908	constant_power_A_reac	37.6199	0.0	18.80995	0.0
load	N_1800068908	constant_power_B_reac	37.6199	0.0	18.80995	0.0
load	N_1800008595	constant_power_A	1223.8	402.243	611.9	201.1215
load	N_1800008595	constant_power_B	1223.8	402.243	611.9	201.1215
load	N_1800008595	constant_power_C	1223.8	402.243	611.9	201.1215
load	N_1800008595	constant_power_A_real	1223.8	0.0	611.9	0.0
load	N_1800008595	constant_power_B_real	1223.8	0.0	611.9	0.0
load	N_1800008595	constant_power_C_real	1223.8	0.0	611.9	0.0
load	N_1800008595	constant_power_A_reac	402.243	0.0	201.1215	0.0
load	N_1800008595	constant_power_B_reac	402.243	0.0	201.1215	0.0
load	N_1800008595	constant_power_C_reac	402.243	0.0	201.1215	0.0
load	N_1800008598	constant_power_A	231.846	143.685	115.923	71.8425
load	N_1800008598	constant_power_B	231.846	143.685	115.923	71.8425
load	N_1800008598	constant_power_C	231.846	143.685	115.923	71.8425
load	N_1800008598	constant_power_A_real	231.846	0.0	115.923	0.0
load	N_1800008598	constant_power_B_real	231.846	0.0	115.923	0.0
load	N_1800008598	constant_power_C_real	231.846	0.0	115.923	0.0
load	N_1800008598	constant_power_A_reac	143.685	0.0	71.8425	0.0
load	N_1800008598	constant_power_B_reac	143.685	0.0	71.8425	0.0
load	N_1800008598	constant_power_C_reac	143.685	0.0	71.8425	0.0
load	N_1800011364	constant_power_A	648.583	401.956	324.2915	200.978
load	N_1800011364	constant_power_B	648.583	401.956	324.2915	200.978
load	N_1800011364	constant_power_C	648.583	401.956	324.2915	200.978
load	N_1800011364	constant_power_A_real	648.583	0.0	324.2915	0.0
load	N_1800011364	constant_power_B_real	648.583	0.0	324.2915	0.0
load	N_1800011364	constant_power_C_real	648.583	0.0	324.2915	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800011364	constant_power_A_reac	401.956	0.0	200.978	0.0
load	N_1800011364	constant_power_B_reac	401.956	0.0	200.978	0.0
load	N_1800011364	constant_power_C_reac	401.956	0.0	200.978	0.0
load	N_1800067528	constant_power_A	8.80433	2.89384	4.402165	1.44692
load	N_1800067528	constant_power_B	8.80433	2.89384	4.402165	1.44692
load	N_1800067528	constant_power_C	8.80433	2.89384	4.402165	1.44692
load	N_1800067528	constant_power_A_real	8.80433	0.0	4.402165	0.0
load	N_1800067528	constant_power_B_real	8.80433	0.0	4.402165	0.0
load	N_1800067528	constant_power_C_real	8.80433	0.0	4.402165	0.0
load	N_1800067528	constant_power_A_reac	2.89384	0.0	1.44692	0.0
load	N_1800067528	constant_power_B_reac	2.89384	0.0	1.44692	0.0
load	N_1800067528	constant_power_C_reac	2.89384	0.0	1.44692	0.0
load	N_1800067529	constant_power_A	1109.34	364.623	554.67	182.3115
load	N_1800067529	constant_power_B	1109.34	364.623	554.67	182.3115
load	N_1800067529	constant_power_C	1109.34	364.623	554.67	182.3115
load	N_1800067529	constant_power_A_real	1109.34	0.0	554.67	0.0
load	N_1800067529	constant_power_B_real	1109.34	0.0	554.67	0.0
load	N_1800067529	constant_power_C_real	1109.34	0.0	554.67	0.0
load	N_1800067529	constant_power_A_reac	364.623	0.0	182.3115	0.0
load	N_1800067529	constant_power_B_reac	364.623	0.0	182.3115	0.0
load	N_1800067529	constant_power_C_reac	364.623	0.0	182.3115	0.0
load	N_1800061784	constant_power_A	114.456	70.9333	57.228	35.46665
load	N_1800061784	constant_power_B	114.456	70.9333	57.228	35.46665
load	N_1800061784	constant_power_C	114.456	70.9333	57.228	35.46665
load	N_1800061784	constant_power_A_real	114.456	0.0	57.228	0.0
load	N_1800061784	constant_power_B_real	114.456	0.0	57.228	0.0
load	N_1800061784	constant_power_C_real	114.456	0.0	57.228	0.0
load	N_1800061784	constant_power_A_reac	70.9333	0.0	35.46665	0.0
load	N_1800061784	constant_power_B_reac	70.9333	0.0	35.46665	0.0
load	N_1800061784	constant_power_C_reac	70.9333	0.0	35.46665	0.0
load	N_1800061785	constant_power_A	41113.1	25479.6	20556.55	12739.8
load	N_1800061785	constant_power_B	41113.1	25479.6	20556.55	12739.8
load	N_1800061785	constant_power_C	41113.1	25479.6	20556.55	12739.8
load	N_1800061785	constant_power_A_real	41113.1	0.0	20556.55	0.0
load	N_1800061785	constant_power_B_real	41113.1	0.0	20556.55	0.0
load	N_1800061785	constant_power_C_real	41113.1	0.0	20556.55	0.0
load	N_1800061785	constant_power_A_reac	25479.6	0.0	12739.8	0.0
load	N_1800061785	constant_power_B_reac	25479.6	0.0	12739.8	0.0
load	N_1800061785	constant_power_C_reac	25479.6	0.0	12739.8	0.0
load	N_1800002319	constant_power_A	1200.32	394.526	600.16	197.263
load	N_1800002319	constant_power_B	1200.32	394.526	600.16	197.263
load	N_1800002319	constant_power_C	1200.32	394.526	600.16	197.263
load	N_1800002319	constant_power_A_real	1200.32	0.0	600.16	0.0
load	N_1800002319	constant_power_B_real	1200.32	0.0	600.16	0.0
load	N_1800002319	constant_power_C_real	1200.32	0.0	600.16	0.0
load	N_1800002319	constant_power_A_reac	394.526	0.0	197.263	0.0
load	N_1800002319	constant_power_B_reac	394.526	0.0	197.263	0.0
load	N_1800002319	constant_power_C_reac	394.526	0.0	197.263	0.0
load	N_1800014046	constant_power_A	898.038	556.554	449.019	278.277
load	N_1800014046	constant_power_B	898.038	556.554	449.019	278.277
load	N_1800014046	constant_power_C	898.038	556.554	449.019	278.277
load	N_1800014046	constant_power_A_real	898.038	0.0	449.019	0.0
load	N_1800014046	constant_power_B_real	898.038	0.0	449.019	0.0
load	N_1800014046	constant_power_C_real	898.038	0.0	449.019	0.0
load	N_1800014046	constant_power_A_reac	556.554	0.0	278.277	0.0
load	N_1800014046	constant_power_B_reac	556.554	0.0	278.277	0.0
load	N_1800014046	constant_power_C_reac	556.554	0.0	278.277	0.0
load	N_1800069479	constant_power_A	162.879	53.5357	81.4395	26.76785
load	N_1800069479	constant_power_C	162.879	53.5357	81.4395	26.76785
load	N_1800069479	constant_power_A_real	162.879	0.0	81.4395	0.0
load	N_1800069479	constant_power_C_real	162.879	0.0	81.4395	0.0
load	N_1800069479	constant_power_A_reac	53.5357	0.0	26.76785	0.0
load	N_1800069479	constant_power_C_reac	53.5357	0.0	26.76785	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800021497	constant_power_A	1725.64	567.191	862.82	283.5955
load	N_1800021497	constant_power_B	1725.64	567.191	862.82	283.5955
load	N_1800021497	constant_power_A_real	1725.64	0.0	862.82	0.0
load	N_1800021497	constant_power_B_real	1725.64	0.0	862.82	0.0
load	N_1800021497	constant_power_A_reac	567.191	0.0	283.5955	0.0
load	N_1800021497	constant_power_B_reac	567.191	0.0	283.5955	0.0
load	N_1800021709	constant_power_A	6506.37	4032.29	3253.185	2016.145
load	N_1800021709	constant_power_B	6506.37	4032.29	3253.185	2016.145
load	N_1800021709	constant_power_C	6506.37	4032.29	3253.185	2016.145
load	N_1800021709	constant_power_A_real	6506.37	0.0	3253.185	0.0
load	N_1800021709	constant_power_B_real	6506.37	0.0	3253.185	0.0
load	N_1800021709	constant_power_C_real	6506.37	0.0	3253.185	0.0
load	N_1800021709	constant_power_A_reac	4032.29	0.0	2016.145	0.0
load	N_1800021709	constant_power_B_reac	4032.29	0.0	2016.145	0.0
load	N_1800021709	constant_power_C_reac	4032.29	0.0	2016.145	0.0
load	N_1800039699	constant_power_A	269.998	167.33	134.999	83.665
load	N_1800039699	constant_power_B	269.998	167.33	134.999	83.665
load	N_1800039699	constant_power_C	269.998	167.33	134.999	83.665
load	N_1800039699	constant_power_A_real	269.998	0.0	134.999	0.0
load	N_1800039699	constant_power_B_real	269.998	0.0	134.999	0.0
load	N_1800039699	constant_power_C_real	269.998	0.0	134.999	0.0
load	N_1800039699	constant_power_A_reac	167.33	0.0	83.665	0.0
load	N_1800039699	constant_power_B_reac	167.33	0.0	83.665	0.0
load	N_1800039699	constant_power_C_reac	167.33	0.0	83.665	0.0
load	N_1800072956	constant_power_A	510.649	167.842	255.3245	83.921
load	N_1800072956	constant_power_B	510.649	167.842	255.3245	83.921
load	N_1800072956	constant_power_A_real	510.649	0.0	255.3245	0.0
load	N_1800072956	constant_power_B_real	510.649	0.0	255.3245	0.0
load	N_1800072956	constant_power_A_reac	167.842	0.0	83.921	0.0
load	N_1800072956	constant_power_B_reac	167.842	0.0	83.921	0.0
load	N_1800069475	constant_power_A	884.831	290.83	442.4155	145.415
load	N_1800069475	constant_power_C	884.831	290.83	442.4155	145.415
load	N_1800069475	constant_power_A_real	884.831	0.0	442.4155	0.0
load	N_1800069475	constant_power_C_real	884.831	0.0	442.4155	0.0
load	N_1800069475	constant_power_A_reac	290.83	0.0	145.415	0.0
load	N_1800069475	constant_power_C_reac	290.83	0.0	145.415	0.0
load	N_1800000318	constant_power_A	1332.38	437.933	666.19	218.9665
load	N_1800000318	constant_power_B	1332.38	437.933	666.19	218.9665
load	N_1800000318	constant_power_C	1332.38	437.933	666.19	218.9665
load	N_1800000318	constant_power_A_real	1332.38	0.0	666.19	0.0
load	N_1800000318	constant_power_B_real	1332.38	0.0	666.19	0.0
load	N_1800000318	constant_power_C_real	1332.38	0.0	666.19	0.0
load	N_1800000318	constant_power_A_reac	437.933	0.0	218.9665	0.0
load	N_1800000318	constant_power_B_reac	437.933	0.0	218.9665	0.0
load	N_1800000318	constant_power_C_reac	437.933	0.0	218.9665	0.0
load	N_1800035495	constant_power_A	990.483	325.556	495.2415	162.778
load	N_1800035495	constant_power_B	990.483	325.556	495.2415	162.778
load	N_1800035495	constant_power_A_real	990.483	0.0	495.2415	0.0
load	N_1800035495	constant_power_B_real	990.483	0.0	495.2415	0.0
load	N_1800035495	constant_power_A_reac	325.556	0.0	162.778	0.0
load	N_1800035495	constant_power_B_reac	325.556	0.0	162.778	0.0
load	N_1800068576	constant_power_A	2808.57	1740.59	1404.285	870.295
load	N_1800068576	constant_power_B	2808.57	1740.59	1404.285	870.295
load	N_1800068576	constant_power_C	2808.57	1740.59	1404.285	870.295
load	N_1800068576	constant_power_A_real	2808.57	0.0	1404.285	0.0
load	N_1800068576	constant_power_B_real	2808.57	0.0	1404.285	0.0
load	N_1800068576	constant_power_C_real	2808.57	0.0	1404.285	0.0
load	N_1800068576	constant_power_A_reac	1740.59	0.0	870.295	0.0
load	N_1800068576	constant_power_B_reac	1740.59	0.0	870.295	0.0
load	N_1800068576	constant_power_C_reac	1740.59	0.0	870.295	0.0
load	N_1800028104	constant_power_A	704.343	276.351	352.1715	138.1755
load	N_1800028104	constant_power_B	704.343	276.351	352.1715	138.1755
load	N_1800028104	constant_power_A_real	704.343	0.0	352.1715	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800028104	constant_power_B_real	704.343	0.0	352.1715	0.0
load	N_1800028104	constant_power_A_reac	276.351	0.0	138.1755	0.0
load	N_1800028104	constant_power_B_reac	276.351	0.0	138.1755	0.0
load	N_1800035496	constant_power_A	1633.2	536.806	816.6	268.403
load	N_1800035496	constant_power_B	1633.2	536.806	816.6	268.403
load	N_1800035496	constant_power_A_real	1633.2	0.0	816.6	0.0
load	N_1800035496	constant_power_B_real	1633.2	0.0	816.6	0.0
load	N_1800035496	constant_power_A_reac	536.806	0.0	268.403	0.0
load	N_1800035496	constant_power_B_reac	536.806	0.0	268.403	0.0
load	N_1800037119	constant_power_A	1109.34	364.623	554.67	182.3115
load	N_1800037119	constant_power_B	1109.34	364.623	554.67	182.3115
load	N_1800037119	constant_power_A_real	1109.34	0.0	554.67	0.0
load	N_1800037119	constant_power_B_real	1109.34	0.0	554.67	0.0
load	N_1800037119	constant_power_A_reac	364.623	0.0	182.3115	0.0
load	N_1800037119	constant_power_B_reac	364.623	0.0	182.3115	0.0
load	N_1800069006	constant_power_A	2617.81	1376.36	1308.905	688.18
load	N_1800069006	constant_power_B	2617.81	1376.36	1308.905	688.18
load	N_1800069006	constant_power_C	2617.81	1376.36	1308.905	688.18
load	N_1800069006	constant_power_A_real	2617.81	0.0	1308.905	0.0
load	N_1800069006	constant_power_B_real	2617.81	0.0	1308.905	0.0
load	N_1800069006	constant_power_C_real	2617.81	0.0	1308.905	0.0
load	N_1800069006	constant_power_A_reac	1376.36	0.0	688.18	0.0
load	N_1800069006	constant_power_B_reac	1376.36	0.0	688.18	0.0
load	N_1800069006	constant_power_C_reac	1376.36	0.0	688.18	0.0
load	N_1800020545	constant_power_A	2881.94	1658.79	1440.97	829.395
load	N_1800020545	constant_power_B	2881.94	1658.79	1440.97	829.395
load	N_1800020545	constant_power_C	2881.94	1658.79	1440.97	829.395
load	N_1800020545	constant_power_A_real	2881.94	0.0	1440.97	0.0
load	N_1800020545	constant_power_B_real	2881.94	0.0	1440.97	0.0
load	N_1800020545	constant_power_C_real	2881.94	0.0	1440.97	0.0
load	N_1800020545	constant_power_A_reac	1658.79	0.0	829.395	0.0
load	N_1800020545	constant_power_B_reac	1658.79	0.0	829.395	0.0
load	N_1800020545	constant_power_C_reac	1658.79	0.0	829.395	0.0
load	N_1800069278	constant_power_A	4657.47	1530.84	2328.735	765.42
load	N_1800069278	constant_power_B	4657.47	1530.84	2328.735	765.42
load	N_1800069278	constant_power_A_real	4657.47	0.0	2328.735	0.0
load	N_1800069278	constant_power_B_real	4657.47	0.0	2328.735	0.0
load	N_1800069278	constant_power_A_reac	1530.84	0.0	765.42	0.0
load	N_1800069278	constant_power_B_reac	1530.84	0.0	765.42	0.0
load	N_1800020610	constant_power_A	2248.03	738.892	1124.015	369.446
load	N_1800020610	constant_power_B	2248.03	738.892	1124.015	369.446
load	N_1800020610	constant_power_C	2248.03	738.892	1124.015	369.446
load	N_1800020610	constant_power_A_real	2248.03	0.0	1124.015	0.0
load	N_1800020610	constant_power_B_real	2248.03	0.0	1124.015	0.0
load	N_1800020610	constant_power_C_real	2248.03	0.0	1124.015	0.0
load	N_1800020610	constant_power_A_reac	738.892	0.0	369.446	0.0
load	N_1800020610	constant_power_B_reac	738.892	0.0	369.446	0.0
load	N_1800020610	constant_power_C_reac	738.892	0.0	369.446	0.0
load	N_1800043787	constant_power_A	768.908	252.728	384.454	126.364
load	N_1800043787	constant_power_B	768.908	252.728	384.454	126.364
load	N_1800043787	constant_power_C	768.908	252.728	384.454	126.364
load	N_1800043787	constant_power_A_real	768.908	0.0	384.454	0.0
load	N_1800043787	constant_power_B_real	768.908	0.0	384.454	0.0
load	N_1800043787	constant_power_C_real	768.908	0.0	384.454	0.0
load	N_1800043787	constant_power_A_reac	252.728	0.0	126.364	0.0
load	N_1800043787	constant_power_B_reac	252.728	0.0	126.364	0.0
load	N_1800043787	constant_power_C_reac	252.728	0.0	126.364	0.0
load	N_1800040474	constant_power_A	3486.5	1145.96	1743.25	572.98
load	N_1800040474	constant_power_B	3486.5	1145.96	1743.25	572.98
load	N_1800040474	constant_power_A_real	3486.5	0.0	1743.25	0.0
load	N_1800040474	constant_power_B_real	3486.5	0.0	1743.25	0.0
load	N_1800040474	constant_power_A_reac	1145.96	0.0	572.98	0.0
load	N_1800040474	constant_power_B_reac	1145.96	0.0	572.98	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069274	constant_power_A	936.19	307.711	468.095	153.8555
load	N_1800069274	constant_power_B	936.19	307.711	468.095	153.8555
load	N_1800069274	constant_power_C	936.19	307.711	468.095	153.8555
load	N_1800069274	constant_power_A_real	936.19	0.0	468.095	0.0
load	N_1800069274	constant_power_B_real	936.19	0.0	468.095	0.0
load	N_1800069274	constant_power_C_real	936.19	0.0	468.095	0.0
load	N_1800069274	constant_power_A_reac	307.711	0.0	153.8555	0.0
load	N_1800069274	constant_power_B_reac	307.711	0.0	153.8555	0.0
load	N_1800069274	constant_power_C_reac	307.711	0.0	153.8555	0.0
load	N_1800023556	constant_power_A	2474.01	1533.25	1237.005	766.625
load	N_1800023556	constant_power_B	2474.01	1533.25	1237.005	766.625
load	N_1800023556	constant_power_A_real	2474.01	0.0	1237.005	0.0
load	N_1800023556	constant_power_B_real	2474.01	0.0	1237.005	0.0
load	N_1800023556	constant_power_A_reac	1533.25	0.0	766.625	0.0
load	N_1800023556	constant_power_B_reac	1533.25	0.0	766.625	0.0
load	N_1800011170	constant_power_A	36796.1	22804.2	18398.05	11402.1
load	N_1800011170	constant_power_B	36796.1	22804.2	18398.05	11402.1
load	N_1800011170	constant_power_C	36796.1	22804.2	18398.05	11402.1
load	N_1800011170	constant_power_A_real	36796.1	0.0	18398.05	0.0
load	N_1800011170	constant_power_B_real	36796.1	0.0	18398.05	0.0
load	N_1800011170	constant_power_C_real	36796.1	0.0	18398.05	0.0
load	N_1800011170	constant_power_A_reac	22804.2	0.0	11402.1	0.0
load	N_1800011170	constant_power_B_reac	22804.2	0.0	11402.1	0.0
load	N_1800011170	constant_power_C_reac	22804.2	0.0	11402.1	0.0
load	N_1800067302	constant_power_A	1690.42	1047.63	845.21	523.815
load	N_1800067302	constant_power_B	1690.42	1047.63	845.21	523.815
load	N_1800067302	constant_power_A_real	1690.42	0.0	845.21	0.0
load	N_1800067302	constant_power_B_real	1690.42	0.0	845.21	0.0
load	N_1800067302	constant_power_A_reac	1047.63	0.0	523.815	0.0
load	N_1800067302	constant_power_B_reac	1047.63	0.0	523.815	0.0
load	N_1800067303	constant_power_A	537.062	176.524	268.531	88.262
load	N_1800067303	constant_power_B	537.062	176.524	268.531	88.262
load	N_1800067303	constant_power_C	537.062	176.524	268.531	88.262
load	N_1800067303	constant_power_A_real	537.062	0.0	268.531	0.0
load	N_1800067303	constant_power_B_real	537.062	0.0	268.531	0.0
load	N_1800067303	constant_power_C_real	537.062	0.0	268.531	0.0
load	N_1800067303	constant_power_A_reac	176.524	0.0	88.262	0.0
load	N_1800067303	constant_power_B_reac	176.524	0.0	88.262	0.0
load	N_1800067303	constant_power_C_reac	176.524	0.0	88.262	0.0
load	N_1800007841	constant_power_A	143.803	89.1213	71.9015	44.56065
load	N_1800007841	constant_power_B	143.803	89.1213	71.9015	44.56065
load	N_1800007841	constant_power_C	143.803	89.1213	71.9015	44.56065
load	N_1800007841	constant_power_A_real	143.803	0.0	71.9015	0.0
load	N_1800007841	constant_power_B_real	143.803	0.0	71.9015	0.0
load	N_1800007841	constant_power_C_real	143.803	0.0	71.9015	0.0
load	N_1800007841	constant_power_A_reac	89.1213	0.0	44.56065	0.0
load	N_1800007841	constant_power_B_reac	89.1213	0.0	44.56065	0.0
load	N_1800007841	constant_power_C_reac	89.1213	0.0	44.56065	0.0
load	N_1800037060	constant_power_A	739.56	243.936	369.78	121.968
load	N_1800037060	constant_power_B	739.56	243.936	369.78	121.968
load	N_1800037060	constant_power_C	739.56	243.936	369.78	121.968
load	N_1800037060	constant_power_A_real	739.56	0.0	369.78	0.0
load	N_1800037060	constant_power_B_real	739.56	0.0	369.78	0.0
load	N_1800037060	constant_power_C_real	739.56	0.0	369.78	0.0
load	N_1800037060	constant_power_A_reac	243.936	0.0	121.968	0.0
load	N_1800037060	constant_power_B_reac	243.936	0.0	121.968	0.0
load	N_1800037060	constant_power_C_reac	243.936	0.0	121.968	0.0
load	N_1800037061	constant_power_A	655.92	215.59	327.96	107.795
load	N_1800037061	constant_power_B	655.92	215.59	327.96	107.795
load	N_1800037061	constant_power_A_real	655.92	0.0	327.96	0.0
load	N_1800037061	constant_power_B_real	655.92	0.0	327.96	0.0
load	N_1800037061	constant_power_A_reac	215.59	0.0	107.795	0.0
load	N_1800037061	constant_power_B_reac	215.59	0.0	107.795	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800043091	constant_power_A	1669.88	548.863	834.94	274.4315
load	N_1800043091	constant_power_B	1669.88	548.863	834.94	274.4315
load	N_1800043091	constant_power_C	1669.88	548.863	834.94	274.4315
load	N_1800043091	constant_power_A_real	1669.88	0.0	834.94	0.0
load	N_1800043091	constant_power_B_real	1669.88	0.0	834.94	0.0
load	N_1800043091	constant_power_C_real	1669.88	0.0	834.94	0.0
load	N_1800043091	constant_power_A_reac	548.863	0.0	274.4315	0.0
load	N_1800043091	constant_power_B_reac	548.863	0.0	274.4315	0.0
load	N_1800043091	constant_power_C_reac	548.863	0.0	274.4315	0.0
load	N_1800038249	constant_power_A	493.04	162.054	246.52	81.027
load	N_1800038249	constant_power_B	493.04	162.054	246.52	81.027
load	N_1800038249	constant_power_A_real	493.04	0.0	246.52	0.0
load	N_1800038249	constant_power_B_real	493.04	0.0	246.52	0.0
load	N_1800038249	constant_power_A_reac	162.054	0.0	81.027	0.0
load	N_1800038249	constant_power_B_reac	162.054	0.0	81.027	0.0
load	N_1800038241	constant_power_A	1536.35	504.973	768.175	252.4865
load	N_1800038241	constant_power_B	1536.35	504.973	768.175	252.4865
load	N_1800038241	constant_power_A_real	1536.35	0.0	768.175	0.0
load	N_1800038241	constant_power_B_real	1536.35	0.0	768.175	0.0
load	N_1800038241	constant_power_A_reac	504.973	0.0	252.4865	0.0
load	N_1800038241	constant_power_B_reac	504.973	0.0	252.4865	0.0
load	N_1800072264	constant_power_A	14571.1	9030.36	7285.55	4515.18
load	N_1800072264	constant_power_B	14571.1	9030.36	7285.55	4515.18
load	N_1800072264	constant_power_C	14571.1	9030.36	7285.55	4515.18
load	N_1800072264	constant_power_A_real	14571.1	0.0	7285.55	0.0
load	N_1800072264	constant_power_B_real	14571.1	0.0	7285.55	0.0
load	N_1800072264	constant_power_C_real	14571.1	0.0	7285.55	0.0
load	N_1800072264	constant_power_A_reac	9030.36	0.0	4515.18	0.0
load	N_1800072264	constant_power_B_reac	9030.36	0.0	4515.18	0.0
load	N_1800072264	constant_power_C_reac	9030.36	0.0	4515.18	0.0
load	N_1800072263	constant_power_A	1056.52	347.26	528.26	173.63
load	N_1800072263	constant_power_B	1056.52	347.26	528.26	173.63
load	N_1800072263	constant_power_C	1056.52	347.26	528.26	173.63
load	N_1800072263	constant_power_A_real	1056.52	0.0	528.26	0.0
load	N_1800072263	constant_power_B_real	1056.52	0.0	528.26	0.0
load	N_1800072263	constant_power_C_real	1056.52	0.0	528.26	0.0
load	N_1800072263	constant_power_A_reac	347.26	0.0	173.63	0.0
load	N_1800072263	constant_power_B_reac	347.26	0.0	173.63	0.0
load	N_1800072263	constant_power_C_reac	347.26	0.0	173.63	0.0
load	N_1800072261	constant_power_A	3445.41	2135.28	1722.705	1067.64
load	N_1800072261	constant_power_B	3445.41	2135.28	1722.705	1067.64
load	N_1800072261	constant_power_C	3445.41	2135.28	1722.705	1067.64
load	N_1800072261	constant_power_A_real	3445.41	0.0	1722.705	0.0
load	N_1800072261	constant_power_B_real	3445.41	0.0	1722.705	0.0
load	N_1800072261	constant_power_C_real	3445.41	0.0	1722.705	0.0
load	N_1800072261	constant_power_A_reac	2135.28	0.0	1067.64	0.0
load	N_1800072261	constant_power_B_reac	2135.28	0.0	1067.64	0.0
load	N_1800072261	constant_power_C_reac	2135.28	0.0	1067.64	0.0
load	N_1800198139	constant_power_A	17.609	10.9131	8.8045	5.45655
load	N_1800198139	constant_power_B	17.609	10.9131	8.8045	5.45655
load	N_1800198139	constant_power_A_real	17.609	0.0	8.8045	0.0
load	N_1800198139	constant_power_B_real	17.609	0.0	8.8045	0.0
load	N_1800198139	constant_power_A_reac	10.9131	0.0	5.45655	0.0
load	N_1800198139	constant_power_B_reac	10.9131	0.0	5.45655	0.0
load	N_1800072269	constant_power_A	730.756	240.188	365.378	120.094
load	N_1800072269	constant_power_B	730.756	240.188	365.378	120.094
load	N_1800072269	constant_power_A_real	730.756	0.0	365.378	0.0
load	N_1800072269	constant_power_B_real	730.756	0.0	365.378	0.0
load	N_1800072269	constant_power_A_reac	240.188	0.0	120.094	0.0
load	N_1800072269	constant_power_B_reac	240.188	0.0	120.094	0.0
load	N_1800072268	constant_power_A	3851.88	1266.05	1925.94	633.025
load	N_1800072268	constant_power_B	3851.88	1266.05	1925.94	633.025
load	N_1800072268	constant_power_A_real	3851.88	0.0	1925.94	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072268	constant_power_B_real	3851.88	0.0	1925.94	0.0
load	N_1800072268	constant_power_A_reac	1266.05	0.0	633.025	0.0
load	N_1800072268	constant_power_B_reac	1266.05	0.0	633.025	0.0
load	N_1800034162	constant_power_A	1122.55	368.963	561.275	184.4815
load	N_1800034162	constant_power_B	1122.55	368.963	561.275	184.4815
load	N_1800034162	constant_power_A_real	1122.55	0.0	561.275	0.0
load	N_1800034162	constant_power_B_real	1122.55	0.0	561.275	0.0
load	N_1800034162	constant_power_A_reac	368.963	0.0	184.4815	0.0
load	N_1800034162	constant_power_B_reac	368.963	0.0	184.4815	0.0
load	N_1800034166	constant_power_A	1435.1	471.695	717.55	235.8475
load	N_1800034166	constant_power_B	1435.1	471.695	717.55	235.8475
load	N_1800034166	constant_power_A_real	1435.1	0.0	717.55	0.0
load	N_1800034166	constant_power_B_real	1435.1	0.0	717.55	0.0
load	N_1800034166	constant_power_A_reac	471.695	0.0	235.8475	0.0
load	N_1800034166	constant_power_B_reac	471.695	0.0	235.8475	0.0
load	N_1800034164	constant_power_A	815.864	505.627	407.932	252.8135
load	N_1800034164	constant_power_B	815.864	505.627	407.932	252.8135
load	N_1800034164	constant_power_C	815.864	505.627	407.932	252.8135
load	N_1800034164	constant_power_A_real	815.864	0.0	407.932	0.0
load	N_1800034164	constant_power_B_real	815.864	0.0	407.932	0.0
load	N_1800034164	constant_power_C_real	815.864	0.0	407.932	0.0
load	N_1800034164	constant_power_A_reac	505.627	0.0	252.8135	0.0
load	N_1800034164	constant_power_B_reac	505.627	0.0	252.8135	0.0
load	N_1800034164	constant_power_C_reac	505.627	0.0	252.8135	0.0
load	N_1800034165	constant_power_A	2823.24	1749.69	1411.62	874.845
load	N_1800034165	constant_power_B	2823.24	1749.69	1411.62	874.845
load	N_1800034165	constant_power_C	2823.24	1749.69	1411.62	874.845
load	N_1800034165	constant_power_A_real	2823.24	0.0	1411.62	0.0
load	N_1800034165	constant_power_B_real	2823.24	0.0	1411.62	0.0
load	N_1800034165	constant_power_C_real	2823.24	0.0	1411.62	0.0
load	N_1800034165	constant_power_A_reac	1749.69	0.0	874.845	0.0
load	N_1800034165	constant_power_B_reac	1749.69	0.0	874.845	0.0
load	N_1800034165	constant_power_C_reac	1749.69	0.0	874.845	0.0
load	N_1800034168	constant_power_A	1567.16	515.102	783.58	257.551
load	N_1800034168	constant_power_B	1567.16	515.102	783.58	257.551
load	N_1800034168	constant_power_A_real	1567.16	0.0	783.58	0.0
load	N_1800034168	constant_power_B_real	1567.16	0.0	783.58	0.0
load	N_1800034168	constant_power_A_reac	515.102	0.0	257.551	0.0
load	N_1800034168	constant_power_B_reac	515.102	0.0	257.551	0.0
load	N_1800034169	constant_power_A	1316.24	815.734	658.12	407.867
load	N_1800034169	constant_power_B	1316.24	815.734	658.12	407.867
load	N_1800034169	constant_power_A_real	1316.24	0.0	658.12	0.0
load	N_1800034169	constant_power_B_real	1316.24	0.0	658.12	0.0
load	N_1800034169	constant_power_A_reac	815.734	0.0	407.867	0.0
load	N_1800034169	constant_power_B_reac	815.734	0.0	407.867	0.0
load	N_1800040675	constant_power_A	770.376	253.21	385.188	126.605
load	N_1800040675	constant_power_B	770.376	253.21	385.188	126.605
load	N_1800040675	constant_power_A_real	770.376	0.0	385.188	0.0
load	N_1800040675	constant_power_B_real	770.376	0.0	385.188	0.0
load	N_1800040675	constant_power_A_reac	253.21	0.0	126.605	0.0
load	N_1800040675	constant_power_B_reac	253.21	0.0	126.605	0.0
load	N_1800068495	constant_power_A	2091.02	687.285	1045.51	343.6425
load	N_1800068495	constant_power_B	2091.02	687.285	1045.51	343.6425
load	N_1800068495	constant_power_A_real	2091.02	0.0	1045.51	0.0
load	N_1800068495	constant_power_B_real	2091.02	0.0	1045.51	0.0
load	N_1800068495	constant_power_A_reac	687.285	0.0	343.6425	0.0
load	N_1800068495	constant_power_B_reac	687.285	0.0	343.6425	0.0
load	N_1800025803	constant_power_A	6943.65	2282.27	3471.825	1141.135
load	N_1800025803	constant_power_B	6943.65	2282.27	3471.825	1141.135
load	N_1800025803	constant_power_C	6943.65	2282.27	3471.825	1141.135
load	N_1800025803	constant_power_A_real	6943.65	0.0	3471.825	0.0
load	N_1800025803	constant_power_B_real	6943.65	0.0	3471.825	0.0
load	N_1800025803	constant_power_C_real	6943.65	0.0	3471.825	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800025803	constant_power_A_reac	2282.27	0.0	1141.135	0.0
load	N_1800025803	constant_power_B_reac	2282.27	0.0	1141.135	0.0
load	N_1800025803	constant_power_C_reac	2282.27	0.0	1141.135	0.0
load	N_1800025802	constant_power_A	31554.6	10371.5	15777.3	5185.75
load	N_1800025802	constant_power_A_real	31554.6	0.0	15777.3	0.0
load	N_1800025802	constant_power_A_reac	10371.5	0.0	5185.75	0.0
load	N_1800043328	constant_power_A	956.733	592.93	478.3665	296.465
load	N_1800043328	constant_power_B	956.733	592.93	478.3665	296.465
load	N_1800043328	constant_power_C	956.733	592.93	478.3665	296.465
load	N_1800043328	constant_power_A_real	956.733	0.0	478.3665	0.0
load	N_1800043328	constant_power_B_real	956.733	0.0	478.3665	0.0
load	N_1800043328	constant_power_C_real	956.733	0.0	478.3665	0.0
load	N_1800043328	constant_power_A_reac	592.93	0.0	296.465	0.0
load	N_1800043328	constant_power_B_reac	592.93	0.0	296.465	0.0
load	N_1800043328	constant_power_C_reac	592.93	0.0	296.465	0.0
load	N_1800025804	constant_power_A	657.387	243.407	328.6935	121.7035
load	N_1800025804	constant_power_B	657.387	243.407	328.6935	121.7035
load	N_1800025804	constant_power_C	657.387	243.407	328.6935	121.7035
load	N_1800025804	constant_power_A_real	657.387	0.0	328.6935	0.0
load	N_1800025804	constant_power_B_real	657.387	0.0	328.6935	0.0
load	N_1800025804	constant_power_C_real	657.387	0.0	328.6935	0.0
load	N_1800025804	constant_power_A_reac	243.407	0.0	121.7035	0.0
load	N_1800025804	constant_power_B_reac	243.407	0.0	121.7035	0.0
load	N_1800025804	constant_power_C_reac	243.407	0.0	121.7035	0.0
load	N_1800038944	constant_power_A	3072.7	1009.95	1536.35	504.975
load	N_1800038944	constant_power_B	3072.7	1009.95	1536.35	504.975
load	N_1800038944	constant_power_A_real	3072.7	0.0	1536.35	0.0
load	N_1800038944	constant_power_B_real	3072.7	0.0	1536.35	0.0
load	N_1800038944	constant_power_A_reac	1009.95	0.0	504.975	0.0
load	N_1800038944	constant_power_B_reac	1009.95	0.0	504.975	0.0
load	N_1800018363	constant_power_A	889.233	292.277	444.6165	146.1385
load	N_1800018363	constant_power_B	889.233	292.277	444.6165	146.1385
load	N_1800018363	constant_power_A_real	889.233	0.0	444.6165	0.0
load	N_1800018363	constant_power_B_real	889.233	0.0	444.6165	0.0
load	N_1800018363	constant_power_A_reac	292.277	0.0	146.1385	0.0
load	N_1800018363	constant_power_B_reac	292.277	0.0	146.1385	0.0
load	N_1800028141	constant_power_A	2280.31	1248.35	1140.155	624.175
load	N_1800028141	constant_power_B	2280.31	1248.35	1140.155	624.175
load	N_1800028141	constant_power_C	2280.31	1248.35	1140.155	624.175
load	N_1800028141	constant_power_A_real	2280.31	0.0	1140.155	0.0
load	N_1800028141	constant_power_B_real	2280.31	0.0	1140.155	0.0
load	N_1800028141	constant_power_C_real	2280.31	0.0	1140.155	0.0
load	N_1800028141	constant_power_A_reac	1248.35	0.0	624.175	0.0
load	N_1800028141	constant_power_B_reac	1248.35	0.0	624.175	0.0
load	N_1800028141	constant_power_C_reac	1248.35	0.0	624.175	0.0
load	N_1800028140	constant_power_A	830.538	514.721	415.269	257.3605
load	N_1800028140	constant_power_B	830.538	514.721	415.269	257.3605
load	N_1800028140	constant_power_C	830.538	514.721	415.269	257.3605
load	N_1800028140	constant_power_A_real	830.538	0.0	415.269	0.0
load	N_1800028140	constant_power_B_real	830.538	0.0	415.269	0.0
load	N_1800028140	constant_power_C_real	830.538	0.0	415.269	0.0
load	N_1800028140	constant_power_A_reac	514.721	0.0	257.3605	0.0
load	N_1800028140	constant_power_B_reac	514.721	0.0	257.3605	0.0
load	N_1800028140	constant_power_C_reac	514.721	0.0	257.3605	0.0
load	N_1800028147	constant_power_A	338.965	210.072	169.4825	105.036
load	N_1800028147	constant_power_C	338.965	210.072	169.4825	105.036
load	N_1800028147	constant_power_A_real	338.965	0.0	169.4825	0.0
load	N_1800028147	constant_power_C_real	338.965	0.0	169.4825	0.0
load	N_1800028147	constant_power_A_reac	210.072	0.0	105.036	0.0
load	N_1800028147	constant_power_C_reac	210.072	0.0	105.036	0.0
load	N_1800073021	constant_power_A	1611.18	529.571	805.59	264.7855
load	N_1800073021	constant_power_B	1611.18	529.571	805.59	264.7855
load	N_1800073021	constant_power_A_real	1611.18	0.0	805.59	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073021	constant_power_B_real	1611.18	0.0	805.59	0.0
load	N_1800073021	constant_power_A_reac	529.571	0.0	264.7855	0.0
load	N_1800073021	constant_power_B_reac	529.571	0.0	264.7855	0.0
load	N_1800201201	constant_power_A	155000.0	96060.4	77500.0	48030.2
load	N_1800201201	constant_power_B	155000.0	96060.4	77500.0	48030.2
load	N_1800201201	constant_power_C	155000.0	96060.4	77500.0	48030.2
load	N_1800201201	constant_power_A_real	155000.0	0.0	77500.0	0.0
load	N_1800201201	constant_power_B_real	155000.0	0.0	77500.0	0.0
load	N_1800201201	constant_power_C_real	155000.0	0.0	77500.0	0.0
load	N_1800201201	constant_power_A_reac	96060.4	0.0	48030.2	0.0
load	N_1800201201	constant_power_B_reac	96060.4	0.0	48030.2	0.0
load	N_1800201201	constant_power_C_reac	96060.4	0.0	48030.2	0.0
load	N_1800077762	constant_power_A	1584.77	982.154	792.385	491.077
load	N_1800077762	constant_power_B	1584.77	982.154	792.385	491.077
load	N_1800077762	constant_power_A_real	1584.77	0.0	792.385	0.0
load	N_1800077762	constant_power_B_real	1584.77	0.0	792.385	0.0
load	N_1800077762	constant_power_A_reac	982.154	0.0	491.077	0.0
load	N_1800077762	constant_power_B_reac	982.154	0.0	491.077	0.0
load	N_1800069567	constant_power_A	102.717	33.7613	51.3585	16.88065
load	N_1800069567	constant_power_B	102.717	33.7613	51.3585	16.88065
load	N_1800069567	constant_power_C	102.717	33.7613	51.3585	16.88065
load	N_1800069567	constant_power_A_real	102.717	0.0	51.3585	0.0
load	N_1800069567	constant_power_B_real	102.717	0.0	51.3585	0.0
load	N_1800069567	constant_power_C_real	102.717	0.0	51.3585	0.0
load	N_1800069567	constant_power_A_reac	33.7613	0.0	16.88065	0.0
load	N_1800069567	constant_power_B_reac	33.7613	0.0	16.88065	0.0
load	N_1800069567	constant_power_C_reac	33.7613	0.0	16.88065	0.0
load	N_1800046146	constant_power_A	3891.5	1279.07	1945.75	639.535
load	N_1800046146	constant_power_B	3891.5	1279.07	1945.75	639.535
load	N_1800046146	constant_power_A_real	3891.5	0.0	1945.75	0.0
load	N_1800046146	constant_power_B_real	3891.5	0.0	1945.75	0.0
load	N_1800046146	constant_power_A_reac	1279.07	0.0	639.535	0.0
load	N_1800046146	constant_power_B_reac	1279.07	0.0	639.535	0.0
load	N_1800046143	constant_power_A	1377.87	452.885	688.935	226.4425
load	N_1800046143	constant_power_B	1377.87	452.885	688.935	226.4425
load	N_1800046143	constant_power_A_real	1377.87	0.0	688.935	0.0
load	N_1800046143	constant_power_B_real	1377.87	0.0	688.935	0.0
load	N_1800046143	constant_power_A_reac	452.885	0.0	226.4425	0.0
load	N_1800046143	constant_power_B_reac	452.885	0.0	226.4425	0.0
load	N_1800046142	constant_power_A	1769.66	581.66	884.83	290.83
load	N_1800046142	constant_power_B	1769.66	581.66	884.83	290.83
load	N_1800046142	constant_power_A_real	1769.66	0.0	884.83	0.0
load	N_1800046142	constant_power_B_real	1769.66	0.0	884.83	0.0
load	N_1800046142	constant_power_A_reac	581.66	0.0	290.83	0.0
load	N_1800046142	constant_power_B_reac	581.66	0.0	290.83	0.0
load	N_1800034344	constant_power_A	1492.33	490.504	746.165	245.252
load	N_1800034344	constant_power_B	1492.33	490.504	746.165	245.252
load	N_1800034344	constant_power_A_real	1492.33	0.0	746.165	0.0
load	N_1800034344	constant_power_B_real	1492.33	0.0	746.165	0.0
load	N_1800034344	constant_power_A_reac	490.504	0.0	245.252	0.0
load	N_1800034344	constant_power_B_reac	490.504	0.0	245.252	0.0
load	N_1800034342	constant_power_A	1725.64	567.191	862.82	283.5955
load	N_1800034342	constant_power_B	1725.64	567.191	862.82	283.5955
load	N_1800034342	constant_power_A_real	1725.64	0.0	862.82	0.0
load	N_1800034342	constant_power_B_real	1725.64	0.0	862.82	0.0
load	N_1800034342	constant_power_A_reac	567.191	0.0	283.5955	0.0
load	N_1800034342	constant_power_B_reac	567.191	0.0	283.5955	0.0
load	N_1800034341	constant_power_A	1501.13	493.398	750.565	246.699
load	N_1800034341	constant_power_B	1501.13	493.398	750.565	246.699
load	N_1800034341	constant_power_A_real	1501.13	0.0	750.565	0.0
load	N_1800034341	constant_power_B_real	1501.13	0.0	750.565	0.0
load	N_1800034341	constant_power_A_reac	493.398	0.0	246.699	0.0
load	N_1800034341	constant_power_B_reac	493.398	0.0	246.699	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070739	constant_power_A	1157.76	380.539	578.88	190.2695
load	N_1800070739	constant_power_B	1157.76	380.539	578.88	190.2695
load	N_1800070739	constant_power_A_real	1157.76	0.0	578.88	0.0
load	N_1800070739	constant_power_B_real	1157.76	0.0	578.88	0.0
load	N_1800070739	constant_power_A_reac	380.539	0.0	190.2695	0.0
load	N_1800070739	constant_power_B_reac	380.539	0.0	190.2695	0.0
load	N_1800205265	constant_power_A	1875.31	616.386	937.655	308.193
load	N_1800205265	constant_power_B	1875.31	616.386	937.655	308.193
load	N_1800205265	constant_power_A_real	1875.31	0.0	937.655	0.0
load	N_1800205265	constant_power_B_real	1875.31	0.0	937.655	0.0
load	N_1800205265	constant_power_A_reac	616.386	0.0	308.193	0.0
load	N_1800205265	constant_power_B_reac	616.386	0.0	308.193	0.0
load	N_1800070733	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800070733	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800070733	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800070733	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800070733	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800070733	constant_power_B_reac	179.417	0.0	89.7085	0.0
load	N_1800025935	constant_power_A	3917.91	1757.99	1958.955	878.995
load	N_1800025935	constant_power_B	3917.91	1757.99	1958.955	878.995
load	N_1800025935	constant_power_A_real	3917.91	0.0	1958.955	0.0
load	N_1800025935	constant_power_B_real	3917.91	0.0	1958.955	0.0
load	N_1800025935	constant_power_A_reac	1757.99	0.0	878.995	0.0
load	N_1800025935	constant_power_B_reac	1757.99	0.0	878.995	0.0
load	N_1800040816	constant_power_A	2614.88	859.468	1307.44	429.734
load	N_1800040816	constant_power_B	2614.88	859.468	1307.44	429.734
load	N_1800040816	constant_power_A_real	2614.88	0.0	1307.44	0.0
load	N_1800040816	constant_power_B_real	2614.88	0.0	1307.44	0.0
load	N_1800040816	constant_power_A_reac	859.468	0.0	429.734	0.0
load	N_1800040816	constant_power_B_reac	859.468	0.0	429.734	0.0
load	N_1800080650	constant_power_A	6617.89	4101.4	3308.945	2050.7
load	N_1800080650	constant_power_B	6617.89	4101.4	3308.945	2050.7
load	N_1800080650	constant_power_C	6617.89	4101.4	3308.945	2050.7
load	N_1800080650	constant_power_A_real	6617.89	0.0	3308.945	0.0
load	N_1800080650	constant_power_B_real	6617.89	0.0	3308.945	0.0
load	N_1800080650	constant_power_C_real	6617.89	0.0	3308.945	0.0
load	N_1800080650	constant_power_A_reac	4101.4	0.0	2050.7	0.0
load	N_1800080650	constant_power_B_reac	4101.4	0.0	2050.7	0.0
load	N_1800080650	constant_power_C_reac	4101.4	0.0	2050.7	0.0
load	N_1800031420	constant_power_A	933.255	306.746	466.6275	153.373
load	N_1800031420	constant_power_B	933.255	306.746	466.6275	153.373
load	N_1800031420	constant_power_A_real	933.255	0.0	466.6275	0.0
load	N_1800031420	constant_power_B_real	933.255	0.0	466.6275	0.0
load	N_1800031420	constant_power_A_reac	306.746	0.0	153.373	0.0
load	N_1800031420	constant_power_B_reac	306.746	0.0	153.373	0.0
load	N_1800031421	constant_power_A	1606.78	528.124	803.39	264.062
load	N_1800031421	constant_power_B	1606.78	528.124	803.39	264.062
load	N_1800031421	constant_power_A_real	1606.78	0.0	803.39	0.0
load	N_1800031421	constant_power_B_real	1606.78	0.0	803.39	0.0
load	N_1800031421	constant_power_A_reac	528.124	0.0	264.062	0.0
load	N_1800031421	constant_power_B_reac	528.124	0.0	264.062	0.0
load	N_1800031422	constant_power_A	717.55	235.847	358.775	117.9235
load	N_1800031422	constant_power_B	717.55	235.847	358.775	117.9235
load	N_1800031422	constant_power_A_real	717.55	0.0	358.775	0.0
load	N_1800031422	constant_power_B_real	717.55	0.0	358.775	0.0
load	N_1800031422	constant_power_A_reac	235.847	0.0	117.9235	0.0
load	N_1800031422	constant_power_B_reac	235.847	0.0	117.9235	0.0
load	N_1800031423	constant_power_A	4.402	1.44687	2.201	0.723435
load	N_1800031423	constant_power_B	4.402	1.44687	2.201	0.723435
load	N_1800031423	constant_power_A_real	4.402	0.0	2.201	0.0
load	N_1800031423	constant_power_B_real	4.402	0.0	2.201	0.0
load	N_1800031423	constant_power_A_reac	1.44687	0.0	0.723435	0.0
load	N_1800031423	constant_power_B_reac	1.44687	0.0	0.723435	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800028039	constant_power_A	947.929	311.569	473.9645	155.7845
load	N_1800028039	constant_power_B	947.929	311.569	473.9645	155.7845
load	N_1800028039	constant_power_C	947.929	311.569	473.9645	155.7845
load	N_1800028039	constant_power_A_real	947.929	0.0	473.9645	0.0
load	N_1800028039	constant_power_B_real	947.929	0.0	473.9645	0.0
load	N_1800028039	constant_power_C_real	947.929	0.0	473.9645	0.0
load	N_1800028039	constant_power_A_reac	311.569	0.0	155.7845	0.0
load	N_1800028039	constant_power_B_reac	311.569	0.0	155.7845	0.0
load	N_1800028039	constant_power_C_reac	311.569	0.0	155.7845	0.0
load	N_1800031425	constant_power_A	537.062	176.524	268.531	88.262
load	N_1800031425	constant_power_B	537.062	176.524	268.531	88.262
load	N_1800031425	constant_power_A_real	537.062	0.0	268.531	0.0
load	N_1800031425	constant_power_B_real	537.062	0.0	268.531	0.0
load	N_1800031425	constant_power_A_reac	176.524	0.0	88.262	0.0
load	N_1800031425	constant_power_B_reac	176.524	0.0	88.262	0.0
load	N_1800031427	constant_power_A	196.629	121.86	98.3145	60.93
load	N_1800031427	constant_power_B	196.629	121.86	98.3145	60.93
load	N_1800031427	constant_power_C	196.629	121.86	98.3145	60.93
load	N_1800031427	constant_power_A_real	196.629	0.0	98.3145	0.0
load	N_1800031427	constant_power_B_real	196.629	0.0	98.3145	0.0
load	N_1800031427	constant_power_C_real	196.629	0.0	98.3145	0.0
load	N_1800031427	constant_power_A_reac	121.86	0.0	60.93	0.0
load	N_1800031427	constant_power_B_reac	121.86	0.0	60.93	0.0
load	N_1800031427	constant_power_C_reac	121.86	0.0	60.93	0.0
load	N_1800031428	constant_power_A	1369.07	449.991	684.535	224.9955
load	N_1800031428	constant_power_B	1369.07	449.991	684.535	224.9955
load	N_1800031428	constant_power_A_real	1369.07	0.0	684.535	0.0
load	N_1800031428	constant_power_B_real	1369.07	0.0	684.535	0.0
load	N_1800031428	constant_power_A_reac	449.991	0.0	224.9955	0.0
load	N_1800031428	constant_power_B_reac	449.991	0.0	224.9955	0.0
load	N_1800028031	constant_power_A	1122.55	368.963	561.275	184.4815
load	N_1800028031	constant_power_B	1122.55	368.963	561.275	184.4815
load	N_1800028031	constant_power_A_real	1122.55	0.0	561.275	0.0
load	N_1800028031	constant_power_B_real	1122.55	0.0	561.275	0.0
load	N_1800028031	constant_power_A_reac	368.963	0.0	184.4815	0.0
load	N_1800028031	constant_power_B_reac	368.963	0.0	184.4815	0.0
load	N_1800028030	constant_power_A	1106.41	363.658	553.205	181.829
load	N_1800028030	constant_power_B	1106.41	363.658	553.205	181.829
load	N_1800028030	constant_power_C	1106.41	363.658	553.205	181.829
load	N_1800028030	constant_power_A_real	1106.41	0.0	553.205	0.0
load	N_1800028030	constant_power_B_real	1106.41	0.0	553.205	0.0
load	N_1800028030	constant_power_C_real	1106.41	0.0	553.205	0.0
load	N_1800028030	constant_power_A_reac	363.658	0.0	181.829	0.0
load	N_1800028030	constant_power_B_reac	363.658	0.0	181.829	0.0
load	N_1800028030	constant_power_C_reac	363.658	0.0	181.829	0.0
load	N_1800073732	constant_power_A	809.995	266.232	404.9975	133.116
load	N_1800073732	constant_power_B	809.995	266.232	404.9975	133.116
load	N_1800073732	constant_power_A_real	809.995	0.0	404.9975	0.0
load	N_1800073732	constant_power_B_real	809.995	0.0	404.9975	0.0
load	N_1800073732	constant_power_A_reac	266.232	0.0	133.116	0.0
load	N_1800073732	constant_power_B_reac	266.232	0.0	133.116	0.0
load	N_1800073733	constant_power_A	2108.63	1010.83	1054.315	505.415
load	N_1800073733	constant_power_B	2108.63	1010.83	1054.315	505.415
load	N_1800073733	constant_power_A_real	2108.63	0.0	1054.315	0.0
load	N_1800073733	constant_power_B_real	2108.63	0.0	1054.315	0.0
load	N_1800073733	constant_power_A_reac	1010.83	0.0	505.415	0.0
load	N_1800073733	constant_power_B_reac	1010.83	0.0	505.415	0.0
load	N_1800073730	constant_power_A	545.866	179.417	272.933	89.7085
load	N_1800073730	constant_power_B	545.866	179.417	272.933	89.7085
load	N_1800073730	constant_power_A_real	545.866	0.0	272.933	0.0
load	N_1800073730	constant_power_B_real	545.866	0.0	272.933	0.0
load	N_1800073730	constant_power_A_reac	179.417	0.0	89.7085	0.0
load	N_1800073730	constant_power_B_reac	179.417	0.0	89.7085	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800073736	constant_power_A	435.812	143.244	217.906	71.622
load	N_1800073736	constant_power_B	435.812	143.244	217.906	71.622
load	N_1800073736	constant_power_A_real	435.812	0.0	217.906	0.0
load	N_1800073736	constant_power_B_real	435.812	0.0	217.906	0.0
load	N_1800073736	constant_power_A_reac	143.244	0.0	71.622	0.0
load	N_1800073736	constant_power_B_reac	143.244	0.0	71.622	0.0
load	N_1800073734	constant_power_A	1655.21	544.04	827.605	272.02
load	N_1800073734	constant_power_B	1655.21	544.04	827.605	272.02
load	N_1800073734	constant_power_A_real	1655.21	0.0	827.605	0.0
load	N_1800073734	constant_power_B_real	1655.21	0.0	827.605	0.0
load	N_1800073734	constant_power_A_reac	544.04	0.0	272.02	0.0
load	N_1800073734	constant_power_B_reac	544.04	0.0	272.02	0.0
load	N_1800073735	constant_power_A	1281.02	421.052	640.51	210.526
load	N_1800073735	constant_power_B	1281.02	421.052	640.51	210.526
load	N_1800073735	constant_power_A_real	1281.02	0.0	640.51	0.0
load	N_1800073735	constant_power_B_real	1281.02	0.0	640.51	0.0
load	N_1800073735	constant_power_A_reac	421.052	0.0	210.526	0.0
load	N_1800073735	constant_power_B_reac	421.052	0.0	210.526	0.0
load	N_1800073738	constant_power_A	1884.12	619.28	942.06	309.64
load	N_1800073738	constant_power_B	1884.12	619.28	942.06	309.64
load	N_1800073738	constant_power_A_real	1884.12	0.0	942.06	0.0
load	N_1800073738	constant_power_B_real	1884.12	0.0	942.06	0.0
load	N_1800073738	constant_power_A_reac	619.28	0.0	309.64	0.0
load	N_1800073738	constant_power_B_reac	619.28	0.0	309.64	0.0
load	N_1800041781	constant_power_A	1016.9	334.238	508.45	167.119
load	N_1800041781	constant_power_B	1016.9	334.238	508.45	167.119
load	N_1800041781	constant_power_A_real	1016.9	0.0	508.45	0.0
load	N_1800041781	constant_power_B_real	1016.9	0.0	508.45	0.0
load	N_1800041781	constant_power_A_reac	334.238	0.0	167.119	0.0
load	N_1800041781	constant_power_B_reac	334.238	0.0	167.119	0.0
load	N_1800003744	constant_power_A	10254.1	6354.9	5127.05	3177.45
load	N_1800003744	constant_power_B	10254.1	6354.9	5127.05	3177.45
load	N_1800003744	constant_power_C	10254.1	6354.9	5127.05	3177.45
load	N_1800003744	constant_power_A_real	10254.1	0.0	5127.05	0.0
load	N_1800003744	constant_power_B_real	10254.1	0.0	5127.05	0.0
load	N_1800003744	constant_power_C_real	10254.1	0.0	5127.05	0.0
load	N_1800003744	constant_power_A_reac	6354.9	0.0	3177.45	0.0
load	N_1800003744	constant_power_B_reac	6354.9	0.0	3177.45	0.0
load	N_1800003744	constant_power_C_reac	6354.9	0.0	3177.45	0.0
load	N_1800024531	constant_power_A	1945.75	639.537	972.875	319.7685
load	N_1800024531	constant_power_A_real	1945.75	0.0	972.875	0.0
load	N_1800024531	constant_power_A_reac	639.537	0.0	319.7685	0.0
load	N_1800024280	constant_power_A	964.07	316.874	482.035	158.437
load	N_1800024280	constant_power_B	964.07	316.874	482.035	158.437
load	N_1800024280	constant_power_A_real	964.07	0.0	482.035	0.0
load	N_1800024280	constant_power_B_real	964.07	0.0	482.035	0.0
load	N_1800024280	constant_power_A_reac	316.874	0.0	158.437	0.0
load	N_1800024280	constant_power_B_reac	316.874	0.0	158.437	0.0
load	N_1800024281	constant_power_A	717.55	235.847	358.775	117.9235
load	N_1800024281	constant_power_B	717.55	235.847	358.775	117.9235
load	N_1800024281	constant_power_A_real	717.55	0.0	358.775	0.0
load	N_1800024281	constant_power_B_real	717.55	0.0	358.775	0.0
load	N_1800024281	constant_power_A_reac	235.847	0.0	117.9235	0.0
load	N_1800024281	constant_power_B_reac	235.847	0.0	117.9235	0.0
load	N_1800072483	constant_power_A	1721.24	565.744	860.62	282.872
load	N_1800072483	constant_power_B	1721.24	565.744	860.62	282.872
load	N_1800072483	constant_power_A_real	1721.24	0.0	860.62	0.0
load	N_1800072483	constant_power_B_real	1721.24	0.0	860.62	0.0
load	N_1800072483	constant_power_A_reac	565.744	0.0	282.872	0.0
load	N_1800072483	constant_power_B_reac	565.744	0.0	282.872	0.0
load	N_1800032515	constant_power_A	1192.98	392.114	596.49	196.057
load	N_1800032515	constant_power_B	1192.98	392.114	596.49	196.057
load	N_1800032515	constant_power_A_real	1192.98	0.0	596.49	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800032515	constant_power_B_real	1192.98	0.0	596.49	0.0
load	N_1800032515	constant_power_A_reac	392.114	0.0	196.057	0.0
load	N_1800032515	constant_power_B_reac	392.114	0.0	196.057	0.0
load	N_1800032517	constant_power_A	1426.3	468.8	713.15	234.4
load	N_1800032517	constant_power_B	1426.3	468.8	713.15	234.4
load	N_1800032517	constant_power_A_real	1426.3	0.0	713.15	0.0
load	N_1800032517	constant_power_B_real	1426.3	0.0	713.15	0.0
load	N_1800032517	constant_power_A_reac	468.8	0.0	234.4	0.0
load	N_1800032517	constant_power_B_reac	468.8	0.0	234.4	0.0
load	N_1800032516	constant_power_A	1034.5	340.025	517.25	170.0125
load	N_1800032516	constant_power_B	1034.5	340.025	517.25	170.0125
load	N_1800032516	constant_power_A_real	1034.5	0.0	517.25	0.0
load	N_1800032516	constant_power_B_real	1034.5	0.0	517.25	0.0
load	N_1800032516	constant_power_A_reac	340.025	0.0	170.0125	0.0
load	N_1800032516	constant_power_B_reac	340.025	0.0	170.0125	0.0
load	N_1800002983	constant_power_A	1429.23	885.757	714.615	442.8785
load	N_1800002983	constant_power_B	1429.23	885.757	714.615	442.8785
load	N_1800002983	constant_power_C	1429.23	885.757	714.615	442.8785
load	N_1800002983	constant_power_A_real	1429.23	0.0	714.615	0.0
load	N_1800002983	constant_power_B_real	1429.23	0.0	714.615	0.0
load	N_1800002983	constant_power_C_real	1429.23	0.0	714.615	0.0
load	N_1800002983	constant_power_A_reac	885.757	0.0	442.8785	0.0
load	N_1800002983	constant_power_B_reac	885.757	0.0	442.8785	0.0
load	N_1800002983	constant_power_C_reac	885.757	0.0	442.8785	0.0
load	N_1800032518	constant_power_A	1558.36	512.208	779.18	256.104
load	N_1800032518	constant_power_B	1558.36	512.208	779.18	256.104
load	N_1800032518	constant_power_A_real	1558.36	0.0	779.18	0.0
load	N_1800032518	constant_power_B_real	1558.36	0.0	779.18	0.0
load	N_1800032518	constant_power_A_reac	512.208	0.0	256.104	0.0
load	N_1800032518	constant_power_B_reac	512.208	0.0	256.104	0.0
load	N_1800070395	constant_power_A	1012.49	332.791	506.245	166.3955
load	N_1800070395	constant_power_B	1012.49	332.791	506.245	166.3955
load	N_1800070395	constant_power_A_real	1012.49	0.0	506.245	0.0
load	N_1800070395	constant_power_B_real	1012.49	0.0	506.245	0.0
load	N_1800070395	constant_power_A_reac	332.791	0.0	166.3955	0.0
load	N_1800070395	constant_power_B_reac	332.791	0.0	166.3955	0.0
load	N_1800067837	constant_power_A	5344.2	2263.95	2672.1	1131.975
load	N_1800067837	constant_power_B	5344.2	2263.95	2672.1	1131.975
load	N_1800067837	constant_power_A_real	5344.2	0.0	2672.1	0.0
load	N_1800067837	constant_power_B_real	5344.2	0.0	2672.1	0.0
load	N_1800067837	constant_power_A_reac	2263.95	0.0	1131.975	0.0
load	N_1800067837	constant_power_B_reac	2263.95	0.0	1131.975	0.0
load	N_1800070423	constant_power_A	1531.95	503.527	765.975	251.7635
load	N_1800070423	constant_power_B	1531.95	503.527	765.975	251.7635
load	N_1800070423	constant_power_C	1531.95	503.527	765.975	251.7635
load	N_1800070423	constant_power_A_real	1531.95	0.0	765.975	0.0
load	N_1800070423	constant_power_B_real	1531.95	0.0	765.975	0.0
load	N_1800070423	constant_power_C_real	1531.95	0.0	765.975	0.0
load	N_1800070423	constant_power_A_reac	503.527	0.0	251.7635	0.0
load	N_1800070423	constant_power_B_reac	503.527	0.0	251.7635	0.0
load	N_1800070423	constant_power_C_reac	503.527	0.0	251.7635	0.0
load	N_1800070421	constant_power_A	1479.12	737.296	739.56	368.648
load	N_1800070421	constant_power_B	1479.12	737.296	739.56	368.648
load	N_1800070421	constant_power_C	1479.12	737.296	739.56	368.648
load	N_1800070421	constant_power_A_real	1479.12	0.0	739.56	0.0
load	N_1800070421	constant_power_B_real	1479.12	0.0	739.56	0.0
load	N_1800070421	constant_power_C_real	1479.12	0.0	739.56	0.0
load	N_1800070421	constant_power_A_reac	737.296	0.0	368.648	0.0
load	N_1800070421	constant_power_B_reac	737.296	0.0	368.648	0.0
load	N_1800070421	constant_power_C_reac	737.296	0.0	368.648	0.0
load	N_1800070392	constant_power_A	523.855	172.183	261.9275	86.0915
load	N_1800070392	constant_power_B	523.855	172.183	261.9275	86.0915
load	N_1800070392	constant_power_A_real	523.855	0.0	261.9275	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800070392	constant_power_B_real	523.855	0.0	261.9275	0.0
load	N_1800070392	constant_power_A_reac	172.183	0.0	86.0915	0.0
load	N_1800070392	constant_power_B_reac	172.183	0.0	86.0915	0.0
load	N_1800068311	constant_power_A	3457.15	2142.55	1728.575	1071.275
load	N_1800068311	constant_power_B	3457.15	2142.55	1728.575	1071.275
load	N_1800068311	constant_power_C	3457.15	2142.55	1728.575	1071.275
load	N_1800068311	constant_power_A_real	3457.15	0.0	1728.575	0.0
load	N_1800068311	constant_power_B_real	3457.15	0.0	1728.575	0.0
load	N_1800068311	constant_power_C_real	3457.15	0.0	1728.575	0.0
load	N_1800068311	constant_power_A_reac	2142.55	0.0	1071.275	0.0
load	N_1800068311	constant_power_B_reac	2142.55	0.0	1071.275	0.0
load	N_1800068311	constant_power_C_reac	2142.55	0.0	1071.275	0.0
load	N_1800068312	constant_power_A	1936.94	636.643	968.47	318.3215
load	N_1800068312	constant_power_B	1936.94	636.643	968.47	318.3215
load	N_1800068312	constant_power_A_real	1936.94	0.0	968.47	0.0
load	N_1800068312	constant_power_B_real	1936.94	0.0	968.47	0.0
load	N_1800068312	constant_power_A_reac	636.643	0.0	318.3215	0.0
load	N_1800068312	constant_power_B_reac	636.643	0.0	318.3215	0.0
load	N_1800010462	constant_power_A	5863.66	1927.29	2931.83	963.645
load	N_1800010462	constant_power_A_real	5863.66	0.0	2931.83	0.0
load	N_1800010462	constant_power_A_reac	1927.29	0.0	963.645	0.0
load	N_1800069576	constant_power_A	1044.78	429.675	522.39	214.8375
load	N_1800069576	constant_power_B	1044.78	429.675	522.39	214.8375
load	N_1800069576	constant_power_C	1044.78	429.675	522.39	214.8375
load	N_1800069576	constant_power_A_real	1044.78	0.0	522.39	0.0
load	N_1800069576	constant_power_B_real	1044.78	0.0	522.39	0.0
load	N_1800069576	constant_power_C_real	1044.78	0.0	522.39	0.0
load	N_1800069576	constant_power_A_reac	429.675	0.0	214.8375	0.0
load	N_1800069576	constant_power_B_reac	429.675	0.0	214.8375	0.0
load	N_1800069576	constant_power_C_reac	429.675	0.0	214.8375	0.0
load	N_1800069575	constant_power_A	889.233	292.277	444.6165	146.1385
load	N_1800069575	constant_power_B	889.233	292.277	444.6165	146.1385
load	N_1800069575	constant_power_C	889.233	292.277	444.6165	146.1385
load	N_1800069575	constant_power_A_real	889.233	0.0	444.6165	0.0
load	N_1800069575	constant_power_B_real	889.233	0.0	444.6165	0.0
load	N_1800069575	constant_power_C_real	889.233	0.0	444.6165	0.0
load	N_1800069575	constant_power_A_reac	292.277	0.0	146.1385	0.0
load	N_1800069575	constant_power_B_reac	292.277	0.0	146.1385	0.0
load	N_1800069575	constant_power_C_reac	292.277	0.0	146.1385	0.0
load	N_1800188422	constant_power_A	567.877	186.652	283.9385	93.326
load	N_1800188422	constant_power_B	567.877	186.652	283.9385	93.326
load	N_1800188422	constant_power_A_real	567.877	0.0	283.9385	0.0
load	N_1800188422	constant_power_B_real	567.877	0.0	283.9385	0.0
load	N_1800188422	constant_power_A_reac	186.652	0.0	93.326	0.0
load	N_1800188422	constant_power_B_reac	186.652	0.0	93.326	0.0
load	N_1800069570	constant_power_A	305.215	100.319	152.6075	50.1595
load	N_1800069570	constant_power_B	305.215	100.319	152.6075	50.1595
load	N_1800069570	constant_power_C	305.215	100.319	152.6075	50.1595
load	N_1800069570	constant_power_A_real	305.215	0.0	152.6075	0.0
load	N_1800069570	constant_power_B_real	305.215	0.0	152.6075	0.0
load	N_1800069570	constant_power_C_real	305.215	0.0	152.6075	0.0
load	N_1800069570	constant_power_A_reac	100.319	0.0	50.1595	0.0
load	N_1800069570	constant_power_B_reac	100.319	0.0	50.1595	0.0
load	N_1800069570	constant_power_C_reac	100.319	0.0	50.1595	0.0
load	N_1800035340	constant_power_A	1263.42	415.265	631.71	207.6325
load	N_1800035340	constant_power_B	1263.42	415.265	631.71	207.6325
load	N_1800035340	constant_power_A_real	1263.42	0.0	631.71	0.0
load	N_1800035340	constant_power_B_real	1263.42	0.0	631.71	0.0
load	N_1800035340	constant_power_A_reac	415.265	0.0	207.6325	0.0
load	N_1800035340	constant_power_B_reac	415.265	0.0	207.6325	0.0
load	N_1800035343	constant_power_A	269.998	137.433	134.999	68.7165
load	N_1800035343	constant_power_B	269.998	137.433	134.999	68.7165
load	N_1800035343	constant_power_C	269.998	137.433	134.999	68.7165

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800035343	constant_power_A_real	269.998	0.0	134.999	0.0
load	N_1800035343	constant_power_B_real	269.998	0.0	134.999	0.0
load	N_1800035343	constant_power_C_real	269.998	0.0	134.999	0.0
load	N_1800035343	constant_power_A_reac	137.433	0.0	68.7165	0.0
load	N_1800035343	constant_power_B_reac	137.433	0.0	68.7165	0.0
load	N_1800035343	constant_power_C_reac	137.433	0.0	68.7165	0.0
load	N_1800035342	constant_power_A	654.452	215.108	327.226	107.554
load	N_1800035342	constant_power_B	654.452	215.108	327.226	107.554
load	N_1800035342	constant_power_C	654.452	215.108	327.226	107.554
load	N_1800035342	constant_power_A_real	654.452	0.0	327.226	0.0
load	N_1800035342	constant_power_B_real	654.452	0.0	327.226	0.0
load	N_1800035342	constant_power_C_real	654.452	0.0	327.226	0.0
load	N_1800035342	constant_power_A_reac	215.108	0.0	107.554	0.0
load	N_1800035342	constant_power_B_reac	215.108	0.0	107.554	0.0
load	N_1800035342	constant_power_C_reac	215.108	0.0	107.554	0.0
load	N_1800035345	constant_power_A	3354.43	1102.55	1677.215	551.275
load	N_1800035345	constant_power_B	3354.43	1102.55	1677.215	551.275
load	N_1800035345	constant_power_A_real	3354.43	0.0	1677.215	0.0
load	N_1800035345	constant_power_B_real	3354.43	0.0	1677.215	0.0
load	N_1800035345	constant_power_A_reac	1102.55	0.0	551.275	0.0
load	N_1800035345	constant_power_B_reac	1102.55	0.0	551.275	0.0
load	N_1800035346	constant_power_A	261.194	161.874	130.597	80.937
load	N_1800035346	constant_power_B	261.194	161.874	130.597	80.937
load	N_1800035346	constant_power_C	261.194	161.874	130.597	80.937
load	N_1800035346	constant_power_A_real	261.194	0.0	130.597	0.0
load	N_1800035346	constant_power_B_real	261.194	0.0	130.597	0.0
load	N_1800035346	constant_power_C_real	261.194	0.0	130.597	0.0
load	N_1800035346	constant_power_A_reac	161.874	0.0	80.937	0.0
load	N_1800035346	constant_power_B_reac	161.874	0.0	80.937	0.0
load	N_1800035346	constant_power_C_reac	161.874	0.0	80.937	0.0
load	N_1800071266	constant_power_A	1386.68	608.252	693.34	304.126
load	N_1800071266	constant_power_B	1386.68	608.252	693.34	304.126
load	N_1800071266	constant_power_A_real	1386.68	0.0	693.34	0.0
load	N_1800071266	constant_power_B_real	1386.68	0.0	693.34	0.0
load	N_1800071266	constant_power_A_reac	608.252	0.0	304.126	0.0
load	N_1800071266	constant_power_B_reac	608.252	0.0	304.126	0.0
load	N_1800078471	constant_power_A	721.952	237.294	360.976	118.647
load	N_1800078471	constant_power_B	721.952	237.294	360.976	118.647
load	N_1800078471	constant_power_A_real	721.952	0.0	360.976	0.0
load	N_1800078471	constant_power_B_real	721.952	0.0	360.976	0.0
load	N_1800078471	constant_power_A_reac	237.294	0.0	118.647	0.0
load	N_1800078471	constant_power_B_reac	237.294	0.0	118.647	0.0
load	N_1800068950	constant_power_A	1259.01	413.818	629.505	206.909
load	N_1800068950	constant_power_B	1259.01	413.818	629.505	206.909
load	N_1800068950	constant_power_A_real	1259.01	0.0	629.505	0.0
load	N_1800068950	constant_power_B_real	1259.01	0.0	629.505	0.0
load	N_1800068950	constant_power_A_reac	413.818	0.0	206.909	0.0
load	N_1800068950	constant_power_B_reac	413.818	0.0	206.909	0.0
load	N_1800068951	constant_power_A	1294.23	425.393	647.115	212.6965
load	N_1800068951	constant_power_B	1294.23	425.393	647.115	212.6965
load	N_1800068951	constant_power_A_real	1294.23	0.0	647.115	0.0
load	N_1800068951	constant_power_B_real	1294.23	0.0	647.115	0.0
load	N_1800068951	constant_power_A_reac	425.393	0.0	212.6965	0.0
load	N_1800068951	constant_power_B_reac	425.393	0.0	212.6965	0.0
load	N_1800071262	constant_power_A	4349.32	1429.55	2174.66	714.775
load	N_1800071262	constant_power_B	4349.32	1429.55	2174.66	714.775
load	N_1800071262	constant_power_A_real	4349.32	0.0	2174.66	0.0
load	N_1800071262	constant_power_B_real	4349.32	0.0	2174.66	0.0
load	N_1800071262	constant_power_A_reac	1429.55	0.0	714.775	0.0
load	N_1800071262	constant_power_B_reac	1429.55	0.0	714.775	0.0
load	N_1800078475	constant_power_A	268.531	133.107	134.2655	66.5535
load	N_1800078475	constant_power_B	268.531	133.107	134.2655	66.5535
load	N_1800078475	constant_power_A_real	268.531	0.0	134.2655	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800078475	constant_power_B_real	268.531	0.0	134.2655	0.0
load	N_1800078475	constant_power_A_reac	133.107	0.0	66.5535	0.0
load	N_1800078475	constant_power_B_reac	133.107	0.0	66.5535	0.0
load	N_1800071261	constant_power_A	316.955	104.178	158.4775	52.089
load	N_1800071261	constant_power_B	316.955	104.178	158.4775	52.089
load	N_1800071261	constant_power_A_real	316.955	0.0	158.4775	0.0
load	N_1800071261	constant_power_B_real	316.955	0.0	158.4775	0.0
load	N_1800071261	constant_power_A_reac	104.178	0.0	52.089	0.0
load	N_1800071261	constant_power_B_reac	104.178	0.0	52.089	0.0
load	N_1800068537	constant_power_A	3826.93	1654.2	1913.465	827.1
load	N_1800068537	constant_power_B	3826.93	1654.2	1913.465	827.1
load	N_1800068537	constant_power_C	3826.93	1654.2	1913.465	827.1
load	N_1800068537	constant_power_A_real	3826.93	0.0	1913.465	0.0
load	N_1800068537	constant_power_B_real	3826.93	0.0	1913.465	0.0
load	N_1800068537	constant_power_C_real	3826.93	0.0	1913.465	0.0
load	N_1800068537	constant_power_A_reac	1654.2	0.0	827.1	0.0
load	N_1800068537	constant_power_B_reac	1654.2	0.0	827.1	0.0
load	N_1800068537	constant_power_C_reac	1654.2	0.0	827.1	0.0
load	N_1800068958	constant_power_A	1813.68	596.129	906.84	298.0645
load	N_1800068958	constant_power_B	1813.68	596.129	906.84	298.0645
load	N_1800068958	constant_power_A_real	1813.68	0.0	906.84	0.0
load	N_1800068958	constant_power_B_real	1813.68	0.0	906.84	0.0
load	N_1800068958	constant_power_A_reac	596.129	0.0	298.0645	0.0
load	N_1800068958	constant_power_B_reac	596.129	0.0	298.0645	0.0
load	N_1800068959	constant_power_A	541.464	177.971	270.732	88.9855
load	N_1800068959	constant_power_B	541.464	177.971	270.732	88.9855
load	N_1800068959	constant_power_A_real	541.464	0.0	270.732	0.0
load	N_1800068959	constant_power_B_real	541.464	0.0	270.732	0.0
load	N_1800068959	constant_power_A_reac	177.971	0.0	88.9855	0.0
load	N_1800068959	constant_power_B_reac	177.971	0.0	88.9855	0.0
load	N_1800069792	constant_power_A	17.6087	5.78769	8.80435	2.893845
load	N_1800069792	constant_power_B	17.6087	5.78769	8.80435	2.893845
load	N_1800069792	constant_power_C	17.6087	5.78769	8.80435	2.893845
load	N_1800069792	constant_power_A_real	17.6087	0.0	8.80435	0.0
load	N_1800069792	constant_power_B_real	17.6087	0.0	8.80435	0.0
load	N_1800069792	constant_power_C_real	17.6087	0.0	8.80435	0.0
load	N_1800069792	constant_power_A_reac	5.78769	0.0	2.893845	0.0
load	N_1800069792	constant_power_B_reac	5.78769	0.0	2.893845	0.0
load	N_1800069792	constant_power_C_reac	5.78769	0.0	2.893845	0.0
load	N_1800071269	constant_power_A	2038.19	669.922	1019.095	334.961
load	N_1800071269	constant_power_B	2038.19	669.922	1019.095	334.961
load	N_1800071269	constant_power_A_real	2038.19	0.0	1019.095	0.0
load	N_1800071269	constant_power_B_real	2038.19	0.0	1019.095	0.0
load	N_1800071269	constant_power_A_reac	669.922	0.0	334.961	0.0
load	N_1800071269	constant_power_B_reac	669.922	0.0	334.961	0.0
load	N_1800071065	constant_power_A	1932.54	635.196	966.27	317.598
load	N_1800071065	constant_power_B	1932.54	635.196	966.27	317.598
load	N_1800071065	constant_power_A_real	1932.54	0.0	966.27	0.0
load	N_1800071065	constant_power_B_real	1932.54	0.0	966.27	0.0
load	N_1800071065	constant_power_A_reac	635.196	0.0	317.598	0.0
load	N_1800071065	constant_power_B_reac	635.196	0.0	317.598	0.0
load	N_1800067781	constant_power_A	1853.3	609.151	926.65	304.5755
load	N_1800067781	constant_power_B	1853.3	609.151	926.65	304.5755
load	N_1800067781	constant_power_A_real	1853.3	0.0	926.65	0.0
load	N_1800067781	constant_power_B_real	1853.3	0.0	926.65	0.0
load	N_1800067781	constant_power_A_reac	609.151	0.0	304.5755	0.0
load	N_1800067781	constant_power_B_reac	609.151	0.0	304.5755	0.0
load	N_1800067784	constant_power_A	1446.84	475.553	723.42	237.7765
load	N_1800067784	constant_power_B	1446.84	475.553	723.42	237.7765
load	N_1800067784	constant_power_C	1446.84	475.553	723.42	237.7765
load	N_1800067784	constant_power_A_real	1446.84	0.0	723.42	0.0
load	N_1800067784	constant_power_B_real	1446.84	0.0	723.42	0.0
load	N_1800067784	constant_power_C_real	1446.84	0.0	723.42	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800067784	constant_power_A_reac	475.553	0.0	237.7765	0.0
load	N_1800067784	constant_power_B_reac	475.553	0.0	237.7765	0.0
load	N_1800067784	constant_power_C_reac	475.553	0.0	237.7765	0.0
load	N_1800067785	constant_power_A	1690.42	555.615	845.21	277.8075
load	N_1800067785	constant_power_B	1690.42	555.615	845.21	277.8075
load	N_1800067785	constant_power_A_real	1690.42	0.0	845.21	0.0
load	N_1800067785	constant_power_B_real	1690.42	0.0	845.21	0.0
load	N_1800067785	constant_power_A_reac	555.615	0.0	277.8075	0.0
load	N_1800067785	constant_power_B_reac	555.615	0.0	277.8075	0.0
load	N_1800041336	constant_power_A	10767.6	3539.16	5383.8	1769.58
load	N_1800041336	constant_power_A_real	10767.6	0.0	5383.8	0.0
load	N_1800041336	constant_power_A_reac	3539.16	0.0	1769.58	0.0
load	N_1800041335	constant_power_A	4094.0	1345.63	2047.0	672.815
load	N_1800041335	constant_power_A_real	4094.0	0.0	2047.0	0.0
load	N_1800041335	constant_power_A_reac	1345.63	0.0	672.815	0.0
load	N_1800026701	constant_power_A	1179.78	387.773	589.89	193.8865
load	N_1800026701	constant_power_B	1179.78	387.773	589.89	193.8865
load	N_1800026701	constant_power_A_real	1179.78	0.0	589.89	0.0
load	N_1800026701	constant_power_B_real	1179.78	0.0	589.89	0.0
load	N_1800026701	constant_power_A_reac	387.773	0.0	193.8865	0.0
load	N_1800026701	constant_power_B_reac	387.773	0.0	193.8865	0.0
load	N_1800039443	constant_power_A	1769.66	581.66	884.83	290.83
load	N_1800039443	constant_power_B	1769.66	581.66	884.83	290.83
load	N_1800039443	constant_power_A_real	1769.66	0.0	884.83	0.0
load	N_1800039443	constant_power_B_real	1769.66	0.0	884.83	0.0
load	N_1800039443	constant_power_A_reac	581.66	0.0	290.83	0.0
load	N_1800039443	constant_power_B_reac	581.66	0.0	290.83	0.0
load	N_1800068552	constant_power_A	1298.63	426.84	649.315	213.42
load	N_1800068552	constant_power_B	1298.63	426.84	649.315	213.42
load	N_1800068552	constant_power_A_real	1298.63	0.0	649.315	0.0
load	N_1800068552	constant_power_B_real	1298.63	0.0	649.315	0.0
load	N_1800068552	constant_power_A_reac	426.84	0.0	213.42	0.0
load	N_1800068552	constant_power_B_reac	426.84	0.0	213.42	0.0
load	N_1800068551	constant_power_A	4190.84	1377.46	2095.42	688.73
load	N_1800068551	constant_power_B	4190.84	1377.46	2095.42	688.73
load	N_1800068551	constant_power_A_real	4190.84	0.0	2095.42	0.0
load	N_1800068551	constant_power_B_real	4190.84	0.0	2095.42	0.0
load	N_1800068551	constant_power_A_reac	1377.46	0.0	688.73	0.0
load	N_1800068551	constant_power_B_reac	1377.46	0.0	688.73	0.0
load	N_1800068407	constant_power_A	10359.7	6420.38	5179.85	3210.19
load	N_1800068407	constant_power_B	10359.7	6420.38	5179.85	3210.19
load	N_1800068407	constant_power_C	10359.7	6420.38	5179.85	3210.19
load	N_1800068407	constant_power_A_real	10359.7	0.0	5179.85	0.0
load	N_1800068407	constant_power_B_real	10359.7	0.0	5179.85	0.0
load	N_1800068407	constant_power_C_real	10359.7	0.0	5179.85	0.0
load	N_1800068407	constant_power_A_reac	6420.38	0.0	3210.19	0.0
load	N_1800068407	constant_power_B_reac	6420.38	0.0	3210.19	0.0
load	N_1800068407	constant_power_C_reac	6420.38	0.0	3210.19	0.0
load	N_1800071463	constant_power_A	334.563	207.344	167.2815	103.672
load	N_1800071463	constant_power_B	334.563	207.344	167.2815	103.672
load	N_1800071463	constant_power_A_real	334.563	0.0	167.2815	0.0
load	N_1800071463	constant_power_B_real	334.563	0.0	167.2815	0.0
load	N_1800071463	constant_power_A_reac	207.344	0.0	103.672	0.0
load	N_1800071463	constant_power_B_reac	207.344	0.0	103.672	0.0
load	N_1800071465	constant_power_A	14.6737	9.09392	7.33685	4.54696
load	N_1800071465	constant_power_B	14.6737	9.09392	7.33685	4.54696
load	N_1800071465	constant_power_C	14.6737	9.09392	7.33685	4.54696
load	N_1800071465	constant_power_A_real	14.6737	0.0	7.33685	0.0
load	N_1800071465	constant_power_B_real	14.6737	0.0	7.33685	0.0
load	N_1800071465	constant_power_C_real	14.6737	0.0	7.33685	0.0
load	N_1800071465	constant_power_A_reac	9.09392	0.0	4.54696	0.0
load	N_1800071465	constant_power_B_reac	9.09392	0.0	4.54696	0.0
load	N_1800071465	constant_power_C_reac	9.09392	0.0	4.54696	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800079051	constant_power_A	23704.1	14690.5	11852.05	7345.25
load	N_1800079051	constant_power_B	23704.1	14690.5	11852.05	7345.25
load	N_1800079051	constant_power_C	23704.1	14690.5	11852.05	7345.25
load	N_1800079051	constant_power_A_real	23704.1	0.0	11852.05	0.0
load	N_1800079051	constant_power_B_real	23704.1	0.0	11852.05	0.0
load	N_1800079051	constant_power_C_real	23704.1	0.0	11852.05	0.0
load	N_1800079051	constant_power_A_reac	14690.5	0.0	7345.25	0.0
load	N_1800079051	constant_power_B_reac	14690.5	0.0	7345.25	0.0
load	N_1800079051	constant_power_C_reac	14690.5	0.0	7345.25	0.0
load	N_1800019705	constant_power_A	1470.32	483.27	735.16	241.635
load	N_1800019705	constant_power_B	1470.32	483.27	735.16	241.635
load	N_1800019705	constant_power_A_real	1470.32	0.0	735.16	0.0
load	N_1800019705	constant_power_B_real	1470.32	0.0	735.16	0.0
load	N_1800019705	constant_power_A_reac	483.27	0.0	241.635	0.0
load	N_1800019705	constant_power_B_reac	483.27	0.0	241.635	0.0
load	N_1800069837	constant_power_A	3248.78	1067.82	1624.39	533.91
load	N_1800069837	constant_power_B	3248.78	1067.82	1624.39	533.91
load	N_1800069837	constant_power_A_real	3248.78	0.0	1624.39	0.0
load	N_1800069837	constant_power_B_real	3248.78	0.0	1624.39	0.0
load	N_1800069837	constant_power_A_reac	1067.82	0.0	533.91	0.0
load	N_1800069837	constant_power_B_reac	1067.82	0.0	533.91	0.0
load	N_1800037323	constant_power_A	9926.84	3262.79	4963.42	1631.395
load	N_1800037323	constant_power_B	9926.84	3262.79	4963.42	1631.395
load	N_1800037323	constant_power_A_real	9926.84	0.0	4963.42	0.0
load	N_1800037323	constant_power_B_real	9926.84	0.0	4963.42	0.0
load	N_1800037323	constant_power_A_reac	3262.79	0.0	1631.395	0.0
load	N_1800037323	constant_power_B_reac	3262.79	0.0	1631.395	0.0
load	N_1800022285	constant_power_A	724.887	238.259	362.4435	119.1295
load	N_1800022285	constant_power_B	724.887	238.259	362.4435	119.1295
load	N_1800022285	constant_power_C	724.887	238.259	362.4435	119.1295
load	N_1800022285	constant_power_A_real	724.887	0.0	362.4435	0.0
load	N_1800022285	constant_power_B_real	724.887	0.0	362.4435	0.0
load	N_1800022285	constant_power_C_real	724.887	0.0	362.4435	0.0
load	N_1800022285	constant_power_A_reac	238.259	0.0	119.1295	0.0
load	N_1800022285	constant_power_B_reac	238.259	0.0	119.1295	0.0
load	N_1800022285	constant_power_C_reac	238.259	0.0	119.1295	0.0
load	N_1800024186	constant_power_A	1008.09	331.343	504.045	165.6715
load	N_1800024186	constant_power_B	1008.09	331.343	504.045	165.6715
load	N_1800024186	constant_power_A_real	1008.09	0.0	504.045	0.0
load	N_1800024186	constant_power_B_real	1008.09	0.0	504.045	0.0
load	N_1800024186	constant_power_A_reac	331.343	0.0	165.6715	0.0
load	N_1800024186	constant_power_B_reac	331.343	0.0	165.6715	0.0
load	N_1800072962	constant_power_A	2804.17	921.685	1402.085	460.8425
load	N_1800072962	constant_power_B	2804.17	921.685	1402.085	460.8425
load	N_1800072962	constant_power_A_real	2804.17	0.0	1402.085	0.0
load	N_1800072962	constant_power_B_real	2804.17	0.0	1402.085	0.0
load	N_1800072962	constant_power_A_reac	921.685	0.0	460.8425	0.0
load	N_1800072962	constant_power_B_reac	921.685	0.0	460.8425	0.0
load	N_1800079459	constant_power_A	648.583	401.956	324.2915	200.978
load	N_1800079459	constant_power_B	648.583	401.956	324.2915	200.978
load	N_1800079459	constant_power_C	648.583	401.956	324.2915	200.978
load	N_1800079459	constant_power_A_real	648.583	0.0	324.2915	0.0
load	N_1800079459	constant_power_B_real	648.583	0.0	324.2915	0.0
load	N_1800079459	constant_power_C_real	648.583	0.0	324.2915	0.0
load	N_1800079459	constant_power_A_reac	401.956	0.0	200.978	0.0
load	N_1800079459	constant_power_B_reac	401.956	0.0	200.978	0.0
load	N_1800079459	constant_power_C_reac	401.956	0.0	200.978	0.0
load	N_1800073144	constant_power_A	2879.0	946.283	1439.5	473.1415
load	N_1800073144	constant_power_B	2879.0	946.283	1439.5	473.1415
load	N_1800073144	constant_power_A_real	2879.0	0.0	1439.5	0.0
load	N_1800073144	constant_power_B_real	2879.0	0.0	1439.5	0.0
load	N_1800073144	constant_power_A_reac	946.283	0.0	473.1415	0.0
load	N_1800073144	constant_power_B_reac	946.283	0.0	473.1415	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800021957	constant_power_A	4648.67	2880.98	2324.335	1440.49
load	N_1800021957	constant_power_B	4648.67	2880.98	2324.335	1440.49
load	N_1800021957	constant_power_C	4648.67	2880.98	2324.335	1440.49
load	N_1800021957	constant_power_A_real	4648.67	0.0	2324.335	0.0
load	N_1800021957	constant_power_B_real	4648.67	0.0	2324.335	0.0
load	N_1800021957	constant_power_C_real	4648.67	0.0	2324.335	0.0
load	N_1800021957	constant_power_A_reac	2880.98	0.0	1440.49	0.0
load	N_1800021957	constant_power_B_reac	2880.98	0.0	1440.49	0.0
load	N_1800021957	constant_power_C_reac	2880.98	0.0	1440.49	0.0
load	N_1800021956	constant_power_A	1581.84	519.925	790.92	259.9625
load	N_1800021956	constant_power_B	1581.84	519.925	790.92	259.9625
load	N_1800021956	constant_power_C	1581.84	519.925	790.92	259.9625
load	N_1800021956	constant_power_A_real	1581.84	0.0	790.92	0.0
load	N_1800021956	constant_power_B_real	1581.84	0.0	790.92	0.0
load	N_1800021956	constant_power_C_real	1581.84	0.0	790.92	0.0
load	N_1800021956	constant_power_A_reac	519.925	0.0	259.9625	0.0
load	N_1800021956	constant_power_B_reac	519.925	0.0	259.9625	0.0
load	N_1800021956	constant_power_C_reac	519.925	0.0	259.9625	0.0
load	N_1800069924	constant_power_A	1153.36	379.092	576.68	189.546
load	N_1800069924	constant_power_B	1153.36	379.092	576.68	189.546
load	N_1800069924	constant_power_A_real	1153.36	0.0	576.68	0.0
load	N_1800069924	constant_power_B_real	1153.36	0.0	576.68	0.0
load	N_1800069924	constant_power_A_reac	379.092	0.0	189.546	0.0
load	N_1800069924	constant_power_B_reac	379.092	0.0	189.546	0.0
load	N_1800069834	constant_power_A	5898.88	1938.87	2949.44	969.435
load	N_1800069834	constant_power_B	5898.88	1938.87	2949.44	969.435
load	N_1800069834	constant_power_A_real	5898.88	0.0	2949.44	0.0
load	N_1800069834	constant_power_B_real	5898.88	0.0	2949.44	0.0
load	N_1800069834	constant_power_A_reac	1938.87	0.0	969.435	0.0
load	N_1800069834	constant_power_B_reac	1938.87	0.0	969.435	0.0
load	N_1800021952	constant_power_A	2795.36	918.791	1397.68	459.3955
load	N_1800021952	constant_power_B	2795.36	918.791	1397.68	459.3955
load	N_1800021952	constant_power_A_real	2795.36	0.0	1397.68	0.0
load	N_1800021952	constant_power_B_real	2795.36	0.0	1397.68	0.0
load	N_1800021952	constant_power_A_reac	918.791	0.0	459.3955	0.0
load	N_1800021952	constant_power_B_reac	918.791	0.0	459.3955	0.0
load	N_1800069406	constant_power_A	1263.42	415.265	631.71	207.6325
load	N_1800069406	constant_power_C	1263.42	415.265	631.71	207.6325
load	N_1800069406	constant_power_A_real	1263.42	0.0	631.71	0.0
load	N_1800069406	constant_power_C_real	1263.42	0.0	631.71	0.0
load	N_1800069406	constant_power_A_reac	415.265	0.0	207.6325	0.0
load	N_1800069406	constant_power_C_reac	415.265	0.0	207.6325	0.0
load	N_1800069405	constant_power_A	1875.31	616.386	937.655	308.193
load	N_1800069405	constant_power_C	1875.31	616.386	937.655	308.193
load	N_1800069405	constant_power_A_real	1875.31	0.0	937.655	0.0
load	N_1800069405	constant_power_C_real	1875.31	0.0	937.655	0.0
load	N_1800069405	constant_power_A_reac	616.386	0.0	308.193	0.0
load	N_1800069405	constant_power_C_reac	616.386	0.0	308.193	0.0
load	N_1800069404	constant_power_A	2751.34	904.322	1375.67	452.161
load	N_1800069404	constant_power_C	2751.34	904.322	1375.67	452.161
load	N_1800069404	constant_power_A_real	2751.34	0.0	1375.67	0.0
load	N_1800069404	constant_power_C_real	2751.34	0.0	1375.67	0.0
load	N_1800069404	constant_power_A_reac	904.322	0.0	452.161	0.0
load	N_1800069404	constant_power_C_reac	904.322	0.0	452.161	0.0
load	N_1800069402	constant_power_A	836.408	274.914	418.204	137.457
load	N_1800069402	constant_power_C	836.408	274.914	418.204	137.457
load	N_1800069402	constant_power_A_real	836.408	0.0	418.204	0.0
load	N_1800069402	constant_power_C_real	836.408	0.0	418.204	0.0
load	N_1800069402	constant_power_A_reac	274.914	0.0	137.457	0.0
load	N_1800069402	constant_power_C_reac	274.914	0.0	137.457	0.0
load	N_1800069523	constant_power_A	1113.74	366.07	556.87	183.035
load	N_1800069523	constant_power_B	1113.74	366.07	556.87	183.035
load	N_1800069523	constant_power_A_real	1113.74	0.0	556.87	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069523	constant_power_B_real	1113.74	0.0	556.87	0.0
load	N_1800069523	constant_power_A_reac	366.07	0.0	183.035	0.0
load	N_1800069523	constant_power_B_reac	366.07	0.0	183.035	0.0
load	N_1800069835	constant_power_A	1038.91	341.472	519.455	170.736
load	N_1800069835	constant_power_B	1038.91	341.472	519.455	170.736
load	N_1800069835	constant_power_A_real	1038.91	0.0	519.455	0.0
load	N_1800069835	constant_power_B_real	1038.91	0.0	519.455	0.0
load	N_1800069835	constant_power_A_reac	341.472	0.0	170.736	0.0
load	N_1800069835	constant_power_B_reac	341.472	0.0	170.736	0.0
load	N_1800067533	constant_power_A	347.77	114.306	173.885	57.153
load	N_1800067533	constant_power_B	347.77	114.306	173.885	57.153
load	N_1800067533	constant_power_A_real	347.77	0.0	173.885	0.0
load	N_1800067533	constant_power_B_real	347.77	0.0	173.885	0.0
load	N_1800067533	constant_power_A_reac	114.306	0.0	57.153	0.0
load	N_1800067533	constant_power_B_reac	114.306	0.0	57.153	0.0
load	N_1800067532	constant_power_A	466.627	153.373	233.3135	76.6865
load	N_1800067532	constant_power_B	466.627	153.373	233.3135	76.6865
load	N_1800067532	constant_power_A_real	466.627	0.0	233.3135	0.0
load	N_1800067532	constant_power_B_real	466.627	0.0	233.3135	0.0
load	N_1800067532	constant_power_A_reac	153.373	0.0	76.6865	0.0
load	N_1800067532	constant_power_B_reac	153.373	0.0	76.6865	0.0
load	N_1800067535	constant_power_A	189.292	117.313	94.646	58.6565
load	N_1800067535	constant_power_B	189.292	117.313	94.646	58.6565
load	N_1800067535	constant_power_A_real	189.292	0.0	94.646	0.0
load	N_1800067535	constant_power_B_real	189.292	0.0	94.646	0.0
load	N_1800067535	constant_power_A_reac	117.313	0.0	58.6565	0.0
load	N_1800067535	constant_power_B_reac	117.313	0.0	58.6565	0.0
load	N_1800067537	constant_power_A	2363.95	776.993	1181.975	388.4965
load	N_1800067537	constant_power_B	2363.95	776.993	1181.975	388.4965
load	N_1800067537	constant_power_A_real	2363.95	0.0	1181.975	0.0
load	N_1800067537	constant_power_B_real	2363.95	0.0	1181.975	0.0
load	N_1800067537	constant_power_A_reac	776.993	0.0	388.4965	0.0
load	N_1800067537	constant_power_B_reac	776.993	0.0	388.4965	0.0
load	N_1800067536	constant_power_A	721.952	237.294	360.976	118.647
load	N_1800067536	constant_power_B	721.952	237.294	360.976	118.647
load	N_1800067536	constant_power_A_real	721.952	0.0	360.976	0.0
load	N_1800067536	constant_power_B_real	721.952	0.0	360.976	0.0
load	N_1800067536	constant_power_A_reac	237.294	0.0	118.647	0.0
load	N_1800067536	constant_power_B_reac	237.294	0.0	118.647	0.0
load	N_1800067539	constant_power_A	2284.71	750.949	1142.355	375.4745
load	N_1800067539	constant_power_B	2284.71	750.949	1142.355	375.4745
load	N_1800067539	constant_power_A_real	2284.71	0.0	1142.355	0.0
load	N_1800067539	constant_power_B_real	2284.71	0.0	1142.355	0.0
load	N_1800067539	constant_power_A_reac	750.949	0.0	375.4745	0.0
load	N_1800067539	constant_power_B_reac	750.949	0.0	375.4745	0.0
load	N_1800071110	constant_power_A	2812.97	924.579	1406.485	462.2895
load	N_1800071110	constant_power_B	2812.97	924.579	1406.485	462.2895
load	N_1800071110	constant_power_A_real	2812.97	0.0	1406.485	0.0
load	N_1800071110	constant_power_B_real	2812.97	0.0	1406.485	0.0
load	N_1800071110	constant_power_A_reac	924.579	0.0	462.2895	0.0
load	N_1800071110	constant_power_B_reac	924.579	0.0	462.2895	0.0
load	N_1800061797	constant_power_A	22333.3	13841.0	11166.65	6920.5
load	N_1800061797	constant_power_B	22333.3	13841.0	11166.65	6920.5
load	N_1800061797	constant_power_C	22333.3	13841.0	11166.65	6920.5
load	N_1800061797	constant_power_A_real	22333.3	0.0	11166.65	0.0
load	N_1800061797	constant_power_B_real	22333.3	0.0	11166.65	0.0
load	N_1800061797	constant_power_C_real	22333.3	0.0	11166.65	0.0
load	N_1800061797	constant_power_A_reac	13841.0	0.0	6920.5	0.0
load	N_1800061797	constant_power_B_reac	13841.0	0.0	6920.5	0.0
load	N_1800061797	constant_power_C_reac	13841.0	0.0	6920.5	0.0
load	N_1800069926	constant_power_A	6193.82	3209.47	3096.91	1604.735
load	N_1800069926	constant_power_B	6193.82	3209.47	3096.91	1604.735
load	N_1800069926	constant_power_A_real	6193.82	0.0	3096.91	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800069926	constant_power_B_real	6193.82	0.0	3096.91	0.0
load	N_1800069926	constant_power_A_reac	3209.47	0.0	1604.735	0.0
load	N_1800069926	constant_power_B_reac	3209.47	0.0	1604.735	0.0
load	N_1800070379	constant_power_A	1008.09	331.343	504.045	165.6715
load	N_1800070379	constant_power_B	1008.09	331.343	504.045	165.6715
load	N_1800070379	constant_power_A_real	1008.09	0.0	504.045	0.0
load	N_1800070379	constant_power_B_real	1008.09	0.0	504.045	0.0
load	N_1800070379	constant_power_A_reac	331.343	0.0	165.6715	0.0
load	N_1800070379	constant_power_B_reac	331.343	0.0	165.6715	0.0
load	N_1800068045	constant_power_A	1452.71	604.33	726.355	302.165
load	N_1800068045	constant_power_B	1452.71	604.33	726.355	302.165
load	N_1800068045	constant_power_A_real	1452.71	0.0	726.355	0.0
load	N_1800068045	constant_power_B_real	1452.71	0.0	726.355	0.0
load	N_1800068045	constant_power_A_reac	604.33	0.0	302.165	0.0
load	N_1800068045	constant_power_B_reac	604.33	0.0	302.165	0.0
load	N_1800068046	constant_power_A	1430.7	470.247	715.35	235.1235
load	N_1800068046	constant_power_B	1430.7	470.247	715.35	235.1235
load	N_1800068046	constant_power_A_real	1430.7	0.0	715.35	0.0
load	N_1800068046	constant_power_B_real	1430.7	0.0	715.35	0.0
load	N_1800068046	constant_power_A_reac	470.247	0.0	235.1235	0.0
load	N_1800068046	constant_power_B_reac	470.247	0.0	235.1235	0.0
load	N_1800068047	constant_power_A	224.509	73.7925	112.2545	36.89625
load	N_1800068047	constant_power_B	224.509	73.7925	112.2545	36.89625
load	N_1800068047	constant_power_A_real	224.509	0.0	112.2545	0.0
load	N_1800068047	constant_power_B_real	224.509	0.0	112.2545	0.0
load	N_1800068047	constant_power_A_reac	73.7925	0.0	36.89625	0.0
load	N_1800068047	constant_power_B_reac	73.7925	0.0	36.89625	0.0
load	N_1800068043	constant_power_A	427.008	140.351	213.504	70.1755
load	N_1800068043	constant_power_B	427.008	140.351	213.504	70.1755
load	N_1800068043	constant_power_A_real	427.008	0.0	213.504	0.0
load	N_1800068043	constant_power_B_real	427.008	0.0	213.504	0.0
load	N_1800068043	constant_power_A_reac	140.351	0.0	70.1755	0.0
load	N_1800068043	constant_power_B_reac	140.351	0.0	70.1755	0.0
load	N_1800020993	constant_power_A	454.888	149.515	227.444	74.7575
load	N_1800020993	constant_power_B	454.888	149.515	227.444	74.7575
load	N_1800020993	constant_power_C	454.888	149.515	227.444	74.7575
load	N_1800020993	constant_power_A_real	454.888	0.0	227.444	0.0
load	N_1800020993	constant_power_B_real	454.888	0.0	227.444	0.0
load	N_1800020993	constant_power_C_real	454.888	0.0	227.444	0.0
load	N_1800020993	constant_power_A_reac	149.515	0.0	74.7575	0.0
load	N_1800020993	constant_power_B_reac	149.515	0.0	74.7575	0.0
load	N_1800020993	constant_power_C_reac	149.515	0.0	74.7575	0.0
load	N_1800035986	constant_power_A	1170.97	384.88	585.485	192.44
load	N_1800035986	constant_power_B	1170.97	384.88	585.485	192.44
load	N_1800035986	constant_power_A_real	1170.97	0.0	585.485	0.0
load	N_1800035986	constant_power_B_real	1170.97	0.0	585.485	0.0
load	N_1800035986	constant_power_A_reac	384.88	0.0	192.44	0.0
load	N_1800035986	constant_power_B_reac	384.88	0.0	192.44	0.0
load	N_1800035982	constant_power_A	2570.85	844.999	1285.425	422.4995
load	N_1800035982	constant_power_B	2570.85	844.999	1285.425	422.4995
load	N_1800035982	constant_power_A_real	2570.85	0.0	1285.425	0.0
load	N_1800035982	constant_power_B_real	2570.85	0.0	1285.425	0.0
load	N_1800035982	constant_power_A_reac	844.999	0.0	422.4995	0.0
load	N_1800035982	constant_power_B_reac	844.999	0.0	422.4995	0.0
load	N_1800035981	constant_power_A	1567.16	515.102	783.58	257.551
load	N_1800035981	constant_power_B	1567.16	515.102	783.58	257.551
load	N_1800035981	constant_power_A_real	1567.16	0.0	783.58	0.0
load	N_1800035981	constant_power_B_real	1567.16	0.0	783.58	0.0
load	N_1800035981	constant_power_A_reac	515.102	0.0	257.551	0.0
load	N_1800035981	constant_power_B_reac	515.102	0.0	257.551	0.0
load	N_1800035980	constant_power_A	3953.13	1299.33	1976.565	649.665
load	N_1800035980	constant_power_B	3953.13	1299.33	1976.565	649.665
load	N_1800035980	constant_power_A_real	3953.13	0.0	1976.565	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800035980	constant_power_B_real	3953.13	0.0	1976.565	0.0
load	N_1800035980	constant_power_A_reac	1299.33	0.0	649.665	0.0
load	N_1800035980	constant_power_B_reac	1299.33	0.0	649.665	0.0
load	N_1800037101	constant_power_A	1677.22	551.275	838.61	275.6375
load	N_1800037101	constant_power_B	1677.22	551.275	838.61	275.6375
load	N_1800037101	constant_power_A_real	1677.22	0.0	838.61	0.0
load	N_1800037101	constant_power_B_real	1677.22	0.0	838.61	0.0
load	N_1800037101	constant_power_A_reac	551.275	0.0	275.6375	0.0
load	N_1800037101	constant_power_B_reac	551.275	0.0	275.6375	0.0
load	N_1800037100	constant_power_A	2179.06	716.223	1089.53	358.1115
load	N_1800037100	constant_power_B	2179.06	716.223	1089.53	358.1115
load	N_1800037100	constant_power_A_real	2179.06	0.0	1089.53	0.0
load	N_1800037100	constant_power_B_real	2179.06	0.0	1089.53	0.0
load	N_1800037100	constant_power_A_reac	716.223	0.0	358.1115	0.0
load	N_1800037100	constant_power_B_reac	716.223	0.0	358.1115	0.0
load	N_1800037103	constant_power_A	1747.65	574.425	873.825	287.2125
load	N_1800037103	constant_power_B	1747.65	574.425	873.825	287.2125
load	N_1800037103	constant_power_A_real	1747.65	0.0	873.825	0.0
load	N_1800037103	constant_power_B_real	1747.65	0.0	873.825	0.0
load	N_1800037103	constant_power_A_reac	574.425	0.0	287.2125	0.0
load	N_1800037103	constant_power_B_reac	574.425	0.0	287.2125	0.0
load	N_1800037102	constant_power_A	6876.15	2260.08	3438.075	1130.04
load	N_1800037102	constant_power_B	6876.15	2260.08	3438.075	1130.04
load	N_1800037102	constant_power_A_real	6876.15	0.0	3438.075	0.0
load	N_1800037102	constant_power_B_real	6876.15	0.0	3438.075	0.0
load	N_1800037102	constant_power_A_reac	2260.08	0.0	1130.04	0.0
load	N_1800037102	constant_power_B_reac	2260.08	0.0	1130.04	0.0
load	N_1800037104	constant_power_A	1853.3	609.151	926.65	304.5755
load	N_1800037104	constant_power_B	1853.3	609.151	926.65	304.5755
load	N_1800037104	constant_power_A_real	1853.3	0.0	926.65	0.0
load	N_1800037104	constant_power_B_real	1853.3	0.0	926.65	0.0
load	N_1800037104	constant_power_A_reac	609.151	0.0	304.5755	0.0
load	N_1800037104	constant_power_B_reac	609.151	0.0	304.5755	0.0
load	N_1800070890	constant_power_A	1936.94	1200.41	968.47	600.205
load	N_1800070890	constant_power_B	1936.94	1200.41	968.47	600.205
load	N_1800070890	constant_power_A_real	1936.94	0.0	968.47	0.0
load	N_1800070890	constant_power_B_real	1936.94	0.0	968.47	0.0
load	N_1800070890	constant_power_A_reac	1200.41	0.0	600.205	0.0
load	N_1800070890	constant_power_B_reac	1200.41	0.0	600.205	0.0
load	N_1800037926	constant_power_A	4080.79	1341.29	2040.395	670.645
load	N_1800037926	constant_power_B	4080.79	1341.29	2040.395	670.645
load	N_1800037926	constant_power_A_real	4080.79	0.0	2040.395	0.0
load	N_1800037926	constant_power_B_real	4080.79	0.0	2040.395	0.0
load	N_1800037926	constant_power_A_reac	1341.29	0.0	670.645	0.0
load	N_1800037926	constant_power_B_reac	1341.29	0.0	670.645	0.0
load	N_1800037925	constant_power_A	2553.24	839.211	1276.62	419.6055
load	N_1800037925	constant_power_B	2553.24	839.211	1276.62	419.6055
load	N_1800037925	constant_power_A_real	2553.24	0.0	1276.62	0.0
load	N_1800037925	constant_power_B_real	2553.24	0.0	1276.62	0.0
load	N_1800037925	constant_power_A_reac	839.211	0.0	419.6055	0.0
load	N_1800037925	constant_power_B_reac	839.211	0.0	419.6055	0.0
load	N_1800027894	constant_power_A	1619.99	532.465	809.995	266.2325
load	N_1800027894	constant_power_B	1619.99	532.465	809.995	266.2325
load	N_1800027894	constant_power_C	1619.99	532.465	809.995	266.2325
load	N_1800027894	constant_power_A_real	1619.99	0.0	809.995	0.0
load	N_1800027894	constant_power_B_real	1619.99	0.0	809.995	0.0
load	N_1800027894	constant_power_C_real	1619.99	0.0	809.995	0.0
load	N_1800027894	constant_power_A_reac	532.465	0.0	266.2325	0.0
load	N_1800027894	constant_power_B_reac	532.465	0.0	266.2325	0.0
load	N_1800027894	constant_power_C_reac	532.465	0.0	266.2325	0.0
load	N_1800061801	constant_power_A	10917.3	6765.95	5458.65	3382.975
load	N_1800061801	constant_power_B	10917.3	6765.95	5458.65	3382.975
load	N_1800061801	constant_power_C	10917.3	6765.95	5458.65	3382.975

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800061801	constant_power_A_real	10917.3	0.0	5458.65	0.0
load	N_1800061801	constant_power_B_real	10917.3	0.0	5458.65	0.0
load	N_1800061801	constant_power_C_real	10917.3	0.0	5458.65	0.0
load	N_1800061801	constant_power_A_reac	6765.95	0.0	3382.975	0.0
load	N_1800061801	constant_power_B_reac	6765.95	0.0	3382.975	0.0
load	N_1800061801	constant_power_C_reac	6765.95	0.0	3382.975	0.0
load	N_1800000310	constant_power_A	4556.22	1497.56	2278.11	748.78
load	N_1800000310	constant_power_B	4556.22	1497.56	2278.11	748.78
load	N_1800000310	constant_power_A_real	4556.22	0.0	2278.11	0.0
load	N_1800000310	constant_power_B_real	4556.22	0.0	2278.11	0.0
load	N_1800000310	constant_power_A_reac	1497.56	0.0	748.78	0.0
load	N_1800000310	constant_power_B_reac	1497.56	0.0	748.78	0.0
load	N_1800073280	constant_power_A	1358.8	446.615	679.4	223.3075
load	N_1800073280	constant_power_B	1358.8	446.615	679.4	223.3075
load	N_1800073280	constant_power_C	1358.8	446.615	679.4	223.3075
load	N_1800073280	constant_power_A_real	1358.8	0.0	679.4	0.0
load	N_1800073280	constant_power_B_real	1358.8	0.0	679.4	0.0
load	N_1800073280	constant_power_C_real	1358.8	0.0	679.4	0.0
load	N_1800073280	constant_power_A_reac	446.615	0.0	223.3075	0.0
load	N_1800073280	constant_power_B_reac	446.615	0.0	223.3075	0.0
load	N_1800073280	constant_power_C_reac	446.615	0.0	223.3075	0.0
load	N_1800070010	constant_power_A	44.021	14.469	22.0105	7.2345
load	N_1800070010	constant_power_B	44.021	14.469	22.0105	7.2345
load	N_1800070010	constant_power_A_real	44.021	0.0	22.0105	0.0
load	N_1800070010	constant_power_B_real	44.021	0.0	22.0105	0.0
load	N_1800070010	constant_power_A_reac	14.469	0.0	7.2345	0.0
load	N_1800070010	constant_power_B_reac	14.469	0.0	7.2345	0.0
load	N_1800067318	constant_power_A	783.582	257.551	391.791	128.7755
load	N_1800067318	constant_power_B	783.582	257.551	391.791	128.7755
load	N_1800067318	constant_power_A_real	783.582	0.0	391.791	0.0
load	N_1800067318	constant_power_B_real	783.582	0.0	391.791	0.0
load	N_1800067318	constant_power_A_reac	257.551	0.0	128.7755	0.0
load	N_1800067318	constant_power_B_reac	257.551	0.0	128.7755	0.0
load	N_1800067311	constant_power_A	243.585	150.961	121.7925	75.4805
load	N_1800067311	constant_power_B	243.585	150.961	121.7925	75.4805
load	N_1800067311	constant_power_C	243.585	150.961	121.7925	75.4805
load	N_1800067311	constant_power_A_real	243.585	0.0	121.7925	0.0
load	N_1800067311	constant_power_B_real	243.585	0.0	121.7925	0.0
load	N_1800067311	constant_power_C_real	243.585	0.0	121.7925	0.0
load	N_1800067311	constant_power_A_reac	150.961	0.0	75.4805	0.0
load	N_1800067311	constant_power_B_reac	150.961	0.0	75.4805	0.0
load	N_1800067311	constant_power_C_reac	150.961	0.0	75.4805	0.0
load	N_1800067368	constant_power_A	832.006	273.467	416.003	136.7335
load	N_1800067368	constant_power_B	832.006	273.467	416.003	136.7335
load	N_1800067368	constant_power_A_real	832.006	0.0	416.003	0.0
load	N_1800067368	constant_power_B_real	832.006	0.0	416.003	0.0
load	N_1800067368	constant_power_A_reac	273.467	0.0	136.7335	0.0
load	N_1800067368	constant_power_B_reac	273.467	0.0	136.7335	0.0
load	N_1800043088	constant_power_A	1179.78	387.773	589.89	193.8865
load	N_1800043088	constant_power_B	1179.78	387.773	589.89	193.8865
load	N_1800043088	constant_power_C	1179.78	387.773	589.89	193.8865
load	N_1800043088	constant_power_A_real	1179.78	0.0	589.89	0.0
load	N_1800043088	constant_power_B_real	1179.78	0.0	589.89	0.0
load	N_1800043088	constant_power_C_real	1179.78	0.0	589.89	0.0
load	N_1800043088	constant_power_A_reac	387.773	0.0	193.8865	0.0
load	N_1800043088	constant_power_B_reac	387.773	0.0	193.8865	0.0
load	N_1800043088	constant_power_C_reac	387.773	0.0	193.8865	0.0
load	N_1800006896	constant_power_A	1439.5	473.141	719.75	236.5705
load	N_1800006896	constant_power_B	1439.5	473.141	719.75	236.5705
load	N_1800006896	constant_power_A_real	1439.5	0.0	719.75	0.0
load	N_1800006896	constant_power_B_real	1439.5	0.0	719.75	0.0
load	N_1800006896	constant_power_A_reac	473.141	0.0	236.5705	0.0
load	N_1800006896	constant_power_B_reac	473.141	0.0	236.5705	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800045604	constant_power_A	140.869	87.3026	70.4345	43.6513
load	N_1800045604	constant_power_B	140.869	87.3026	70.4345	43.6513
load	N_1800045604	constant_power_C	140.869	87.3026	70.4345	43.6513
load	N_1800045604	constant_power_A_real	140.869	0.0	70.4345	0.0
load	N_1800045604	constant_power_B_real	140.869	0.0	70.4345	0.0
load	N_1800045604	constant_power_C_real	140.869	0.0	70.4345	0.0
load	N_1800045604	constant_power_A_reac	87.3026	0.0	43.6513	0.0
load	N_1800045604	constant_power_B_reac	87.3026	0.0	43.6513	0.0
load	N_1800045604	constant_power_C_reac	87.3026	0.0	43.6513	0.0
load	N_1800029155	constant_power_A	739.561	243.082	369.7805	121.541
load	N_1800029155	constant_power_B	739.561	243.082	369.7805	121.541
load	N_1800029155	constant_power_A_real	739.561	0.0	369.7805	0.0
load	N_1800029155	constant_power_B_real	739.561	0.0	369.7805	0.0
load	N_1800029155	constant_power_A_reac	243.082	0.0	121.541	0.0
load	N_1800029155	constant_power_B_reac	243.082	0.0	121.541	0.0
load	N_1800067366	constant_power_A	3011.07	989.69	1505.535	494.845
load	N_1800067366	constant_power_B	3011.07	989.69	1505.535	494.845
load	N_1800067366	constant_power_A_real	3011.07	0.0	1505.535	0.0
load	N_1800067366	constant_power_B_real	3011.07	0.0	1505.535	0.0
load	N_1800067366	constant_power_A_reac	989.69	0.0	494.845	0.0
load	N_1800067366	constant_power_B_reac	989.69	0.0	494.845	0.0
load	N_1800029153	constant_power_A	721.952	237.294	360.976	118.647
load	N_1800029153	constant_power_B	721.952	237.294	360.976	118.647
load	N_1800029153	constant_power_A_real	721.952	0.0	360.976	0.0
load	N_1800029153	constant_power_B_real	721.952	0.0	360.976	0.0
load	N_1800029153	constant_power_A_reac	237.294	0.0	118.647	0.0
load	N_1800029153	constant_power_B_reac	237.294	0.0	118.647	0.0
load	N_1800029152	constant_power_A	1118.14	367.516	559.07	183.758
load	N_1800029152	constant_power_B	1118.14	367.516	559.07	183.758
load	N_1800029152	constant_power_A_real	1118.14	0.0	559.07	0.0
load	N_1800029152	constant_power_B_real	1118.14	0.0	559.07	0.0
load	N_1800029152	constant_power_A_reac	367.516	0.0	183.758	0.0
load	N_1800029152	constant_power_B_reac	367.516	0.0	183.758	0.0
load	N_1800072250	constant_power_A	391.791	242.81	195.8955	121.405
load	N_1800072250	constant_power_B	391.791	242.81	195.8955	121.405
load	N_1800072250	constant_power_A_real	391.791	0.0	195.8955	0.0
load	N_1800072250	constant_power_B_real	391.791	0.0	195.8955	0.0
load	N_1800072250	constant_power_A_reac	242.81	0.0	121.405	0.0
load	N_1800072250	constant_power_B_reac	242.81	0.0	121.405	0.0
load	N_1800072251	constant_power_A	13.206	8.18434	6.603	4.09217
load	N_1800072251	constant_power_B	13.206	8.18434	6.603	4.09217
load	N_1800072251	constant_power_A_real	13.206	0.0	6.603	0.0
load	N_1800072251	constant_power_B_real	13.206	0.0	6.603	0.0
load	N_1800072251	constant_power_A_reac	8.18434	0.0	4.09217	0.0
load	N_1800072251	constant_power_B_reac	8.18434	0.0	4.09217	0.0
load	N_1800072256	constant_power_A	1162.17	381.986	581.085	190.993
load	N_1800072256	constant_power_B	1162.17	381.986	581.085	190.993
load	N_1800072256	constant_power_A_real	1162.17	0.0	581.085	0.0
load	N_1800072256	constant_power_B_real	1162.17	0.0	581.085	0.0
load	N_1800072256	constant_power_A_reac	381.986	0.0	190.993	0.0
load	N_1800072256	constant_power_B_reac	381.986	0.0	190.993	0.0
load	N_1800072257	constant_power_A	6369.9	2785.58	3184.95	1392.79
load	N_1800072257	constant_power_B	6369.9	2785.58	3184.95	1392.79
load	N_1800072257	constant_power_A_real	6369.9	0.0	3184.95	0.0
load	N_1800072257	constant_power_B_real	6369.9	0.0	3184.95	0.0
load	N_1800072257	constant_power_A_reac	2785.58	0.0	1392.79	0.0
load	N_1800072257	constant_power_B_reac	2785.58	0.0	1392.79	0.0
load	N_1800072254	constant_power_A	11871.1	7357.06	5935.55	3678.53
load	N_1800072254	constant_power_B	11871.1	7357.06	5935.55	3678.53
load	N_1800072254	constant_power_C	11871.1	7357.06	5935.55	3678.53
load	N_1800072254	constant_power_A_real	11871.1	0.0	5935.55	0.0
load	N_1800072254	constant_power_B_real	11871.1	0.0	5935.55	0.0
load	N_1800072254	constant_power_C_real	11871.1	0.0	5935.55	0.0

Table 17: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800072254	constant_power_A_reac	7357.06	0.0	3678.53	0.0
load	N_1800072254	constant_power_B_reac	7357.06	0.0	3678.53	0.0
load	N_1800072254	constant_power_C_reac	7357.06	0.0	3678.53	0.0
load	N_1800072255	constant_power_A	3495.3	1148.85	1747.65	574.425
load	N_1800072255	constant_power_B	3495.3	1148.85	1747.65	574.425
load	N_1800072255	constant_power_A_real	3495.3	0.0	1747.65	0.0
load	N_1800072255	constant_power_B_real	3495.3	0.0	1747.65	0.0
load	N_1800072255	constant_power_A_reac	1148.85	0.0	574.425	0.0
load	N_1800072255	constant_power_B_reac	1148.85	0.0	574.425	0.0
load	N_1800034170	constant_power_A	2209.88	726.351	1104.94	363.1755
load	N_1800034170	constant_power_B	2209.88	726.351	1104.94	363.1755
load	N_1800034170	constant_power_A_real	2209.88	0.0	1104.94	0.0
load	N_1800034170	constant_power_B_real	2209.88	0.0	1104.94	0.0
load	N_1800034170	constant_power_A_reac	726.351	0.0	363.1755	0.0
load	N_1800034170	constant_power_B_reac	726.351	0.0	363.1755	0.0
load	N_1800061771	constant_power_A	21869.9	7188.28	10934.95	3594.14
load	N_1800061771	constant_power_A_real	21869.9	0.0	10934.95	0.0
load	N_1800061771	constant_power_A_reac	7188.28	0.0	3594.14	0.0
load	N_1800061770	constant_power_A	32901.6	10814.2	16450.8	5407.1
load	N_1800061770	constant_power_A_real	32901.6	0.0	16450.8	0.0
load	N_1800061770	constant_power_A_reac	10814.2	0.0	5407.1	0.0
load	N_1800030453	constant_power_A	1796.08	590.342	898.04	295.171
load	N_1800030453	constant_power_A_real	1796.08	0.0	898.04	0.0
load	N_1800030453	constant_power_A_reac	590.342	0.0	295.171	0.0
load	N_1800068599	constant_power_A	3578.95	1176.34	1789.475	588.17
load	N_1800068599	constant_power_B	3578.95	1176.34	1789.475	588.17
load	N_1800068599	constant_power_A_real	3578.95	0.0	1789.475	0.0
load	N_1800068599	constant_power_B_real	3578.95	0.0	1789.475	0.0
load	N_1800068599	constant_power_A_reac	1176.34	0.0	588.17	0.0
load	N_1800068599	constant_power_B_reac	1176.34	0.0	588.17	0.0
load	N_1800023220	constant_power_A	2834.98	931.814	1417.49	465.907
load	N_1800023220	constant_power_B	2834.98	931.814	1417.49	465.907
load	N_1800023220	constant_power_A_real	2834.98	0.0	1417.49	0.0
load	N_1800023220	constant_power_B_real	2834.98	0.0	1417.49	0.0
load	N_1800023220	constant_power_A_reac	931.814	0.0	465.907	0.0
load	N_1800023220	constant_power_B_reac	931.814	0.0	465.907	0.0

Table 18: Validation data for loadfactor taxonomy R1-12470-1 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12_47-1_load_1	constant_power_C	66446.0	25680.8	33223.0	12840.4
load	R1-12_47-1_load_1	constant_power_C_real	66446.0	0.0	33223.0	0.0
load	R1-12_47-1_load_1	constant_power_C_reac	25680.8	0.0	12840.4	0.0
load	R1-12_47-1_load_2	constant_power_A	8271.75	9205.94	4135.875	4602.97
load	R1-12_47-1_load_2	constant_power_A_real	8271.75	0.0	4135.875	0.0
load	R1-12_47-1_load_2	constant_power_A_reac	9205.94	0.0	4602.97	0.0
load	R1-12_47-1_load_3	constant_power_C	36160.4	13975.7	18080.2	6987.85
load	R1-12_47-1_load_3	constant_power_C_real	36160.4	0.0	18080.2	0.0
load	R1-12_47-1_load_3	constant_power_C_reac	13975.7	0.0	6987.85	0.0
load	R1-12_47-1_load_4	constant_power_B	8339.1	3255.49	4169.55	1627.745
load	R1-12_47-1_load_4	constant_power_B_real	8339.1	0.0	4169.55	0.0
load	R1-12_47-1_load_4	constant_power_B_reac	3255.49	0.0	1627.745	0.0
load	R1-12_47-1_load_5	constant_power_B	20326.6	7935.25	10163.3	3967.625
load	R1-12_47-1_load_5	constant_power_B_real	20326.6	0.0	10163.3	0.0
load	R1-12_47-1_load_5	constant_power_B_reac	7935.25	0.0	3967.625	0.0
load	R1-12_47-1_load_6	constant_power_B	15784.7	6162.17	7892.35	3081.085
load	R1-12_47-1_load_6	constant_power_B_real	15784.7	0.0	7892.35	0.0
load	R1-12_47-1_load_6	constant_power_B_reac	6162.17	0.0	3081.085	0.0
load	R1-12_47-1_load_7	constant_power_A	7958.56	8857.39	3979.28	4428.695
load	R1-12_47-1_load_7	constant_power_B	32165.1	12556.9	16082.55	6278.45
load	R1-12_47-1_load_7	constant_power_C	43757.1	16911.8	21878.55	8455.9
load	R1-12_47-1_load_7	constant_power_A_real	7958.56	0.0	3979.28	0.0

Table 18: Validation data for loadfactor taxonomy R1-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12_47-1_load_7	constant_power_B_real	32165.1	0.0	16082.55	0.0
load	R1-12_47-1_load_7	constant_power_C_real	43757.1	0.0	21878.55	0.0
load	R1-12_47-1_load_7	constant_power_A_reac	8857.39	0.0	4428.695	0.0
load	R1-12_47-1_load_7	constant_power_B_reac	12556.9	0.0	6278.45	0.0
load	R1-12_47-1_load_7	constant_power_C_reac	16911.8	0.0	8455.9	0.0
load	R1-12_47-1_load_8	constant_power_A	6411.06	7135.12	3205.53	3567.56
load	R1-12_47-1_load_8	constant_power_A_real	6411.06	0.0	3205.53	0.0
load	R1-12_47-1_load_8	constant_power_A_reac	7135.12	0.0	3567.56	0.0
load	R1-12_47-1_load_9	constant_power_C	50746.1	19613.0	25373.05	9806.5
load	R1-12_47-1_load_9	constant_power_C_real	50746.1	0.0	25373.05	0.0
load	R1-12_47-1_load_9	constant_power_C_reac	19613.0	0.0	9806.5	0.0
load	R1-12_47-1_load_10	constant_power_C	10534.1	4071.35	5267.05	2035.675
load	R1-12_47-1_load_10	constant_power_C_real	10534.1	0.0	5267.05	0.0
load	R1-12_47-1_load_10	constant_power_C_reac	4071.35	0.0	2035.675	0.0
load	R1-12_47-1_load_11	constant_power_B	9083.67	3546.15	4541.835	1773.075
load	R1-12_47-1_load_11	constant_power_B_real	9083.67	0.0	4541.835	0.0
load	R1-12_47-1_load_11	constant_power_B_reac	3546.15	0.0	1773.075	0.0
load	R1-12_47-1_load_12	constant_power_C	27550.8	10648.2	13775.4	5324.1
load	R1-12_47-1_load_12	constant_power_C_real	27550.8	0.0	13775.4	0.0
load	R1-12_47-1_load_12	constant_power_C_reac	10648.2	0.0	5324.1	0.0
load	R1-12_47-1_load_13	constant_power_A	3076.57	3424.04	1538.285	1712.02
load	R1-12_47-1_load_13	constant_power_A_real	3076.57	0.0	1538.285	0.0
load	R1-12_47-1_load_13	constant_power_A_reac	3424.04	0.0	1712.02	0.0
load	R1-12_47-1_load_14	constant_power_A	1584.34	1763.28	792.17	881.64
load	R1-12_47-1_load_14	constant_power_A_real	1584.34	0.0	792.17	0.0
load	R1-12_47-1_load_14	constant_power_A_reac	1763.28	0.0	881.64	0.0
load	R1-12_47-1_load_15	constant_power_A	1547.5	1722.27	773.75	861.135
load	R1-12_47-1_load_15	constant_power_A_real	1547.5	0.0	773.75	0.0
load	R1-12_47-1_load_15	constant_power_A_reac	1722.27	0.0	861.135	0.0
load	R1-12_47-1_load_16	constant_power_A	6374.22	7094.11	3187.11	3547.055
load	R1-12_47-1_load_16	constant_power_A_real	6374.22	0.0	3187.11	0.0
load	R1-12_47-1_load_16	constant_power_A_reac	7094.11	0.0	3547.055	0.0
load	R1-12_47-1_load_17	constant_power_A	4163.51	4633.73	2081.755	2316.865
load	R1-12_47-1_load_17	constant_power_A_real	4163.51	0.0	2081.755	0.0
load	R1-12_47-1_load_17	constant_power_A_reac	4633.73	0.0	2316.865	0.0
load	R1-12_47-1_load_18	constant_power_A	6411.06	7135.12	3205.53	3567.56
load	R1-12_47-1_load_18	constant_power_A_real	6411.06	0.0	3205.53	0.0
load	R1-12_47-1_load_18	constant_power_A_reac	7135.12	0.0	3567.56	0.0
load	R1-12_47-1_load_19	constant_power_B	14370.1	5609.9	7185.05	2804.95
load	R1-12_47-1_load_19	constant_power_B_real	14370.1	0.0	7185.05	0.0
load	R1-12_47-1_load_19	constant_power_B_reac	5609.9	0.0	2804.95	0.0
load	R1-12_47-1_load_20	constant_power_B	10721.7	4185.62	5360.85	2092.81
load	R1-12_47-1_load_20	constant_power_B_real	10721.7	0.0	5360.85	0.0
load	R1-12_47-1_load_20	constant_power_B_reac	4185.62	0.0	2092.81	0.0

Table 19: Validation data for loadfactor taxonomy R1-12470-2 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-2_load_1	constant_power_C	7585.73	93.6417	3792.865	46.82085
load	R1-12-47-2_load_1	constant_power_C_real	7585.73	0.0	3792.865	0.0
load	R1-12-47-2_load_1	constant_power_C_reac	93.6417	0.0	46.82085	0.0
load	R1-12-47-2_load_2	constant_power_A	82333.0	0.0	41166.5	0.0
load	R1-12-47-2_load_2	constant_power_B	82333.0	0.0	41166.5	0.0
load	R1-12-47-2_load_2	constant_power_C	82334.0	0.0	41167.0	0.0
load	R1-12-47-2_load_2	constant_power_A_real	82333.0	0.0	41166.5	0.0
load	R1-12-47-2_load_2	constant_power_B_real	82333.0	0.0	41166.5	0.0
load	R1-12-47-2_load_2	constant_power_C_real	82334.0	0.0	41167.0	0.0
load	R1-12-47-2_load_3	constant_power_A	15564.5	222.425	7782.25	111.2125
load	R1-12-47-2_load_3	constant_power_B	11118.3	338.502	5559.15	169.251
load	R1-12-47-2_load_3	constant_power_C	25285.8	312.139	12642.9	156.0695
load	R1-12-47-2_load_3	constant_power_A_real	15564.5	0.0	7782.25	0.0
load	R1-12-47-2_load_3	constant_power_B_real	11118.3	0.0	5559.15	0.0

Table 19: Validation data for loadfactor taxonomy R1-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-2.load_3	constant_power_C_real	25285.8	0.0	12642.9	0.0
load	R1-12-47-2.load_3	constant_power_A_reac	222.425	0.0	111.2125	0.0
load	R1-12-47-2.load_3	constant_power_B_reac	338.502	0.0	169.251	0.0
load	R1-12-47-2.load_3	constant_power_C_reac	312.139	0.0	156.0695	0.0
load	R1-12-47-2.load_4	constant_power_A	15564.5	222.425	7782.25	111.2125
load	R1-12-47-2.load_4	constant_power_A_real	15564.5	0.0	7782.25	0.0
load	R1-12-47-2.load_4	constant_power_A_reac	222.425	0.0	111.2125	0.0
load	R1-12-47-2.load_5	constant_power_A	38911.2	556.064	19455.6	278.032
load	R1-12-47-2.load_5	constant_power_A_real	38911.2	0.0	19455.6	0.0
load	R1-12-47-2.load_5	constant_power_A_reac	556.064	0.0	278.032	0.0
load	R1-12-47-2.load_6	constant_power_A	11673.4	166.819	5836.7	83.4095
load	R1-12-47-2.load_6	constant_power_A_real	11673.4	0.0	5836.7	0.0
load	R1-12-47-2.load_6	constant_power_A_reac	166.819	0.0	83.4095	0.0
load	R1-12-47-2.load_7	constant_power_A	15564.5	222.425	7782.25	111.2125
load	R1-12-47-2.load_7	constant_power_A_real	15564.5	0.0	7782.25	0.0
load	R1-12-47-2.load_7	constant_power_A_reac	222.425	0.0	111.2125	0.0
load	R1-12-47-2.load_8	constant_power_B	3335.48	101.551	1667.74	50.7755
load	R1-12-47-2.load_8	constant_power_B_real	3335.48	0.0	1667.74	0.0
load	R1-12-47-2.load_8	constant_power_B_reac	101.551	0.0	50.7755	0.0
load	R1-12-47-2.load_9	constant_power_B	11118.3	338.502	5559.15	169.251
load	R1-12-47-2.load_9	constant_power_B_real	11118.3	0.0	5559.15	0.0
load	R1-12-47-2.load_9	constant_power_B_reac	338.502	0.0	169.251	0.0
load	R1-12-47-2.load_10	constant_power_A	4669.34	66.7276	2334.67	33.3638
load	R1-12-47-2.load_10	constant_power_B	3335.48	101.551	1667.74	50.7755
load	R1-12-47-2.load_10	constant_power_A_real	4669.34	0.0	2334.67	0.0
load	R1-12-47-2.load_10	constant_power_B_real	3335.48	0.0	1667.74	0.0
load	R1-12-47-2.load_10	constant_power_A_reac	66.7276	0.0	33.3638	0.0
load	R1-12-47-2.load_10	constant_power_B_reac	101.551	0.0	50.7755	0.0
load	R1-12-47-2.load_11	constant_power_A	15564.5	222.425	7782.25	111.2125
load	R1-12-47-2.load_11	constant_power_A_real	15564.5	0.0	7782.25	0.0
load	R1-12-47-2.load_11	constant_power_A_reac	222.425	0.0	111.2125	0.0
load	R1-12-47-2.load_12	constant_power_A	4669.34	66.7276	2334.67	33.3638
load	R1-12-47-2.load_12	constant_power_A_real	4669.34	0.0	2334.67	0.0
load	R1-12-47-2.load_12	constant_power_A_reac	66.7276	0.0	33.3638	0.0
load	R1-12-47-2.load_13	constant_power_A	7782.24	111.213	3891.12	55.6065
load	R1-12-47-2.load_13	constant_power_A_real	7782.24	0.0	3891.12	0.0
load	R1-12-47-2.load_13	constant_power_A_reac	111.213	0.0	55.6065	0.0

Table 20: Validation data for loadfactor taxonomy R1-12470-3 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-3.load_1	constant_power_C	54848.3	1161.17	27424.15	580.585
load	R1-12-47-3.load_1	constant_power_C_real	54848.3	0.0	27424.15	0.0
load	R1-12-47-3.load_1	constant_power_C_reac	1161.17	0.0	580.585	0.0
load	R1-12-47-3.load_2	constant_power_A	18397.9	344.144	9198.95	172.072
load	R1-12-47-3.load_2	constant_power_B	5945.06	187.089	2972.53	93.5445
load	R1-12-47-3.load_2	constant_power_C	16454.5	348.35	8227.25	174.175
load	R1-12-47-3.load_2	constant_power_A_real	18397.9	0.0	9198.95	0.0
load	R1-12-47-3.load_2	constant_power_B_real	5945.06	0.0	2972.53	0.0
load	R1-12-47-3.load_2	constant_power_C_real	16454.5	0.0	8227.25	0.0
load	R1-12-47-3.load_2	constant_power_A_reac	344.144	0.0	172.072	0.0
load	R1-12-47-3.load_2	constant_power_B_reac	187.089	0.0	93.5445	0.0
load	R1-12-47-3.load_2	constant_power_C_reac	348.35	0.0	174.175	0.0
load	R1-12-47-3.load_3	constant_power_C	27424.2	580.584	13712.1	290.292
load	R1-12-47-3.load_3	constant_power_C_real	27424.2	0.0	13712.1	0.0
load	R1-12-47-3.load_3	constant_power_C_reac	580.584	0.0	290.292	0.0
load	R1-12-47-3.load_4	constant_power_C	54848.3	1161.17	27424.15	580.585
load	R1-12-47-3.load_4	constant_power_C_real	54848.3	0.0	27424.15	0.0
load	R1-12-47-3.load_4	constant_power_C_reac	1161.17	0.0	580.585	0.0
load	R1-12-47-3.load_5	constant_power_C	54848.3	1161.17	27424.15	580.585
load	R1-12-47-3.load_5	constant_power_C_real	54848.3	0.0	27424.15	0.0
load	R1-12-47-3.load_5	constant_power_C_reac	1161.17	0.0	580.585	0.0

Table 20: Validation data for loadfactor taxonomy R1-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-3.load_6	constant_power_C	82272.5	1741.75	41136.25	870.875
load	R1-12-47-3.load_6	constant_power_C_real	82272.5	0.0	41136.25	0.0
load	R1-12-47-3.load_6	constant_power_C_reac	1741.75	0.0	870.875	0.0
load	R1-12-47-3.load_7	constant_power_A	42928.5	803.003	21464.25	401.5015
load	R1-12-47-3.load_7	constant_power_A_real	42928.5	0.0	21464.25	0.0
load	R1-12-47-3.load_7	constant_power_A_reac	803.003	0.0	401.5015	0.0
load	R1-12-47-3.load_8	constant_power_A	30663.2	573.573	15331.6	286.7865
load	R1-12-47-3.load_8	constant_power_B	9908.43	311.815	4954.215	155.9075
load	R1-12-47-3.load_8	constant_power_C	27424.2	580.584	13712.1	290.292
load	R1-12-47-3.load_8	constant_power_A_real	30663.2	0.0	15331.6	0.0
load	R1-12-47-3.load_8	constant_power_B_real	9908.43	0.0	4954.215	0.0
load	R1-12-47-3.load_8	constant_power_C_real	27424.2	0.0	13712.1	0.0
load	R1-12-47-3.load_8	constant_power_A_reac	573.573	0.0	286.7865	0.0
load	R1-12-47-3.load_8	constant_power_B_reac	311.815	0.0	155.9075	0.0
load	R1-12-47-3.load_8	constant_power_C_reac	580.584	0.0	290.292	0.0
load	R1-12-47-3.load_9	constant_power_B	29725.3	935.445	14862.65	467.7225
load	R1-12-47-3.load_9	constant_power_B_real	29725.3	0.0	14862.65	0.0
load	R1-12-47-3.load_9	constant_power_B_reac	935.445	0.0	467.7225	0.0
load	R1-12-47-3.load_10	constant_power_B	9908.43	311.815	4954.215	155.9075
load	R1-12-47-3.load_10	constant_power_C	54848.3	1161.17	27424.15	580.585
load	R1-12-47-3.load_10	constant_power_B_real	9908.43	0.0	4954.215	0.0
load	R1-12-47-3.load_10	constant_power_C_real	54848.3	0.0	27424.15	0.0
load	R1-12-47-3.load_10	constant_power_B_reac	311.815	0.0	155.9075	0.0
load	R1-12-47-3.load_10	constant_power_C_reac	1161.17	0.0	580.585	0.0
load	R1-12-47-3.load_11	constant_power_A	110388.0	2064.86	55194.0	1032.43
load	R1-12-47-3.load_11	constant_power_A_real	110388.0	0.0	55194.0	0.0
load	R1-12-47-3.load_11	constant_power_A_reac	2064.86	0.0	1032.43	0.0
load	R1-12-47-3.load_12	constant_power_A	30663.2	573.573	15331.6	286.7865
load	R1-12-47-3.load_12	constant_power_A_real	30663.2	0.0	15331.6	0.0
load	R1-12-47-3.load_12	constant_power_A_reac	573.573	0.0	286.7865	0.0
load	R1-12-47-3.load_13	constant_power_A	30663.2	573.573	15331.6	286.7865
load	R1-12-47-3.load_13	constant_power_A_real	30663.2	0.0	15331.6	0.0
load	R1-12-47-3.load_13	constant_power_A_reac	573.573	0.0	286.7865	0.0
load	R1-12-47-3.load_14	constant_power_A	30663.2	573.573	15331.6	286.7865
load	R1-12-47-3.load_14	constant_power_A_real	30663.2	0.0	15331.6	0.0
load	R1-12-47-3.load_14	constant_power_A_reac	573.573	0.0	286.7865	0.0
load	R1-12-47-3.load_15	constant_power_B	19800.0	600.0	9900.0	300.0
load	R1-12-47-3.load_15	constant_power_B_real	19800.0	0.0	9900.0	0.0
load	R1-12-47-3.load_15	constant_power_B_reac	600.0	0.0	300.0	0.0
load	R1-12-47-3.load_16	constant_power_B	66200.0	2100.0	33100.0	1050.0
load	R1-12-47-3.load_16	constant_power_B_real	66200.0	0.0	33100.0	0.0
load	R1-12-47-3.load_16	constant_power_B_reac	2100.0	0.0	1050.0	0.0
load	R1-12-47-3.load_17	constant_power_B	19800.0	600.0	9900.0	300.0
load	R1-12-47-3.load_17	constant_power_B_real	19800.0	0.0	9900.0	0.0
load	R1-12-47-3.load_17	constant_power_B_reac	600.0	0.0	300.0	0.0
load	R1-12-47-3.load_18	constant_power_A	61326.5	1147.15	30663.25	573.575
load	R1-12-47-3.load_18	constant_power_B	19816.9	623.63	9908.45	311.815
load	R1-12-47-3.load_18	constant_power_C	54848.3	1161.17	27424.15	580.585
load	R1-12-47-3.load_18	constant_power_A_real	61326.5	0.0	30663.25	0.0
load	R1-12-47-3.load_18	constant_power_B_real	19816.9	0.0	9908.45	0.0
load	R1-12-47-3.load_18	constant_power_C_real	54848.3	0.0	27424.15	0.0
load	R1-12-47-3.load_18	constant_power_A_reac	1147.15	0.0	573.575	0.0
load	R1-12-47-3.load_18	constant_power_B_reac	623.63	0.0	311.815	0.0
load	R1-12-47-3.load_18	constant_power_C_reac	1161.17	0.0	580.585	0.0
load	R1-12-47-3.load_19	constant_power_A	30663.2	573.573	15331.6	286.7865
load	R1-12-47-3.load_19	constant_power_A_real	30663.2	0.0	15331.6	0.0
load	R1-12-47-3.load_19	constant_power_A_reac	573.573	0.0	286.7865	0.0
load	R1-12-47-3.load_20	constant_power_A	45994.9	860.36	22997.45	430.18
load	R1-12-47-3.load_20	constant_power_B	14862.6	467.722	7431.3	233.861
load	R1-12-47-3.load_20	constant_power_C	41136.2	870.875	20568.1	435.4375
load	R1-12-47-3.load_20	constant_power_A_real	45994.9	0.0	22997.45	0.0
load	R1-12-47-3.load_20	constant_power_B_real	14862.6	0.0	7431.3	0.0

Table 20: Validation data for loadfactor taxonomy R1-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-3_load_20	constant_power_C_real	41136.2	0.0	20568.1	0.0
load	R1-12-47-3_load_20	constant_power_A_reac	860.36	0.0	430.18	0.0
load	R1-12-47-3_load_20	constant_power_B_reac	467.722	0.0	233.861	0.0
load	R1-12-47-3_load_20	constant_power_C_reac	870.875	0.0	435.4375	0.0
load	R1-12-47-3_load_21	constant_power_A	30663.2	573.573	15331.6	286.7865
load	R1-12-47-3_load_21	constant_power_B	9908.43	311.815	4954.215	155.9075
load	R1-12-47-3_load_21	constant_power_C	27424.2	580.584	13712.1	290.292
load	R1-12-47-3_load_21	constant_power_A_real	30663.2	0.0	15331.6	0.0
load	R1-12-47-3_load_21	constant_power_B_real	9908.43	0.0	4954.215	0.0
load	R1-12-47-3_load_21	constant_power_C_real	27424.2	0.0	13712.1	0.0
load	R1-12-47-3_load_21	constant_power_A_reac	573.573	0.0	286.7865	0.0
load	R1-12-47-3_load_21	constant_power_B_reac	311.815	0.0	155.9075	0.0
load	R1-12-47-3_load_21	constant_power_C_reac	580.584	0.0	290.292	0.0

Table 21: Validation data for loadfactor taxonomy R1-12470-4 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-4.load_1	constant_power_A	17027.8	11009.6	8513.9	5504.8
load	R1-12-47-4.load_1	constant_power_B	21000.1	13611.8	10500.05	6805.9
load	R1-12-47-4.load_1	constant_power_C	17507.5	11303.4	8753.75	5651.7
load	R1-12-47-4.load_1	constant_power_A_real	17027.8	0.0	8513.9	0.0
load	R1-12-47-4.load_1	constant_power_B_real	21000.1	0.0	10500.05	0.0
load	R1-12-47-4.load_1	constant_power_C_real	17507.5	0.0	8753.75	0.0
load	R1-12-47-4.load_1	constant_power_A_reac	11009.6	0.0	5504.8	0.0
load	R1-12-47-4.load_1	constant_power_B_reac	13611.8	0.0	6805.9	0.0
load	R1-12-47-4.load_1	constant_power_C_reac	11303.4	0.0	5651.7	0.0
load	R1-12-47-4.load_2	constant_power_A	72865.7	47112.5	36432.85	23556.25
load	R1-12-47-4.load_2	constant_power_B	89864.2	58247.8	44932.1	29123.9
load	R1-12-47-4.load_2	constant_power_C	74918.5	48369.9	37459.25	24184.95
load	R1-12-47-4.load_2	constant_power_A_real	72865.7	0.0	36432.85	0.0
load	R1-12-47-4.load_2	constant_power_B_real	89864.2	0.0	44932.1	0.0
load	R1-12-47-4.load_2	constant_power_C_real	74918.5	0.0	37459.25	0.0
load	R1-12-47-4.load_2	constant_power_A_reac	47112.5	0.0	23556.25	0.0
load	R1-12-47-4.load_2	constant_power_B_reac	58247.8	0.0	29123.9	0.0
load	R1-12-47-4.load_2	constant_power_C_reac	48369.9	0.0	24184.95	0.0
load	R1-12-47-4.load_3	constant_power_A	49962.9	32304.4	24981.45	16152.2
load	R1-12-47-4.load_3	constant_power_B	61618.6	39939.7	30809.3	19969.85
load	R1-12-47-4.load_3	constant_power_C	51370.5	33166.5	25685.25	16583.25
load	R1-12-47-4.load_3	constant_power_A_real	49962.9	0.0	24981.45	0.0
load	R1-12-47-4.load_3	constant_power_B_real	61618.6	0.0	30809.3	0.0
load	R1-12-47-4.load_3	constant_power_C_real	51370.5	0.0	25685.25	0.0
load	R1-12-47-4.load_3	constant_power_A_reac	32304.4	0.0	16152.2	0.0
load	R1-12-47-4.load_3	constant_power_B_reac	39939.7	0.0	19969.85	0.0
load	R1-12-47-4.load_3	constant_power_C_reac	33166.5	0.0	16583.25	0.0
load	R1-12-47-4.load_4	constant_power_A	35013.9	22638.8	17506.95	11319.4
load	R1-12-47-4.load_4	constant_power_B	43182.1	27989.6	21591.05	13994.8
load	R1-12-47-4.load_4	constant_power_C	36000.3	23243.0	18000.15	11621.5
load	R1-12-47-4.load_4	constant_power_A_real	35013.9	0.0	17506.95	0.0
load	R1-12-47-4.load_4	constant_power_B_real	43182.1	0.0	21591.05	0.0
load	R1-12-47-4.load_4	constant_power_C_real	36000.3	0.0	18000.15	0.0
load	R1-12-47-4.load_4	constant_power_A_reac	22638.8	0.0	11319.4	0.0
load	R1-12-47-4.load_4	constant_power_B_reac	27989.6	0.0	13994.8	0.0
load	R1-12-47-4.load_4	constant_power_C_reac	23243.0	0.0	11621.5	0.0
load	R1-12-47-4.load_5	constant_power_A	28836.7	18644.8	14418.35	9322.4
load	R1-12-47-4.load_5	constant_power_B	35563.9	23051.6	17781.95	11525.8
load	R1-12-47-4.load_5	constant_power_C	29649.1	19142.4	14824.55	9571.2
load	R1-12-47-4.load_5	constant_power_A_real	28836.7	0.0	14418.35	0.0
load	R1-12-47-4.load_5	constant_power_B_real	35563.9	0.0	17781.95	0.0
load	R1-12-47-4.load_5	constant_power_C_real	29649.1	0.0	14824.55	0.0
load	R1-12-47-4.load_5	constant_power_A_reac	18644.8	0.0	9322.4	0.0
load	R1-12-47-4.load_5	constant_power_B_reac	23051.6	0.0	11525.8	0.0
load	R1-12-47-4.load_5	constant_power_C_reac	19142.4	0.0	9571.2	0.0

Table 21: Validation data for loadfactor taxonomy R1-12470-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-4.load_6	constant_power_A	29787.6	19259.7	14893.8	9629.85
load	R1-12-47-4.load_6	constant_power_B	36736.6	23811.8	18368.3	11905.9
load	R1-12-47-4.load_6	constant_power_C	30626.8	19773.7	15313.4	9886.85
load	R1-12-47-4.load_6	constant_power_A_real	29787.6	0.0	14893.8	0.0
load	R1-12-47-4.load_6	constant_power_B_real	36736.6	0.0	18368.3	0.0
load	R1-12-47-4.load_6	constant_power_C_real	30626.8	0.0	15313.4	0.0
load	R1-12-47-4.load_6	constant_power_A_reac	19259.7	0.0	9629.85	0.0
load	R1-12-47-4.load_6	constant_power_B_reac	23811.8	0.0	11905.9	0.0
load	R1-12-47-4.load_6	constant_power_C_reac	19773.7	0.0	9886.85	0.0
load	R1-12-47-4.load_7	constant_power_A	64484.5	41693.5	32242.25	20846.75
load	R1-12-47-4.load_7	constant_power_B	79527.8	51548.0	39763.9	25774.0
load	R1-12-47-4.load_7	constant_power_C	66301.1	42806.2	33150.55	21403.1
load	R1-12-47-4.load_7	constant_power_A_real	64484.5	0.0	32242.25	0.0
load	R1-12-47-4.load_7	constant_power_B_real	79527.8	0.0	39763.9	0.0
load	R1-12-47-4.load_7	constant_power_C_real	66301.1	0.0	33150.55	0.0
load	R1-12-47-4.load_7	constant_power_A_reac	41693.5	0.0	20846.75	0.0
load	R1-12-47-4.load_7	constant_power_B_reac	51548.0	0.0	25774.0	0.0
load	R1-12-47-4.load_7	constant_power_C_reac	42806.2	0.0	21403.1	0.0
load	R1-12-47-4.load_8	constant_power_A	24399.1	15775.7	12199.55	7887.85
load	R1-12-47-4.load_8	constant_power_B	30091.1	19504.3	15045.55	9752.15
load	R1-12-47-4.load_8	constant_power_C	25086.5	16196.7	12543.25	8098.35
load	R1-12-47-4.load_8	constant_power_A_real	24399.1	0.0	12199.55	0.0
load	R1-12-47-4.load_8	constant_power_B_real	30091.1	0.0	15045.55	0.0
load	R1-12-47-4.load_8	constant_power_C_real	25086.5	0.0	12543.25	0.0
load	R1-12-47-4.load_8	constant_power_A_reac	15775.7	0.0	7887.85	0.0
load	R1-12-47-4.load_8	constant_power_B_reac	19504.3	0.0	9752.15	0.0
load	R1-12-47-4.load_8	constant_power_C_reac	16196.7	0.0	8098.35	0.0
load	R1-12-47-4.load_9	constant_power_A	52815.6	34148.8	26407.8	17074.4
load	R1-12-47-4.load_9	constant_power_B	65136.8	42220.1	32568.4	21110.05
load	R1-12-47-4.load_9	constant_power_C	54303.6	35060.2	27151.8	17530.1
load	R1-12-47-4.load_9	constant_power_A_real	52815.6	0.0	26407.8	0.0
load	R1-12-47-4.load_9	constant_power_B_real	65136.8	0.0	32568.4	0.0
load	R1-12-47-4.load_9	constant_power_C_real	54303.6	0.0	27151.8	0.0
load	R1-12-47-4.load_9	constant_power_A_reac	34148.8	0.0	17074.4	0.0
load	R1-12-47-4.load_9	constant_power_B_reac	42220.1	0.0	21110.05	0.0
load	R1-12-47-4.load_9	constant_power_C_reac	35060.2	0.0	17530.1	0.0
load	R1-12-47-4.load_10	constant_power_A	39119.7	25293.5	19559.85	12646.75
load	R1-12-47-4.load_10	constant_power_B	48245.8	31271.7	24122.9	15635.85
load	R1-12-47-4.load_10	constant_power_C	40221.8	25968.5	20110.9	12984.25
load	R1-12-47-4.load_10	constant_power_A_real	39119.7	0.0	19559.85	0.0
load	R1-12-47-4.load_10	constant_power_B_real	48245.8	0.0	24122.9	0.0
load	R1-12-47-4.load_10	constant_power_C_real	40221.8	0.0	20110.9	0.0
load	R1-12-47-4.load_10	constant_power_A_reac	25293.5	0.0	12646.75	0.0
load	R1-12-47-4.load_10	constant_power_B_reac	31271.7	0.0	15635.85	0.0
load	R1-12-47-4.load_10	constant_power_C_reac	25968.5	0.0	12984.25	0.0
load	R1-12-47-4.load_11	constant_power_A	46970.2	30369.4	23485.1	15184.7
load	R1-12-47-4.load_11	constant_power_B	57927.6	37547.3	28963.8	18773.65
load	R1-12-47-4.load_11	constant_power_C	48293.4	31179.8	24146.7	15589.9
load	R1-12-47-4.load_11	constant_power_A_real	46970.2	0.0	23485.1	0.0
load	R1-12-47-4.load_11	constant_power_B_real	57927.6	0.0	28963.8	0.0
load	R1-12-47-4.load_11	constant_power_C_real	48293.4	0.0	24146.7	0.0
load	R1-12-47-4.load_11	constant_power_A_reac	30369.4	0.0	15184.7	0.0
load	R1-12-47-4.load_11	constant_power_B_reac	37547.3	0.0	18773.65	0.0
load	R1-12-47-4.load_11	constant_power_C_reac	31179.8	0.0	15589.9	0.0
load	R1-12-47-4.load_12	constant_power_A	40129.6	25946.4	20064.8	12973.2
load	R1-12-47-4.load_12	constant_power_B	49491.2	32079.0	24745.6	16039.5
load	R1-12-47-4.load_12	constant_power_C	41260.1	26638.9	20630.05	13319.45
load	R1-12-47-4.load_12	constant_power_A_real	40129.6	0.0	20064.8	0.0
load	R1-12-47-4.load_12	constant_power_B_real	49491.2	0.0	24745.6	0.0
load	R1-12-47-4.load_12	constant_power_C_real	41260.1	0.0	20630.05	0.0
load	R1-12-47-4.load_12	constant_power_A_reac	25946.4	0.0	12973.2	0.0
load	R1-12-47-4.load_12	constant_power_B_reac	32079.0	0.0	16039.5	0.0

Table 21: Validation data for loadfactor taxonomy R1-12470-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-12-47-4_load_12	constant_power_C_reac	26638.9	0.0	13319.45	0.0

Table 22: Validation data for loadfactor taxonomy R1-25000-5 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-25-00-1_load_1	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_1	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_1	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_2	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_2	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_2	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_3	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_3	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_3	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_4	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_4	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_4	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_5	constant_power_B	427.057	1972.08	213.5285	986.04
load	R1-25-00-1_load_5	constant_power_B_real	427.057	0.0	213.5285	0.0
load	R1-25-00-1_load_5	constant_power_B_reac	1972.08	0.0	986.04	0.0
load	R1-25-00-1_load_6	constant_power_B	427.057	1972.08	213.5285	986.04
load	R1-25-00-1_load_6	constant_power_B_real	427.057	0.0	213.5285	0.0
load	R1-25-00-1_load_6	constant_power_B_reac	1972.08	0.0	986.04	0.0
load	R1-25-00-1_load_7	constant_power_B	427.057	1972.08	213.5285	986.04
load	R1-25-00-1_load_7	constant_power_B_real	427.057	0.0	213.5285	0.0
load	R1-25-00-1_load_7	constant_power_B_reac	1972.08	0.0	986.04	0.0
load	R1-25-00-1_load_8	constant_power_C	719.658	13657.8	359.829	6828.9
load	R1-25-00-1_load_8	constant_power_C_real	719.658	0.0	359.829	0.0
load	R1-25-00-1_load_8	constant_power_C_reac	13657.8	0.0	6828.9	0.0
load	R1-25-00-1_load_9	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_9	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_9	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_10	constant_power_A	188.733	16909.6	94.3665	8454.8
load	R1-25-00-1_load_10	constant_power_B	1281.17	5916.24	640.585	2958.12
load	R1-25-00-1_load_10	constant_power_C	1079.49	20486.6	539.745	10243.3
load	R1-25-00-1_load_10	constant_power_A_real	188.733	0.0	94.3665	0.0
load	R1-25-00-1_load_10	constant_power_B_real	1281.17	0.0	640.585	0.0
load	R1-25-00-1_load_10	constant_power_C_real	1079.49	0.0	539.745	0.0
load	R1-25-00-1_load_10	constant_power_A_reac	16909.6	0.0	8454.8	0.0
load	R1-25-00-1_load_10	constant_power_B_reac	5916.24	0.0	2958.12	0.0
load	R1-25-00-1_load_10	constant_power_C_reac	20486.6	0.0	10243.3	0.0
load	R1-25-00-1_load_11	constant_power_C	71.9658	1365.78	35.9829	682.89
load	R1-25-00-1_load_11	constant_power_C_real	71.9658	0.0	35.9829	0.0
load	R1-25-00-1_load_11	constant_power_C_reac	1365.78	0.0	682.89	0.0
load	R1-25-00-1_load_12	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_12	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_12	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_13	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_13	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_13	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_14	constant_power_C	2403.66	45616.9	1201.83	22808.45
load	R1-25-00-1_load_14	constant_power_C_real	2403.66	0.0	1201.83	0.0
load	R1-25-00-1_load_14	constant_power_C_reac	45616.9	0.0	22808.45	0.0
load	R1-25-00-1_load_15	constant_power_C	1079.49	20486.6	539.745	10243.3
load	R1-25-00-1_load_15	constant_power_C_real	1079.49	0.0	539.745	0.0
load	R1-25-00-1_load_15	constant_power_C_reac	20486.6	0.0	10243.3	0.0
load	R1-25-00-1_load_16	constant_power_C	539.744	10243.3	269.872	5121.65
load	R1-25-00-1_load_16	constant_power_C_real	539.744	0.0	269.872	0.0
load	R1-25-00-1_load_16	constant_power_C_reac	10243.3	0.0	5121.65	0.0
load	R1-25-00-1_load_17	constant_power_C	1439.32	27315.5	719.66	13657.75
load	R1-25-00-1_load_17	constant_power_C_real	1439.32	0.0	719.66	0.0
load	R1-25-00-1_load_17	constant_power_C_reac	27315.5	0.0	13657.75	0.0

Table 22: Validation data for loadfactor taxonomy R1-25000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-25-00-1_load_18	constant_power_A	25.1644	2254.61	12.5822	1127.305
load	R1-25-00-1_load_18	constant_power_B	427.057	1972.08	213.5285	986.04
load	R1-25-00-1_load_18	constant_power_C	647.693	12292.0	323.8465	6146.0
load	R1-25-00-1_load_18	constant_power_A_real	25.1644	0.0	12.5822	0.0
load	R1-25-00-1_load_18	constant_power_B_real	427.057	0.0	213.5285	0.0
load	R1-25-00-1_load_18	constant_power_C_real	647.693	0.0	323.8465	0.0
load	R1-25-00-1_load_18	constant_power_A_reac	2254.61	0.0	1127.305	0.0
load	R1-25-00-1_load_18	constant_power_B_reac	1972.08	0.0	986.04	0.0
load	R1-25-00-1_load_18	constant_power_C_reac	12292.0	0.0	6146.0	0.0
load	R1-25-00-1_load_19	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_19	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_19	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_20	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_20	constant_power_B	854.115	3944.16	427.0575	1972.08
load	R1-25-00-1_load_20	constant_power_C	719.658	13657.8	359.829	6828.9
load	R1-25-00-1_load_20	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_20	constant_power_B_real	854.115	0.0	427.0575	0.0
load	R1-25-00-1_load_20	constant_power_C_real	719.658	0.0	359.829	0.0
load	R1-25-00-1_load_20	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_20	constant_power_B_reac	3944.16	0.0	1972.08	0.0
load	R1-25-00-1_load_20	constant_power_C_reac	13657.8	0.0	6828.9	0.0
load	R1-25-00-1_load_21	constant_power_C	215.898	4097.33	107.949	2048.665
load	R1-25-00-1_load_21	constant_power_C_real	215.898	0.0	107.949	0.0
load	R1-25-00-1_load_21	constant_power_C_reac	4097.33	0.0	2048.665	0.0
load	R1-25-00-1_load_22	constant_power_C	143.932	2731.55	71.966	1365.775
load	R1-25-00-1_load_22	constant_power_C_real	143.932	0.0	71.966	0.0
load	R1-25-00-1_load_22	constant_power_C_reac	2731.55	0.0	1365.775	0.0
load	R1-25-00-1_load_23	constant_power_A	419.407	37576.9	209.7035	18788.45
load	R1-25-00-1_load_23	constant_power_B	2847.05	13147.2	1423.525	6573.6
load	R1-25-00-1_load_23	constant_power_C	2398.85	45525.7	1199.425	22762.85
load	R1-25-00-1_load_23	constant_power_A_real	419.407	0.0	209.7035	0.0
load	R1-25-00-1_load_23	constant_power_B_real	2847.05	0.0	1423.525	0.0
load	R1-25-00-1_load_23	constant_power_C_real	2398.85	0.0	1199.425	0.0
load	R1-25-00-1_load_23	constant_power_A_reac	37576.9	0.0	18788.45	0.0
load	R1-25-00-1_load_23	constant_power_B_reac	13147.2	0.0	6573.6	0.0
load	R1-25-00-1_load_23	constant_power_C_reac	45525.7	0.0	22762.85	0.0
load	R1-25-00-1_load_24	constant_power_A	94.3663	8454.78	47.18315	4227.39
load	R1-25-00-1_load_24	constant_power_B	640.586	2958.12	320.293	1479.06
load	R1-25-00-1_load_24	constant_power_C	539.744	10243.3	269.872	5121.65
load	R1-25-00-1_load_24	constant_power_A_real	94.3663	0.0	47.18315	0.0
load	R1-25-00-1_load_24	constant_power_B_real	640.586	0.0	320.293	0.0
load	R1-25-00-1_load_24	constant_power_C_real	539.744	0.0	269.872	0.0
load	R1-25-00-1_load_24	constant_power_A_reac	8454.78	0.0	4227.39	0.0
load	R1-25-00-1_load_24	constant_power_B_reac	2958.12	0.0	1479.06	0.0
load	R1-25-00-1_load_24	constant_power_C_reac	10243.3	0.0	5121.65	0.0
load	R1-25-00-1_load_25	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_25	constant_power_B	427.057	1972.08	213.5285	986.04
load	R1-25-00-1_load_25	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_25	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_25	constant_power_B_real	427.057	0.0	213.5285	0.0
load	R1-25-00-1_load_25	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_25	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_25	constant_power_B_reac	1972.08	0.0	986.04	0.0
load	R1-25-00-1_load_25	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_26	constant_power_B	427.057	1972.08	213.5285	986.04
load	R1-25-00-1_load_26	constant_power_B_real	427.057	0.0	213.5285	0.0
load	R1-25-00-1_load_26	constant_power_B_reac	1972.08	0.0	986.04	0.0
load	R1-25-00-1_load_27	constant_power_B	2135.29	9860.39	1067.645	4930.195
load	R1-25-00-1_load_27	constant_power_B_real	2135.29	0.0	1067.645	0.0
load	R1-25-00-1_load_27	constant_power_B_reac	9860.39	0.0	4930.195	0.0
load	R1-25-00-1_load_28	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_28	constant_power_C_real	359.829	0.0	179.9145	0.0

Table 22: Validation data for loadfactor taxonomy R1-25000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-25-00-1_load_28	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_29	constant_power_C	4000.0	2000.0	2000.0	1000.0
load	R1-25-00-1_load_29	constant_power_C_real	4000.0	0.0	2000.0	0.0
load	R1-25-00-1_load_29	constant_power_C_reac	2000.0	0.0	1000.0	0.0
load	R1-25-00-1_load_30	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_30	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_30	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_31	constant_power_C	647.693	12292.0	323.8465	6146.0
load	R1-25-00-1_load_31	constant_power_C_real	647.693	0.0	323.8465	0.0
load	R1-25-00-1_load_31	constant_power_C_reac	12292.0	0.0	6146.0	0.0
load	R1-25-00-1_load_32	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_32	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_32	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_33	constant_power_C	215.898	4097.33	107.949	2048.665
load	R1-25-00-1_load_33	constant_power_C_real	215.898	0.0	107.949	0.0
load	R1-25-00-1_load_33	constant_power_C_reac	4097.33	0.0	2048.665	0.0
load	R1-25-00-1_load_34	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_34	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_34	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_35	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_35	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_35	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_36	constant_power_C	215.898	4097.33	107.949	2048.665
load	R1-25-00-1_load_36	constant_power_C_real	215.898	0.0	107.949	0.0
load	R1-25-00-1_load_36	constant_power_C_reac	4097.33	0.0	2048.665	0.0
load	R1-25-00-1_load_37	constant_power_C	143.932	2731.55	71.966	1365.775
load	R1-25-00-1_load_37	constant_power_C_real	143.932	0.0	71.966	0.0
load	R1-25-00-1_load_37	constant_power_C_reac	2731.55	0.0	1365.775	0.0
load	R1-25-00-1_load_38	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_38	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_38	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_39	constant_power_C	143.932	2731.55	71.966	1365.775
load	R1-25-00-1_load_39	constant_power_C_real	143.932	0.0	71.966	0.0
load	R1-25-00-1_load_39	constant_power_C_reac	2731.55	0.0	1365.775	0.0
load	R1-25-00-1_load_40	constant_power_C	7196.58	136578.0	3598.29	68289.0
load	R1-25-00-1_load_40	constant_power_C_real	7196.58	0.0	3598.29	0.0
load	R1-25-00-1_load_40	constant_power_C_reac	136578.0	0.0	68289.0	0.0
load	R1-25-00-1_load_41	constant_power_C	143.932	2731.55	71.966	1365.775
load	R1-25-00-1_load_41	constant_power_C_real	143.932	0.0	71.966	0.0
load	R1-25-00-1_load_41	constant_power_C_reac	2731.55	0.0	1365.775	0.0
load	R1-25-00-1_load_42	constant_power_C	143.932	2731.55	71.966	1365.775
load	R1-25-00-1_load_42	constant_power_C_real	143.932	0.0	71.966	0.0
load	R1-25-00-1_load_42	constant_power_C_reac	2731.55	0.0	1365.775	0.0
load	R1-25-00-1_load_43	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_43	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_43	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_44	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_44	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_44	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_45	constant_power_C	1439.32	27315.5	719.66	13657.75
load	R1-25-00-1_load_45	constant_power_C_real	1439.32	0.0	719.66	0.0
load	R1-25-00-1_load_45	constant_power_C_reac	27315.5	0.0	13657.75	0.0
load	R1-25-00-1_load_46	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_46	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_46	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_47	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_47	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_47	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_48	constant_power_A	100.0	11300.0	50.0	5650.0
load	R1-25-00-1_load_48	constant_power_B	900.0	3900.0	450.0	1950.0
load	R1-25-00-1_load_48	constant_power_C	700.0	13700.0	350.0	6850.0
load	R1-25-00-1_load_48	constant_power_A_real	100.0	0.0	50.0	0.0

Table 22: Validation data for loadfactor taxonomy R1-25000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-25-00-1_load_48	constant_power_B_real	900.0	0.0	450.0	0.0
load	R1-25-00-1_load_48	constant_power_C_real	700.0	0.0	350.0	0.0
load	R1-25-00-1_load_48	constant_power_A_reac	11300.0	0.0	5650.0	0.0
load	R1-25-00-1_load_48	constant_power_B_reac	3900.0	0.0	1950.0	0.0
load	R1-25-00-1_load_48	constant_power_C_reac	13700.0	0.0	6850.0	0.0
load	R1-25-00-1_load_49	constant_power_A	504000.0	200000.0	252000.0	100000.0
load	R1-25-00-1_load_49	constant_power_B	504000.0	200000.0	252000.0	100000.0
load	R1-25-00-1_load_49	constant_power_C	504000.0	200000.0	252000.0	100000.0
load	R1-25-00-1_load_49	constant_power_A_real	504000.0	0.0	252000.0	0.0
load	R1-25-00-1_load_49	constant_power_B_real	504000.0	0.0	252000.0	0.0
load	R1-25-00-1_load_49	constant_power_C_real	504000.0	0.0	252000.0	0.0
load	R1-25-00-1_load_49	constant_power_A_reac	200000.0	0.0	100000.0	0.0
load	R1-25-00-1_load_49	constant_power_B_reac	200000.0	0.0	100000.0	0.0
load	R1-25-00-1_load_49	constant_power_C_reac	200000.0	0.0	100000.0	0.0
load	R1-25-00-1_load_50	constant_power_C	215.898	4097.33	107.949	2048.665
load	R1-25-00-1_load_50	constant_power_C_real	215.898	0.0	107.949	0.0
load	R1-25-00-1_load_50	constant_power_C_reac	4097.33	0.0	2048.665	0.0
load	R1-25-00-1_load_51	constant_power_A	1677.62	150307.0	838.81	75153.5
load	R1-25-00-1_load_51	constant_power_B	11388.2	52588.8	5694.1	26294.4
load	R1-25-00-1_load_51	constant_power_C	9595.44	182103.0	4797.72	91051.5
load	R1-25-00-1_load_51	constant_power_A_real	1677.62	0.0	838.81	0.0
load	R1-25-00-1_load_51	constant_power_B_real	11388.2	0.0	5694.1	0.0
load	R1-25-00-1_load_51	constant_power_C_real	9595.44	0.0	4797.72	0.0
load	R1-25-00-1_load_51	constant_power_A_reac	150307.0	0.0	75153.5	0.0
load	R1-25-00-1_load_51	constant_power_B_reac	52588.8	0.0	26294.4	0.0
load	R1-25-00-1_load_51	constant_power_C_reac	182103.0	0.0	91051.5	0.0
load	R1-25-00-1_load_52	constant_power_A	1258.22	112730.0	629.11	56365.0
load	R1-25-00-1_load_52	constant_power_B	8541.15	39441.6	4270.575	19720.8
load	R1-25-00-1_load_52	constant_power_C	7196.58	136578.0	3598.29	68289.0
load	R1-25-00-1_load_52	constant_power_A_real	1258.22	0.0	629.11	0.0
load	R1-25-00-1_load_52	constant_power_B_real	8541.15	0.0	4270.575	0.0
load	R1-25-00-1_load_52	constant_power_C_real	7196.58	0.0	3598.29	0.0
load	R1-25-00-1_load_52	constant_power_A_reac	112730.0	0.0	56365.0	0.0
load	R1-25-00-1_load_52	constant_power_B_reac	39441.6	0.0	19720.8	0.0
load	R1-25-00-1_load_52	constant_power_C_reac	136578.0	0.0	68289.0	0.0
load	R1-25-00-1_load_53	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_53	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_53	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_54	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_54	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_54	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_55	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_55	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_55	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_56	constant_power_C	2518.8	47802.1	1259.4	23901.05
load	R1-25-00-1_load_56	constant_power_C_real	2518.8	0.0	1259.4	0.0
load	R1-25-00-1_load_56	constant_power_C_reac	47802.1	0.0	23901.05	0.0
load	R1-25-00-1_load_57	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_57	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_57	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_58	constant_power_C	359.829	6828.88	179.9145	3414.44
load	R1-25-00-1_load_58	constant_power_C_real	359.829	0.0	179.9145	0.0
load	R1-25-00-1_load_58	constant_power_C_reac	6828.88	0.0	3414.44	0.0
load	R1-25-00-1_load_59	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_59	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_59	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_60	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_60	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_60	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_61	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_61	constant_power_B	640.586	2958.12	320.293	1479.06
load	R1-25-00-1_load_61	constant_power_C	719.658	13657.8	359.829	6828.9

Table 22: Validation data for loadfactor taxonomy R1-25000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-25-00-1_load_61	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_61	constant_power_B_real	640.586	0.0	320.293	0.0
load	R1-25-00-1_load_61	constant_power_C_real	719.658	0.0	359.829	0.0
load	R1-25-00-1_load_61	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_61	constant_power_B_reac	2958.12	0.0	1479.06	0.0
load	R1-25-00-1_load_61	constant_power_C_reac	13657.8	0.0	6828.9	0.0
load	R1-25-00-1_load_62	constant_power_B	854.115	3944.16	427.0575	1972.08
load	R1-25-00-1_load_62	constant_power_B_real	854.115	0.0	427.0575	0.0
load	R1-25-00-1_load_62	constant_power_B_reac	3944.16	0.0	1972.08	0.0
load	R1-25-00-1_load_63	constant_power_B	2861.28	13212.9	1430.64	6606.45
load	R1-25-00-1_load_63	constant_power_B_real	2861.28	0.0	1430.64	0.0
load	R1-25-00-1_load_63	constant_power_B_reac	13212.9	0.0	6606.45	0.0
load	R1-25-00-1_load_64	constant_power_B	2861.28	13212.9	1430.64	6606.45
load	R1-25-00-1_load_64	constant_power_B_real	2861.28	0.0	1430.64	0.0
load	R1-25-00-1_load_64	constant_power_B_reac	13212.9	0.0	6606.45	0.0
load	R1-25-00-1_load_65	constant_power_B	2861.28	13212.9	1430.64	6606.45
load	R1-25-00-1_load_65	constant_power_B_real	2861.28	0.0	1430.64	0.0
load	R1-25-00-1_load_65	constant_power_B_reac	13212.9	0.0	6606.45	0.0
load	R1-25-00-1_load_66	constant_power_B	427.057	1972.08	213.5285	986.04
load	R1-25-00-1_load_66	constant_power_B_real	427.057	0.0	213.5285	0.0
load	R1-25-00-1_load_66	constant_power_B_reac	1972.08	0.0	986.04	0.0
load	R1-25-00-1_load_67	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_67	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_67	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_68	constant_power_A	188.733	16909.6	94.3665	8454.8
load	R1-25-00-1_load_68	constant_power_A_real	188.733	0.0	94.3665	0.0
load	R1-25-00-1_load_68	constant_power_A_reac	16909.6	0.0	8454.8	0.0
load	R1-25-00-1_load_69	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_69	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_69	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_70	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_70	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_70	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_71	constant_power_A	88.0752	7891.13	44.0376	3945.565
load	R1-25-00-1_load_71	constant_power_A_real	88.0752	0.0	44.0376	0.0
load	R1-25-00-1_load_71	constant_power_A_reac	7891.13	0.0	3945.565	0.0
load	R1-25-00-1_load_72	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_72	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_72	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_73	constant_power_A	201.315	18036.9	100.6575	9018.45
load	R1-25-00-1_load_73	constant_power_C	719.658	13657.8	359.829	6828.9
load	R1-25-00-1_load_73	constant_power_A_real	201.315	0.0	100.6575	0.0
load	R1-25-00-1_load_73	constant_power_C_real	719.658	0.0	359.829	0.0
load	R1-25-00-1_load_73	constant_power_A_reac	18036.9	0.0	9018.45	0.0
load	R1-25-00-1_load_73	constant_power_C_reac	13657.8	0.0	6828.9	0.0
load	R1-25-00-1_load_74	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_74	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_74	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_75	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_75	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_75	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_76	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_76	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_76	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_77	constant_power_A	100.657	9018.44	50.3285	4509.22
load	R1-25-00-1_load_77	constant_power_A_real	100.657	0.0	50.3285	0.0
load	R1-25-00-1_load_77	constant_power_A_reac	9018.44	0.0	4509.22	0.0
load	R1-25-00-1_load_78	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_78	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_78	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_79	constant_power_A	25.1644	2254.61	12.5822	1127.305
load	R1-25-00-1_load_79	constant_power_A_real	25.1644	0.0	12.5822	0.0

Table 22: Validation data for loadfactor taxonomy R1-25000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R1-25-00-1_load_79	constant_power_A_reac	2254.61	0.0	1127.305	0.0
load	R1-25-00-1_load_80	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_80	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_80	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_81	constant_power_A	251.643	22546.1	125.8215	11273.05
load	R1-25-00-1_load_81	constant_power_A_real	251.643	0.0	125.8215	0.0
load	R1-25-00-1_load_81	constant_power_A_reac	22546.1	0.0	11273.05	0.0
load	R1-25-00-1_load_82	constant_power_A	62.9109	5636.52	31.45545	2818.26
load	R1-25-00-1_load_82	constant_power_A_real	62.9109	0.0	31.45545	0.0
load	R1-25-00-1_load_82	constant_power_A_reac	5636.52	0.0	2818.26	0.0
load	R1-25-00-1_load_83	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_83	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_83	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_84	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_84	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_84	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_85	constant_power_A	37.7465	3381.91	18.87325	1690.955
load	R1-25-00-1_load_85	constant_power_A_real	37.7465	0.0	18.87325	0.0
load	R1-25-00-1_load_85	constant_power_A_reac	3381.91	0.0	1690.955	0.0
load	R1-25-00-1_load_86	constant_power_A	88.0752	7891.13	44.0376	3945.565
load	R1-25-00-1_load_86	constant_power_A_real	88.0752	0.0	44.0376	0.0
load	R1-25-00-1_load_86	constant_power_A_reac	7891.13	0.0	3945.565	0.0
load	R1-25-00-1_load_87	constant_power_A	25.1644	2254.61	12.5822	1127.305
load	R1-25-00-1_load_87	constant_power_A_real	25.1644	0.0	12.5822	0.0
load	R1-25-00-1_load_87	constant_power_A_reac	2254.61	0.0	1127.305	0.0
load	R1-25-00-1_load_88	constant_power_A	125.822	11273.0	62.911	5636.5
load	R1-25-00-1_load_88	constant_power_A_real	125.822	0.0	62.911	0.0
load	R1-25-00-1_load_88	constant_power_A_reac	11273.0	0.0	5636.5	0.0
load	R1-25-00-1_load_89	constant_power_B	10000.0	5000.0	5000.0	2500.0
load	R1-25-00-1_load_89	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	R1-25-00-1_load_89	constant_power_B_reac	5000.0	0.0	2500.0	0.0
load	R1-25-00-1_load_90	constant_power_C	10000.0	5000.0	5000.0	2500.0
load	R1-25-00-1_load_90	constant_power_C_real	10000.0	0.0	5000.0	0.0
load	R1-25-00-1_load_90	constant_power_C_reac	5000.0	0.0	2500.0	0.0

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_1	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_1	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_1	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_2	constant_power_B	53310.5	19719.9	26655.25	9859.95
load	R2-12-47-1_load_2	constant_power_B_real	53310.5	0.0	26655.25	0.0
load	R2-12-47-1_load_2	constant_power_B_reac	19719.9	0.0	9859.95	0.0
load	R2-12-47-1_load_3	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_3	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_3	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_4	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_4	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_4	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_5	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_5	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_5	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_5	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_5	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_5	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_5	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_5	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_5	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_6	constant_power_A	17319.6	6412.9	8659.8	3206.45
load	R2-12-47-1_load_6	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_6	constant_power_C	17763.8	6529.78	8881.9	3264.89

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_6	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_6	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_6	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_6	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_6	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_6	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_7	constant_power_A	34639.3	12825.8	17319.65	6412.9
load	R2-12-47-1_load_7	constant_power_B	31922.5	11808.3	15961.25	5904.15
load	R2-12-47-1_load_7	constant_power_C	35527.5	13059.6	17763.75	6529.8
load	R2-12-47-1_load_7	constant_power_A_real	34639.3	0.0	17319.65	0.0
load	R2-12-47-1_load_7	constant_power_B_real	31922.5	0.0	15961.25	0.0
load	R2-12-47-1_load_7	constant_power_C_real	35527.5	0.0	17763.75	0.0
load	R2-12-47-1_load_7	constant_power_A_reac	12825.8	0.0	6412.9	0.0
load	R2-12-47-1_load_7	constant_power_B_reac	11808.3	0.0	5904.15	0.0
load	R2-12-47-1_load_7	constant_power_C_reac	13059.6	0.0	6529.8	0.0
load	R2-12-47-1_load_8	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_8	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_8	constant_power_C	5329.13	1958.93	2664.565	979.465
load	R2-12-47-1_load_8	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_8	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_8	constant_power_C_real	5329.13	0.0	2664.565	0.0
load	R2-12-47-1_load_8	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_8	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_8	constant_power_C_reac	1958.93	0.0	979.465	0.0
load	R2-12-47-1_load_9	constant_power_A	173196.0	64129.0	86598.0	32064.5
load	R2-12-47-1_load_9	constant_power_B	159612.0	59041.7	79806.0	29520.85
load	R2-12-47-1_load_9	constant_power_C	177638.0	65297.8	88819.0	32648.9
load	R2-12-47-1_load_9	constant_power_A_real	173196.0	0.0	86598.0	0.0
load	R2-12-47-1_load_9	constant_power_B_real	159612.0	0.0	79806.0	0.0
load	R2-12-47-1_load_9	constant_power_C_real	177638.0	0.0	88819.0	0.0
load	R2-12-47-1_load_9	constant_power_A_reac	64129.0	0.0	32064.5	0.0
load	R2-12-47-1_load_9	constant_power_B_reac	59041.7	0.0	29520.85	0.0
load	R2-12-47-1_load_9	constant_power_C_reac	65297.8	0.0	32648.9	0.0
load	R2-12-47-1_load_10	constant_power_A	25979.5	9619.35	12989.75	4809.675
load	R2-12-47-1_load_10	constant_power_B	23941.8	8856.25	11970.9	4428.125
load	R2-12-47-1_load_10	constant_power_C	26645.7	9794.67	13322.85	4897.335
load	R2-12-47-1_load_10	constant_power_A_real	25979.5	0.0	12989.75	0.0
load	R2-12-47-1_load_10	constant_power_B_real	23941.8	0.0	11970.9	0.0
load	R2-12-47-1_load_10	constant_power_C_real	26645.7	0.0	13322.85	0.0
load	R2-12-47-1_load_10	constant_power_A_reac	9619.35	0.0	4809.675	0.0
load	R2-12-47-1_load_10	constant_power_B_reac	8856.25	0.0	4428.125	0.0
load	R2-12-47-1_load_10	constant_power_C_reac	9794.67	0.0	4897.335	0.0
load	R2-12-47-1_load_11	constant_power_A	57732.2	21376.3	28866.1	10688.15
load	R2-12-47-1_load_11	constant_power_B	53204.1	19680.6	26602.05	9840.3
load	R2-12-47-1_load_11	constant_power_C	59212.6	21765.9	29606.3	10882.95
load	R2-12-47-1_load_11	constant_power_A_real	57732.2	0.0	28866.1	0.0
load	R2-12-47-1_load_11	constant_power_B_real	53204.1	0.0	26602.05	0.0
load	R2-12-47-1_load_11	constant_power_C_real	59212.6	0.0	29606.3	0.0
load	R2-12-47-1_load_11	constant_power_A_reac	21376.3	0.0	10688.15	0.0
load	R2-12-47-1_load_11	constant_power_B_reac	19680.6	0.0	9840.3	0.0
load	R2-12-47-1_load_11	constant_power_C_reac	21765.9	0.0	10882.95	0.0
load	R2-12-47-1_load_12	constant_power_A	57732.2	21376.3	28866.1	10688.15
load	R2-12-47-1_load_12	constant_power_B	53204.1	19680.6	26602.05	9840.3
load	R2-12-47-1_load_12	constant_power_C	59212.6	21765.9	29606.3	10882.95
load	R2-12-47-1_load_12	constant_power_A_real	57732.2	0.0	28866.1	0.0
load	R2-12-47-1_load_12	constant_power_B_real	53204.1	0.0	26602.05	0.0
load	R2-12-47-1_load_12	constant_power_C_real	59212.6	0.0	29606.3	0.0
load	R2-12-47-1_load_12	constant_power_A_reac	21376.3	0.0	10688.15	0.0
load	R2-12-47-1_load_12	constant_power_B_reac	19680.6	0.0	9840.3	0.0
load	R2-12-47-1_load_12	constant_power_C_reac	21765.9	0.0	10882.95	0.0
load	R2-12-47-1_load_13	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_13	constant_power_B	7980.61	2952.08	3990.305	1476.04

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_13	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_13	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_13	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_13	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_13	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_13	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_13	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_14	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_14	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_14	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_14	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_14	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_14	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_14	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_14	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_14	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_15	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_15	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_15	constant_power_C	5329.13	1958.93	2664.565	979.465
load	R2-12-47-1_load_15	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_15	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_15	constant_power_C_real	5329.13	0.0	2664.565	0.0
load	R2-12-47-1_load_15	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_15	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_15	constant_power_C_reac	1958.93	0.0	979.465	0.0
load	R2-12-47-1_load_16	constant_power_C	17763.8	6529.78	8881.9	3264.89
load	R2-12-47-1_load_16	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_16	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_17	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_17	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_17	constant_power_C	5329.13	1958.93	2664.565	979.465
load	R2-12-47-1_load_17	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_17	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_17	constant_power_C_real	5329.13	0.0	2664.565	0.0
load	R2-12-47-1_load_17	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_17	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_17	constant_power_C_reac	1958.93	0.0	979.465	0.0
load	R2-12-47-1_load_18	constant_power_A	86598.2	32064.5	43299.1	16032.25
load	R2-12-47-1_load_18	constant_power_B	79806.1	29520.8	39903.05	14760.4
load	R2-12-47-1_load_18	constant_power_C	88818.8	32648.9	44409.4	16324.45
load	R2-12-47-1_load_18	constant_power_A_real	86598.2	0.0	43299.1	0.0
load	R2-12-47-1_load_18	constant_power_B_real	79806.1	0.0	39903.05	0.0
load	R2-12-47-1_load_18	constant_power_C_real	88818.8	0.0	44409.4	0.0
load	R2-12-47-1_load_18	constant_power_A_reac	32064.5	0.0	16032.25	0.0
load	R2-12-47-1_load_18	constant_power_B_reac	29520.8	0.0	14760.4	0.0
load	R2-12-47-1_load_18	constant_power_C_reac	32648.9	0.0	16324.45	0.0
load	R2-12-47-1_load_19	constant_power_A	86598.2	32064.5	43299.1	16032.25
load	R2-12-47-1_load_19	constant_power_B	79806.1	29520.8	39903.05	14760.4
load	R2-12-47-1_load_19	constant_power_C	88818.8	32648.9	44409.4	16324.45
load	R2-12-47-1_load_19	constant_power_A_real	86598.2	0.0	43299.1	0.0
load	R2-12-47-1_load_19	constant_power_B_real	79806.1	0.0	39903.05	0.0
load	R2-12-47-1_load_19	constant_power_C_real	88818.8	0.0	44409.4	0.0
load	R2-12-47-1_load_19	constant_power_A_reac	32064.5	0.0	16032.25	0.0
load	R2-12-47-1_load_19	constant_power_B_reac	29520.8	0.0	14760.4	0.0
load	R2-12-47-1_load_19	constant_power_C_reac	32648.9	0.0	16324.45	0.0
load	R2-12-47-1_load_20	constant_power_A	25979.5	9619.35	12989.75	4809.675
load	R2-12-47-1_load_20	constant_power_B	23941.8	8856.25	11970.9	4428.125
load	R2-12-47-1_load_20	constant_power_C	26645.7	9794.67	13322.85	4897.335
load	R2-12-47-1_load_20	constant_power_A_real	25979.5	0.0	12989.75	0.0
load	R2-12-47-1_load_20	constant_power_B_real	23941.8	0.0	11970.9	0.0
load	R2-12-47-1_load_20	constant_power_C_real	26645.7	0.0	13322.85	0.0
load	R2-12-47-1_load_20	constant_power_A_reac	9619.35	0.0	4809.675	0.0

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_20	constant_power_B_reac	8856.25	0.0	4428.125	0.0
load	R2-12-47-1_load_20	constant_power_C_reac	9794.67	0.0	4897.335	0.0
load	R2-12-47-1_load_21	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_21	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_21	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_21	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_21	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_21	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_21	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_21	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_21	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_22	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_22	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_22	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_23	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_23	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_23	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_24	constant_power_A	12989.7	4809.68	6494.85	2404.84
load	R2-12-47-1_load_24	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_24	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_24	constant_power_A_real	12989.7	0.0	6494.85	0.0
load	R2-12-47-1_load_24	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_24	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_24	constant_power_A_reac	4809.68	0.0	2404.84	0.0
load	R2-12-47-1_load_24	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_24	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_25	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_25	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_25	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_26	constant_power_A	34639.3	12825.8	17319.65	6412.9
load	R2-12-47-1_load_26	constant_power_B	31922.5	11808.3	15961.25	5904.15
load	R2-12-47-1_load_26	constant_power_C	35527.5	13059.6	17763.75	6529.8
load	R2-12-47-1_load_26	constant_power_A_real	34639.3	0.0	17319.65	0.0
load	R2-12-47-1_load_26	constant_power_B_real	31922.5	0.0	15961.25	0.0
load	R2-12-47-1_load_26	constant_power_C_real	35527.5	0.0	17763.75	0.0
load	R2-12-47-1_load_26	constant_power_A_reac	12825.8	0.0	6412.9	0.0
load	R2-12-47-1_load_26	constant_power_B_reac	11808.3	0.0	5904.15	0.0
load	R2-12-47-1_load_26	constant_power_C_reac	13059.6	0.0	6529.8	0.0
load	R2-12-47-1_load_27	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_27	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_27	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_27	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_27	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_27	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_27	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_27	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_27	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_28	constant_power_A	17319.6	6412.9	8659.8	3206.45
load	R2-12-47-1_load_28	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_28	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_29	constant_power_A	25979.5	9619.35	12989.75	4809.675
load	R2-12-47-1_load_29	constant_power_A_real	25979.5	0.0	12989.75	0.0
load	R2-12-47-1_load_29	constant_power_A_reac	9619.35	0.0	4809.675	0.0
load	R2-12-47-1_load_30	constant_power_A	3463.93	1282.58	1731.965	641.29
load	R2-12-47-1_load_30	constant_power_B	3192.25	1180.83	1596.125	590.415
load	R2-12-47-1_load_30	constant_power_C	3552.75	1305.96	1776.375	652.98
load	R2-12-47-1_load_30	constant_power_A_real	3463.93	0.0	1731.965	0.0
load	R2-12-47-1_load_30	constant_power_B_real	3192.25	0.0	1596.125	0.0
load	R2-12-47-1_load_30	constant_power_C_real	3552.75	0.0	1776.375	0.0
load	R2-12-47-1_load_30	constant_power_A_reac	1282.58	0.0	641.29	0.0
load	R2-12-47-1_load_30	constant_power_B_reac	1180.83	0.0	590.415	0.0
load	R2-12-47-1_load_30	constant_power_C_reac	1305.96	0.0	652.98	0.0

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_31	constant_power_A	17319.6	6412.9	8659.8	3206.45
load	R2-12-47-1_load_31	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_31	constant_power_C	17763.8	6529.78	8881.9	3264.89
load	R2-12-47-1_load_31	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_31	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_31	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_31	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_31	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_31	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_32	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_32	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_32	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_33	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_33	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_33	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_33	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_33	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_33	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_33	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_33	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_33	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_34	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_34	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_34	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_35	constant_power_A	25979.5	9619.35	12989.75	4809.675
load	R2-12-47-1_load_35	constant_power_B	23941.8	8856.25	11970.9	4428.125
load	R2-12-47-1_load_35	constant_power_C	26645.7	9794.67	13322.85	4897.335
load	R2-12-47-1_load_35	constant_power_A_real	25979.5	0.0	12989.75	0.0
load	R2-12-47-1_load_35	constant_power_B_real	23941.8	0.0	11970.9	0.0
load	R2-12-47-1_load_35	constant_power_C_real	26645.7	0.0	13322.85	0.0
load	R2-12-47-1_load_35	constant_power_A_reac	9619.35	0.0	4809.675	0.0
load	R2-12-47-1_load_35	constant_power_B_reac	8856.25	0.0	4428.125	0.0
load	R2-12-47-1_load_35	constant_power_C_reac	9794.67	0.0	4897.335	0.0
load	R2-12-47-1_load_36	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_36	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_36	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_37	constant_power_C	17763.8	6529.78	8881.9	3264.89
load	R2-12-47-1_load_37	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_37	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_38	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_38	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_38	constant_power_C	5329.13	1958.93	2664.565	979.465
load	R2-12-47-1_load_38	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_38	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_38	constant_power_C_real	5329.13	0.0	2664.565	0.0
load	R2-12-47-1_load_38	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_38	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_38	constant_power_C_reac	1958.93	0.0	979.465	0.0
load	R2-12-47-1_load_39	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_39	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_39	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_39	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_39	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_39	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_39	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_39	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_39	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_40	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_40	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_40	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_40	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_40	constant_power_B_real	7980.61	0.0	3990.305	0.0

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_40	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_40	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_40	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_40	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_41	constant_power_A	3463.93	1282.58	1731.965	641.29
load	R2-12-47-1_load_41	constant_power_B	3192.25	1180.83	1596.125	590.415
load	R2-12-47-1_load_41	constant_power_C	3552.75	1305.96	1776.375	652.98
load	R2-12-47-1_load_41	constant_power_A_real	3463.93	0.0	1731.965	0.0
load	R2-12-47-1_load_41	constant_power_B_real	3192.25	0.0	1596.125	0.0
load	R2-12-47-1_load_41	constant_power_C_real	3552.75	0.0	1776.375	0.0
load	R2-12-47-1_load_41	constant_power_A_reac	1282.58	0.0	641.29	0.0
load	R2-12-47-1_load_41	constant_power_B_reac	1180.83	0.0	590.415	0.0
load	R2-12-47-1_load_41	constant_power_C_reac	1305.96	0.0	652.98	0.0
load	R2-12-47-1_load_42	constant_power_A	17319.6	6412.9	8659.8	3206.45
load	R2-12-47-1_load_42	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_42	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_42	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_42	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_42	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_43	constant_power_A	3463.93	1282.58	1731.965	641.29
load	R2-12-47-1_load_43	constant_power_B	3192.25	1180.83	1596.125	590.415
load	R2-12-47-1_load_43	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_43	constant_power_A_real	3463.93	0.0	1731.965	0.0
load	R2-12-47-1_load_43	constant_power_B_real	3192.25	0.0	1596.125	0.0
load	R2-12-47-1_load_43	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_43	constant_power_A_reac	1282.58	0.0	641.29	0.0
load	R2-12-47-1_load_43	constant_power_B_reac	1180.83	0.0	590.415	0.0
load	R2-12-47-1_load_43	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_44	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_44	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_44	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_44	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_44	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_44	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_44	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_44	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_44	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_45	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_45	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_45	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_45	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_45	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_45	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_45	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_45	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_45	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_46	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_46	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_46	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_46	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_46	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_46	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_46	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_46	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_46	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_47	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_47	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_47	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_47	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_47	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_47	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_47	constant_power_A_reac	3206.45	0.0	1603.225	0.0

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_47	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_47	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_48	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_48	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_48	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_49	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_49	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_49	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_50	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_50	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_50	constant_power_C	5329.13	1958.93	2664.565	979.465
load	R2-12-47-1_load_50	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_50	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_50	constant_power_C_real	5329.13	0.0	2664.565	0.0
load	R2-12-47-1_load_50	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_50	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_50	constant_power_C_reac	1958.93	0.0	979.465	0.0
load	R2-12-47-1_load_51	constant_power_A	17319.6	6412.9	8659.8	3206.45
load	R2-12-47-1_load_51	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_51	constant_power_C	17763.8	6529.78	8881.9	3264.89
load	R2-12-47-1_load_51	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_51	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_51	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_51	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_51	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_51	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_52	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_52	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_52	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_52	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_52	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_52	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_53	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_53	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_53	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_54	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_54	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_54	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_54	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_54	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_54	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_54	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_54	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_54	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_55	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_55	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_55	constant_power_C	5329.13	1958.93	2664.565	979.465
load	R2-12-47-1_load_55	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_55	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_55	constant_power_C_real	5329.13	0.0	2664.565	0.0
load	R2-12-47-1_load_55	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_55	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_55	constant_power_C_reac	1958.93	0.0	979.465	0.0
load	R2-12-47-1_load_56	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_56	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_56	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_57	constant_power_A	25979.5	9619.35	12989.75	4809.675
load	R2-12-47-1_load_57	constant_power_B	23941.8	8856.25	11970.9	4428.125
load	R2-12-47-1_load_57	constant_power_C	26645.7	9794.67	13322.85	4897.335
load	R2-12-47-1_load_57	constant_power_A_real	25979.5	0.0	12989.75	0.0
load	R2-12-47-1_load_57	constant_power_B_real	23941.8	0.0	11970.9	0.0
load	R2-12-47-1_load_57	constant_power_C_real	26645.7	0.0	13322.85	0.0

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_57	constant_power_A_reac	9619.35	0.0	4809.675	0.0
load	R2-12-47-1_load_57	constant_power_B_reac	8856.25	0.0	4428.125	0.0
load	R2-12-47-1_load_57	constant_power_C_reac	9794.67	0.0	4897.335	0.0
load	R2-12-47-1_load_58	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_58	constant_power_C	17763.8	6529.78	8881.9	3264.89
load	R2-12-47-1_load_58	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_58	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_58	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_58	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_59	constant_power_A	17319.6	6412.9	8659.8	3206.45
load	R2-12-47-1_load_59	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_59	constant_power_C	17763.8	6529.78	8881.9	3264.89
load	R2-12-47-1_load_59	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_59	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_59	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_59	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_59	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_59	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_60	constant_power_B	15961.2	5904.17	7980.6	2952.085
load	R2-12-47-1_load_60	constant_power_C	17763.8	6529.78	8881.9	3264.89
load	R2-12-47-1_load_60	constant_power_B_real	15961.2	0.0	7980.6	0.0
load	R2-12-47-1_load_60	constant_power_C_real	17763.8	0.0	8881.9	0.0
load	R2-12-47-1_load_60	constant_power_B_reac	5904.17	0.0	2952.085	0.0
load	R2-12-47-1_load_60	constant_power_C_reac	6529.78	0.0	3264.89	0.0
load	R2-12-47-1_load_61	constant_power_C	59331.0	21809.5	29665.5	10904.75
load	R2-12-47-1_load_61	constant_power_C_real	59331.0	0.0	29665.5	0.0
load	R2-12-47-1_load_61	constant_power_C_reac	21809.5	0.0	10904.75	0.0
load	R2-12-47-1_load_62	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_62	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_62	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_62	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_62	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_62	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_62	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_62	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_62	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_63	constant_power_A	34639.3	12825.8	17319.65	6412.9
load	R2-12-47-1_load_63	constant_power_B	31922.5	11808.3	15961.25	5904.15
load	R2-12-47-1_load_63	constant_power_C	35527.5	13059.6	17763.75	6529.8
load	R2-12-47-1_load_63	constant_power_A_real	34639.3	0.0	17319.65	0.0
load	R2-12-47-1_load_63	constant_power_B_real	31922.5	0.0	15961.25	0.0
load	R2-12-47-1_load_63	constant_power_C_real	35527.5	0.0	17763.75	0.0
load	R2-12-47-1_load_63	constant_power_A_reac	12825.8	0.0	6412.9	0.0
load	R2-12-47-1_load_63	constant_power_B_reac	11808.3	0.0	5904.15	0.0
load	R2-12-47-1_load_63	constant_power_C_reac	13059.6	0.0	6529.8	0.0
load	R2-12-47-1_load_64	constant_power_A	57732.2	21376.3	28866.1	10688.15
load	R2-12-47-1_load_64	constant_power_B	53204.1	19680.6	26602.05	9840.3
load	R2-12-47-1_load_64	constant_power_C	59212.6	21765.9	29606.3	10882.95
load	R2-12-47-1_load_64	constant_power_A_real	57732.2	0.0	28866.1	0.0
load	R2-12-47-1_load_64	constant_power_B_real	53204.1	0.0	26602.05	0.0
load	R2-12-47-1_load_64	constant_power_C_real	59212.6	0.0	29606.3	0.0
load	R2-12-47-1_load_64	constant_power_A_reac	21376.3	0.0	10688.15	0.0
load	R2-12-47-1_load_64	constant_power_B_reac	19680.6	0.0	9840.3	0.0
load	R2-12-47-1_load_64	constant_power_C_reac	21765.9	0.0	10882.95	0.0
load	R2-12-47-1_load_65	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_65	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_65	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_65	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_65	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_65	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_65	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_65	constant_power_B_reac	2952.08	0.0	1476.04	0.0

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_65	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_66	constant_power_C	3552.75	1305.96	1776.375	652.98
load	R2-12-47-1_load_66	constant_power_C_real	3552.75	0.0	1776.375	0.0
load	R2-12-47-1_load_66	constant_power_C_reac	1305.96	0.0	652.98	0.0
load	R2-12-47-1_load_67	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_67	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_67	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_67	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_67	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_67	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_67	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_67	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_67	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_68	constant_power_A	34639.3	12825.8	17319.65	6412.9
load	R2-12-47-1_load_68	constant_power_A_real	34639.3	0.0	17319.65	0.0
load	R2-12-47-1_load_68	constant_power_A_reac	12825.8	0.0	6412.9	0.0
load	R2-12-47-1_load_69	constant_power_A	34639.3	12825.8	17319.65	6412.9
load	R2-12-47-1_load_69	constant_power_B	31922.5	11808.3	15961.25	5904.15
load	R2-12-47-1_load_69	constant_power_C	35527.5	13059.6	17763.75	6529.8
load	R2-12-47-1_load_69	constant_power_A_real	34639.3	0.0	17319.65	0.0
load	R2-12-47-1_load_69	constant_power_B_real	31922.5	0.0	15961.25	0.0
load	R2-12-47-1_load_69	constant_power_C_real	35527.5	0.0	17763.75	0.0
load	R2-12-47-1_load_69	constant_power_A_reac	12825.8	0.0	6412.9	0.0
load	R2-12-47-1_load_69	constant_power_B_reac	11808.3	0.0	5904.15	0.0
load	R2-12-47-1_load_69	constant_power_C_reac	13059.6	0.0	6529.8	0.0
load	R2-12-47-1_load_70	constant_power_A	86598.2	32064.5	43299.1	16032.25
load	R2-12-47-1_load_70	constant_power_B	79806.1	29520.8	39903.05	14760.4
load	R2-12-47-1_load_70	constant_power_C	88818.8	32648.9	44409.4	16324.45
load	R2-12-47-1_load_70	constant_power_A_real	86598.2	0.0	43299.1	0.0
load	R2-12-47-1_load_70	constant_power_B_real	79806.1	0.0	39903.05	0.0
load	R2-12-47-1_load_70	constant_power_C_real	88818.8	0.0	44409.4	0.0
load	R2-12-47-1_load_70	constant_power_A_reac	32064.5	0.0	16032.25	0.0
load	R2-12-47-1_load_70	constant_power_B_reac	29520.8	0.0	14760.4	0.0
load	R2-12-47-1_load_70	constant_power_C_reac	32648.9	0.0	16324.45	0.0
load	R2-12-47-1_load_71	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_71	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_71	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_71	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_71	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_71	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_71	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_71	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_71	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_72	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_72	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_72	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_72	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_72	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_72	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_72	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_72	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_72	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_73	constant_power_A	1731.96	641.29	865.98	320.645
load	R2-12-47-1_load_73	constant_power_A_real	1731.96	0.0	865.98	0.0
load	R2-12-47-1_load_73	constant_power_A_reac	641.29	0.0	320.645	0.0
load	R2-12-47-1_load_74	constant_power_A	17319.6	6412.9	8659.8	3206.45
load	R2-12-47-1_load_74	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_74	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_75	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_75	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_75	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_76	constant_power_A	17319.6	6412.9	8659.8	3206.45

Table 23: Validation data for loadfactor taxonomy R2-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-1_load_76	constant_power_A_real	17319.6	0.0	8659.8	0.0
load	R2-12-47-1_load_76	constant_power_A_reac	6412.9	0.0	3206.45	0.0
load	R2-12-47-1_load_77	constant_power_A	57847.6	21419.1	28923.8	10709.55
load	R2-12-47-1_load_77	constant_power_A_real	57847.6	0.0	28923.8	0.0
load	R2-12-47-1_load_77	constant_power_A_reac	21419.1	0.0	10709.55	0.0
load	R2-12-47-1_load_78	constant_power_A	5195.89	1923.87	2597.945	961.935
load	R2-12-47-1_load_78	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_78	constant_power_C	5329.13	1958.93	2664.565	979.465
load	R2-12-47-1_load_78	constant_power_A_real	5195.89	0.0	2597.945	0.0
load	R2-12-47-1_load_78	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_78	constant_power_C_real	5329.13	0.0	2664.565	0.0
load	R2-12-47-1_load_78	constant_power_A_reac	1923.87	0.0	961.935	0.0
load	R2-12-47-1_load_78	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_78	constant_power_C_reac	1958.93	0.0	979.465	0.0
load	R2-12-47-1_load_79	constant_power_B	4788.37	1771.25	2394.185	885.625
load	R2-12-47-1_load_79	constant_power_B_real	4788.37	0.0	2394.185	0.0
load	R2-12-47-1_load_79	constant_power_B_reac	1771.25	0.0	885.625	0.0
load	R2-12-47-1_load_80	constant_power_A	8659.82	3206.45	4329.91	1603.225
load	R2-12-47-1_load_80	constant_power_B	7980.61	2952.08	3990.305	1476.04
load	R2-12-47-1_load_80	constant_power_C	8881.88	3264.89	4440.94	1632.445
load	R2-12-47-1_load_80	constant_power_A_real	8659.82	0.0	4329.91	0.0
load	R2-12-47-1_load_80	constant_power_B_real	7980.61	0.0	3990.305	0.0
load	R2-12-47-1_load_80	constant_power_C_real	8881.88	0.0	4440.94	0.0
load	R2-12-47-1_load_80	constant_power_A_reac	3206.45	0.0	1603.225	0.0
load	R2-12-47-1_load_80	constant_power_B_reac	2952.08	0.0	1476.04	0.0
load	R2-12-47-1_load_80	constant_power_C_reac	3264.89	0.0	1632.445	0.0
load	R2-12-47-1_load_81	constant_power_A	25979.5	9619.35	12989.75	4809.675
load	R2-12-47-1_load_81	constant_power_B	23941.8	8856.25	11970.9	4428.125
load	R2-12-47-1_load_81	constant_power_C	26645.7	9794.67	13322.85	4897.335
load	R2-12-47-1_load_81	constant_power_A_real	25979.5	0.0	12989.75	0.0
load	R2-12-47-1_load_81	constant_power_B_real	23941.8	0.0	11970.9	0.0
load	R2-12-47-1_load_81	constant_power_C_real	26645.7	0.0	13322.85	0.0
load	R2-12-47-1_load_81	constant_power_A_reac	9619.35	0.0	4809.675	0.0
load	R2-12-47-1_load_81	constant_power_B_reac	8856.25	0.0	4428.125	0.0
load	R2-12-47-1_load_81	constant_power_C_reac	9794.67	0.0	4897.335	0.0
load	R2-12-47-1_load_82	constant_power_A	288661.0	106882.0	144330.5	53441.0
load	R2-12-47-1_load_82	constant_power_B	266020.0	98402.8	133010.0	49201.4
load	R2-12-47-1_load_82	constant_power_C	296063.0	108830.0	148031.5	54415.0
load	R2-12-47-1_load_82	constant_power_A_real	288661.0	0.0	144330.5	0.0
load	R2-12-47-1_load_82	constant_power_B_real	266020.0	0.0	133010.0	0.0
load	R2-12-47-1_load_82	constant_power_C_real	296063.0	0.0	148031.5	0.0
load	R2-12-47-1_load_82	constant_power_A_reac	106882.0	0.0	53441.0	0.0
load	R2-12-47-1_load_82	constant_power_B_reac	98402.8	0.0	49201.4	0.0
load	R2-12-47-1_load_82	constant_power_C_reac	108830.0	0.0	54415.0	0.0

Table 24: Validation data for loadfactor taxonomy R2-12470-2 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-2_load_1	constant_power_A	99926.9	81192.0	49963.45	40596.0
load	R2-12-47-2_load_1	constant_power_B	90146.7	69095.9	45073.35	34547.95
load	R2-12-47-2_load_1	constant_power_C	88901.9	63581.1	44450.95	31790.55
load	R2-12-47-2_load_1	constant_power_A_real	99926.9	0.0	49963.45	0.0
load	R2-12-47-2_load_1	constant_power_B_real	90146.7	0.0	45073.35	0.0
load	R2-12-47-2_load_1	constant_power_C_real	88901.9	0.0	44450.95	0.0
load	R2-12-47-2_load_1	constant_power_A_reac	81192.0	0.0	40596.0	0.0
load	R2-12-47-2_load_1	constant_power_B_reac	69095.9	0.0	34547.95	0.0
load	R2-12-47-2_load_1	constant_power_C_reac	63581.1	0.0	31790.55	0.0
load	R2-12-47-2_load_2	constant_power_A	59954.9	48714.2	29977.45	24357.1
load	R2-12-47-2_load_2	constant_power_B	54086.9	41456.7	27043.45	20728.35
load	R2-12-47-2_load_2	constant_power_C	53340.0	38147.9	26670.0	19073.95
load	R2-12-47-2_load_2	constant_power_A_real	59954.9	0.0	29977.45	0.0
load	R2-12-47-2_load_2	constant_power_B_real	54086.9	0.0	27043.45	0.0

Table 24: Validation data for loadfactor taxonomy R2-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-2_load_2	constant_power_C_real	53340.0	0.0	26670.0	0.0
load	R2-12-47-2_load_2	constant_power_A_reac	48714.2	0.0	24357.1	0.0
load	R2-12-47-2_load_2	constant_power_B_reac	41456.7	0.0	20728.35	0.0
load	R2-12-47-2_load_2	constant_power_C_reac	38147.9	0.0	19073.95	0.0
load	R2-12-47-2_load_3	constant_power_A	8993.24	7307.13	4496.62	3653.565
load	R2-12-47-2_load_3	constant_power_B	13521.7	10364.2	6760.85	5182.1
load	R2-12-47-2_load_3	constant_power_C	8001.01	5722.19	4000.505	2861.095
load	R2-12-47-2_load_3	constant_power_A_real	8993.24	0.0	4496.62	0.0
load	R2-12-47-2_load_3	constant_power_B_real	13521.7	0.0	6760.85	0.0
load	R2-12-47-2_load_3	constant_power_C_real	8001.01	0.0	4000.505	0.0
load	R2-12-47-2_load_3	constant_power_A_reac	7307.13	0.0	3653.565	0.0
load	R2-12-47-2_load_3	constant_power_B_reac	10364.2	0.0	5182.1	0.0
load	R2-12-47-2_load_3	constant_power_C_reac	5722.19	0.0	2861.095	0.0
load	R2-12-47-2_load_4	constant_power_A	29977.5	24357.1	14988.75	12178.55
load	R2-12-47-2_load_4	constant_power_B	27043.5	20728.3	13521.75	10364.15
load	R2-12-47-2_load_4	constant_power_C	26670.0	19074.0	13335.0	9537.0
load	R2-12-47-2_load_4	constant_power_A_real	29977.5	0.0	14988.75	0.0
load	R2-12-47-2_load_4	constant_power_B_real	27043.5	0.0	13521.75	0.0
load	R2-12-47-2_load_4	constant_power_C_real	26670.0	0.0	13335.0	0.0
load	R2-12-47-2_load_4	constant_power_A_reac	24357.1	0.0	12178.55	0.0
load	R2-12-47-2_load_4	constant_power_B_reac	20728.3	0.0	10364.15	0.0
load	R2-12-47-2_load_4	constant_power_C_reac	19074.0	0.0	9537.0	0.0
load	R2-12-47-2_load_5	constant_power_A	29977.5	24357.1	14988.75	12178.55
load	R2-12-47-2_load_5	constant_power_B	27043.5	20728.3	13521.75	10364.15
load	R2-12-47-2_load_5	constant_power_C	26670.0	19074.0	13335.0	9537.0
load	R2-12-47-2_load_5	constant_power_A_real	29977.5	0.0	14988.75	0.0
load	R2-12-47-2_load_5	constant_power_B_real	27043.5	0.0	13521.75	0.0
load	R2-12-47-2_load_5	constant_power_C_real	26670.0	0.0	13335.0	0.0
load	R2-12-47-2_load_5	constant_power_A_reac	24357.1	0.0	12178.55	0.0
load	R2-12-47-2_load_5	constant_power_B_reac	20728.3	0.0	10364.15	0.0
load	R2-12-47-2_load_5	constant_power_C_reac	19074.0	0.0	9537.0	0.0
load	R2-12-47-2_load_6	constant_power_C	26670.0	19074.0	13335.0	9537.0
load	R2-12-47-2_load_6	constant_power_C_real	26670.0	0.0	13335.0	0.0
load	R2-12-47-2_load_6	constant_power_C_reac	19074.0	0.0	9537.0	0.0
load	R2-12-47-2_load_7	constant_power_A	14988.7	12178.6	7494.35	6089.3
load	R2-12-47-2_load_7	constant_power_B	27043.5	20728.3	13521.75	10364.15
load	R2-12-47-2_load_7	constant_power_C	13335.0	9536.98	6667.5	4768.49
load	R2-12-47-2_load_7	constant_power_A_real	14988.7	0.0	7494.35	0.0
load	R2-12-47-2_load_7	constant_power_B_real	27043.5	0.0	13521.75	0.0
load	R2-12-47-2_load_7	constant_power_C_real	13335.0	0.0	6667.5	0.0
load	R2-12-47-2_load_7	constant_power_A_reac	12178.6	0.0	6089.3	0.0
load	R2-12-47-2_load_7	constant_power_B_reac	20728.3	0.0	10364.15	0.0
load	R2-12-47-2_load_7	constant_power_C_reac	9536.98	0.0	4768.49	0.0
load	R2-12-47-2_load_8	constant_power_A	80939.2	65764.2	40469.6	32882.1
load	R2-12-47-2_load_8	constant_power_B	73017.3	55966.5	36508.65	27983.25
load	R2-12-47-2_load_8	constant_power_C	72009.1	51499.7	36004.55	25749.85
load	R2-12-47-2_load_8	constant_power_A_real	80939.2	0.0	40469.6	0.0
load	R2-12-47-2_load_8	constant_power_B_real	73017.3	0.0	36508.65	0.0
load	R2-12-47-2_load_8	constant_power_C_real	72009.1	0.0	36004.55	0.0
load	R2-12-47-2_load_8	constant_power_A_reac	65764.2	0.0	32882.1	0.0
load	R2-12-47-2_load_8	constant_power_B_reac	55966.5	0.0	27983.25	0.0
load	R2-12-47-2_load_8	constant_power_C_reac	51499.7	0.0	25749.85	0.0

Table 25: Validation data for loadfactor taxonomy R2-12470-3 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-3_load_1	constant_power_A	56563.7	28638.7	28281.85	14319.35
load	R2-12-47-3_load_1	constant_power_B	71482.2	35330.0	35741.1	17665.0
load	R2-12-47-3_load_1	constant_power_C	58895.8	28580.7	29447.9	14290.35
load	R2-12-47-3_load_1	constant_power_A_real	56563.7	0.0	28281.85	0.0
load	R2-12-47-3_load_1	constant_power_B_real	71482.2	0.0	35741.1	0.0
load	R2-12-47-3_load_1	constant_power_C_real	58895.8	0.0	29447.9	0.0

Table 25: Validation data for loadfactor taxonomy R2-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-3.load_1	constant_power_A_reac	28638.7	0.0	14319.35	0.0
load	R2-12-47-3.load_1	constant_power_B_reac	35330.0	0.0	17665.0	0.0
load	R2-12-47-3.load_1	constant_power_C_reac	28580.7	0.0	14290.35	0.0
load	R2-12-47-3.load_2	constant_power_A	2530.18	1281.05	1265.09	640.525
load	R2-12-47-3.load_2	constant_power_B	3197.51	1580.37	1598.755	790.185
load	R2-12-47-3.load_2	constant_power_C	2634.5	1278.46	1317.25	639.23
load	R2-12-47-3.load_2	constant_power_A_real	2530.18	0.0	1265.09	0.0
load	R2-12-47-3.load_2	constant_power_B_real	3197.51	0.0	1598.755	0.0
load	R2-12-47-3.load_2	constant_power_C_real	2634.5	0.0	1317.25	0.0
load	R2-12-47-3.load_2	constant_power_A_reac	1281.05	0.0	640.525	0.0
load	R2-12-47-3.load_2	constant_power_B_reac	1580.37	0.0	790.185	0.0
load	R2-12-47-3.load_2	constant_power_C_reac	1278.46	0.0	639.23	0.0
load	R2-12-47-3.load_3	constant_power_A	5060.36	2562.11	2530.18	1281.055
load	R2-12-47-3.load_3	constant_power_B	6395.01	3160.73	3197.505	1580.365
load	R2-12-47-3.load_3	constant_power_C	5269.0	2556.91	2634.5	1278.455
load	R2-12-47-3.load_3	constant_power_A_real	5060.36	0.0	2530.18	0.0
load	R2-12-47-3.load_3	constant_power_B_real	6395.01	0.0	3197.505	0.0
load	R2-12-47-3.load_3	constant_power_C_real	5269.0	0.0	2634.5	0.0
load	R2-12-47-3.load_3	constant_power_A_reac	2562.11	0.0	1281.055	0.0
load	R2-12-47-3.load_3	constant_power_B_reac	3160.73	0.0	1580.365	0.0
load	R2-12-47-3.load_3	constant_power_C_reac	2556.91	0.0	1278.455	0.0
load	R2-12-47-3.load_4	constant_power_A	5060.36	2562.11	2530.18	1281.055
load	R2-12-47-3.load_4	constant_power_B	6395.01	3160.73	3197.505	1580.365
load	R2-12-47-3.load_4	constant_power_C	5269.0	2556.91	2634.5	1278.455
load	R2-12-47-3.load_4	constant_power_A_real	5060.36	0.0	2530.18	0.0
load	R2-12-47-3.load_4	constant_power_B_real	6395.01	0.0	3197.505	0.0
load	R2-12-47-3.load_4	constant_power_C_real	5269.0	0.0	2634.5	0.0
load	R2-12-47-3.load_4	constant_power_A_reac	2562.11	0.0	1281.055	0.0
load	R2-12-47-3.load_4	constant_power_B_reac	3160.73	0.0	1580.365	0.0
load	R2-12-47-3.load_4	constant_power_C_reac	2556.91	0.0	1278.455	0.0
load	R2-12-47-3.load_5	constant_power_A	25301.8	12810.5	12650.9	6405.25
load	R2-12-47-3.load_5	constant_power_B	31975.1	15803.7	15987.55	7901.85
load	R2-12-47-3.load_5	constant_power_C	26345.0	12784.6	13172.5	6392.3
load	R2-12-47-3.load_5	constant_power_A_real	25301.8	0.0	12650.9	0.0
load	R2-12-47-3.load_5	constant_power_B_real	31975.1	0.0	15987.55	0.0
load	R2-12-47-3.load_5	constant_power_C_real	26345.0	0.0	13172.5	0.0
load	R2-12-47-3.load_5	constant_power_A_reac	12810.5	0.0	6405.25	0.0
load	R2-12-47-3.load_5	constant_power_B_reac	15803.7	0.0	7901.85	0.0
load	R2-12-47-3.load_5	constant_power_C_reac	12784.6	0.0	6392.3	0.0
load	R2-12-47-3.load_6	constant_power_A	5060.36	2562.11	2530.18	1281.055
load	R2-12-47-3.load_6	constant_power_B	6395.01	3160.73	3197.505	1580.365
load	R2-12-47-3.load_6	constant_power_C	5269.0	2556.91	2634.5	1278.455
load	R2-12-47-3.load_6	constant_power_A_real	5060.36	0.0	2530.18	0.0
load	R2-12-47-3.load_6	constant_power_B_real	6395.01	0.0	3197.505	0.0
load	R2-12-47-3.load_6	constant_power_C_real	5269.0	0.0	2634.5	0.0
load	R2-12-47-3.load_6	constant_power_A_reac	2562.11	0.0	1281.055	0.0
load	R2-12-47-3.load_6	constant_power_B_reac	3160.73	0.0	1580.365	0.0
load	R2-12-47-3.load_6	constant_power_C_reac	2556.91	0.0	1278.455	0.0
load	R2-12-47-3.load_7	constant_power_A	8433.93	4270.18	4216.965	2135.09
load	R2-12-47-3.load_7	constant_power_A_real	8433.93	0.0	4216.965	0.0
load	R2-12-47-3.load_7	constant_power_A_reac	4270.18	0.0	2135.09	0.0
load	R2-12-47-3.load_8	constant_power_A	33735.7	17080.7	16867.85	8540.35
load	R2-12-47-3.load_8	constant_power_B	42633.4	21071.6	21316.7	10535.8
load	R2-12-47-3.load_8	constant_power_C	35126.7	17046.1	17563.35	8523.05
load	R2-12-47-3.load_8	constant_power_A_real	33735.7	0.0	16867.85	0.0
load	R2-12-47-3.load_8	constant_power_B_real	42633.4	0.0	21316.7	0.0
load	R2-12-47-3.load_8	constant_power_C_real	35126.7	0.0	17563.35	0.0
load	R2-12-47-3.load_8	constant_power_A_reac	17080.7	0.0	8540.35	0.0
load	R2-12-47-3.load_8	constant_power_B_reac	21071.6	0.0	10535.8	0.0
load	R2-12-47-3.load_8	constant_power_C_reac	17046.1	0.0	8523.05	0.0
load	R2-12-47-3.load_9	constant_power_A	8433.93	4270.18	4216.965	2135.09
load	R2-12-47-3.load_9	constant_power_A_real	8433.93	0.0	4216.965	0.0

Table 25: Validation data for loadfactor taxonomy R2-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-12-47-3_load_9	constant_power_A_reac	4270.18	0.0	2135.09	0.0
load	R2-12-47-3_load_10	constant_power_A	3373.57	1708.07	1686.785	854.035
load	R2-12-47-3_load_10	constant_power_A_real	3373.57	0.0	1686.785	0.0
load	R2-12-47-3_load_10	constant_power_A_reac	1708.07	0.0	854.035	0.0
load	R2-12-47-3_load_11	constant_power_A	33735.7	17080.7	16867.85	8540.35
load	R2-12-47-3_load_11	constant_power_B	42633.4	21071.6	21316.7	10535.8
load	R2-12-47-3_load_11	constant_power_C	35126.7	17046.1	17563.35	8523.05
load	R2-12-47-3_load_11	constant_power_A_real	33735.7	0.0	16867.85	0.0
load	R2-12-47-3_load_11	constant_power_B_real	42633.4	0.0	21316.7	0.0
load	R2-12-47-3_load_11	constant_power_C_real	35126.7	0.0	17563.35	0.0
load	R2-12-47-3_load_11	constant_power_A_reac	17080.7	0.0	8540.35	0.0
load	R2-12-47-3_load_11	constant_power_B_reac	21071.6	0.0	10535.8	0.0
load	R2-12-47-3_load_11	constant_power_C_reac	17046.1	0.0	8523.05	0.0

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_1	constant_power_A	141703.0	82991.6	70851.5	41495.8
load	R2-25-00-1_load_1	constant_power_B	138260.0	84772.6	69130.0	42386.3
load	R2-25-00-1_load_1	constant_power_C	139738.0	82584.5	69869.0	41292.25
load	R2-25-00-1_load_1	constant_power_A_real	141703.0	0.0	70851.5	0.0
load	R2-25-00-1_load_1	constant_power_B_real	138260.0	0.0	69130.0	0.0
load	R2-25-00-1_load_1	constant_power_C_real	139738.0	0.0	69869.0	0.0
load	R2-25-00-1_load_1	constant_power_A_reac	82991.6	0.0	41495.8	0.0
load	R2-25-00-1_load_1	constant_power_B_reac	84772.6	0.0	42386.3	0.0
load	R2-25-00-1_load_1	constant_power_C_reac	82584.5	0.0	41292.25	0.0
load	R2-25-00-1_load_2	constant_power_A	213403.0	136992.0	106701.5	68496.0
load	R2-25-00-1_load_2	constant_power_B	209960.0	138773.0	104980.0	69386.5
load	R2-25-00-1_load_2	constant_power_C	211438.0	136585.0	105719.0	68292.5
load	R2-25-00-1_load_2	constant_power_A_real	213403.0	0.0	106701.5	0.0
load	R2-25-00-1_load_2	constant_power_B_real	209960.0	0.0	104980.0	0.0
load	R2-25-00-1_load_2	constant_power_C_real	211438.0	0.0	105719.0	0.0
load	R2-25-00-1_load_2	constant_power_A_reac	136992.0	0.0	68496.0	0.0
load	R2-25-00-1_load_2	constant_power_B_reac	138773.0	0.0	69386.5	0.0
load	R2-25-00-1_load_2	constant_power_C_reac	136585.0	0.0	68292.5	0.0
load	R2-25-00-1_load_3	constant_power_A	25686.8	6210.38	12843.4	3105.19
load	R2-25-00-1_load_3	constant_power_B	23793.0	7189.91	11896.5	3594.955
load	R2-25-00-1_load_3	constant_power_C	24606.1	5986.48	12303.05	2993.24
load	R2-25-00-1_load_3	constant_power_A_real	25686.8	0.0	12843.4	0.0
load	R2-25-00-1_load_3	constant_power_B_real	23793.0	0.0	11896.5	0.0
load	R2-25-00-1_load_3	constant_power_C_real	24606.1	0.0	12303.05	0.0
load	R2-25-00-1_load_3	constant_power_A_reac	6210.38	0.0	3105.19	0.0
load	R2-25-00-1_load_3	constant_power_B_reac	7189.91	0.0	3594.955	0.0
load	R2-25-00-1_load_3	constant_power_C_reac	5986.48	0.0	2993.24	0.0
load	R2-25-00-1_load_4	constant_power_A	23351.6	5645.8	11675.8	2822.9
load	R2-25-00-1_load_4	constant_power_B	21630.0	6536.28	10815.0	3268.14
load	R2-25-00-1_load_4	constant_power_C	22369.2	5442.25	11184.6	2721.125
load	R2-25-00-1_load_4	constant_power_A_real	23351.6	0.0	11675.8	0.0
load	R2-25-00-1_load_4	constant_power_B_real	21630.0	0.0	10815.0	0.0
load	R2-25-00-1_load_4	constant_power_C_real	22369.2	0.0	11184.6	0.0
load	R2-25-00-1_load_4	constant_power_A_reac	5645.8	0.0	2822.9	0.0
load	R2-25-00-1_load_4	constant_power_B_reac	6536.28	0.0	3268.14	0.0
load	R2-25-00-1_load_4	constant_power_C_reac	5442.25	0.0	2721.125	0.0
load	R2-25-00-1_load_5	constant_power_A	11675.8	2822.9	5837.9	1411.45
load	R2-25-00-1_load_5	constant_power_B	10815.0	3268.14	5407.5	1634.07
load	R2-25-00-1_load_5	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_5	constant_power_A_real	11675.8	0.0	5837.9	0.0
load	R2-25-00-1_load_5	constant_power_B_real	10815.0	0.0	5407.5	0.0
load	R2-25-00-1_load_5	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_5	constant_power_A_reac	2822.9	0.0	1411.45	0.0
load	R2-25-00-1_load_5	constant_power_B_reac	3268.14	0.0	1634.07	0.0
load	R2-25-00-1_load_5	constant_power_C_reac	2721.13	0.0	1360.565	0.0

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_6	constant_power_C	4473.83	1088.45	2236.915	544.225
load	R2-25-00-1_load_6	constant_power_C_real	4473.83	0.0	2236.915	0.0
load	R2-25-00-1_load_6	constant_power_C_reac	1088.45	0.0	544.225	0.0
load	R2-25-00-1_load_7	constant_power_A	70000.0	52700.0	35000.0	26350.0
load	R2-25-00-1_load_7	constant_power_B	70000.0	52700.0	35000.0	26350.0
load	R2-25-00-1_load_7	constant_power_C	70000.0	52700.0	35000.0	26350.0
load	R2-25-00-1_load_7	constant_power_A_real	70000.0	0.0	35000.0	0.0
load	R2-25-00-1_load_7	constant_power_B_real	70000.0	0.0	35000.0	0.0
load	R2-25-00-1_load_7	constant_power_C_real	70000.0	0.0	35000.0	0.0
load	R2-25-00-1_load_7	constant_power_A_reac	52700.0	0.0	26350.0	0.0
load	R2-25-00-1_load_7	constant_power_B_reac	52700.0	0.0	26350.0	0.0
load	R2-25-00-1_load_7	constant_power_C_reac	52700.0	0.0	26350.0	0.0
load	R2-25-00-1_load_8	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_8	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_8	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_9	constant_power_A	59975.8	38822.9	29987.9	19411.45
load	R2-25-00-1_load_9	constant_power_B	59115.0	39268.1	29557.5	19634.05
load	R2-25-00-1_load_9	constant_power_C	59484.6	38721.1	29742.3	19360.55
load	R2-25-00-1_load_9	constant_power_A_real	59975.8	0.0	29987.9	0.0
load	R2-25-00-1_load_9	constant_power_B_real	59115.0	0.0	29557.5	0.0
load	R2-25-00-1_load_9	constant_power_C_real	59484.6	0.0	29742.3	0.0
load	R2-25-00-1_load_9	constant_power_A_reac	38822.9	0.0	19411.45	0.0
load	R2-25-00-1_load_9	constant_power_B_reac	39268.1	0.0	19634.05	0.0
load	R2-25-00-1_load_9	constant_power_C_reac	38721.1	0.0	19360.55	0.0
load	R2-25-00-1_load_10	constant_power_C	40264.5	9796.05	20132.25	4898.025
load	R2-25-00-1_load_10	constant_power_C_real	40264.5	0.0	20132.25	0.0
load	R2-25-00-1_load_10	constant_power_C_reac	9796.05	0.0	4898.025	0.0
load	R2-25-00-1_load_11	constant_power_A	58379.1	14114.5	29189.55	7057.25
load	R2-25-00-1_load_11	constant_power_B	54075.0	16340.7	27037.5	8170.35
load	R2-25-00-1_load_11	constant_power_C	55922.9	13605.6	27961.45	6802.8
load	R2-25-00-1_load_11	constant_power_A_real	58379.1	0.0	29189.55	0.0
load	R2-25-00-1_load_11	constant_power_B_real	54075.0	0.0	27037.5	0.0
load	R2-25-00-1_load_11	constant_power_C_real	55922.9	0.0	27961.45	0.0
load	R2-25-00-1_load_11	constant_power_A_reac	14114.5	0.0	7057.25	0.0
load	R2-25-00-1_load_11	constant_power_B_reac	16340.7	0.0	8170.35	0.0
load	R2-25-00-1_load_11	constant_power_C_reac	13605.6	0.0	6802.8	0.0
load	R2-25-00-1_load_12	constant_power_B	10815.0	3268.14	5407.5	1634.07
load	R2-25-00-1_load_12	constant_power_B_real	10815.0	0.0	5407.5	0.0
load	R2-25-00-1_load_12	constant_power_B_reac	3268.14	0.0	1634.07	0.0
load	R2-25-00-1_load_13	constant_power_A	3891.94	940.966	1945.97	470.483
load	R2-25-00-1_load_13	constant_power_B	3605.0	1089.38	1802.5	544.69
load	R2-25-00-1_load_13	constant_power_C	3728.19	907.042	1864.095	453.521
load	R2-25-00-1_load_13	constant_power_A_real	3891.94	0.0	1945.97	0.0
load	R2-25-00-1_load_13	constant_power_B_real	3605.0	0.0	1802.5	0.0
load	R2-25-00-1_load_13	constant_power_C_real	3728.19	0.0	1864.095	0.0
load	R2-25-00-1_load_13	constant_power_A_reac	940.966	0.0	470.483	0.0
load	R2-25-00-1_load_13	constant_power_B_reac	1089.38	0.0	544.69	0.0
load	R2-25-00-1_load_13	constant_power_C_reac	907.042	0.0	453.521	0.0
load	R2-25-00-1_load_14	constant_power_C	4473.83	1088.45	2236.915	544.225
load	R2-25-00-1_load_14	constant_power_C_real	4473.83	0.0	2236.915	0.0
load	R2-25-00-1_load_14	constant_power_C_reac	1088.45	0.0	544.225	0.0
load	R2-25-00-1_load_15	constant_power_A	35027.4	8468.7	17513.7	4234.35
load	R2-25-00-1_load_15	constant_power_B	32445.0	9804.43	16222.5	4902.215
load	R2-25-00-1_load_15	constant_power_C	33553.7	8163.38	16776.85	4081.69
load	R2-25-00-1_load_15	constant_power_A_real	35027.4	0.0	17513.7	0.0
load	R2-25-00-1_load_15	constant_power_B_real	32445.0	0.0	16222.5	0.0
load	R2-25-00-1_load_15	constant_power_C_real	33553.7	0.0	16776.85	0.0
load	R2-25-00-1_load_15	constant_power_A_reac	8468.7	0.0	4234.35	0.0
load	R2-25-00-1_load_15	constant_power_B_reac	9804.43	0.0	4902.215	0.0
load	R2-25-00-1_load_15	constant_power_C_reac	8163.38	0.0	4081.69	0.0
load	R2-25-00-1_load_16	constant_power_A	35027.4	8468.7	17513.7	4234.35
load	R2-25-00-1_load_16	constant_power_B	32445.0	9804.43	16222.5	4902.215

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_16	constant_power_C	33553.7	8163.38	16776.85	4081.69
load	R2-25-00-1_load_16	constant_power_A_real	35027.4	0.0	17513.7	0.0
load	R2-25-00-1_load_16	constant_power_B_real	32445.0	0.0	16222.5	0.0
load	R2-25-00-1_load_16	constant_power_C_real	33553.7	0.0	16776.85	0.0
load	R2-25-00-1_load_16	constant_power_A_reac	8468.7	0.0	4234.35	0.0
load	R2-25-00-1_load_16	constant_power_B_reac	9804.43	0.0	4902.215	0.0
load	R2-25-00-1_load_16	constant_power_C_reac	8163.38	0.0	4081.69	0.0
load	R2-25-00-1_load_17	constant_power_C	26843.0	6530.7	13421.5	3265.35
load	R2-25-00-1_load_17	constant_power_C_real	26843.0	0.0	13421.5	0.0
load	R2-25-00-1_load_17	constant_power_C_reac	6530.7	0.0	3265.35	0.0
load	R2-25-00-1_load_18	constant_power_A	13232.6	3199.28	6616.3	1599.64
load	R2-25-00-1_load_18	constant_power_B	12257.0	3703.89	6128.5	1851.945
load	R2-25-00-1_load_18	constant_power_C	12675.8	3083.94	6337.9	1541.97
load	R2-25-00-1_load_18	constant_power_A_real	13232.6	0.0	6616.3	0.0
load	R2-25-00-1_load_18	constant_power_B_real	12257.0	0.0	6128.5	0.0
load	R2-25-00-1_load_18	constant_power_C_real	12675.8	0.0	6337.9	0.0
load	R2-25-00-1_load_18	constant_power_A_reac	3199.28	0.0	1599.64	0.0
load	R2-25-00-1_load_18	constant_power_B_reac	3703.89	0.0	1851.945	0.0
load	R2-25-00-1_load_18	constant_power_C_reac	3083.94	0.0	1541.97	0.0
load	R2-25-00-1_load_19	constant_power_A	23351.6	5645.8	11675.8	2822.9
load	R2-25-00-1_load_19	constant_power_B	21630.0	6536.28	10815.0	3268.14
load	R2-25-00-1_load_19	constant_power_C	22369.2	5442.25	11184.6	2721.125
load	R2-25-00-1_load_19	constant_power_A_real	23351.6	0.0	11675.8	0.0
load	R2-25-00-1_load_19	constant_power_B_real	21630.0	0.0	10815.0	0.0
load	R2-25-00-1_load_19	constant_power_C_real	22369.2	0.0	11184.6	0.0
load	R2-25-00-1_load_19	constant_power_A_reac	5645.8	0.0	2822.9	0.0
load	R2-25-00-1_load_19	constant_power_B_reac	6536.28	0.0	3268.14	0.0
load	R2-25-00-1_load_19	constant_power_C_reac	5442.25	0.0	2721.125	0.0
load	R2-25-00-1_load_20	constant_power_A	3113.55	752.773	1556.775	376.3865
load	R2-25-00-1_load_20	constant_power_B	2884.0	871.505	1442.0	435.7525
load	R2-25-00-1_load_20	constant_power_C	2982.56	725.634	1491.28	362.817
load	R2-25-00-1_load_20	constant_power_A_real	3113.55	0.0	1556.775	0.0
load	R2-25-00-1_load_20	constant_power_B_real	2884.0	0.0	1442.0	0.0
load	R2-25-00-1_load_20	constant_power_C_real	2982.56	0.0	1491.28	0.0
load	R2-25-00-1_load_20	constant_power_A_reac	752.773	0.0	376.3865	0.0
load	R2-25-00-1_load_20	constant_power_B_reac	871.505	0.0	435.7525	0.0
load	R2-25-00-1_load_20	constant_power_C_reac	725.634	0.0	362.817	0.0
load	R2-25-00-1_load_21	constant_power_A	10897.4	2634.7	5448.7	1317.35
load	R2-25-00-1_load_21	constant_power_B	10094.0	3050.26	5047.0	1525.13
load	R2-25-00-1_load_21	constant_power_C	10438.9	2539.71	5219.45	1269.855
load	R2-25-00-1_load_21	constant_power_A_real	10897.4	0.0	5448.7	0.0
load	R2-25-00-1_load_21	constant_power_B_real	10094.0	0.0	5047.0	0.0
load	R2-25-00-1_load_21	constant_power_C_real	10438.9	0.0	5219.45	0.0
load	R2-25-00-1_load_21	constant_power_A_reac	2634.7	0.0	1317.35	0.0
load	R2-25-00-1_load_21	constant_power_B_reac	3050.26	0.0	1525.13	0.0
load	R2-25-00-1_load_21	constant_power_C_reac	2539.71	0.0	1269.855	0.0
load	R2-25-00-1_load_22	constant_power_C	20132.2	4898.03	10066.1	2449.015
load	R2-25-00-1_load_22	constant_power_C_real	20132.2	0.0	10066.1	0.0
load	R2-25-00-1_load_22	constant_power_C_reac	4898.03	0.0	2449.015	0.0
load	R2-25-00-1_load_23	constant_power_A	35027.4	8468.7	17513.7	4234.35
load	R2-25-00-1_load_23	constant_power_B	32445.0	9804.43	16222.5	4902.215
load	R2-25-00-1_load_23	constant_power_C	33553.7	8163.38	16776.85	4081.69
load	R2-25-00-1_load_23	constant_power_A_real	35027.4	0.0	17513.7	0.0
load	R2-25-00-1_load_23	constant_power_B_real	32445.0	0.0	16222.5	0.0
load	R2-25-00-1_load_23	constant_power_C_real	33553.7	0.0	16776.85	0.0
load	R2-25-00-1_load_23	constant_power_A_reac	8468.7	0.0	4234.35	0.0
load	R2-25-00-1_load_23	constant_power_B_reac	9804.43	0.0	4902.215	0.0
load	R2-25-00-1_load_23	constant_power_C_reac	8163.38	0.0	4081.69	0.0
load	R2-25-00-1_load_24	constant_power_A	173705.0	126694.0	86852.5	63347.0
load	R2-25-00-1_load_24	constant_power_B	173189.0	126961.0	86594.5	63480.5
load	R2-25-00-1_load_24	constant_power_C	173411.0	126633.0	86705.5	63316.5
load	R2-25-00-1_load_24	constant_power_A_real	173705.0	0.0	86852.5	0.0

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_24	constant_power_B_real	173189.0	0.0	86594.5	0.0
load	R2-25-00-1_load_24	constant_power_C_real	173411.0	0.0	86705.5	0.0
load	R2-25-00-1_load_24	constant_power_A_reac	126694.0	0.0	63347.0	0.0
load	R2-25-00-1_load_24	constant_power_B_reac	126961.0	0.0	63480.5	0.0
load	R2-25-00-1_load_24	constant_power_C_reac	126633.0	0.0	63316.5	0.0
load	R2-25-00-1_load_25	constant_power_A	4670.32	1129.16	2335.16	564.58
load	R2-25-00-1_load_25	constant_power_B	4326.0	1307.26	2163.0	653.63
load	R2-25-00-1_load_25	constant_power_C	4473.83	1088.45	2236.915	544.225
load	R2-25-00-1_load_25	constant_power_A_real	4670.32	0.0	2335.16	0.0
load	R2-25-00-1_load_25	constant_power_B_real	4326.0	0.0	2163.0	0.0
load	R2-25-00-1_load_25	constant_power_C_real	4473.83	0.0	2236.915	0.0
load	R2-25-00-1_load_25	constant_power_A_reac	1129.16	0.0	564.58	0.0
load	R2-25-00-1_load_25	constant_power_B_reac	1307.26	0.0	653.63	0.0
load	R2-25-00-1_load_25	constant_power_C_reac	1088.45	0.0	544.225	0.0
load	R2-25-00-1_load_26	constant_power_A	7783.89	1881.94	3891.945	940.97
load	R2-25-00-1_load_26	constant_power_B	7210.01	2178.77	3605.005	1089.385
load	R2-25-00-1_load_26	constant_power_C	7456.4	1814.09	3728.2	907.045
load	R2-25-00-1_load_26	constant_power_A_real	7783.89	0.0	3891.945	0.0
load	R2-25-00-1_load_26	constant_power_B_real	7210.01	0.0	3605.005	0.0
load	R2-25-00-1_load_26	constant_power_C_real	7456.4	0.0	3728.2	0.0
load	R2-25-00-1_load_26	constant_power_A_reac	1881.94	0.0	940.97	0.0
load	R2-25-00-1_load_26	constant_power_B_reac	2178.77	0.0	1089.385	0.0
load	R2-25-00-1_load_26	constant_power_C_reac	1814.09	0.0	907.045	0.0
load	R2-25-00-1_load_27	constant_power_A	10576.4	5937.2	5288.2	2968.6
load	R2-25-00-1_load_27	constant_power_B	10290.6	6085.02	5145.3	3042.51
load	R2-25-00-1_load_27	constant_power_C	10413.3	5903.41	5206.65	2951.705
load	R2-25-00-1_load_27	constant_power_A_real	10576.4	0.0	5288.2	0.0
load	R2-25-00-1_load_27	constant_power_B_real	10290.6	0.0	5145.3	0.0
load	R2-25-00-1_load_27	constant_power_C_real	10413.3	0.0	5206.65	0.0
load	R2-25-00-1_load_27	constant_power_A_reac	5937.2	0.0	2968.6	0.0
load	R2-25-00-1_load_27	constant_power_B_reac	6085.02	0.0	3042.51	0.0
load	R2-25-00-1_load_27	constant_power_C_reac	5903.41	0.0	2951.705	0.0
load	R2-25-00-1_load_28	constant_power_A	11675.8	2822.9	5837.9	1411.45
load	R2-25-00-1_load_28	constant_power_B	10815.0	3268.14	5407.5	1634.07
load	R2-25-00-1_load_28	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_28	constant_power_A_real	11675.8	0.0	5837.9	0.0
load	R2-25-00-1_load_28	constant_power_B_real	10815.0	0.0	5407.5	0.0
load	R2-25-00-1_load_28	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_28	constant_power_A_reac	2822.9	0.0	1411.45	0.0
load	R2-25-00-1_load_28	constant_power_B_reac	3268.14	0.0	1634.07	0.0
load	R2-25-00-1_load_28	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_29	constant_power_C	38027.6	9251.83	19013.8	4625.915
load	R2-25-00-1_load_29	constant_power_C_real	38027.6	0.0	19013.8	0.0
load	R2-25-00-1_load_29	constant_power_C_reac	9251.83	0.0	4625.915	0.0
load	R2-25-00-1_load_30	constant_power_A	98027.4	55468.7	49013.7	27734.35
load	R2-25-00-1_load_30	constant_power_B	95445.0	56804.4	47722.5	28402.2
load	R2-25-00-1_load_30	constant_power_C	96553.7	55163.4	48276.85	27581.7
load	R2-25-00-1_load_30	constant_power_A_real	98027.4	0.0	49013.7	0.0
load	R2-25-00-1_load_30	constant_power_B_real	95445.0	0.0	47722.5	0.0
load	R2-25-00-1_load_30	constant_power_C_real	96553.7	0.0	48276.85	0.0
load	R2-25-00-1_load_30	constant_power_A_reac	55468.7	0.0	27734.35	0.0
load	R2-25-00-1_load_30	constant_power_B_reac	56804.4	0.0	28402.2	0.0
load	R2-25-00-1_load_30	constant_power_C_reac	55163.4	0.0	27581.7	0.0
load	R2-25-00-1_load_31	constant_power_A	35027.4	8468.7	17513.7	4234.35
load	R2-25-00-1_load_31	constant_power_B	32445.0	9804.43	16222.5	4902.215
load	R2-25-00-1_load_31	constant_power_C	33553.7	8163.38	16776.85	4081.69
load	R2-25-00-1_load_31	constant_power_A_real	35027.4	0.0	17513.7	0.0
load	R2-25-00-1_load_31	constant_power_B_real	32445.0	0.0	16222.5	0.0
load	R2-25-00-1_load_31	constant_power_C_real	33553.7	0.0	16776.85	0.0
load	R2-25-00-1_load_31	constant_power_A_reac	8468.7	0.0	4234.35	0.0
load	R2-25-00-1_load_31	constant_power_B_reac	9804.43	0.0	4902.215	0.0
load	R2-25-00-1_load_31	constant_power_C_reac	8163.38	0.0	4081.69	0.0

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_32	constant_power_A	35027.4	8468.7	17513.7	4234.35
load	R2-25-00-1_load_32	constant_power_A_real	35027.4	0.0	17513.7	0.0
load	R2-25-00-1_load_32	constant_power_A_reac	8468.7	0.0	4234.35	0.0
load	R2-25-00-1_load_33	constant_power_C	35790.7	8707.6	17895.35	4353.8
load	R2-25-00-1_load_33	constant_power_C_real	35790.7	0.0	17895.35	0.0
load	R2-25-00-1_load_33	constant_power_C_reac	8707.6	0.0	4353.8	0.0
load	R2-25-00-1_load_34	constant_power_A	11675.8	2822.9	5837.9	1411.45
load	R2-25-00-1_load_34	constant_power_B	10815.0	3268.14	5407.5	1634.07
load	R2-25-00-1_load_34	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_34	constant_power_A_real	11675.8	0.0	5837.9	0.0
load	R2-25-00-1_load_34	constant_power_B_real	10815.0	0.0	5407.5	0.0
load	R2-25-00-1_load_34	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_34	constant_power_A_reac	2822.9	0.0	1411.45	0.0
load	R2-25-00-1_load_34	constant_power_B_reac	3268.14	0.0	1634.07	0.0
load	R2-25-00-1_load_34	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_35	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_35	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_35	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_36	constant_power_A	258300.0	194000.0	129150.0	97000.0
load	R2-25-00-1_load_36	constant_power_B	258300.0	194000.0	129150.0	97000.0
load	R2-25-00-1_load_36	constant_power_C	258300.0	194000.0	129150.0	97000.0
load	R2-25-00-1_load_36	constant_power_A_real	258300.0	0.0	129150.0	0.0
load	R2-25-00-1_load_36	constant_power_B_real	258300.0	0.0	129150.0	0.0
load	R2-25-00-1_load_36	constant_power_C_real	258300.0	0.0	129150.0	0.0
load	R2-25-00-1_load_36	constant_power_A_reac	194000.0	0.0	97000.0	0.0
load	R2-25-00-1_load_36	constant_power_B_reac	194000.0	0.0	97000.0	0.0
load	R2-25-00-1_load_36	constant_power_C_reac	194000.0	0.0	97000.0	0.0
load	R2-25-00-1_load_37	constant_power_A	161000.0	121000.0	80500.0	60500.0
load	R2-25-00-1_load_37	constant_power_B	161000.0	121000.0	80500.0	60500.0
load	R2-25-00-1_load_37	constant_power_C	161000.0	121000.0	80500.0	60500.0
load	R2-25-00-1_load_37	constant_power_A_real	161000.0	0.0	80500.0	0.0
load	R2-25-00-1_load_37	constant_power_B_real	161000.0	0.0	80500.0	0.0
load	R2-25-00-1_load_37	constant_power_C_real	161000.0	0.0	80500.0	0.0
load	R2-25-00-1_load_37	constant_power_A_reac	121000.0	0.0	60500.0	0.0
load	R2-25-00-1_load_37	constant_power_B_reac	121000.0	0.0	60500.0	0.0
load	R2-25-00-1_load_37	constant_power_C_reac	121000.0	0.0	60500.0	0.0
load	R2-25-00-1_load_38	constant_power_A	7783.89	1881.94	3891.945	940.97
load	R2-25-00-1_load_38	constant_power_B	7210.01	2178.77	3605.005	1089.385
load	R2-25-00-1_load_38	constant_power_C	7456.4	1814.09	3728.2	907.045
load	R2-25-00-1_load_38	constant_power_A_real	7783.89	0.0	3891.945	0.0
load	R2-25-00-1_load_38	constant_power_B_real	7210.01	0.0	3605.005	0.0
load	R2-25-00-1_load_38	constant_power_C_real	7456.4	0.0	3728.2	0.0
load	R2-25-00-1_load_38	constant_power_A_reac	1881.94	0.0	940.97	0.0
load	R2-25-00-1_load_38	constant_power_B_reac	2178.77	0.0	1089.385	0.0
load	R2-25-00-1_load_38	constant_power_C_reac	1814.09	0.0	907.045	0.0
load	R2-25-00-1_load_39	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_39	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_39	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_40	constant_power_A	50000.0	37700.0	25000.0	18850.0
load	R2-25-00-1_load_40	constant_power_B	50000.0	37700.0	25000.0	18850.0
load	R2-25-00-1_load_40	constant_power_C	50000.0	37700.0	25000.0	18850.0
load	R2-25-00-1_load_40	constant_power_A_real	50000.0	0.0	25000.0	0.0
load	R2-25-00-1_load_40	constant_power_B_real	50000.0	0.0	25000.0	0.0
load	R2-25-00-1_load_40	constant_power_C_real	50000.0	0.0	25000.0	0.0
load	R2-25-00-1_load_40	constant_power_A_reac	37700.0	0.0	18850.0	0.0
load	R2-25-00-1_load_40	constant_power_B_reac	37700.0	0.0	18850.0	0.0
load	R2-25-00-1_load_40	constant_power_C_reac	37700.0	0.0	18850.0	0.0
load	R2-25-00-1_load_41	constant_power_C	4473.83	1088.45	2236.915	544.225
load	R2-25-00-1_load_41	constant_power_C_real	4473.83	0.0	2236.915	0.0
load	R2-25-00-1_load_41	constant_power_C_reac	1088.45	0.0	544.225	0.0
load	R2-25-00-1_load_42	constant_power_C	29079.9	7074.93	14539.95	3537.465
load	R2-25-00-1_load_42	constant_power_C_real	29079.9	0.0	14539.95	0.0

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_42	constant_power_C_reac	7074.93	0.0	3537.465	0.0
load	R2-25-00-1_load_43	constant_power_A	11675.8	2822.9	5837.9	1411.45
load	R2-25-00-1_load_43	constant_power_B	10815.0	3268.14	5407.5	1634.07
load	R2-25-00-1_load_43	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_43	constant_power_A_real	11675.8	0.0	5837.9	0.0
load	R2-25-00-1_load_43	constant_power_B_real	10815.0	0.0	5407.5	0.0
load	R2-25-00-1_load_43	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_43	constant_power_A_reac	2822.9	0.0	1411.45	0.0
load	R2-25-00-1_load_43	constant_power_B_reac	3268.14	0.0	1634.07	0.0
load	R2-25-00-1_load_43	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_44	constant_power_A	222700.0	167000.0	111350.0	83500.0
load	R2-25-00-1_load_44	constant_power_B	222700.0	167000.0	111350.0	83500.0
load	R2-25-00-1_load_44	constant_power_C	222700.0	167000.0	111350.0	83500.0
load	R2-25-00-1_load_44	constant_power_A_real	222700.0	0.0	111350.0	0.0
load	R2-25-00-1_load_44	constant_power_B_real	222700.0	0.0	111350.0	0.0
load	R2-25-00-1_load_44	constant_power_C_real	222700.0	0.0	111350.0	0.0
load	R2-25-00-1_load_44	constant_power_A_reac	167000.0	0.0	83500.0	0.0
load	R2-25-00-1_load_44	constant_power_B_reac	167000.0	0.0	83500.0	0.0
load	R2-25-00-1_load_44	constant_power_C_reac	167000.0	0.0	83500.0	0.0
load	R2-25-00-1_load_45	constant_power_A	23351.6	5645.8	11675.8	2822.9
load	R2-25-00-1_load_45	constant_power_B	21630.0	6536.28	10815.0	3268.14
load	R2-25-00-1_load_45	constant_power_C	22369.2	5442.25	11184.6	2721.125
load	R2-25-00-1_load_45	constant_power_A_real	23351.6	0.0	11675.8	0.0
load	R2-25-00-1_load_45	constant_power_B_real	21630.0	0.0	10815.0	0.0
load	R2-25-00-1_load_45	constant_power_C_real	22369.2	0.0	11184.6	0.0
load	R2-25-00-1_load_45	constant_power_A_reac	5645.8	0.0	2822.9	0.0
load	R2-25-00-1_load_45	constant_power_B_reac	6536.28	0.0	3268.14	0.0
load	R2-25-00-1_load_45	constant_power_C_reac	5442.25	0.0	2721.125	0.0
load	R2-25-00-1_load_46	constant_power_A	46703.2	11291.6	23351.6	5645.8
load	R2-25-00-1_load_46	constant_power_B	43260.0	13072.6	21630.0	6536.3
load	R2-25-00-1_load_46	constant_power_C	44738.3	10884.5	22369.15	5442.25
load	R2-25-00-1_load_46	constant_power_A_real	46703.2	0.0	23351.6	0.0
load	R2-25-00-1_load_46	constant_power_B_real	43260.0	0.0	21630.0	0.0
load	R2-25-00-1_load_46	constant_power_C_real	44738.3	0.0	22369.15	0.0
load	R2-25-00-1_load_46	constant_power_A_reac	11291.6	0.0	5645.8	0.0
load	R2-25-00-1_load_46	constant_power_B_reac	13072.6	0.0	6536.3	0.0
load	R2-25-00-1_load_46	constant_power_C_reac	10884.5	0.0	5442.25	0.0
load	R2-25-00-1_load_47	constant_power_C	26843.0	6530.7	13421.5	3265.35
load	R2-25-00-1_load_47	constant_power_C_real	26843.0	0.0	13421.5	0.0
load	R2-25-00-1_load_47	constant_power_C_reac	6530.7	0.0	3265.35	0.0
load	R2-25-00-1_load_48	constant_power_A	7783.89	1881.94	3891.945	940.97
load	R2-25-00-1_load_48	constant_power_B	7210.01	2178.77	3605.005	1089.385
load	R2-25-00-1_load_48	constant_power_C	7456.4	1814.09	3728.2	907.045
load	R2-25-00-1_load_48	constant_power_A_real	7783.89	0.0	3891.945	0.0
load	R2-25-00-1_load_48	constant_power_B_real	7210.01	0.0	3605.005	0.0
load	R2-25-00-1_load_48	constant_power_C_real	7456.4	0.0	3728.2	0.0
load	R2-25-00-1_load_48	constant_power_A_reac	1881.94	0.0	940.97	0.0
load	R2-25-00-1_load_48	constant_power_B_reac	2178.77	0.0	1089.385	0.0
load	R2-25-00-1_load_48	constant_power_C_reac	1814.09	0.0	907.045	0.0
load	R2-25-00-1_load_49	constant_power_A	14011.0	3387.48	7005.5	1693.74
load	R2-25-00-1_load_49	constant_power_B	12978.0	3921.77	6489.0	1960.885
load	R2-25-00-1_load_49	constant_power_C	13421.5	3265.35	6710.75	1632.675
load	R2-25-00-1_load_49	constant_power_A_real	14011.0	0.0	7005.5	0.0
load	R2-25-00-1_load_49	constant_power_B_real	12978.0	0.0	6489.0	0.0
load	R2-25-00-1_load_49	constant_power_C_real	13421.5	0.0	6710.75	0.0
load	R2-25-00-1_load_49	constant_power_A_reac	3387.48	0.0	1693.74	0.0
load	R2-25-00-1_load_49	constant_power_B_reac	3921.77	0.0	1960.885	0.0
load	R2-25-00-1_load_49	constant_power_C_reac	3265.35	0.0	1632.675	0.0
load	R2-25-00-1_load_50	constant_power_C	17895.3	4353.8	8947.65	2176.9
load	R2-25-00-1_load_50	constant_power_C_real	17895.3	0.0	8947.65	0.0
load	R2-25-00-1_load_50	constant_power_C_reac	4353.8	0.0	2176.9	0.0
load	R2-25-00-1_load_51	constant_power_A	233516.0	56458.0	116758.0	28229.0

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_51	constant_power_B	216300.0	65362.8	108150.0	32681.4
load	R2-25-00-1_load_51	constant_power_C	223692.0	54422.5	111846.0	27211.25
load	R2-25-00-1_load_51	constant_power_A_real	233516.0	0.0	116758.0	0.0
load	R2-25-00-1_load_51	constant_power_B_real	216300.0	0.0	108150.0	0.0
load	R2-25-00-1_load_51	constant_power_C_real	223692.0	0.0	111846.0	0.0
load	R2-25-00-1_load_51	constant_power_A_reac	56458.0	0.0	28229.0	0.0
load	R2-25-00-1_load_51	constant_power_B_reac	65362.8	0.0	32681.4	0.0
load	R2-25-00-1_load_51	constant_power_C_reac	54422.5	0.0	27211.25	0.0
load	R2-25-00-1_load_52	constant_power_C	24606.1	5986.48	12303.05	2993.24
load	R2-25-00-1_load_52	constant_power_C_real	24606.1	0.0	12303.05	0.0
load	R2-25-00-1_load_52	constant_power_C_reac	5986.48	0.0	2993.24	0.0
load	R2-25-00-1_load_53	constant_power_A	59157.6	14302.7	29578.8	7151.35
load	R2-25-00-1_load_53	constant_power_B	54796.1	16558.6	27398.05	8279.3
load	R2-25-00-1_load_53	constant_power_C	56668.7	13787.1	28334.35	6893.55
load	R2-25-00-1_load_53	constant_power_A_real	59157.6	0.0	29578.8	0.0
load	R2-25-00-1_load_53	constant_power_B_real	54796.1	0.0	27398.05	0.0
load	R2-25-00-1_load_53	constant_power_C_real	56668.7	0.0	28334.35	0.0
load	R2-25-00-1_load_53	constant_power_A_reac	14302.7	0.0	7151.35	0.0
load	R2-25-00-1_load_53	constant_power_B_reac	16558.6	0.0	8279.3	0.0
load	R2-25-00-1_load_53	constant_power_C_reac	13787.1	0.0	6893.55	0.0
load	R2-25-00-1_load_54	constant_power_A	55000.0	41000.0	27500.0	20500.0
load	R2-25-00-1_load_54	constant_power_B	55000.0	41000.0	27500.0	20500.0
load	R2-25-00-1_load_54	constant_power_C	55000.0	41000.0	27500.0	20500.0
load	R2-25-00-1_load_54	constant_power_A_real	55000.0	0.0	27500.0	0.0
load	R2-25-00-1_load_54	constant_power_B_real	55000.0	0.0	27500.0	0.0
load	R2-25-00-1_load_54	constant_power_C_real	55000.0	0.0	27500.0	0.0
load	R2-25-00-1_load_54	constant_power_A_reac	41000.0	0.0	20500.0	0.0
load	R2-25-00-1_load_54	constant_power_B_reac	41000.0	0.0	20500.0	0.0
load	R2-25-00-1_load_54	constant_power_C_reac	41000.0	0.0	20500.0	0.0
load	R2-25-00-1_load_55	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_55	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_55	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_56	constant_power_A	49700.0	37000.0	24850.0	18500.0
load	R2-25-00-1_load_56	constant_power_B	49700.0	37000.0	24850.0	18500.0
load	R2-25-00-1_load_56	constant_power_C	49700.0	37000.0	24850.0	18500.0
load	R2-25-00-1_load_56	constant_power_A_real	49700.0	0.0	24850.0	0.0
load	R2-25-00-1_load_56	constant_power_B_real	49700.0	0.0	24850.0	0.0
load	R2-25-00-1_load_56	constant_power_C_real	49700.0	0.0	24850.0	0.0
load	R2-25-00-1_load_56	constant_power_A_reac	37000.0	0.0	18500.0	0.0
load	R2-25-00-1_load_56	constant_power_B_reac	37000.0	0.0	18500.0	0.0
load	R2-25-00-1_load_56	constant_power_C_reac	37000.0	0.0	18500.0	0.0
load	R2-25-00-1_load_57	constant_power_C	31316.8	7619.15	15658.4	3809.575
load	R2-25-00-1_load_57	constant_power_C_real	31316.8	0.0	15658.4	0.0
load	R2-25-00-1_load_57	constant_power_C_reac	7619.15	0.0	3809.575	0.0
load	R2-25-00-1_load_58	constant_power_C	11184.6	2721.13	5592.3	1360.565
load	R2-25-00-1_load_58	constant_power_C_real	11184.6	0.0	5592.3	0.0
load	R2-25-00-1_load_58	constant_power_C_reac	2721.13	0.0	1360.565	0.0
load	R2-25-00-1_load_59	constant_power_A	589000.0	365000.0	294500.0	182500.0
load	R2-25-00-1_load_59	constant_power_B	589000.0	365000.0	294500.0	182500.0
load	R2-25-00-1_load_59	constant_power_C	589000.0	365000.0	294500.0	182500.0
load	R2-25-00-1_load_59	constant_power_A_real	589000.0	0.0	294500.0	0.0
load	R2-25-00-1_load_59	constant_power_B_real	589000.0	0.0	294500.0	0.0
load	R2-25-00-1_load_59	constant_power_C_real	589000.0	0.0	294500.0	0.0
load	R2-25-00-1_load_59	constant_power_A_reac	365000.0	0.0	182500.0	0.0
load	R2-25-00-1_load_59	constant_power_B_reac	365000.0	0.0	182500.0	0.0
load	R2-25-00-1_load_59	constant_power_C_reac	365000.0	0.0	182500.0	0.0
load	R2-25-00-1_load_60	constant_power_C	20132.2	4898.03	10066.1	2449.015
load	R2-25-00-1_load_60	constant_power_C_real	20132.2	0.0	10066.1	0.0
load	R2-25-00-1_load_60	constant_power_C_reac	4898.03	0.0	2449.015	0.0
load	R2-25-00-1_load_61	constant_power_A	18335.2	12564.6	9167.6	6282.3
load	R2-25-00-1_load_61	constant_power_B	18163.0	12653.6	9081.5	6326.8
load	R2-25-00-1_load_61	constant_power_C	18236.9	12544.2	9118.45	6272.1

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_61	constant_power_A_real	18335.2	0.0	9167.6	0.0
load	R2-25-00-1_load_61	constant_power_B_real	18163.0	0.0	9081.5	0.0
load	R2-25-00-1_load_61	constant_power_C_real	18236.9	0.0	9118.45	0.0
load	R2-25-00-1_load_61	constant_power_A_reac	12564.6	0.0	6282.3	0.0
load	R2-25-00-1_load_61	constant_power_B_reac	12653.6	0.0	6326.8	0.0
load	R2-25-00-1_load_61	constant_power_C_reac	12544.2	0.0	6272.1	0.0
load	R2-25-00-1_load_62	constant_power_A	31135.5	7527.73	15567.75	3763.865
load	R2-25-00-1_load_62	constant_power_B	28840.0	8715.05	14420.0	4357.525
load	R2-25-00-1_load_62	constant_power_C	29825.6	7256.34	14912.8	3628.17
load	R2-25-00-1_load_62	constant_power_A_real	31135.5	0.0	15567.75	0.0
load	R2-25-00-1_load_62	constant_power_B_real	28840.0	0.0	14420.0	0.0
load	R2-25-00-1_load_62	constant_power_C_real	29825.6	0.0	14912.8	0.0
load	R2-25-00-1_load_62	constant_power_A_reac	7527.73	0.0	3763.865	0.0
load	R2-25-00-1_load_62	constant_power_B_reac	8715.05	0.0	4357.525	0.0
load	R2-25-00-1_load_62	constant_power_C_reac	7256.34	0.0	3628.17	0.0
load	R2-25-00-1_load_63	constant_power_C	6710.75	1632.68	3355.375	816.34
load	R2-25-00-1_load_63	constant_power_C_real	6710.75	0.0	3355.375	0.0
load	R2-25-00-1_load_63	constant_power_C_reac	1632.68	0.0	816.34	0.0
load	R2-25-00-1_load_64	constant_power_C	6710.75	1632.68	3355.375	816.34
load	R2-25-00-1_load_64	constant_power_C_real	6710.75	0.0	3355.375	0.0
load	R2-25-00-1_load_64	constant_power_C_reac	1632.68	0.0	816.34	0.0
load	R2-25-00-1_load_65	constant_power_A	7799.44	1885.7	3899.72	942.85
load	R2-25-00-1_load_65	constant_power_B	7224.42	2183.12	3612.21	1091.56
load	R2-25-00-1_load_65	constant_power_C	7471.3	1817.71	3735.65	908.855
load	R2-25-00-1_load_65	constant_power_A_real	7799.44	0.0	3899.72	0.0
load	R2-25-00-1_load_65	constant_power_B_real	7224.42	0.0	3612.21	0.0
load	R2-25-00-1_load_65	constant_power_C_real	7471.3	0.0	3735.65	0.0
load	R2-25-00-1_load_65	constant_power_A_reac	1885.7	0.0	942.85	0.0
load	R2-25-00-1_load_65	constant_power_B_reac	2183.12	0.0	1091.56	0.0
load	R2-25-00-1_load_65	constant_power_C_reac	1817.71	0.0	908.855	0.0
load	R2-25-00-1_load_66	constant_power_A	23351.6	5645.8	11675.8	2822.9
load	R2-25-00-1_load_66	constant_power_B	21630.0	6536.28	10815.0	3268.14
load	R2-25-00-1_load_66	constant_power_C	22369.2	5442.25	11184.6	2721.125
load	R2-25-00-1_load_66	constant_power_A_real	23351.6	0.0	11675.8	0.0
load	R2-25-00-1_load_66	constant_power_B_real	21630.0	0.0	10815.0	0.0
load	R2-25-00-1_load_66	constant_power_C_real	22369.2	0.0	11184.6	0.0
load	R2-25-00-1_load_66	constant_power_A_reac	5645.8	0.0	2822.9	0.0
load	R2-25-00-1_load_66	constant_power_B_reac	6536.28	0.0	3268.14	0.0
load	R2-25-00-1_load_66	constant_power_C_reac	5442.25	0.0	2721.125	0.0
load	R2-25-00-1_load_67	constant_power_A	6227.08	1505.54	3113.54	752.77
load	R2-25-00-1_load_67	constant_power_B	5767.98	1743.0	2883.99	871.5
load	R2-25-00-1_load_67	constant_power_C	5965.09	1451.26	2982.545	725.63
load	R2-25-00-1_load_67	constant_power_A_real	6227.08	0.0	3113.54	0.0
load	R2-25-00-1_load_67	constant_power_B_real	5767.98	0.0	2883.99	0.0
load	R2-25-00-1_load_67	constant_power_C_real	5965.09	0.0	2982.545	0.0
load	R2-25-00-1_load_67	constant_power_A_reac	1505.54	0.0	752.77	0.0
load	R2-25-00-1_load_67	constant_power_B_reac	1743.0	0.0	871.5	0.0
load	R2-25-00-1_load_67	constant_power_C_reac	1451.26	0.0	725.63	0.0
load	R2-25-00-1_load_68	constant_power_A	226217.0	163196.0	113108.5	81598.0
load	R2-25-00-1_load_68	constant_power_B	225243.0	163700.0	112621.5	81850.0
load	R2-25-00-1_load_68	constant_power_C	225661.0	163080.0	112830.5	81540.0
load	R2-25-00-1_load_68	constant_power_A_real	226217.0	0.0	113108.5	0.0
load	R2-25-00-1_load_68	constant_power_B_real	225243.0	0.0	112621.5	0.0
load	R2-25-00-1_load_68	constant_power_C_real	225661.0	0.0	112830.5	0.0
load	R2-25-00-1_load_68	constant_power_A_reac	163196.0	0.0	81598.0	0.0
load	R2-25-00-1_load_68	constant_power_B_reac	163700.0	0.0	81850.0	0.0
load	R2-25-00-1_load_68	constant_power_C_reac	163080.0	0.0	81540.0	0.0
load	R2-25-00-1_load_69	constant_power_A	46703.2	11291.6	23351.6	5645.8
load	R2-25-00-1_load_69	constant_power_B	43260.0	13072.6	21630.0	6536.3
load	R2-25-00-1_load_69	constant_power_C	44738.3	10884.5	22369.15	5442.25
load	R2-25-00-1_load_69	constant_power_A_real	46703.2	0.0	23351.6	0.0
load	R2-25-00-1_load_69	constant_power_B_real	43260.0	0.0	21630.0	0.0

Table 26: Validation data for loadfactor taxonomy R2-25000-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-25-00-1_load_69	constant_power_C_real	44738.3	0.0	22369.15	0.0
load	R2-25-00-1_load_69	constant_power_A_reac	11291.6	0.0	5645.8	0.0
load	R2-25-00-1_load_69	constant_power_B_reac	13072.6	0.0	6536.3	0.0
load	R2-25-00-1_load_69	constant_power_C_reac	10884.5	0.0	5442.25	0.0
load	R2-25-00-1_load_70	constant_power_A	19459.7	4704.83	9729.85	2352.415
load	R2-25-00-1_load_70	constant_power_B	18025.0	5446.91	9012.5	2723.455
load	R2-25-00-1_load_70	constant_power_C	18641.0	4535.21	9320.5	2267.605
load	R2-25-00-1_load_70	constant_power_A_real	19459.7	0.0	9729.85	0.0
load	R2-25-00-1_load_70	constant_power_B_real	18025.0	0.0	9012.5	0.0
load	R2-25-00-1_load_70	constant_power_C_real	18641.0	0.0	9320.5	0.0
load	R2-25-00-1_load_70	constant_power_A_reac	4704.83	0.0	2352.415	0.0
load	R2-25-00-1_load_70	constant_power_B_reac	5446.91	0.0	2723.455	0.0
load	R2-25-00-1_load_70	constant_power_C_reac	4535.21	0.0	2267.605	0.0
load	R2-25-00-1_load_71	constant_power_C	22369.2	5442.25	11184.6	2721.125
load	R2-25-00-1_load_71	constant_power_C_real	22369.2	0.0	11184.6	0.0
load	R2-25-00-1_load_71	constant_power_C_reac	5442.25	0.0	2721.125	0.0
load	R2-25-00-1_load_72	constant_power_A	261799.0	192586.0	130899.5	96293.0
load	R2-25-00-1_load_72	constant_power_B	261224.0	192883.0	130612.0	96441.5
load	R2-25-00-1_load_72	constant_power_C	261471.0	192518.0	130735.5	96259.0
load	R2-25-00-1_load_72	constant_power_A_real	261799.0	0.0	130899.5	0.0
load	R2-25-00-1_load_72	constant_power_B_real	261224.0	0.0	130612.0	0.0
load	R2-25-00-1_load_72	constant_power_C_real	261471.0	0.0	130735.5	0.0
load	R2-25-00-1_load_72	constant_power_A_reac	192586.0	0.0	96293.0	0.0
load	R2-25-00-1_load_72	constant_power_B_reac	192883.0	0.0	96441.5	0.0
load	R2-25-00-1_load_72	constant_power_C_reac	192518.0	0.0	96259.0	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_1	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_1	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_1	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_1	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_1	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_1	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_1	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_1	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_1	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_2	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_2	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_2	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_3	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_3	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_3	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_3	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_3	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_3	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_3	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_3	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_3	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_4	constant_power_A	25000.0	27000.0	12500.0	13500.0
load	R2-35-00-1_load_4	constant_power_A_real	25000.0	0.0	12500.0	0.0
load	R2-35-00-1_load_4	constant_power_A_reac	27000.0	0.0	13500.0	0.0
load	R2-35-00-1_load_5	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_5	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_5	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_6	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_6	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_6	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_7	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_7	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_7	constant_power_A_reac	5200.51	0.0	2600.255	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_8	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_8	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_8	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_8	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_8	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_8	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_8	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_8	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_8	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_9	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_9	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_9	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_10	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_10	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_10	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_11	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_11	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_11	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_12	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_12	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_12	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_12	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_12	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_12	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_12	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_12	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_12	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_13	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_13	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_13	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_14	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_14	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_14	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_15	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_15	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_15	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_15	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_15	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_15	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_15	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_15	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_15	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_16	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_16	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_16	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_16	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_16	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_16	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_16	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_16	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_16	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_17	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_17	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_17	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_18	constant_power_C	17548.8	18606.6	8774.4	9303.3
load	R2-35-00-1_load_18	constant_power_C_real	17548.8	0.0	8774.4	0.0
load	R2-35-00-1_load_18	constant_power_C_reac	18606.6	0.0	9303.3	0.0
load	R2-35-00-1_load_19	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_19	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_19	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_20	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_20	constant_power_B_real	16096.2	0.0	8048.1	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_20	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_21	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_21	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_21	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_21	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_21	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_21	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_21	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_21	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_21	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_22	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_22	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_22	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_23	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_23	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_23	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_23	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_23	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_23	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_23	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_23	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_23	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_24	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_24	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_24	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_24	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_24	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_24	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_24	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_24	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_24	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_25	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_25	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_25	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_25	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_25	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_25	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_25	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_25	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_25	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_26	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_26	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_26	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_27	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_27	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_27	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_28	constant_power_A	37817.3	39870.6	18908.65	19935.3
load	R2-35-00-1_load_28	constant_power_A_real	37817.3	0.0	18908.65	0.0
load	R2-35-00-1_load_28	constant_power_A_reac	39870.6	0.0	19935.3	0.0
load	R2-35-00-1_load_29	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_29	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_29	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_30	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_30	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_30	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_30	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_30	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_30	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_30	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_30	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_30	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_31	constant_power_A	5000.0	3200.0	2500.0	1600.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_31	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_31	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_31	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_31	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_31	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_31	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_31	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_31	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_32	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_32	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_32	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_33	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_33	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_33	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_33	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_33	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_33	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_33	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_33	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_33	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_34	constant_power_B	12877.0	13657.3	6438.5	6828.65
load	R2-35-00-1_load_34	constant_power_B_real	12877.0	0.0	6438.5	0.0
load	R2-35-00-1_load_34	constant_power_B_reac	13657.3	0.0	6828.65	0.0
load	R2-35-00-1_load_35	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_35	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_35	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_36	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_36	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_36	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_37	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_37	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_37	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_38	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_38	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_38	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_39	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_39	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_39	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_40	constant_power_C	14358.1	15223.6	7179.05	7611.8
load	R2-35-00-1_load_40	constant_power_C_real	14358.1	0.0	7179.05	0.0
load	R2-35-00-1_load_40	constant_power_C_reac	15223.6	0.0	7611.8	0.0
load	R2-35-00-1_load_41	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_41	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_41	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_42	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_42	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_42	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_43	constant_power_C	17548.8	18606.6	8774.4	9303.3
load	R2-35-00-1_load_43	constant_power_C_real	17548.8	0.0	8774.4	0.0
load	R2-35-00-1_load_43	constant_power_C_reac	18606.6	0.0	9303.3	0.0
load	R2-35-00-1_load_44	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_44	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_44	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_45	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_45	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_45	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_46	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_46	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_46	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_46	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_46	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_46	constant_power_C_real	5000.0	0.0	2500.0	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_46	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_46	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_46	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_47	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_47	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_47	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_47	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_47	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_47	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_47	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_47	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_47	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_48	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_48	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_48	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_49	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_49	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_49	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_50	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_50	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_50	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_51	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_51	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_51	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_52	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_52	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_52	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_53	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_53	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_53	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_53	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_53	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_53	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_53	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_53	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_53	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_54	constant_power_A	12167.3	12827.9	6083.65	6413.95
load	R2-35-00-1_load_54	constant_power_B	11911.2	12633.0	5955.6	6316.5
load	R2-35-00-1_load_54	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_54	constant_power_A_real	12167.3	0.0	6083.65	0.0
load	R2-35-00-1_load_54	constant_power_B_real	11911.2	0.0	5955.6	0.0
load	R2-35-00-1_load_54	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_54	constant_power_A_reac	12827.9	0.0	6413.95	0.0
load	R2-35-00-1_load_54	constant_power_B_reac	12633.0	0.0	6316.5	0.0
load	R2-35-00-1_load_54	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_55	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_55	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_55	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_56	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_56	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_56	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_56	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_56	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_56	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_56	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_56	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_56	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_57	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_57	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_57	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_57	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_57	constant_power_B_reac	8535.78	0.0	4267.89	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_57	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_58	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_58	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_58	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_59	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_59	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_59	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_59	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_59	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_59	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_59	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_59	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_59	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_60	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_60	constant_power_B	5794.63	6145.76	2897.315	3072.88
load	R2-35-00-1_load_60	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_60	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_60	constant_power_B_real	5794.63	0.0	2897.315	0.0
load	R2-35-00-1_load_60	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_60	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_60	constant_power_B_reac	6145.76	0.0	3072.88	0.0
load	R2-35-00-1_load_60	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_61	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_61	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_61	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_61	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_61	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_61	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_61	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_61	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_61	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_62	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_62	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_62	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_63	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_63	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_63	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_64	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_64	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_64	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_65	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_65	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_65	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_66	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_66	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_66	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_67	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_67	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_67	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_67	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_67	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_67	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_67	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_67	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_67	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_68	constant_power_A	12167.3	12827.9	6083.65	6413.95
load	R2-35-00-1_load_68	constant_power_B	11911.2	12633.0	5955.6	6316.5
load	R2-35-00-1_load_68	constant_power_C	11805.6	12517.2	5902.8	6258.6
load	R2-35-00-1_load_68	constant_power_A_real	12167.3	0.0	6083.65	0.0
load	R2-35-00-1_load_68	constant_power_B_real	11911.2	0.0	5955.6	0.0
load	R2-35-00-1_load_68	constant_power_C_real	11805.6	0.0	5902.8	0.0
load	R2-35-00-1_load_68	constant_power_A_reac	12827.9	0.0	6413.95	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_68	constant_power_B_reac	12633.0	0.0	6316.5	0.0
load	R2-35-00-1_load_68	constant_power_C_reac	12517.2	0.0	6258.6	0.0
load	R2-35-00-1_load_69	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_69	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_69	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_70	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_70	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_70	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_71	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_71	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_71	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_72	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_72	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_72	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_73	constant_power_A	12167.3	12827.9	6083.65	6413.95
load	R2-35-00-1_load_73	constant_power_B	11911.2	12633.0	5955.6	6316.5
load	R2-35-00-1_load_73	constant_power_C	16591.6	17591.7	8295.8	8795.85
load	R2-35-00-1_load_73	constant_power_A_real	12167.3	0.0	6083.65	0.0
load	R2-35-00-1_load_73	constant_power_B_real	11911.2	0.0	5955.6	0.0
load	R2-35-00-1_load_73	constant_power_C_real	16591.6	0.0	8295.8	0.0
load	R2-35-00-1_load_73	constant_power_A_reac	12827.9	0.0	6413.95	0.0
load	R2-35-00-1_load_73	constant_power_B_reac	12633.0	0.0	6316.5	0.0
load	R2-35-00-1_load_73	constant_power_C_reac	17591.7	0.0	8795.85	0.0
load	R2-35-00-1_load_74	constant_power_A	2301.92	2426.9	1150.96	1213.45
load	R2-35-00-1_load_74	constant_power_B	2253.47	2390.02	1126.735	1195.01
load	R2-35-00-1_load_74	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_74	constant_power_A_real	2301.92	0.0	1150.96	0.0
load	R2-35-00-1_load_74	constant_power_B_real	2253.47	0.0	1126.735	0.0
load	R2-35-00-1_load_74	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_74	constant_power_A_reac	2426.9	0.0	1213.45	0.0
load	R2-35-00-1_load_74	constant_power_B_reac	2390.02	0.0	1195.01	0.0
load	R2-35-00-1_load_74	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_75	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_75	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_75	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_75	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_75	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_75	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_75	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_75	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_75	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_76	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_76	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_76	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_76	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_76	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_76	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_76	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_76	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_76	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_77	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_77	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_77	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_78	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_78	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_78	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_79	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_79	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_79	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_80	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_80	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_80	constant_power_C_reac	5074.53	0.0	2537.265	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_81	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_81	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_81	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_82	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_82	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_82	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_83	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_83	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_83	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_83	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_83	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_83	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_83	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_83	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_83	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_84	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_84	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_84	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_84	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_84	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_84	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_84	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_84	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_84	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_85	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_85	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_85	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_86	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_86	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_86	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_86	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_86	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_86	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_86	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_86	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_86	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_87	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_87	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_87	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_88	constant_power_A	13153.8	13868.0	6576.9	6934.0
load	R2-35-00-1_load_88	constant_power_B	12877.0	13657.3	6438.5	6828.65
load	R2-35-00-1_load_88	constant_power_C	12762.8	13532.1	6381.4	6766.05
load	R2-35-00-1_load_88	constant_power_A_real	13153.8	0.0	6576.9	0.0
load	R2-35-00-1_load_88	constant_power_B_real	12877.0	0.0	6438.5	0.0
load	R2-35-00-1_load_88	constant_power_C_real	12762.8	0.0	6381.4	0.0
load	R2-35-00-1_load_88	constant_power_A_reac	13868.0	0.0	6934.0	0.0
load	R2-35-00-1_load_88	constant_power_B_reac	13657.3	0.0	6828.65	0.0
load	R2-35-00-1_load_88	constant_power_C_reac	13532.1	0.0	6766.05	0.0
load	R2-35-00-1_load_89	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_89	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_89	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_89	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_89	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_89	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_89	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_89	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_89	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_90	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_90	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_90	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_90	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_90	constant_power_B_real	4828.86	0.0	2414.43	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_90	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_90	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_90	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_90	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_91	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_91	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_91	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_91	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_91	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_91	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_91	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_91	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_91	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_92	constant_power_A	32884.6	34670.1	16442.3	17335.05
load	R2-35-00-1_load_92	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_92	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_92	constant_power_A_real	32884.6	0.0	16442.3	0.0
load	R2-35-00-1_load_92	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_92	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_92	constant_power_A_reac	34670.1	0.0	17335.05	0.0
load	R2-35-00-1_load_92	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_92	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_93	constant_power_A	21375.0	22535.5	10687.5	11267.75
load	R2-35-00-1_load_93	constant_power_B	20925.1	22193.0	10462.55	11096.5
load	R2-35-00-1_load_93	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_93	constant_power_A_real	21375.0	0.0	10687.5	0.0
load	R2-35-00-1_load_93	constant_power_B_real	20925.1	0.0	10462.55	0.0
load	R2-35-00-1_load_93	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_93	constant_power_A_reac	22535.5	0.0	11267.75	0.0
load	R2-35-00-1_load_93	constant_power_B_reac	22193.0	0.0	11096.5	0.0
load	R2-35-00-1_load_93	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_94	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_94	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_94	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_95	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_95	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_95	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_96	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_96	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_96	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_97	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_97	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_97	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_97	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_97	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_97	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_97	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_97	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_97	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_98	constant_power_A	29596.1	31203.1	14798.05	15601.55
load	R2-35-00-1_load_98	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_98	constant_power_C	28716.2	30447.2	14358.1	15223.6
load	R2-35-00-1_load_98	constant_power_A_real	29596.1	0.0	14798.05	0.0
load	R2-35-00-1_load_98	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_98	constant_power_C_real	28716.2	0.0	14358.1	0.0
load	R2-35-00-1_load_98	constant_power_A_reac	31203.1	0.0	15601.55	0.0
load	R2-35-00-1_load_98	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_98	constant_power_C_reac	30447.2	0.0	15223.6	0.0
load	R2-35-00-1_load_99	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_99	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_99	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_99	constant_power_A_real	16442.3	0.0	8221.15	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_99	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_99	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_99	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_99	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_99	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_100	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_100	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_100	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_100	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_100	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_100	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_100	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_100	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_100	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_101	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_101	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_101	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_101	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_101	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_101	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_101	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_101	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_101	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_102	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_102	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_102	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_102	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_102	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_102	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_102	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_102	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_102	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_103	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_103	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_103	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_103	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_103	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_103	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_103	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_103	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_103	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_104	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_104	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_104	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_104	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_104	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_104	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_104	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_104	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_104	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_105	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_105	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_105	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_105	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_105	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_105	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_105	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_105	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_105	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_106	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_106	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_106	constant_power_C	4786.04	5074.53	2393.02	2537.265

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_106	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_106	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_106	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_106	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_106	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_106	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_107	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_107	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_107	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_107	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_107	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_107	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_107	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_107	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_107	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_108	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_108	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_108	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_108	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_108	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_108	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_108	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_108	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_108	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_109	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_109	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_109	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_110	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_110	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_110	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_110	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_110	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_110	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_110	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_110	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_110	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_111	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_111	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_111	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_111	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_111	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_111	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_111	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_111	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_111	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_112	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_112	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_112	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_112	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_112	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_112	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_112	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_112	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_112	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_112	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_112	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_112	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_112	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_112	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_112	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_113	constant_power_A	13153.8	13868.0	6576.9	6934.0
load	R2-35-00-1_load_113	constant_power_B	12877.0	13657.3	6438.5	6828.65
load	R2-35-00-1_load_113	constant_power_C	12762.8	13532.1	6381.4	6766.05
load	R2-35-00-1_load_113	constant_power_A_real	13153.8	0.0	6576.9	0.0
load	R2-35-00-1_load_113	constant_power_B_real	12877.0	0.0	6438.5	0.0
load	R2-35-00-1_load_113	constant_power_C_real	12762.8	0.0	6381.4	0.0
load	R2-35-00-1_load_113	constant_power_A_reac	13868.0	0.0	6934.0	0.0
load	R2-35-00-1_load_113	constant_power_B_reac	13657.3	0.0	6828.65	0.0
load	R2-35-00-1_load_113	constant_power_C_reac	13532.1	0.0	6766.05	0.0
load	R2-35-00-1_load_114	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_114	constant_power_B	4828.86	5121.47	2414.43	2560.735

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_114	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_114	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_114	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_114	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_114	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_114	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_114	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_115	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_115	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_115	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_115	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_115	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_115	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_115	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_115	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_115	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_116	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_116	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_116	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_116	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_116	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_116	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_117	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_117	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_117	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_117	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_117	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_117	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_118	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_118	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_118	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_119	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_119	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_119	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_119	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_119	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_119	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_119	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_119	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_119	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_120	constant_power_A	1644.23	1733.5	822.115	866.75
load	R2-35-00-1_load_120	constant_power_A_real	1644.23	0.0	822.115	0.0
load	R2-35-00-1_load_120	constant_power_A_reac	1733.5	0.0	866.75	0.0
load	R2-35-00-1_load_121	constant_power_A	12167.3	12827.9	6083.65	6413.95
load	R2-35-00-1_load_121	constant_power_B	16740.0	17754.4	8370.0	8877.2
load	R2-35-00-1_load_121	constant_power_C	11805.6	12517.2	5902.8	6258.6
load	R2-35-00-1_load_121	constant_power_A_real	12167.3	0.0	6083.65	0.0
load	R2-35-00-1_load_121	constant_power_B_real	16740.0	0.0	8370.0	0.0
load	R2-35-00-1_load_121	constant_power_C_real	11805.6	0.0	5902.8	0.0
load	R2-35-00-1_load_121	constant_power_A_reac	12827.9	0.0	6413.95	0.0
load	R2-35-00-1_load_121	constant_power_B_reac	17754.4	0.0	8877.2	0.0
load	R2-35-00-1_load_121	constant_power_C_reac	12517.2	0.0	6258.6	0.0
load	R2-35-00-1_load_122	constant_power_A	12167.3	12827.9	6083.65	6413.95
load	R2-35-00-1_load_122	constant_power_B	11911.2	12633.0	5955.6	6316.5
load	R2-35-00-1_load_122	constant_power_C	11805.6	12517.2	5902.8	6258.6
load	R2-35-00-1_load_122	constant_power_A_real	12167.3	0.0	6083.65	0.0
load	R2-35-00-1_load_122	constant_power_B_real	11911.2	0.0	5955.6	0.0
load	R2-35-00-1_load_122	constant_power_C_real	11805.6	0.0	5902.8	0.0
load	R2-35-00-1_load_122	constant_power_A_reac	12827.9	0.0	6413.95	0.0
load	R2-35-00-1_load_122	constant_power_B_reac	12633.0	0.0	6316.5	0.0
load	R2-35-00-1_load_122	constant_power_C_reac	12517.2	0.0	6258.6	0.0
load	R2-35-00-1_load_123	constant_power_A	8221.15	8667.52	4110.575	4333.76

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_123	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_123	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_124	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_124	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_124	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_124	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_124	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_124	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_124	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_124	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_124	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_125	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_125	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_125	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_125	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_125	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_125	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_125	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_125	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_125	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_126	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_126	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_126	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_126	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_126	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_126	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_126	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_126	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_126	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_127	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_127	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_127	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_127	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_127	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_127	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_127	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_127	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_127	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_128	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_128	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_128	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_128	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_128	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_128	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_128	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_128	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_128	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_129	constant_power_A	1644.23	1733.5	822.115	866.75
load	R2-35-00-1_load_129	constant_power_A_real	1644.23	0.0	822.115	0.0
load	R2-35-00-1_load_129	constant_power_A_reac	1733.5	0.0	866.75	0.0
load	R2-35-00-1_load_130	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_130	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_130	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_131	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_131	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_131	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_131	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_131	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_131	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_132	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_132	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_132	constant_power_A_reac	8667.52	0.0	4333.76	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_133	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_133	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_133	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_133	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_133	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_133	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_133	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_133	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_133	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_134	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_134	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_134	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_135	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_135	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_135	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_136	constant_power_A	1644.23	1733.5	822.115	866.75
load	R2-35-00-1_load_136	constant_power_A_real	1644.23	0.0	822.115	0.0
load	R2-35-00-1_load_136	constant_power_A_reac	1733.5	0.0	866.75	0.0
load	R2-35-00-1_load_137	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_137	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_137	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_138	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_138	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_138	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_138	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_138	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_138	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_138	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_138	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_138	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_139	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_139	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_139	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_139	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_139	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_139	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_140	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_140	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_140	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_140	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_140	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_140	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_141	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_141	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_141	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_142	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_142	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_142	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_143	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_143	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_143	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_144	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_144	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_144	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_145	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_145	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_145	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_145	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_145	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_145	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_146	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_146	constant_power_C_real	3190.69	0.0	1595.345	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_146	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_147	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_147	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_147	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_147	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_147	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_147	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_148	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_148	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_148	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_148	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_148	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_148	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_149	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_149	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_149	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_150	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_150	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_150	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_151	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_151	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_151	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_151	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_151	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_151	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_151	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_151	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_151	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_152	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_152	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_152	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_153	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_153	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_153	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_154	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_154	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_154	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_155	constant_power_A	18086.5	19068.5	9043.25	9534.25
load	R2-35-00-1_load_155	constant_power_A_real	18086.5	0.0	9043.25	0.0
load	R2-35-00-1_load_155	constant_power_A_reac	19068.5	0.0	9534.25	0.0
load	R2-35-00-1_load_156	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_156	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_156	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_157	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_157	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_157	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_158	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_158	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_158	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_159	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_159	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_159	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_160	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_160	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_160	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_160	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_160	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_160	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_160	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_160	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_160	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_161	constant_power_B	4828.86	5121.47	2414.43	2560.735

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_161	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_161	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_162	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_162	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_162	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_162	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_162	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_162	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_162	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_162	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_162	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_163	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_163	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_163	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_164	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_164	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_164	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_165	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_165	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_165	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_165	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_165	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_165	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_165	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_165	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_165	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_166	constant_power_A	14798.1	15601.5	7399.05	7800.75
load	R2-35-00-1_load_166	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_166	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_166	constant_power_A_real	14798.1	0.0	7399.05	0.0
load	R2-35-00-1_load_166	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_166	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_166	constant_power_A_reac	15601.5	0.0	7800.75	0.0
load	R2-35-00-1_load_166	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_166	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_167	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_167	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_167	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_168	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_168	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_168	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_169	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_169	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_169	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_170	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_170	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_170	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_170	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_170	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_170	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_170	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_170	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_170	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_171	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_171	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_171	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_172	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_172	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_172	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_172	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_172	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_172	constant_power_C_reac	5074.53	0.0	2537.265	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_173	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_173	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_173	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_173	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_173	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_173	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_173	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_173	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_173	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_174	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_174	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_174	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_174	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_174	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_174	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_174	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_174	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_174	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_175	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_175	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_175	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_175	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_175	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_175	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_175	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_175	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_175	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_176	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_176	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_176	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_176	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_176	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_176	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_176	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_176	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_176	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_177	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_177	constant_power_B	12877.0	13657.3	6438.5	6828.65
load	R2-35-00-1_load_177	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_177	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_177	constant_power_B_real	12877.0	0.0	6438.5	0.0
load	R2-35-00-1_load_177	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_177	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_177	constant_power_B_reac	13657.3	0.0	6828.65	0.0
load	R2-35-00-1_load_177	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_178	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_178	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_178	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_178	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_178	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_178	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_178	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_178	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_178	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_179	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_179	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_179	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_180	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_180	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_180	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_181	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_181	constant_power_A_real	8221.15	0.0	4110.575	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_181	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_182	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_182	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_182	constant_power_C	12762.8	13532.1	6381.4	6766.05
load	R2-35-00-1_load_182	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_182	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_182	constant_power_C_real	12762.8	0.0	6381.4	0.0
load	R2-35-00-1_load_182	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_182	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_182	constant_power_C_reac	13532.1	0.0	6766.05	0.0
load	R2-35-00-1_load_183	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_183	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_183	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_183	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_183	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_183	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_183	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_183	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_183	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_184	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_184	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_184	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_185	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_185	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_185	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_185	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_185	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_185	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_185	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_185	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_185	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_186	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_186	constant_power_B	6438.48	6828.63	3219.24	3414.315
load	R2-35-00-1_load_186	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_186	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_186	constant_power_B_real	6438.48	0.0	3219.24	0.0
load	R2-35-00-1_load_186	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_186	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_186	constant_power_B_reac	6828.63	0.0	3414.315	0.0
load	R2-35-00-1_load_186	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_187	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_187	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_187	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_188	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_188	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_188	constant_power_C	28716.2	30447.2	14358.1	15223.6
load	R2-35-00-1_load_188	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_188	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_188	constant_power_C_real	28716.2	0.0	14358.1	0.0
load	R2-35-00-1_load_188	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_188	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_188	constant_power_C_reac	30447.2	0.0	15223.6	0.0
load	R2-35-00-1_load_189	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_189	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_189	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_189	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_189	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_189	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_189	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_189	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_189	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_190	constant_power_A	9865.37	10401.0	4932.685	5200.5

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_190	constant_power_B	14486.6	15364.4	7243.3	7682.2
load	R2-35-00-1_load_190	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_190	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_190	constant_power_B_real	14486.6	0.0	7243.3	0.0
load	R2-35-00-1_load_190	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_190	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_190	constant_power_B_reac	15364.4	0.0	7682.2	0.0
load	R2-35-00-1_load_190	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_191	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_191	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_191	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_192	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_192	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_192	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_193	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_193	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_193	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_194	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_194	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_194	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_194	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_194	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_194	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_194	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_194	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_194	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_195	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_195	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_195	constant_power_C	14358.1	15223.6	7179.05	7611.8
load	R2-35-00-1_load_195	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_195	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_195	constant_power_C_real	14358.1	0.0	7179.05	0.0
load	R2-35-00-1_load_195	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_195	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_195	constant_power_C_reac	15223.6	0.0	7611.8	0.0
load	R2-35-00-1_load_196	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_196	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_196	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_196	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_196	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_196	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_196	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_196	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_196	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_197	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_197	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_197	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_198	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_198	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_198	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_199	constant_power_A	14798.1	15601.5	7399.05	7800.75
load	R2-35-00-1_load_199	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_199	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_199	constant_power_A_real	14798.1	0.0	7399.05	0.0
load	R2-35-00-1_load_199	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_199	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_199	constant_power_A_reac	15601.5	0.0	7800.75	0.0
load	R2-35-00-1_load_199	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_199	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_200	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_200	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_200	constant_power_C	5000.0	3200.0	2500.0	1600.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_200	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_200	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_200	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_200	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_200	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_200	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_201	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_201	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_201	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_201	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_201	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_201	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_201	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_201	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_201	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_202	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_202	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_202	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_203	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_203	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_203	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_204	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_204	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_204	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_205	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_205	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_205	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_206	constant_power_A	11509.6	12134.5	5754.8	6067.25
load	R2-35-00-1_load_206	constant_power_A_real	11509.6	0.0	5754.8	0.0
load	R2-35-00-1_load_206	constant_power_A_reac	12134.5	0.0	6067.25	0.0
load	R2-35-00-1_load_207	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_207	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_207	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_208	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_208	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_208	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_209	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_209	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_209	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_210	constant_power_A	13153.8	13868.0	6576.9	6934.0
load	R2-35-00-1_load_210	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_210	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_210	constant_power_A_real	13153.8	0.0	6576.9	0.0
load	R2-35-00-1_load_210	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_210	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_210	constant_power_A_reac	13868.0	0.0	6934.0	0.0
load	R2-35-00-1_load_210	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_210	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_211	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_211	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_211	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_212	constant_power_A	13153.8	13868.0	6576.9	6934.0
load	R2-35-00-1_load_212	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_212	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_212	constant_power_A_real	13153.8	0.0	6576.9	0.0
load	R2-35-00-1_load_212	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_212	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_212	constant_power_A_reac	13868.0	0.0	6934.0	0.0
load	R2-35-00-1_load_212	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_212	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_213	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_213	constant_power_A_real	16442.3	0.0	8221.15	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_213	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_214	constant_power_A	13153.8	13868.0	6576.9	6934.0
load	R2-35-00-1_load_214	constant_power_A_real	13153.8	0.0	6576.9	0.0
load	R2-35-00-1_load_214	constant_power_A_reac	13868.0	0.0	6934.0	0.0
load	R2-35-00-1_load_215	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_215	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_215	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_216	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_216	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_216	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_216	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_216	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_216	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_216	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_216	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_216	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_217	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_217	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_217	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_218	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_218	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_218	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_219	constant_power_B	22534.7	23900.2	11267.35	11950.1
load	R2-35-00-1_load_219	constant_power_B_real	22534.7	0.0	11267.35	0.0
load	R2-35-00-1_load_219	constant_power_B_reac	23900.2	0.0	11950.1	0.0
load	R2-35-00-1_load_220	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_220	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_220	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_220	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_220	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_220	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_220	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_220	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_220	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_221	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_221	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_221	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_221	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_221	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_221	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_221	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_221	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_221	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_222	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_222	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_222	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_223	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_223	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_223	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_223	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_223	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_223	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_223	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_223	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_223	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_224	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_224	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_224	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_225	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_225	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_225	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_226	constant_power_A	5000.0	3200.0	2500.0	1600.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_226	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_226	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_227	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_227	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_227	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_227	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_227	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_227	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_227	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_227	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_227	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_228	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_228	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_228	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_229	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_229	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_229	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_230	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_230	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_230	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_231	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_231	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_231	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_232	constant_power_B	11267.3	11950.1	5633.65	5975.05
load	R2-35-00-1_load_232	constant_power_B_real	11267.3	0.0	5633.65	0.0
load	R2-35-00-1_load_232	constant_power_B_reac	11950.1	0.0	5975.05	0.0
load	R2-35-00-1_load_233	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_233	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_233	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_234	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_234	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_234	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_235	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_235	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_235	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_236	constant_power_C	12762.8	13532.1	6381.4	6766.05
load	R2-35-00-1_load_236	constant_power_C_real	12762.8	0.0	6381.4	0.0
load	R2-35-00-1_load_236	constant_power_C_reac	13532.1	0.0	6766.05	0.0
load	R2-35-00-1_load_237	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_237	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_237	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_238	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_238	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_238	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_238	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_238	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_238	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_238	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_238	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_238	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_239	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_239	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_239	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_239	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_239	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_239	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_239	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_239	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_239	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_240	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_240	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_240	constant_power_B_reac	8535.78	0.0	4267.89	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_241	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_241	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_241	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_242	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_242	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_242	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_243	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_243	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_243	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_244	constant_power_A	11509.6	12134.5	5754.8	6067.25
load	R2-35-00-1_load_244	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_244	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_244	constant_power_A_real	11509.6	0.0	5754.8	0.0
load	R2-35-00-1_load_244	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_244	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_244	constant_power_A_reac	12134.5	0.0	6067.25	0.0
load	R2-35-00-1_load_244	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_244	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_245	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_245	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_245	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_246	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_246	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_246	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_246	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_246	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_246	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_246	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_246	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_246	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_247	constant_power_A	19730.7	20802.0	9865.35	10401.0
load	R2-35-00-1_load_247	constant_power_B	19315.4	20485.9	9657.7	10242.95
load	R2-35-00-1_load_247	constant_power_C	19144.2	20298.1	9572.1	10149.05
load	R2-35-00-1_load_247	constant_power_A_real	19730.7	0.0	9865.35	0.0
load	R2-35-00-1_load_247	constant_power_B_real	19315.4	0.0	9657.7	0.0
load	R2-35-00-1_load_247	constant_power_C_real	19144.2	0.0	9572.1	0.0
load	R2-35-00-1_load_247	constant_power_A_reac	20802.0	0.0	10401.0	0.0
load	R2-35-00-1_load_247	constant_power_B_reac	20485.9	0.0	10242.95	0.0
load	R2-35-00-1_load_247	constant_power_C_reac	20298.1	0.0	10149.05	0.0
load	R2-35-00-1_load_248	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_248	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_248	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_249	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_249	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_249	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_249	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_249	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_249	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_249	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_249	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_249	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_250	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_250	constant_power_B	12877.0	13657.3	6438.5	6828.65
load	R2-35-00-1_load_250	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_250	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_250	constant_power_B_real	12877.0	0.0	6438.5	0.0
load	R2-35-00-1_load_250	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_250	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_250	constant_power_B_reac	13657.3	0.0	6828.65	0.0
load	R2-35-00-1_load_250	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_251	constant_power_C	11167.4	11840.6	5583.7	5920.3
load	R2-35-00-1_load_251	constant_power_C_real	11167.4	0.0	5583.7	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_251	constant_power_C_reac	11840.6	0.0	5920.3	0.0
load	R2-35-00-1_load_252	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_252	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_252	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_253	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_253	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_253	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_254	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_254	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_254	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_255	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_255	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_255	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_255	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_255	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_255	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_255	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_255	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_255	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_256	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_256	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_256	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_256	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_256	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_256	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_256	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_256	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_256	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_257	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_257	constant_power_B	12877.0	13657.3	6438.5	6828.65
load	R2-35-00-1_load_257	constant_power_C	14358.1	15223.6	7179.05	7611.8
load	R2-35-00-1_load_257	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_257	constant_power_B_real	12877.0	0.0	6438.5	0.0
load	R2-35-00-1_load_257	constant_power_C_real	14358.1	0.0	7179.05	0.0
load	R2-35-00-1_load_257	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_257	constant_power_B_reac	13657.3	0.0	6828.65	0.0
load	R2-35-00-1_load_257	constant_power_C_reac	15223.6	0.0	7611.8	0.0
load	R2-35-00-1_load_258	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_258	constant_power_B	11267.3	11950.1	5633.65	5975.05
load	R2-35-00-1_load_258	constant_power_C	17548.8	18606.6	8774.4	9303.3
load	R2-35-00-1_load_258	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_258	constant_power_B_real	11267.3	0.0	5633.65	0.0
load	R2-35-00-1_load_258	constant_power_C_real	17548.8	0.0	8774.4	0.0
load	R2-35-00-1_load_258	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_258	constant_power_B_reac	11950.1	0.0	5975.05	0.0
load	R2-35-00-1_load_258	constant_power_C_reac	18606.6	0.0	9303.3	0.0
load	R2-35-00-1_load_259	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_259	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_259	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_259	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_259	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_259	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_259	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_259	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_259	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_260	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_260	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_260	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_260	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_260	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_260	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_260	constant_power_A_reac	17335.0	0.0	8667.5	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_260	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_260	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_261	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_261	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_261	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_262	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_262	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_262	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_263	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_263	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_263	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_264	constant_power_A	109885.0	82670.1	54942.5	41335.05
load	R2-35-00-1_load_264	constant_power_B	109192.0	82143.1	54596.0	41071.55
load	R2-35-00-1_load_264	constant_power_C	108907.0	81830.2	54453.5	40915.1
load	R2-35-00-1_load_264	constant_power_A_real	109885.0	0.0	54942.5	0.0
load	R2-35-00-1_load_264	constant_power_B_real	109192.0	0.0	54596.0	0.0
load	R2-35-00-1_load_264	constant_power_C_real	108907.0	0.0	54453.5	0.0
load	R2-35-00-1_load_264	constant_power_A_reac	82670.1	0.0	41335.05	0.0
load	R2-35-00-1_load_264	constant_power_B_reac	82143.1	0.0	41071.55	0.0
load	R2-35-00-1_load_264	constant_power_C_reac	81830.2	0.0	40915.1	0.0
load	R2-35-00-1_load_265	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_265	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_265	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_266	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_266	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_266	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_267	constant_power_B	11267.3	11950.1	5633.65	5975.05
load	R2-35-00-1_load_267	constant_power_B_real	11267.3	0.0	5633.65	0.0
load	R2-35-00-1_load_267	constant_power_B_reac	11950.1	0.0	5975.05	0.0
load	R2-35-00-1_load_268	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_268	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_268	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_269	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_269	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_269	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_269	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_269	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_269	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_269	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_269	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_269	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_270	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_270	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_270	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_271	constant_power_C	11167.4	11840.6	5583.7	5920.3
load	R2-35-00-1_load_271	constant_power_C_real	11167.4	0.0	5583.7	0.0
load	R2-35-00-1_load_271	constant_power_C_reac	11840.6	0.0	5920.3	0.0
load	R2-35-00-1_load_272	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_272	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_272	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_273	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_273	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_273	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_274	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_274	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_274	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_275	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_275	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_275	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_275	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_275	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_275	constant_power_C_real	5000.0	0.0	2500.0	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_275	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_275	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_275	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_276	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_276	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_276	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_277	constant_power_A	3500.0	2600.0	1750.0	1300.0
load	R2-35-00-1_load_277	constant_power_A_real	3500.0	0.0	1750.0	0.0
load	R2-35-00-1_load_277	constant_power_A_reac	2600.0	0.0	1300.0	0.0
load	R2-35-00-1_load_278	constant_power_A	2000.0	1000.0	1000.0	500.0
load	R2-35-00-1_load_278	constant_power_A_real	2000.0	0.0	1000.0	0.0
load	R2-35-00-1_load_278	constant_power_A_reac	1000.0	0.0	500.0	0.0
load	R2-35-00-1_load_279	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_279	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_279	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_279	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_279	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_279	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_279	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_279	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_279	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_280	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_280	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_280	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_281	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_281	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_281	constant_power_C	16591.6	17591.7	8295.8	8795.85
load	R2-35-00-1_load_281	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_281	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_281	constant_power_C_real	16591.6	0.0	8295.8	0.0
load	R2-35-00-1_load_281	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_281	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_281	constant_power_C_reac	17591.7	0.0	8795.85	0.0
load	R2-35-00-1_load_282	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_282	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_282	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_282	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_282	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_282	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_282	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_282	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_282	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_283	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_283	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_283	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_284	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_284	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_284	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_285	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_285	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_285	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_286	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_286	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_286	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_287	constant_power_A	6576.92	6934.01	3288.46	3467.005
load	R2-35-00-1_load_287	constant_power_B	14486.6	15364.4	7243.3	7682.2
load	R2-35-00-1_load_287	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_287	constant_power_A_real	6576.92	0.0	3288.46	0.0
load	R2-35-00-1_load_287	constant_power_B_real	14486.6	0.0	7243.3	0.0
load	R2-35-00-1_load_287	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_287	constant_power_A_reac	6934.01	0.0	3467.005	0.0
load	R2-35-00-1_load_287	constant_power_B_reac	15364.4	0.0	7682.2	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_287	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_288	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_288	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_288	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_288	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_288	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_288	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_288	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_288	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_288	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_289	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_289	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_289	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_289	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_289	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_289	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_289	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_289	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_289	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_290	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_290	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_290	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_290	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_290	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_290	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_290	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_290	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_290	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_291	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_291	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_291	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_291	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_291	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_291	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_291	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_291	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_291	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_292	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_292	constant_power_B	3219.24	3414.31	1609.62	1707.155
load	R2-35-00-1_load_292	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_292	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_292	constant_power_B_real	3219.24	0.0	1609.62	0.0
load	R2-35-00-1_load_292	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_292	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_292	constant_power_B_reac	3414.31	0.0	1707.155	0.0
load	R2-35-00-1_load_292	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_293	constant_power_C	14358.1	15223.6	7179.05	7611.8
load	R2-35-00-1_load_293	constant_power_C_real	14358.1	0.0	7179.05	0.0
load	R2-35-00-1_load_293	constant_power_C_reac	15223.6	0.0	7611.8	0.0
load	R2-35-00-1_load_294	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_294	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_294	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_295	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_295	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_295	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_296	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_296	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_296	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_297	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_297	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_297	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_297	constant_power_C_real	4786.04	0.0	2393.02	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_297	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_297	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_298	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_298	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_298	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_299	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_299	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_299	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_299	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_299	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_299	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_299	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_299	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_299	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_300	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_300	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_300	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_300	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_300	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_300	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_300	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_300	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_300	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_301	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_301	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_301	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_301	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_301	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_301	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_301	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_301	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_301	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_302	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_302	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_302	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_302	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_302	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_302	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_302	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_302	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_302	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_303	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_303	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_303	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_304	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_304	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_304	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_305	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_305	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_305	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_306	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_306	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_306	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_307	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_307	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_307	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_307	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_307	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_307	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_308	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_308	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_308	constant_power_B_real	5000.0	0.0	2500.0	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_308	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_308	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_308	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_309	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_309	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_309	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_309	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_309	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_309	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_310	constant_power_A	5590.38	5893.91	2795.19	2946.955
load	R2-35-00-1_load_310	constant_power_C	2233.48	2368.11	1116.74	1184.055
load	R2-35-00-1_load_310	constant_power_A_real	5590.38	0.0	2795.19	0.0
load	R2-35-00-1_load_310	constant_power_C_real	2233.48	0.0	1116.74	0.0
load	R2-35-00-1_load_310	constant_power_A_reac	5893.91	0.0	2946.955	0.0
load	R2-35-00-1_load_310	constant_power_C_reac	2368.11	0.0	1184.055	0.0
load	R2-35-00-1_load_311	constant_power_A	34528.8	36403.6	17264.4	18201.8
load	R2-35-00-1_load_311	constant_power_B	33802.0	35850.3	16901.0	17925.15
load	R2-35-00-1_load_311	constant_power_C	28716.2	30447.2	14358.1	15223.6
load	R2-35-00-1_load_311	constant_power_A_real	34528.8	0.0	17264.4	0.0
load	R2-35-00-1_load_311	constant_power_B_real	33802.0	0.0	16901.0	0.0
load	R2-35-00-1_load_311	constant_power_C_real	28716.2	0.0	14358.1	0.0
load	R2-35-00-1_load_311	constant_power_A_reac	36403.6	0.0	18201.8	0.0
load	R2-35-00-1_load_311	constant_power_B_reac	35850.3	0.0	17925.15	0.0
load	R2-35-00-1_load_311	constant_power_C_reac	30447.2	0.0	15223.6	0.0
load	R2-35-00-1_load_312	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_312	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_312	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_312	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_312	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_312	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_312	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_312	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_312	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_313	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_313	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_313	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_313	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_313	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_313	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_314	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_314	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_314	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_315	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_315	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_315	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_316	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_316	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_316	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_316	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_316	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_316	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_316	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_316	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_316	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_317	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_317	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_317	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_318	constant_power_A	21375.0	22535.5	10687.5	11267.75
load	R2-35-00-1_load_318	constant_power_B	20925.1	22193.0	10462.55	11096.5
load	R2-35-00-1_load_318	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_318	constant_power_A_real	21375.0	0.0	10687.5	0.0
load	R2-35-00-1_load_318	constant_power_B_real	20925.1	0.0	10462.55	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_318	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_318	constant_power_A_reac	22535.5	0.0	11267.75	0.0
load	R2-35-00-1_load_318	constant_power_B_reac	22193.0	0.0	11096.5	0.0
load	R2-35-00-1_load_318	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_319	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_319	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_319	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_319	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_319	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_319	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_319	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_319	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_319	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_320	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_320	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_320	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_320	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_320	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_320	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_320	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_320	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_320	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_321	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_321	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_321	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_321	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_321	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_321	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_321	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_321	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_321	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_322	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_322	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_322	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_323	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_323	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_323	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_323	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_323	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_323	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_324	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_324	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_324	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_325	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_325	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_325	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_326	constant_power_C	11167.4	11840.6	5583.7	5920.3
load	R2-35-00-1_load_326	constant_power_C_real	11167.4	0.0	5583.7	0.0
load	R2-35-00-1_load_326	constant_power_C_reac	11840.6	0.0	5920.3	0.0
load	R2-35-00-1_load_327	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_327	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_327	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_328	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_328	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_328	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_328	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_328	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_328	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_328	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_328	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_328	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_329	constant_power_B	5000.0	3200.0	2500.0	1600.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_329	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_329	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_330	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_330	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_330	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_331	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_331	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_331	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_332	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_332	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_332	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_332	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_332	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_332	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_332	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_332	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_332	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_333	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_333	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_333	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_333	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_334	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_334	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_334	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_334	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_334	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_334	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_334	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_334	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_335	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_335	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_335	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_336	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_336	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_336	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_336	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_336	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_336	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_336	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_336	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_336	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_337	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_337	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_337	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_338	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_338	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_338	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_339	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_339	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_339	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_340	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_340	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_340	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_341	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_341	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_341	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_342	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_342	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_342	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_343	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_343	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_343	constant_power_C_reac	5074.53	0.0	2537.265	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_344	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_344	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_344	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_345	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_345	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_345	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_346	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_346	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_346	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_347	constant_power_A	21375.0	22535.5	10687.5	11267.75
load	R2-35-00-1_load_347	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_347	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_347	constant_power_A_real	21375.0	0.0	10687.5	0.0
load	R2-35-00-1_load_347	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_347	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_347	constant_power_A_reac	22535.5	0.0	11267.75	0.0
load	R2-35-00-1_load_347	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_347	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_348	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_348	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_348	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_349	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_349	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_349	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_350	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_350	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_350	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_351	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_351	constant_power_B	965.772	1024.29	482.886	512.145
load	R2-35-00-1_load_351	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_351	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_351	constant_power_B_real	965.772	0.0	482.886	0.0
load	R2-35-00-1_load_351	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_351	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_351	constant_power_B_reac	1024.29	0.0	512.145	0.0
load	R2-35-00-1_load_351	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_352	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_352	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_352	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_353	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_353	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_353	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_354	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_354	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_354	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_354	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_354	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_354	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_354	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_354	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_354	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_355	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_355	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_355	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_356	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_356	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_356	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_357	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_357	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_357	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_358	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_358	constant_power_B	8048.1	8535.78	4024.05	4267.89

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_358	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_358	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_358	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_358	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_358	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_358	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_358	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_359	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_359	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_359	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_360	constant_power_A	32884.6	34670.1	16442.3	17335.05
load	R2-35-00-1_load_360	constant_power_B	28973.2	30728.8	14486.6	15364.4
load	R2-35-00-1_load_360	constant_power_C	39883.7	42287.7	19941.85	21143.85
load	R2-35-00-1_load_360	constant_power_A_real	32884.6	0.0	16442.3	0.0
load	R2-35-00-1_load_360	constant_power_B_real	28973.2	0.0	14486.6	0.0
load	R2-35-00-1_load_360	constant_power_C_real	39883.7	0.0	19941.85	0.0
load	R2-35-00-1_load_360	constant_power_A_reac	34670.1	0.0	17335.05	0.0
load	R2-35-00-1_load_360	constant_power_B_reac	30728.8	0.0	15364.4	0.0
load	R2-35-00-1_load_360	constant_power_C_reac	42287.7	0.0	21143.85	0.0
load	R2-35-00-1_load_361	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_361	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_361	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_361	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_361	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_361	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_361	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_361	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_361	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_362	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_362	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_362	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_362	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_362	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_362	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_362	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_362	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_362	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_363	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_363	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_363	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_364	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_364	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_364	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_364	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_364	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_364	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_364	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_364	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_364	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_365	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_365	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_365	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_365	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_365	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_365	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_365	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_365	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_365	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_366	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_366	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_366	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_366	constant_power_A_real	9865.37	0.0	4932.685	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_366	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_366	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_366	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_366	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_366	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_367	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_367	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_367	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_368	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_368	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_368	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_369	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_369	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_369	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_369	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_369	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_369	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_369	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_369	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_369	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_370	constant_power_A	41105.7	43337.6	20552.85	21668.8
load	R2-35-00-1_load_370	constant_power_B	40240.5	42678.9	20120.25	21339.45
load	R2-35-00-1_load_370	constant_power_C	39883.7	42287.7	19941.85	21143.85
load	R2-35-00-1_load_370	constant_power_A_real	41105.7	0.0	20552.85	0.0
load	R2-35-00-1_load_370	constant_power_B_real	40240.5	0.0	20120.25	0.0
load	R2-35-00-1_load_370	constant_power_C_real	39883.7	0.0	19941.85	0.0
load	R2-35-00-1_load_370	constant_power_A_reac	43337.6	0.0	21668.8	0.0
load	R2-35-00-1_load_370	constant_power_B_reac	42678.9	0.0	21339.45	0.0
load	R2-35-00-1_load_370	constant_power_C_reac	42287.7	0.0	21143.85	0.0
load	R2-35-00-1_load_371	constant_power_A	123885.0	90670.1	61942.5	45335.05
load	R2-35-00-1_load_371	constant_power_B	123192.0	90143.1	61596.0	45071.55
load	R2-35-00-1_load_371	constant_power_C	122907.0	89830.2	61453.5	44915.1
load	R2-35-00-1_load_371	constant_power_A_real	123885.0	0.0	61942.5	0.0
load	R2-35-00-1_load_371	constant_power_B_real	123192.0	0.0	61596.0	0.0
load	R2-35-00-1_load_371	constant_power_C_real	122907.0	0.0	61453.5	0.0
load	R2-35-00-1_load_371	constant_power_A_reac	90670.1	0.0	45335.05	0.0
load	R2-35-00-1_load_371	constant_power_B_reac	90143.1	0.0	45071.55	0.0
load	R2-35-00-1_load_371	constant_power_C_reac	89830.2	0.0	44915.1	0.0
load	R2-35-00-1_load_372	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_372	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_372	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_372	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_372	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_372	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_372	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_372	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_372	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_373	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_373	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_373	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_373	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_373	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_373	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_373	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_373	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_373	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_374	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_374	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_374	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_375	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_375	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_375	constant_power_B_reac	3200.0	0.0	1600.0	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_376	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_376	constant_power_B	24144.3	25607.3	12072.15	12803.65
load	R2-35-00-1_load_376	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_376	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_376	constant_power_B_real	24144.3	0.0	12072.15	0.0
load	R2-35-00-1_load_376	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_376	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_376	constant_power_B_reac	25607.3	0.0	12803.65	0.0
load	R2-35-00-1_load_376	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_377	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_377	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_377	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_378	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_378	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_378	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_378	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_378	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_378	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_378	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_378	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_378	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_379	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_379	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_379	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_379	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_379	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_379	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_379	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_379	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_379	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_380	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_380	constant_power_B	11911.2	12633.0	5955.6	6316.5
load	R2-35-00-1_load_380	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_380	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_380	constant_power_B_real	11911.2	0.0	5955.6	0.0
load	R2-35-00-1_load_380	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_380	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_380	constant_power_B_reac	12633.0	0.0	6316.5	0.0
load	R2-35-00-1_load_380	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_381	constant_power_A	21375.0	22535.5	10687.5	11267.75
load	R2-35-00-1_load_381	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_381	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_381	constant_power_A_real	21375.0	0.0	10687.5	0.0
load	R2-35-00-1_load_381	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_381	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_381	constant_power_A_reac	22535.5	0.0	11267.75	0.0
load	R2-35-00-1_load_381	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_381	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_382	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_382	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_382	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_382	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_382	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_382	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_382	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_382	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_382	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_383	constant_power_A	124885.0	91670.1	62442.5	45835.05
load	R2-35-00-1_load_383	constant_power_B	124192.0	91143.1	62096.0	45571.55
load	R2-35-00-1_load_383	constant_power_C	123907.0	90830.2	61953.5	45415.1
load	R2-35-00-1_load_383	constant_power_A_real	124885.0	0.0	62442.5	0.0
load	R2-35-00-1_load_383	constant_power_B_real	124192.0	0.0	62096.0	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_383	constant_power_C_real	123907.0	0.0	61953.5	0.0
load	R2-35-00-1_load_383	constant_power_A_reac	91670.1	0.0	45835.05	0.0
load	R2-35-00-1_load_383	constant_power_B_reac	91143.1	0.0	45571.55	0.0
load	R2-35-00-1_load_383	constant_power_C_reac	90830.2	0.0	45415.1	0.0
load	R2-35-00-1_load_384	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_384	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_384	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_384	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_384	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_384	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_384	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_384	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_384	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_385	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_385	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_385	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_386	constant_power_A	24663.4	26002.5	12331.7	13001.25
load	R2-35-00-1_load_386	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_386	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_386	constant_power_A_real	24663.4	0.0	12331.7	0.0
load	R2-35-00-1_load_386	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_386	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_386	constant_power_A_reac	26002.5	0.0	13001.25	0.0
load	R2-35-00-1_load_386	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_386	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_387	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_387	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_387	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_388	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_388	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_388	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_388	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_388	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_388	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_389	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_389	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_389	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_389	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_389	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_389	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_389	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_389	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_389	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_390	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_390	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_390	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_390	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_390	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_390	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_390	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_390	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_390	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_391	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_391	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_391	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_391	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_391	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_391	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_391	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_391	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_391	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_392	constant_power_A	21375.0	22535.5	10687.5	11267.75

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_392	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_392	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_392	constant_power_A_real	21375.0	0.0	10687.5	0.0
load	R2-35-00-1_load_392	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_392	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_392	constant_power_A_reac	22535.5	0.0	11267.75	0.0
load	R2-35-00-1_load_392	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_392	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_393	constant_power_A	13153.8	13868.0	6576.9	6934.0
load	R2-35-00-1_load_393	constant_power_B	11911.2	12633.0	5955.6	6316.5
load	R2-35-00-1_load_393	constant_power_C	11805.6	12517.2	5902.8	6258.6
load	R2-35-00-1_load_393	constant_power_A_real	13153.8	0.0	6576.9	0.0
load	R2-35-00-1_load_393	constant_power_B_real	11911.2	0.0	5955.6	0.0
load	R2-35-00-1_load_393	constant_power_C_real	11805.6	0.0	5902.8	0.0
load	R2-35-00-1_load_393	constant_power_A_reac	13868.0	0.0	6934.0	0.0
load	R2-35-00-1_load_393	constant_power_B_reac	12633.0	0.0	6316.5	0.0
load	R2-35-00-1_load_393	constant_power_C_reac	12517.2	0.0	6258.6	0.0
load	R2-35-00-1_load_394	constant_power_A	54917.2	57899.0	27458.6	28949.5
load	R2-35-00-1_load_394	constant_power_B	53761.3	57019.0	26880.65	28509.5
load	R2-35-00-1_load_394	constant_power_C	53284.6	56496.4	26642.3	28248.2
load	R2-35-00-1_load_394	constant_power_A_real	54917.2	0.0	27458.6	0.0
load	R2-35-00-1_load_394	constant_power_B_real	53761.3	0.0	26880.65	0.0
load	R2-35-00-1_load_394	constant_power_C_real	53284.6	0.0	26642.3	0.0
load	R2-35-00-1_load_394	constant_power_A_reac	57899.0	0.0	28949.5	0.0
load	R2-35-00-1_load_394	constant_power_B_reac	57019.0	0.0	28509.5	0.0
load	R2-35-00-1_load_394	constant_power_C_reac	56496.4	0.0	28248.2	0.0
load	R2-35-00-1_load_395	constant_power_A	9207.68	9707.62	4603.84	4853.81
load	R2-35-00-1_load_395	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_395	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_395	constant_power_A_real	9207.68	0.0	4603.84	0.0
load	R2-35-00-1_load_395	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_395	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_395	constant_power_A_reac	9707.62	0.0	4853.81	0.0
load	R2-35-00-1_load_395	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_395	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_396	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_396	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_396	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_396	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_396	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_396	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_396	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_396	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_396	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_397	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_397	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_397	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_397	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_397	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_397	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_397	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_397	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_397	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_398	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_398	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_398	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_398	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_398	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_398	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_398	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_398	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_398	constant_power_C_reac	5074.53	0.0	2537.265	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_399	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_399	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_399	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_400	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_400	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_400	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_401	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_401	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_401	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_401	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_401	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_401	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_401	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_401	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_401	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_402	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_402	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_402	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_403	constant_power_A	8221.15	8667.52	4110.575	4333.76
load	R2-35-00-1_load_403	constant_power_A_real	8221.15	0.0	4110.575	0.0
load	R2-35-00-1_load_403	constant_power_A_reac	8667.52	0.0	4333.76	0.0
load	R2-35-00-1_load_404	constant_power_A	73990.3	78007.6	36995.15	39003.8
load	R2-35-00-1_load_404	constant_power_B	64384.8	68286.3	32192.4	34143.15
load	R2-35-00-1_load_404	constant_power_C	63813.8	67660.4	31906.9	33830.2
load	R2-35-00-1_load_404	constant_power_A_real	73990.3	0.0	36995.15	0.0
load	R2-35-00-1_load_404	constant_power_B_real	64384.8	0.0	32192.4	0.0
load	R2-35-00-1_load_404	constant_power_C_real	63813.8	0.0	31906.9	0.0
load	R2-35-00-1_load_404	constant_power_A_reac	78007.6	0.0	39003.8	0.0
load	R2-35-00-1_load_404	constant_power_B_reac	68286.3	0.0	34143.15	0.0
load	R2-35-00-1_load_404	constant_power_C_reac	67660.4	0.0	33830.2	0.0
load	R2-35-00-1_load_405	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_405	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_405	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_406	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_406	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_406	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_407	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_407	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_407	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_407	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_407	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_407	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_407	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_407	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_407	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_408	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_408	constant_power_B	32192.4	34143.1	16096.2	17071.55
load	R2-35-00-1_load_408	constant_power_C	23930.2	25372.6	11965.1	12686.3
load	R2-35-00-1_load_408	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_408	constant_power_B_real	32192.4	0.0	16096.2	0.0
load	R2-35-00-1_load_408	constant_power_C_real	23930.2	0.0	11965.1	0.0
load	R2-35-00-1_load_408	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_408	constant_power_B_reac	34143.1	0.0	17071.55	0.0
load	R2-35-00-1_load_408	constant_power_C_reac	25372.6	0.0	12686.3	0.0
load	R2-35-00-1_load_409	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_409	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_409	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_409	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_409	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_409	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_409	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_409	constant_power_B_reac	17071.6	0.0	8535.8	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_409	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_410	constant_power_A	3288.46	3467.01	1644.23	1733.505
load	R2-35-00-1_load_410	constant_power_C	3190.69	3383.02	1595.345	1691.51
load	R2-35-00-1_load_410	constant_power_A_real	3288.46	0.0	1644.23	0.0
load	R2-35-00-1_load_410	constant_power_C_real	3190.69	0.0	1595.345	0.0
load	R2-35-00-1_load_410	constant_power_A_reac	3467.01	0.0	1733.505	0.0
load	R2-35-00-1_load_410	constant_power_C_reac	3383.02	0.0	1691.51	0.0
load	R2-35-00-1_load_411	constant_power_A	85442.3	60335.0	42721.15	30167.5
load	R2-35-00-1_load_411	constant_power_B	85096.2	60071.6	42548.1	30035.8
load	R2-35-00-1_load_411	constant_power_C	89739.5	64989.6	44869.75	32494.8
load	R2-35-00-1_load_411	constant_power_A_real	85442.3	0.0	42721.15	0.0
load	R2-35-00-1_load_411	constant_power_B_real	85096.2	0.0	42548.1	0.0
load	R2-35-00-1_load_411	constant_power_C_real	89739.5	0.0	44869.75	0.0
load	R2-35-00-1_load_411	constant_power_A_reac	60335.0	0.0	30167.5	0.0
load	R2-35-00-1_load_411	constant_power_B_reac	60071.6	0.0	30035.8	0.0
load	R2-35-00-1_load_411	constant_power_C_reac	64989.6	0.0	32494.8	0.0
load	R2-35-00-1_load_412	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_412	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_412	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_413	constant_power_B	8048.1	8535.78	4024.05	4267.89
load	R2-35-00-1_load_413	constant_power_B_real	8048.1	0.0	4024.05	0.0
load	R2-35-00-1_load_413	constant_power_B_reac	8535.78	0.0	4267.89	0.0
load	R2-35-00-1_load_414	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_414	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_414	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_414	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_414	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_414	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_414	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_414	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_414	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_415	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_415	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_415	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_415	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_415	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_415	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_415	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_415	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_415	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_416	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_416	constant_power_B	16096.2	17071.6	8048.1	8535.8
load	R2-35-00-1_load_416	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_416	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_416	constant_power_B_real	16096.2	0.0	8048.1	0.0
load	R2-35-00-1_load_416	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_416	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_416	constant_power_B_reac	17071.6	0.0	8535.8	0.0
load	R2-35-00-1_load_416	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_417	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_417	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_417	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_418	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_418	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_418	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_419	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_419	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_419	constant_power_C	9572.08	10149.1	4786.04	5074.55
load	R2-35-00-1_load_419	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_419	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_419	constant_power_C_real	9572.08	0.0	4786.04	0.0
load	R2-35-00-1_load_419	constant_power_A_reac	5200.51	0.0	2600.255	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_419	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_419	constant_power_C_reac	10149.1	0.0	5074.55	0.0
load	R2-35-00-1_load_420	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_420	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_420	constant_power_C	20739.5	21989.6	10369.75	10994.8
load	R2-35-00-1_load_420	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_420	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_420	constant_power_C_real	20739.5	0.0	10369.75	0.0
load	R2-35-00-1_load_420	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_420	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_420	constant_power_C_reac	21989.6	0.0	10994.8	0.0
load	R2-35-00-1_load_421	constant_power_B	9657.72	10242.9	4828.86	5121.45
load	R2-35-00-1_load_421	constant_power_B_real	9657.72	0.0	4828.86	0.0
load	R2-35-00-1_load_421	constant_power_B_reac	10242.9	0.0	5121.45	0.0
load	R2-35-00-1_load_422	constant_power_B	12877.0	13657.3	6438.5	6828.65
load	R2-35-00-1_load_422	constant_power_B_real	12877.0	0.0	6438.5	0.0
load	R2-35-00-1_load_422	constant_power_B_reac	13657.3	0.0	6828.65	0.0
load	R2-35-00-1_load_423	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_423	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_423	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_423	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_423	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_423	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_423	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_423	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_423	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_424	constant_power_A	16442.3	17335.0	8221.15	8667.5
load	R2-35-00-1_load_424	constant_power_A_real	16442.3	0.0	8221.15	0.0
load	R2-35-00-1_load_424	constant_power_A_reac	17335.0	0.0	8667.5	0.0
load	R2-35-00-1_load_425	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_425	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_425	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_425	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_425	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_425	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_425	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_425	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_425	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_426	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_426	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_426	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_427	constant_power_A	11509.6	12134.5	5754.8	6067.25
load	R2-35-00-1_load_427	constant_power_B	11267.3	11950.1	5633.65	5975.05
load	R2-35-00-1_load_427	constant_power_C	12762.8	13532.1	6381.4	6766.05
load	R2-35-00-1_load_427	constant_power_A_real	11509.6	0.0	5754.8	0.0
load	R2-35-00-1_load_427	constant_power_B_real	11267.3	0.0	5633.65	0.0
load	R2-35-00-1_load_427	constant_power_C_real	12762.8	0.0	6381.4	0.0
load	R2-35-00-1_load_427	constant_power_A_reac	12134.5	0.0	6067.25	0.0
load	R2-35-00-1_load_427	constant_power_B_reac	11950.1	0.0	5975.05	0.0
load	R2-35-00-1_load_427	constant_power_C_reac	13532.1	0.0	6766.05	0.0
load	R2-35-00-1_load_428	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_428	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_428	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_428	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_428	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_428	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_428	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_428	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_428	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_429	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_429	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_429	constant_power_C_reac	5074.53	0.0	2537.265	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_430	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_430	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_430	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_431	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_431	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_431	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_432	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_432	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_432	constant_power_C	7976.73	8457.55	3988.365	4228.775
load	R2-35-00-1_load_432	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_432	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_432	constant_power_C_real	7976.73	0.0	3988.365	0.0
load	R2-35-00-1_load_432	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_432	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_432	constant_power_C_reac	8457.55	0.0	4228.775	0.0
load	R2-35-00-1_load_433	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_433	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_433	constant_power_C	4786.04	5074.53	2393.02	2537.265
load	R2-35-00-1_load_433	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_433	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_433	constant_power_C_real	4786.04	0.0	2393.02	0.0
load	R2-35-00-1_load_433	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_433	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_433	constant_power_C_reac	5074.53	0.0	2537.265	0.0
load	R2-35-00-1_load_434	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_434	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_434	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_435	constant_power_B	4828.86	5121.47	2414.43	2560.735
load	R2-35-00-1_load_435	constant_power_B_real	4828.86	0.0	2414.43	0.0
load	R2-35-00-1_load_435	constant_power_B_reac	5121.47	0.0	2560.735	0.0
load	R2-35-00-1_load_436	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_436	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_436	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_437	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_437	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_437	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_438	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_438	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_438	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_439	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_439	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_439	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_440	constant_power_A	4932.69	5200.51	2466.345	2600.255
load	R2-35-00-1_load_440	constant_power_B	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_440	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_440	constant_power_A_real	4932.69	0.0	2466.345	0.0
load	R2-35-00-1_load_440	constant_power_B_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_440	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_440	constant_power_A_reac	5200.51	0.0	2600.255	0.0
load	R2-35-00-1_load_440	constant_power_B_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_440	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_441	constant_power_A	9865.37	10401.0	4932.685	5200.5
load	R2-35-00-1_load_441	constant_power_C	15953.5	16915.1	7976.75	8457.55
load	R2-35-00-1_load_441	constant_power_A_real	9865.37	0.0	4932.685	0.0
load	R2-35-00-1_load_441	constant_power_C_real	15953.5	0.0	7976.75	0.0
load	R2-35-00-1_load_441	constant_power_A_reac	10401.0	0.0	5200.5	0.0
load	R2-35-00-1_load_441	constant_power_C_reac	16915.1	0.0	8457.55	0.0
load	R2-35-00-1_load_442	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_442	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_442	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_443	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_443	constant_power_A_real	5000.0	0.0	2500.0	0.0

Table 27: Validation data for loadfactor taxonomy R2-35000-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R2-35-00-1_load_443	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_444	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_444	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_444	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_445	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_445	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_445	constant_power_A_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_446	constant_power_C	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_446	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_446	constant_power_C_reac	3200.0	0.0	1600.0	0.0
load	R2-35-00-1_load_447	constant_power_A	5000.0	3200.0	2500.0	1600.0
load	R2-35-00-1_load_447	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R2-35-00-1_load_447	constant_power_A_reac	3200.0	0.0	1600.0	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_1	constant_power_A	170000.0	105300.0	85000.0	52650.0
load	R3-12-47-1_load_1	constant_power_B	170000.0	105300.0	85000.0	52650.0
load	R3-12-47-1_load_1	constant_power_C	170000.0	105300.0	85000.0	52650.0
load	R3-12-47-1_load_1	constant_power_A_real	170000.0	0.0	85000.0	0.0
load	R3-12-47-1_load_1	constant_power_B_real	170000.0	0.0	85000.0	0.0
load	R3-12-47-1_load_1	constant_power_C_real	170000.0	0.0	85000.0	0.0
load	R3-12-47-1_load_1	constant_power_A_reac	105300.0	0.0	52650.0	0.0
load	R3-12-47-1_load_1	constant_power_B_reac	105300.0	0.0	52650.0	0.0
load	R3-12-47-1_load_1	constant_power_C_reac	105300.0	0.0	52650.0	0.0
load	R3-12-47-1_load_2	constant_power_A	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_2	constant_power_B	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_2	constant_power_C	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_2	constant_power_A_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_2	constant_power_B_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_2	constant_power_C_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_2	constant_power_A_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_2	constant_power_B_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_2	constant_power_C_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_3	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_3	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_3	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_3	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_3	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_3	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_3	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_3	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_3	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_4	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_4	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_4	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_4	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_4	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_4	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_4	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_4	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_4	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_5	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_5	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_5	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_5	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_5	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_5	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_5	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_5	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_5	constant_power_C_reac	5394.69	0.0	2697.345	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_6	constant_power_A	41000.0	25400.0	20500.0	12700.0
load	R3-12-47-1_load_6	constant_power_B	41000.0	25400.0	20500.0	12700.0
load	R3-12-47-1_load_6	constant_power_C	41000.0	25400.0	20500.0	12700.0
load	R3-12-47-1_load_6	constant_power_A_real	41000.0	0.0	20500.0	0.0
load	R3-12-47-1_load_6	constant_power_B_real	41000.0	0.0	20500.0	0.0
load	R3-12-47-1_load_6	constant_power_C_real	41000.0	0.0	20500.0	0.0
load	R3-12-47-1_load_6	constant_power_A_reac	25400.0	0.0	12700.0	0.0
load	R3-12-47-1_load_6	constant_power_B_reac	25400.0	0.0	12700.0	0.0
load	R3-12-47-1_load_6	constant_power_C_reac	25400.0	0.0	12700.0	0.0
load	R3-12-47-1_load_7	constant_power_A	201700.0	125000.0	100850.0	62500.0
load	R3-12-47-1_load_7	constant_power_B	201700.0	125000.0	100850.0	62500.0
load	R3-12-47-1_load_7	constant_power_C	201700.0	125000.0	100850.0	62500.0
load	R3-12-47-1_load_7	constant_power_A_real	201700.0	0.0	100850.0	0.0
load	R3-12-47-1_load_7	constant_power_B_real	201700.0	0.0	100850.0	0.0
load	R3-12-47-1_load_7	constant_power_C_real	201700.0	0.0	100850.0	0.0
load	R3-12-47-1_load_7	constant_power_A_reac	125000.0	0.0	62500.0	0.0
load	R3-12-47-1_load_7	constant_power_B_reac	125000.0	0.0	62500.0	0.0
load	R3-12-47-1_load_7	constant_power_C_reac	125000.0	0.0	62500.0	0.0
load	R3-12-47-1_load_8	constant_power_A	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_8	constant_power_B	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_8	constant_power_C	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_8	constant_power_A_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_8	constant_power_B_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_8	constant_power_C_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_8	constant_power_A_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_8	constant_power_B_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_8	constant_power_C_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_9	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_9	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_9	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_9	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_9	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_9	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_9	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_9	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_9	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_10	constant_power_A	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_10	constant_power_B	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_10	constant_power_C	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_10	constant_power_A_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_10	constant_power_B_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_10	constant_power_C_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_10	constant_power_A_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_10	constant_power_B_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_10	constant_power_C_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_11	constant_power_B	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_11	constant_power_C	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_11	constant_power_B_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_11	constant_power_C_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_11	constant_power_B_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_11	constant_power_C_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_12	constant_power_A	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_12	constant_power_C	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_12	constant_power_A_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_12	constant_power_C_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_12	constant_power_A_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_12	constant_power_C_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_13	constant_power_A	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_13	constant_power_B	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_13	constant_power_C	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_13	constant_power_A_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_13	constant_power_B_real	35524.9	0.0	17762.45	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_13	constant_power_C_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_13	constant_power_A_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_13	constant_power_B_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_13	constant_power_C_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_14	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_14	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_14	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_14	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_14	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_14	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_14	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_14	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_14	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_15	constant_power_A	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_15	constant_power_B	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_15	constant_power_C	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_15	constant_power_A_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_15	constant_power_B_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_15	constant_power_C_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_15	constant_power_A_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_15	constant_power_B_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_15	constant_power_C_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_16	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_16	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_16	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_16	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_16	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_16	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_16	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_16	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_16	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_17	constant_power_A	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_17	constant_power_B	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_17	constant_power_C	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_17	constant_power_A_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_17	constant_power_B_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_17	constant_power_C_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_17	constant_power_A_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_17	constant_power_B_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_17	constant_power_C_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_18	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_18	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_18	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_18	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_18	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_18	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_18	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_18	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_18	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_19	constant_power_A	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_19	constant_power_B	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_19	constant_power_C	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_19	constant_power_A_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_19	constant_power_B_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_19	constant_power_C_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_19	constant_power_A_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_19	constant_power_B_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_19	constant_power_C_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_20	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_20	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_20	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_20	constant_power_A_real	8870.82	0.0	4435.41	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_20	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_20	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_20	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_20	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_20	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_21	constant_power_A	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_21	constant_power_B	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_21	constant_power_A_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_21	constant_power_B_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_21	constant_power_A_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_21	constant_power_B_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_22	constant_power_A	1754.6	1067.04	877.3	533.52
load	R3-12-47-1_load_22	constant_power_C	1754.6	1067.04	877.3	533.52
load	R3-12-47-1_load_22	constant_power_A_real	1754.6	0.0	877.3	0.0
load	R3-12-47-1_load_22	constant_power_C_real	1754.6	0.0	877.3	0.0
load	R3-12-47-1_load_22	constant_power_A_reac	1067.04	0.0	533.52	0.0
load	R3-12-47-1_load_22	constant_power_C_reac	1067.04	0.0	533.52	0.0
load	R3-12-47-1_load_23	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_23	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_23	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_23	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_23	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_23	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_23	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_23	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_23	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_24	constant_power_A	1754.6	1067.04	877.3	533.52
load	R3-12-47-1_load_24	constant_power_B	1754.6	1067.04	877.3	533.52
load	R3-12-47-1_load_24	constant_power_C	1754.6	1067.04	877.3	533.52
load	R3-12-47-1_load_24	constant_power_A_real	1754.6	0.0	877.3	0.0
load	R3-12-47-1_load_24	constant_power_B_real	1754.6	0.0	877.3	0.0
load	R3-12-47-1_load_24	constant_power_C_real	1754.6	0.0	877.3	0.0
load	R3-12-47-1_load_24	constant_power_A_reac	1067.04	0.0	533.52	0.0
load	R3-12-47-1_load_24	constant_power_B_reac	1067.04	0.0	533.52	0.0
load	R3-12-47-1_load_24	constant_power_C_reac	1067.04	0.0	533.52	0.0
load	R3-12-47-1_load_25	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_25	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_25	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_25	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_25	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_25	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_26	constant_power_A	34000.0	21100.0	17000.0	10550.0
load	R3-12-47-1_load_26	constant_power_B	34000.0	21100.0	17000.0	10550.0
load	R3-12-47-1_load_26	constant_power_C	34000.0	21100.0	17000.0	10550.0
load	R3-12-47-1_load_26	constant_power_A_real	34000.0	0.0	17000.0	0.0
load	R3-12-47-1_load_26	constant_power_B_real	34000.0	0.0	17000.0	0.0
load	R3-12-47-1_load_26	constant_power_C_real	34000.0	0.0	17000.0	0.0
load	R3-12-47-1_load_26	constant_power_A_reac	21100.0	0.0	10550.0	0.0
load	R3-12-47-1_load_26	constant_power_B_reac	21100.0	0.0	10550.0	0.0
load	R3-12-47-1_load_26	constant_power_C_reac	21100.0	0.0	10550.0	0.0
load	R3-12-47-1_load_27	constant_power_A	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_27	constant_power_C	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_27	constant_power_A_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_27	constant_power_C_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_27	constant_power_A_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_27	constant_power_C_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_28	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_28	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_28	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_28	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_28	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_28	constant_power_C_real	8870.82	0.0	4435.41	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_28	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_28	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_28	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_29	constant_power_A	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_29	constant_power_B	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_29	constant_power_C	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_29	constant_power_A_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_29	constant_power_B_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_29	constant_power_C_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_29	constant_power_A_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_29	constant_power_B_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_29	constant_power_C_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_30	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_30	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_30	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_30	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_30	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_30	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_30	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_30	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_30	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_31	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_31	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_31	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_31	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_31	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_31	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_31	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_31	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_31	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_32	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_32	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_32	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_32	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_32	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_32	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_32	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_32	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_32	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_33	constant_power_A	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_33	constant_power_B	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_33	constant_power_A_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_33	constant_power_B_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_33	constant_power_A_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_33	constant_power_B_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_34	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_34	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_34	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_34	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_34	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_34	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_34	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_34	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_34	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_35	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_35	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_35	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_35	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_35	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_35	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_35	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_35	constant_power_B_reac	5394.69	0.0	2697.345	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_35	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_36	constant_power_A	7097.5	4316.27	3548.75	2158.135
load	R3-12-47-1_load_36	constant_power_B	7097.5	4316.27	3548.75	2158.135
load	R3-12-47-1_load_36	constant_power_C	7097.5	4316.27	3548.75	2158.135
load	R3-12-47-1_load_36	constant_power_A_real	7097.5	0.0	3548.75	0.0
load	R3-12-47-1_load_36	constant_power_B_real	7097.5	0.0	3548.75	0.0
load	R3-12-47-1_load_36	constant_power_C_real	7097.5	0.0	3548.75	0.0
load	R3-12-47-1_load_36	constant_power_A_reac	4316.27	0.0	2158.135	0.0
load	R3-12-47-1_load_36	constant_power_B_reac	4316.27	0.0	2158.135	0.0
load	R3-12-47-1_load_36	constant_power_C_reac	4316.27	0.0	2158.135	0.0
load	R3-12-47-1_load_37	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_37	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_37	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_37	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_37	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_37	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_37	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_37	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_37	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_38	constant_power_A	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_38	constant_power_B	4435.41	2697.35	2217.705	1348.675
load	R3-12-47-1_load_38	constant_power_A_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_38	constant_power_B_real	4435.41	0.0	2217.705	0.0
load	R3-12-47-1_load_38	constant_power_A_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_38	constant_power_B_reac	2697.35	0.0	1348.675	0.0
load	R3-12-47-1_load_39	constant_power_A	5342.9	3249.23	2671.45	1624.615
load	R3-12-47-1_load_39	constant_power_B	5342.9	3249.23	2671.45	1624.615
load	R3-12-47-1_load_39	constant_power_C	5342.9	3249.23	2671.45	1624.615
load	R3-12-47-1_load_39	constant_power_A_real	5342.9	0.0	2671.45	0.0
load	R3-12-47-1_load_39	constant_power_B_real	5342.9	0.0	2671.45	0.0
load	R3-12-47-1_load_39	constant_power_C_real	5342.9	0.0	2671.45	0.0
load	R3-12-47-1_load_39	constant_power_A_reac	3249.23	0.0	1624.615	0.0
load	R3-12-47-1_load_39	constant_power_B_reac	3249.23	0.0	1624.615	0.0
load	R3-12-47-1_load_39	constant_power_C_reac	3249.23	0.0	1624.615	0.0
load	R3-12-47-1_load_40	constant_power_A	10000.0	6200.0	5000.0	3100.0
load	R3-12-47-1_load_40	constant_power_B	10000.0	6200.0	5000.0	3100.0
load	R3-12-47-1_load_40	constant_power_C	10000.0	6200.0	5000.0	3100.0
load	R3-12-47-1_load_40	constant_power_A_real	10000.0	0.0	5000.0	0.0
load	R3-12-47-1_load_40	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	R3-12-47-1_load_40	constant_power_C_real	10000.0	0.0	5000.0	0.0
load	R3-12-47-1_load_40	constant_power_A_reac	6200.0	0.0	3100.0	0.0
load	R3-12-47-1_load_40	constant_power_B_reac	6200.0	0.0	3100.0	0.0
load	R3-12-47-1_load_40	constant_power_C_reac	6200.0	0.0	3100.0	0.0
load	R3-12-47-1_load_41	constant_power_B	6653.12	4046.02	3326.56	2023.01
load	R3-12-47-1_load_41	constant_power_C	6653.12	4046.02	3326.56	2023.01
load	R3-12-47-1_load_41	constant_power_B_real	6653.12	0.0	3326.56	0.0
load	R3-12-47-1_load_41	constant_power_C_real	6653.12	0.0	3326.56	0.0
load	R3-12-47-1_load_41	constant_power_B_reac	4046.02	0.0	2023.01	0.0
load	R3-12-47-1_load_41	constant_power_C_reac	4046.02	0.0	2023.01	0.0
load	R3-12-47-1_load_42	constant_power_A	2680.82	1630.31	1340.41	815.155
load	R3-12-47-1_load_42	constant_power_C	2680.82	1630.31	1340.41	815.155
load	R3-12-47-1_load_42	constant_power_A_real	2680.82	0.0	1340.41	0.0
load	R3-12-47-1_load_42	constant_power_C_real	2680.82	0.0	1340.41	0.0
load	R3-12-47-1_load_42	constant_power_A_reac	1630.31	0.0	815.155	0.0
load	R3-12-47-1_load_42	constant_power_C_reac	1630.31	0.0	815.155	0.0
load	R3-12-47-1_load_43	constant_power_A	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_43	constant_power_B	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_43	constant_power_C	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_43	constant_power_A_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_43	constant_power_B_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_43	constant_power_C_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_43	constant_power_A_reac	21604.1	0.0	10802.05	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_43	constant_power_B_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_43	constant_power_C_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_44	constant_power_A	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_44	constant_power_B	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_44	constant_power_C	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_44	constant_power_A_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_44	constant_power_B_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_44	constant_power_C_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_44	constant_power_A_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_44	constant_power_B_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_44	constant_power_C_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_45	constant_power_A	17700.0	10900.0	8850.0	5450.0
load	R3-12-47-1_load_45	constant_power_B	17700.0	10900.0	8850.0	5450.0
load	R3-12-47-1_load_45	constant_power_C	17700.0	10900.0	8850.0	5450.0
load	R3-12-47-1_load_45	constant_power_A_real	17700.0	0.0	8850.0	0.0
load	R3-12-47-1_load_45	constant_power_B_real	17700.0	0.0	8850.0	0.0
load	R3-12-47-1_load_45	constant_power_C_real	17700.0	0.0	8850.0	0.0
load	R3-12-47-1_load_45	constant_power_A_reac	10900.0	0.0	5450.0	0.0
load	R3-12-47-1_load_45	constant_power_B_reac	10900.0	0.0	5450.0	0.0
load	R3-12-47-1_load_45	constant_power_C_reac	10900.0	0.0	5450.0	0.0
load	R3-12-47-1_load_46	constant_power_A	1754.6	1067.04	877.3	533.52
load	R3-12-47-1_load_46	constant_power_C	1754.6	1067.04	877.3	533.52
load	R3-12-47-1_load_46	constant_power_A_real	1754.6	0.0	877.3	0.0
load	R3-12-47-1_load_46	constant_power_C_real	1754.6	0.0	877.3	0.0
load	R3-12-47-1_load_46	constant_power_A_reac	1067.04	0.0	533.52	0.0
load	R3-12-47-1_load_46	constant_power_C_reac	1067.04	0.0	533.52	0.0
load	R3-12-47-1_load_47	constant_power_A	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_47	constant_power_B	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_47	constant_power_C	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_47	constant_power_A_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_47	constant_power_B_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_47	constant_power_C_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_47	constant_power_A_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_47	constant_power_B_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_47	constant_power_C_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_48	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_48	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_48	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_48	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_48	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_48	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_48	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_48	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_48	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_49	constant_power_A	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_49	constant_power_B	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_49	constant_power_C	35524.9	21604.1	17762.45	10802.05
load	R3-12-47-1_load_49	constant_power_A_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_49	constant_power_B_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_49	constant_power_C_real	35524.9	0.0	17762.45	0.0
load	R3-12-47-1_load_49	constant_power_A_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_49	constant_power_B_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_49	constant_power_C_reac	21604.1	0.0	10802.05	0.0
load	R3-12-47-1_load_50	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_50	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_50	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_50	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_50	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_50	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_50	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_50	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_50	constant_power_C_reac	10796.3	0.0	5398.15	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_51	constant_power_A	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_51	constant_power_B	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_51	constant_power_C	17753.1	10796.3	8876.55	5398.15
load	R3-12-47-1_load_51	constant_power_A_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_51	constant_power_B_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_51	constant_power_C_real	17753.1	0.0	8876.55	0.0
load	R3-12-47-1_load_51	constant_power_A_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_51	constant_power_B_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_51	constant_power_C_reac	10796.3	0.0	5398.15	0.0
load	R3-12-47-1_load_52	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_52	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_52	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_52	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_52	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_52	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_52	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_52	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_52	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_53	constant_power_A	97300.0	60300.0	48650.0	30150.0
load	R3-12-47-1_load_53	constant_power_B	97300.0	60300.0	48650.0	30150.0
load	R3-12-47-1_load_53	constant_power_C	97300.0	60300.0	48650.0	30150.0
load	R3-12-47-1_load_53	constant_power_A_real	97300.0	0.0	48650.0	0.0
load	R3-12-47-1_load_53	constant_power_B_real	97300.0	0.0	48650.0	0.0
load	R3-12-47-1_load_53	constant_power_C_real	97300.0	0.0	48650.0	0.0
load	R3-12-47-1_load_53	constant_power_A_reac	60300.0	0.0	30150.0	0.0
load	R3-12-47-1_load_53	constant_power_B_reac	60300.0	0.0	30150.0	0.0
load	R3-12-47-1_load_53	constant_power_C_reac	60300.0	0.0	30150.0	0.0
load	R3-12-47-1_load_54	constant_power_A	7688.59	4675.74	3844.295	2337.87
load	R3-12-47-1_load_54	constant_power_B	7688.59	4675.74	3844.295	2337.87
load	R3-12-47-1_load_54	constant_power_C	7688.59	4675.74	3844.295	2337.87
load	R3-12-47-1_load_54	constant_power_A_real	7688.59	0.0	3844.295	0.0
load	R3-12-47-1_load_54	constant_power_B_real	7688.59	0.0	3844.295	0.0
load	R3-12-47-1_load_54	constant_power_C_real	7688.59	0.0	3844.295	0.0
load	R3-12-47-1_load_54	constant_power_A_reac	4675.74	0.0	2337.87	0.0
load	R3-12-47-1_load_54	constant_power_B_reac	4675.74	0.0	2337.87	0.0
load	R3-12-47-1_load_54	constant_power_C_reac	4675.74	0.0	2337.87	0.0
load	R3-12-47-1_load_55	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_55	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_55	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_55	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_55	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_55	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_55	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_55	constant_power_B_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_55	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_56	constant_power_A	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_56	constant_power_B	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_56	constant_power_C	26654.1	16209.4	13327.05	8104.7
load	R3-12-47-1_load_56	constant_power_A_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_56	constant_power_B_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_56	constant_power_C_real	26654.1	0.0	13327.05	0.0
load	R3-12-47-1_load_56	constant_power_A_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_56	constant_power_B_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_56	constant_power_C_reac	16209.4	0.0	8104.7	0.0
load	R3-12-47-1_load_57	constant_power_A	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_57	constant_power_B	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_57	constant_power_C	8870.82	5394.69	4435.41	2697.345
load	R3-12-47-1_load_57	constant_power_A_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_57	constant_power_B_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_57	constant_power_C_real	8870.82	0.0	4435.41	0.0
load	R3-12-47-1_load_57	constant_power_A_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_57	constant_power_B_reac	5394.69	0.0	2697.345	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_57	constant_power_C_reac	5394.69	0.0	2697.345	0.0
load	R3-12-47-1_load_58	constant_power_A	116700.0	72300.0	58350.0	36150.0
load	R3-12-47-1_load_58	constant_power_B	116700.0	72300.0	58350.0	36150.0
load	R3-12-47-1_load_58	constant_power_C	116700.0	72300.0	58350.0	36150.0
load	R3-12-47-1_load_58	constant_power_A_real	116700.0	0.0	58350.0	0.0
load	R3-12-47-1_load_58	constant_power_B_real	116700.0	0.0	58350.0	0.0
load	R3-12-47-1_load_58	constant_power_C_real	116700.0	0.0	58350.0	0.0
load	R3-12-47-1_load_58	constant_power_A_reac	72300.0	0.0	36150.0	0.0
load	R3-12-47-1_load_58	constant_power_B_reac	72300.0	0.0	36150.0	0.0
load	R3-12-47-1_load_58	constant_power_C_reac	72300.0	0.0	36150.0	0.0
load	R3-12-47-1_load_59	constant_power_A	92300.0	57200.0	46150.0	28600.0
load	R3-12-47-1_load_59	constant_power_B	92300.0	57200.0	46150.0	28600.0
load	R3-12-47-1_load_59	constant_power_C	92300.0	57200.0	46150.0	28600.0
load	R3-12-47-1_load_59	constant_power_A_real	92300.0	0.0	46150.0	0.0
load	R3-12-47-1_load_59	constant_power_B_real	92300.0	0.0	46150.0	0.0
load	R3-12-47-1_load_59	constant_power_C_real	92300.0	0.0	46150.0	0.0
load	R3-12-47-1_load_59	constant_power_A_reac	57200.0	0.0	28600.0	0.0
load	R3-12-47-1_load_59	constant_power_B_reac	57200.0	0.0	28600.0	0.0
load	R3-12-47-1_load_59	constant_power_C_reac	57200.0	0.0	28600.0	0.0
load	R3-12-47-1_load_60	constant_power_A	21800.0	13500.0	10900.0	6750.0
load	R3-12-47-1_load_60	constant_power_B	21800.0	13500.0	10900.0	6750.0
load	R3-12-47-1_load_60	constant_power_C	21800.0	13500.0	10900.0	6750.0
load	R3-12-47-1_load_60	constant_power_A_real	21800.0	0.0	10900.0	0.0
load	R3-12-47-1_load_60	constant_power_B_real	21800.0	0.0	10900.0	0.0
load	R3-12-47-1_load_60	constant_power_C_real	21800.0	0.0	10900.0	0.0
load	R3-12-47-1_load_60	constant_power_A_reac	13500.0	0.0	6750.0	0.0
load	R3-12-47-1_load_60	constant_power_B_reac	13500.0	0.0	6750.0	0.0
load	R3-12-47-1_load_60	constant_power_C_reac	13500.0	0.0	6750.0	0.0
load	R3-12-47-1_load_61	constant_power_A	412000.0	255400.0	206000.0	127700.0
load	R3-12-47-1_load_61	constant_power_B	412000.0	255400.0	206000.0	127700.0
load	R3-12-47-1_load_61	constant_power_C	412000.0	255400.0	206000.0	127700.0
load	R3-12-47-1_load_61	constant_power_A_real	412000.0	0.0	206000.0	0.0
load	R3-12-47-1_load_61	constant_power_B_real	412000.0	0.0	206000.0	0.0
load	R3-12-47-1_load_61	constant_power_C_real	412000.0	0.0	206000.0	0.0
load	R3-12-47-1_load_61	constant_power_A_reac	255400.0	0.0	127700.0	0.0
load	R3-12-47-1_load_61	constant_power_B_reac	255400.0	0.0	127700.0	0.0
load	R3-12-47-1_load_61	constant_power_C_reac	255400.0	0.0	127700.0	0.0
load	R3-12-47-1_load_62	constant_power_A	1266700.0	785300.0	633350.0	392650.0
load	R3-12-47-1_load_62	constant_power_B	1266700.0	785300.0	633350.0	392650.0
load	R3-12-47-1_load_62	constant_power_C	1266700.0	785300.0	633350.0	392650.0
load	R3-12-47-1_load_62	constant_power_A_real	1266700.0	0.0	633350.0	0.0
load	R3-12-47-1_load_62	constant_power_B_real	1266700.0	0.0	633350.0	0.0
load	R3-12-47-1_load_62	constant_power_C_real	1266700.0	0.0	633350.0	0.0
load	R3-12-47-1_load_62	constant_power_A_reac	785300.0	0.0	392650.0	0.0
load	R3-12-47-1_load_62	constant_power_B_reac	785300.0	0.0	392650.0	0.0
load	R3-12-47-1_load_62	constant_power_C_reac	785300.0	0.0	392650.0	0.0
load	R3-12-47-1_load_63	constant_power_A	50000.0	31000.0	25000.0	15500.0
load	R3-12-47-1_load_63	constant_power_B	50000.0	31000.0	25000.0	15500.0
load	R3-12-47-1_load_63	constant_power_C	50000.0	31000.0	25000.0	15500.0
load	R3-12-47-1_load_63	constant_power_A_real	50000.0	0.0	25000.0	0.0
load	R3-12-47-1_load_63	constant_power_B_real	50000.0	0.0	25000.0	0.0
load	R3-12-47-1_load_63	constant_power_C_real	50000.0	0.0	25000.0	0.0
load	R3-12-47-1_load_63	constant_power_A_reac	31000.0	0.0	15500.0	0.0
load	R3-12-47-1_load_63	constant_power_B_reac	31000.0	0.0	15500.0	0.0
load	R3-12-47-1_load_63	constant_power_C_reac	31000.0	0.0	15500.0	0.0
load	R3-12-47-1_load_64	constant_power_A	122700.0	76000.0	61350.0	38000.0
load	R3-12-47-1_load_64	constant_power_B	122700.0	76000.0	61350.0	38000.0
load	R3-12-47-1_load_64	constant_power_C	122700.0	76000.0	61350.0	38000.0
load	R3-12-47-1_load_64	constant_power_A_real	122700.0	0.0	61350.0	0.0
load	R3-12-47-1_load_64	constant_power_B_real	122700.0	0.0	61350.0	0.0
load	R3-12-47-1_load_64	constant_power_C_real	122700.0	0.0	61350.0	0.0
load	R3-12-47-1_load_64	constant_power_A_reac	76000.0	0.0	38000.0	0.0

Table 28: Validation data for loadfactor taxonomy R3-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-1_load_64	constant_power_B_reac	76000.0	0.0	38000.0	0.0
load	R3-12-47-1_load_64	constant_power_C_reac	76000.0	0.0	38000.0	0.0

Table 29: Validation data for loadfactor taxonomy R3-12470-2 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-2_load_1	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_1	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_1	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_2	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_2	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_2	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_3	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_3	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_3	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_4	constant_power_B	429.015	127.129	214.5075	63.5645
load	R3-12-47-2_load_4	constant_power_B_real	429.015	0.0	214.5075	0.0
load	R3-12-47-2_load_4	constant_power_B_reac	127.129	0.0	63.5645	0.0
load	R3-12-47-2_load_5	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_5	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_5	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_6	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_6	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_6	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_7	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_7	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_7	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_8	constant_power_B	4290.15	1271.29	2145.075	635.645
load	R3-12-47-2_load_8	constant_power_B_real	4290.15	0.0	2145.075	0.0
load	R3-12-47-2_load_8	constant_power_B_reac	1271.29	0.0	635.645	0.0
load	R3-12-47-2_load_9	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_9	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_9	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_9	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_9	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_9	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_9	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_9	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_9	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_10	constant_power_A	8208.3	2449.0	4104.15	1224.5
load	R3-12-47-2_load_10	constant_power_B	8580.3	2542.58	4290.15	1271.29
load	R3-12-47-2_load_10	constant_power_A_real	8208.3	0.0	4104.15	0.0
load	R3-12-47-2_load_10	constant_power_B_real	8580.3	0.0	4290.15	0.0
load	R3-12-47-2_load_10	constant_power_A_reac	2449.0	0.0	1224.5	0.0
load	R3-12-47-2_load_10	constant_power_B_reac	2542.58	0.0	1271.29	0.0
load	R3-12-47-2_load_11	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_11	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_11	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_12	constant_power_A	8208.3	2449.0	4104.15	1224.5
load	R3-12-47-2_load_12	constant_power_B	8580.3	2542.58	4290.15	1271.29
load	R3-12-47-2_load_12	constant_power_A_real	8208.3	0.0	4104.15	0.0
load	R3-12-47-2_load_12	constant_power_B_real	8580.3	0.0	4290.15	0.0
load	R3-12-47-2_load_12	constant_power_A_reac	2449.0	0.0	1224.5	0.0
load	R3-12-47-2_load_12	constant_power_B_reac	2542.58	0.0	1271.29	0.0
load	R3-12-47-2_load_13	constant_power_A	2052.08	612.251	1026.04	306.1255
load	R3-12-47-2_load_13	constant_power_A_real	2052.08	0.0	1026.04	0.0
load	R3-12-47-2_load_13	constant_power_A_reac	612.251	0.0	306.1255	0.0
load	R3-12-47-2_load_14	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_14	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_14	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_14	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_14	constant_power_B_real	6435.22	0.0	3217.61	0.0

Table 29: Validation data for loadfactor taxonomy R3-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-2_load_14	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_14	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_14	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_14	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_15	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_15	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_15	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_15	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_15	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_15	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_15	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_15	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_15	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_16	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_16	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_16	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_17	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_17	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_17	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_17	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_17	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_17	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_17	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_17	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_17	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_18	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_18	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_18	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_18	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_18	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_18	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_18	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_18	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_18	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_19	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_19	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_19	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_19	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_19	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_19	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_19	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_19	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_19	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_20	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_20	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_20	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_20	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_20	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_20	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_20	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_20	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_20	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_21	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_21	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_21	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_22	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_22	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_22	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_23	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_23	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_23	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_24	constant_power_A	6156.23	1836.75	3078.115	918.375

Table 29: Validation data for loadfactor taxonomy R3-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-2_load_24	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_24	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_24	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_24	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_24	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_24	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_24	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_24	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_25	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_25	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_25	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_25	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_25	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_25	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_25	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_25	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_25	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_26	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_26	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_26	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_27	constant_power_A	41041.5	12245.0	20520.75	6122.5
load	R3-12-47-2_load_27	constant_power_B	42901.5	12712.9	21450.75	6356.45
load	R3-12-47-2_load_27	constant_power_C	41728.2	12415.1	20864.1	6207.55
load	R3-12-47-2_load_27	constant_power_A_real	41041.5	0.0	20520.75	0.0
load	R3-12-47-2_load_27	constant_power_B_real	42901.5	0.0	21450.75	0.0
load	R3-12-47-2_load_27	constant_power_C_real	41728.2	0.0	20864.1	0.0
load	R3-12-47-2_load_27	constant_power_A_reac	12245.0	0.0	6122.5	0.0
load	R3-12-47-2_load_27	constant_power_B_reac	12712.9	0.0	6356.45	0.0
load	R3-12-47-2_load_27	constant_power_C_reac	12415.1	0.0	6207.55	0.0
load	R3-12-47-2_load_28	constant_power_A	136668.0	40775.9	68334.0	20387.95
load	R3-12-47-2_load_28	constant_power_B	142862.0	42334.0	71431.0	21167.0
load	R3-12-47-2_load_28	constant_power_C	138955.0	41342.3	69477.5	20671.15
load	R3-12-47-2_load_28	constant_power_A_real	136668.0	0.0	68334.0	0.0
load	R3-12-47-2_load_28	constant_power_B_real	142862.0	0.0	71431.0	0.0
load	R3-12-47-2_load_28	constant_power_C_real	138955.0	0.0	69477.5	0.0
load	R3-12-47-2_load_28	constant_power_A_reac	40775.9	0.0	20387.95	0.0
load	R3-12-47-2_load_28	constant_power_B_reac	42334.0	0.0	21167.0	0.0
load	R3-12-47-2_load_28	constant_power_C_reac	41342.3	0.0	20671.15	0.0
load	R3-12-47-2_load_29	constant_power_A	41041.5	12245.0	20520.75	6122.5
load	R3-12-47-2_load_29	constant_power_B	42901.5	12712.9	21450.75	6356.45
load	R3-12-47-2_load_29	constant_power_C	41728.2	12415.1	20864.1	6207.55
load	R3-12-47-2_load_29	constant_power_A_real	41041.5	0.0	20520.75	0.0
load	R3-12-47-2_load_29	constant_power_B_real	42901.5	0.0	21450.75	0.0
load	R3-12-47-2_load_29	constant_power_C_real	41728.2	0.0	20864.1	0.0
load	R3-12-47-2_load_29	constant_power_A_reac	12245.0	0.0	6122.5	0.0
load	R3-12-47-2_load_29	constant_power_B_reac	12712.9	0.0	6356.45	0.0
load	R3-12-47-2_load_29	constant_power_C_reac	12415.1	0.0	6207.55	0.0
load	R3-12-47-2_load_30	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_30	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_30	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_31	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_31	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_31	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_31	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_31	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_31	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_31	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_31	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_31	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_32	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_32	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_32	constant_power_C	10432.0	3103.78	5216.0	1551.89

Table 29: Validation data for loadfactor taxonomy R3-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-2_load_32	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_32	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_32	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_32	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_32	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_32	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_33	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_33	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_33	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_34	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_34	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_34	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_34	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_34	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_34	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_34	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_34	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_34	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_35	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_35	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_35	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_36	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_36	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_36	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_37	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_37	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_37	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_37	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_37	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_37	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_37	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_37	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_37	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_38	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_38	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_38	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_39	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_39	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_39	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_39	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_39	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_39	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_39	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_39	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_39	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_40	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_40	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_40	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_41	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_41	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_41	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_41	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_41	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_41	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_41	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_41	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_41	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_42	constant_power_B	4290.15	1271.29	2145.075	635.645
load	R3-12-47-2_load_42	constant_power_B_real	4290.15	0.0	2145.075	0.0
load	R3-12-47-2_load_42	constant_power_B_reac	1271.29	0.0	635.645	0.0
load	R3-12-47-2_load_43	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_43	constant_power_B	6435.22	1906.94	3217.61	953.47

Table 29: Validation data for loadfactor taxonomy R3-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-2_load_43	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_43	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_43	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_43	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_43	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_43	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_43	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_44	constant_power_B	4290.15	1271.29	2145.075	635.645
load	R3-12-47-2_load_44	constant_power_B_real	4290.15	0.0	2145.075	0.0
load	R3-12-47-2_load_44	constant_power_B_reac	1271.29	0.0	635.645	0.0
load	R3-12-47-2_load_45	constant_power_A	68402.5	20408.4	34201.25	10204.2
load	R3-12-47-2_load_45	constant_power_B	71502.5	21188.2	35751.25	10594.1
load	R3-12-47-2_load_45	constant_power_C	69547.0	20691.8	34773.5	10345.9
load	R3-12-47-2_load_45	constant_power_A_real	68402.5	0.0	34201.25	0.0
load	R3-12-47-2_load_45	constant_power_B_real	71502.5	0.0	35751.25	0.0
load	R3-12-47-2_load_45	constant_power_C_real	69547.0	0.0	34773.5	0.0
load	R3-12-47-2_load_45	constant_power_A_reac	20408.4	0.0	10204.2	0.0
load	R3-12-47-2_load_45	constant_power_B_reac	21188.2	0.0	10594.1	0.0
load	R3-12-47-2_load_45	constant_power_C_reac	20691.8	0.0	10345.9	0.0
load	R3-12-47-2_load_46	constant_power_A	6200.0	1800.0	3100.0	900.0
load	R3-12-47-2_load_46	constant_power_B	6400.0	1900.0	3200.0	950.0
load	R3-12-47-2_load_46	constant_power_C	6300.0	1900.0	3150.0	950.0
load	R3-12-47-2_load_46	constant_power_A_real	6200.0	0.0	3100.0	0.0
load	R3-12-47-2_load_46	constant_power_B_real	6400.0	0.0	3200.0	0.0
load	R3-12-47-2_load_46	constant_power_C_real	6300.0	0.0	3150.0	0.0
load	R3-12-47-2_load_46	constant_power_A_reac	1800.0	0.0	900.0	0.0
load	R3-12-47-2_load_46	constant_power_B_reac	1900.0	0.0	950.0	0.0
load	R3-12-47-2_load_46	constant_power_C_reac	1900.0	0.0	950.0	0.0
load	R3-12-47-2_load_47	constant_power_A	41041.5	12245.0	20520.75	6122.5
load	R3-12-47-2_load_47	constant_power_B	42901.5	12712.9	21450.75	6356.45
load	R3-12-47-2_load_47	constant_power_C	41728.2	12415.1	20864.1	6207.55
load	R3-12-47-2_load_47	constant_power_A_real	41041.5	0.0	20520.75	0.0
load	R3-12-47-2_load_47	constant_power_B_real	42901.5	0.0	21450.75	0.0
load	R3-12-47-2_load_47	constant_power_C_real	41728.2	0.0	20864.1	0.0
load	R3-12-47-2_load_47	constant_power_A_reac	12245.0	0.0	6122.5	0.0
load	R3-12-47-2_load_47	constant_power_B_reac	12712.9	0.0	6356.45	0.0
load	R3-12-47-2_load_47	constant_power_C_reac	12415.1	0.0	6207.55	0.0
load	R3-12-47-2_load_48	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_48	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_48	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_49	constant_power_C	4172.82	1241.51	2086.41	620.755
load	R3-12-47-2_load_49	constant_power_C_real	4172.82	0.0	2086.41	0.0
load	R3-12-47-2_load_49	constant_power_C_reac	1241.51	0.0	620.755	0.0
load	R3-12-47-2_load_50	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_50	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_50	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_50	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_50	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_50	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_50	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_50	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_50	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_51	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_51	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_51	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_51	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_51	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_51	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_51	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_51	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_51	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_52	constant_power_A	10260.4	3061.25	5130.2	1530.625

Table 29: Validation data for loadfactor taxonomy R3-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-2_load_52	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_52	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_52	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_52	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_52	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_52	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_52	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_52	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_53	constant_power_A	20520.8	6122.51	10260.4	3061.255
load	R3-12-47-2_load_53	constant_power_B	21450.7	6356.45	10725.35	3178.225
load	R3-12-47-2_load_53	constant_power_C	20864.1	6207.55	10432.05	3103.775
load	R3-12-47-2_load_53	constant_power_A_real	20520.8	0.0	10260.4	0.0
load	R3-12-47-2_load_53	constant_power_B_real	21450.7	0.0	10725.35	0.0
load	R3-12-47-2_load_53	constant_power_C_real	20864.1	0.0	10432.05	0.0
load	R3-12-47-2_load_53	constant_power_A_reac	6122.51	0.0	3061.255	0.0
load	R3-12-47-2_load_53	constant_power_B_reac	6356.45	0.0	3178.225	0.0
load	R3-12-47-2_load_53	constant_power_C_reac	6207.55	0.0	3103.775	0.0
load	R3-12-47-2_load_54	constant_power_A	6156.23	1836.75	3078.115	918.375
load	R3-12-47-2_load_54	constant_power_B	6435.22	1906.94	3217.61	953.47
load	R3-12-47-2_load_54	constant_power_C	6259.23	1862.27	3129.615	931.135
load	R3-12-47-2_load_54	constant_power_A_real	6156.23	0.0	3078.115	0.0
load	R3-12-47-2_load_54	constant_power_B_real	6435.22	0.0	3217.61	0.0
load	R3-12-47-2_load_54	constant_power_C_real	6259.23	0.0	3129.615	0.0
load	R3-12-47-2_load_54	constant_power_A_reac	1836.75	0.0	918.375	0.0
load	R3-12-47-2_load_54	constant_power_B_reac	1906.94	0.0	953.47	0.0
load	R3-12-47-2_load_54	constant_power_C_reac	1862.27	0.0	931.135	0.0
load	R3-12-47-2_load_55	constant_power_A	68402.5	20408.4	34201.25	10204.2
load	R3-12-47-2_load_55	constant_power_B	71502.5	21188.2	35751.25	10594.1
load	R3-12-47-2_load_55	constant_power_C	69547.0	20691.8	34773.5	10345.9
load	R3-12-47-2_load_55	constant_power_A_real	68402.5	0.0	34201.25	0.0
load	R3-12-47-2_load_55	constant_power_B_real	71502.5	0.0	35751.25	0.0
load	R3-12-47-2_load_55	constant_power_C_real	69547.0	0.0	34773.5	0.0
load	R3-12-47-2_load_55	constant_power_A_reac	20408.4	0.0	10204.2	0.0
load	R3-12-47-2_load_55	constant_power_B_reac	21188.2	0.0	10594.1	0.0
load	R3-12-47-2_load_55	constant_power_C_reac	20691.8	0.0	10345.9	0.0
load	R3-12-47-2_load_56	constant_power_A	68402.5	20408.4	34201.25	10204.2
load	R3-12-47-2_load_56	constant_power_B	71502.5	21188.2	35751.25	10594.1
load	R3-12-47-2_load_56	constant_power_C	69547.0	20691.8	34773.5	10345.9
load	R3-12-47-2_load_56	constant_power_A_real	68402.5	0.0	34201.25	0.0
load	R3-12-47-2_load_56	constant_power_B_real	71502.5	0.0	35751.25	0.0
load	R3-12-47-2_load_56	constant_power_C_real	69547.0	0.0	34773.5	0.0
load	R3-12-47-2_load_56	constant_power_A_reac	20408.4	0.0	10204.2	0.0
load	R3-12-47-2_load_56	constant_power_B_reac	21188.2	0.0	10594.1	0.0
load	R3-12-47-2_load_56	constant_power_C_reac	20691.8	0.0	10345.9	0.0
load	R3-12-47-2_load_57	constant_power_A	205208.0	61225.1	102604.0	30612.55
load	R3-12-47-2_load_57	constant_power_B	214507.0	63564.5	107253.5	31782.25
load	R3-12-47-2_load_57	constant_power_C	208641.0	62075.5	104320.5	31037.75
load	R3-12-47-2_load_57	constant_power_A_real	205208.0	0.0	102604.0	0.0
load	R3-12-47-2_load_57	constant_power_B_real	214507.0	0.0	107253.5	0.0
load	R3-12-47-2_load_57	constant_power_C_real	208641.0	0.0	104320.5	0.0
load	R3-12-47-2_load_57	constant_power_A_reac	61225.1	0.0	30612.55	0.0
load	R3-12-47-2_load_57	constant_power_B_reac	63564.5	0.0	31782.25	0.0
load	R3-12-47-2_load_57	constant_power_C_reac	62075.5	0.0	31037.75	0.0
load	R3-12-47-2_load_58	constant_power_A	205208.0	61225.1	102604.0	30612.55
load	R3-12-47-2_load_58	constant_power_B	214507.0	63564.5	107253.5	31782.25
load	R3-12-47-2_load_58	constant_power_C	208641.0	62075.5	104320.5	31037.75
load	R3-12-47-2_load_58	constant_power_A_real	205208.0	0.0	102604.0	0.0
load	R3-12-47-2_load_58	constant_power_B_real	214507.0	0.0	107253.5	0.0
load	R3-12-47-2_load_58	constant_power_C_real	208641.0	0.0	104320.5	0.0
load	R3-12-47-2_load_58	constant_power_A_reac	61225.1	0.0	30612.55	0.0
load	R3-12-47-2_load_58	constant_power_B_reac	63564.5	0.0	31782.25	0.0
load	R3-12-47-2_load_58	constant_power_C_reac	62075.5	0.0	31037.75	0.0

Table 29: Validation data for loadfactor taxonomy R3-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-2_load_59	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_59	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_59	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_59	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_59	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_59	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_59	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_59	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_59	constant_power_C_reac	3103.78	0.0	1551.89	0.0
load	R3-12-47-2_load_60	constant_power_A	102604.0	30612.5	51302.0	15306.25
load	R3-12-47-2_load_60	constant_power_B	107254.0	31782.3	53627.0	15891.15
load	R3-12-47-2_load_60	constant_power_C	104320.0	31037.8	52160.0	15518.9
load	R3-12-47-2_load_60	constant_power_A_real	102604.0	0.0	51302.0	0.0
load	R3-12-47-2_load_60	constant_power_B_real	107254.0	0.0	53627.0	0.0
load	R3-12-47-2_load_60	constant_power_C_real	104320.0	0.0	52160.0	0.0
load	R3-12-47-2_load_60	constant_power_A_reac	30612.5	0.0	15306.25	0.0
load	R3-12-47-2_load_60	constant_power_B_reac	31782.3	0.0	15891.15	0.0
load	R3-12-47-2_load_60	constant_power_C_reac	31037.8	0.0	15518.9	0.0
load	R3-12-47-2_load_61	constant_power_A	68402.5	20408.4	34201.25	10204.2
load	R3-12-47-2_load_61	constant_power_B	71502.5	21188.2	35751.25	10594.1
load	R3-12-47-2_load_61	constant_power_C	69547.0	20691.8	34773.5	10345.9
load	R3-12-47-2_load_61	constant_power_A_real	68402.5	0.0	34201.25	0.0
load	R3-12-47-2_load_61	constant_power_B_real	71502.5	0.0	35751.25	0.0
load	R3-12-47-2_load_61	constant_power_C_real	69547.0	0.0	34773.5	0.0
load	R3-12-47-2_load_61	constant_power_A_reac	20408.4	0.0	10204.2	0.0
load	R3-12-47-2_load_61	constant_power_B_reac	21188.2	0.0	10594.1	0.0
load	R3-12-47-2_load_61	constant_power_C_reac	20691.8	0.0	10345.9	0.0
load	R3-12-47-2_load_62	constant_power_A	10260.4	3061.25	5130.2	1530.625
load	R3-12-47-2_load_62	constant_power_B	10725.4	3178.23	5362.7	1589.115
load	R3-12-47-2_load_62	constant_power_C	10432.0	3103.78	5216.0	1551.89
load	R3-12-47-2_load_62	constant_power_A_real	10260.4	0.0	5130.2	0.0
load	R3-12-47-2_load_62	constant_power_B_real	10725.4	0.0	5362.7	0.0
load	R3-12-47-2_load_62	constant_power_C_real	10432.0	0.0	5216.0	0.0
load	R3-12-47-2_load_62	constant_power_A_reac	3061.25	0.0	1530.625	0.0
load	R3-12-47-2_load_62	constant_power_B_reac	3178.23	0.0	1589.115	0.0
load	R3-12-47-2_load_62	constant_power_C_reac	3103.78	0.0	1551.89	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3_load_1	constant_power_A	2102.38	707.604	1051.19	353.802
load	R3-12-47-3_load_1	constant_power_B	2102.38	707.604	1051.19	353.802
load	R3-12-47-3_load_1	constant_power_A_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3_load_1	constant_power_B_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3_load_1	constant_power_A_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3_load_1	constant_power_B_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3_load_2	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_2	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_2	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_2	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_2	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_2	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_3	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_3	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_3	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_3	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_3	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_3	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_4	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_4	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_4	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_4	constant_power_C_real	6956.75	0.0	3478.375	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3_load_4	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_4	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_5	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_5	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_5	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_5	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_5	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_5	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_5	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_5	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_5	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_6	constant_power_A	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_6	constant_power_C	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_6	constant_power_A_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_6	constant_power_C_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_6	constant_power_A_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_6	constant_power_C_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_7	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_7	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_7	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_7	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_7	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_7	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_8	constant_power_A	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_8	constant_power_B	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_8	constant_power_C	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_8	constant_power_A_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_8	constant_power_B_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_8	constant_power_C_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_8	constant_power_A_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_8	constant_power_B_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_8	constant_power_C_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_9	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_9	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_9	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_9	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_9	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_9	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_10	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_10	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_10	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_10	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_10	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_10	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_11	constant_power_A	2102.38	707.604	1051.19	353.802
load	R3-12-47-3_load_11	constant_power_C	2102.38	707.604	1051.19	353.802
load	R3-12-47-3_load_11	constant_power_A_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3_load_11	constant_power_C_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3_load_11	constant_power_A_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3_load_11	constant_power_C_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3_load_12	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_12	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_12	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_12	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_12	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_12	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_13	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_13	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_13	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_13	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_13	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_13	constant_power_C_reac	463.127	0.0	231.5635	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_14	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_14	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_14	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_14	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_14	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_14	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_15	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_15	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_15	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_15	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_15	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_15	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_16	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_16	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_16	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_16	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_16	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_16	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_17	constant_power_A	6964.11	2343.93	3482.055	1171.965
load	R3-12-47-3.load_17	constant_power_C	6964.11	2343.93	3482.055	1171.965
load	R3-12-47-3.load_17	constant_power_A_real	6964.11	0.0	3482.055	0.0
load	R3-12-47-3.load_17	constant_power_C_real	6964.11	0.0	3482.055	0.0
load	R3-12-47-3.load_17	constant_power_A_reac	2343.93	0.0	1171.965	0.0
load	R3-12-47-3.load_17	constant_power_C_reac	2343.93	0.0	1171.965	0.0
load	R3-12-47-3.load_18	constant_power_A	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_18	constant_power_C	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_18	constant_power_A_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_18	constant_power_C_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_18	constant_power_A_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_18	constant_power_C_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_19	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_19	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_19	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_19	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_19	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_19	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_20	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_20	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_20	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_20	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_20	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_20	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_21	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_21	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_21	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_21	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_21	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_21	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_22	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_22	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_22	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_22	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_22	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_22	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_23	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_23	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_23	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_23	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_23	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_23	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_24	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_24	constant_power_C	3478.38	1170.73	1739.19	585.365

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_24	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_24	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_24	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_24	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_25	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_25	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_25	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_25	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_25	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_25	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_26	constant_power_A	3482.05	1171.97	1741.025	585.985
load	R3-12-47-3.load_26	constant_power_C	3482.05	1171.97	1741.025	585.985
load	R3-12-47-3.load_26	constant_power_A_real	3482.05	0.0	1741.025	0.0
load	R3-12-47-3.load_26	constant_power_C_real	3482.05	0.0	1741.025	0.0
load	R3-12-47-3.load_26	constant_power_A_reac	1171.97	0.0	585.985	0.0
load	R3-12-47-3.load_26	constant_power_C_reac	1171.97	0.0	585.985	0.0
load	R3-12-47-3.load_27	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_27	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_27	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_27	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_27	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_27	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_28	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_28	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_28	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_28	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_28	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_28	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_29	constant_power_A	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_29	constant_power_C	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_29	constant_power_A_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_29	constant_power_C_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_29	constant_power_A_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_29	constant_power_C_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_30	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_30	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_30	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_30	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_30	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_30	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_31	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_31	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_31	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_31	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_31	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_31	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_32	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_32	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_32	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_32	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_32	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_32	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_33	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_33	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_33	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_33	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_33	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_33	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_34	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_34	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_34	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_34	constant_power_B_real	3478.38	0.0	1739.19	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_34	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_34	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_35	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_35	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_35	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_35	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_35	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_35	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_36	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_36	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_36	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_36	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_36	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_36	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_37	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_37	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_37	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_37	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_37	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_37	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_38	constant_power_A	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_38	constant_power_B	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_38	constant_power_C	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_38	constant_power_A_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_38	constant_power_B_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_38	constant_power_C_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_38	constant_power_A_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_38	constant_power_B_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_38	constant_power_C_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_39	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_39	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_39	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_39	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_39	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_39	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_40	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_40	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_40	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_40	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_40	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_40	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_41	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_41	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_41	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_41	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_41	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_41	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_42	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_42	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_42	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_42	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_42	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_42	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_43	constant_power_A	13922.5	4685.93	6961.25	2342.965
load	R3-12-47-3.load_43	constant_power_B	13922.5	4685.93	6961.25	2342.965
load	R3-12-47-3.load_43	constant_power_C	13922.5	4685.93	6961.25	2342.965
load	R3-12-47-3.load_43	constant_power_A_real	13922.5	0.0	6961.25	0.0
load	R3-12-47-3.load_43	constant_power_B_real	13922.5	0.0	6961.25	0.0
load	R3-12-47-3.load_43	constant_power_C_real	13922.5	0.0	6961.25	0.0
load	R3-12-47-3.load_43	constant_power_A_reac	4685.93	0.0	2342.965	0.0
load	R3-12-47-3.load_43	constant_power_B_reac	4685.93	0.0	2342.965	0.0
load	R3-12-47-3.load_43	constant_power_C_reac	4685.93	0.0	2342.965	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_44	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_44	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_44	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_44	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_44	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_44	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_45	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_45	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_45	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_45	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_45	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_45	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_46	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_46	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_46	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_46	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_46	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_46	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_47	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_47	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_47	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_47	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_47	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_47	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_48	constant_power_B	2102.38	707.604	1051.19	353.802
load	R3-12-47-3.load_48	constant_power_C	2102.38	707.604	1051.19	353.802
load	R3-12-47-3.load_48	constant_power_B_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3.load_48	constant_power_C_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3.load_48	constant_power_B_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3.load_48	constant_power_C_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3.load_49	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_49	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_49	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_49	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_49	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_49	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_50	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_50	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_50	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_50	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_50	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_50	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_51	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_51	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_51	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_51	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_51	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_51	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_52	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_52	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_52	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_52	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_52	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_52	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_53	constant_power_A	2790.38	939.165	1395.19	469.5825
load	R3-12-47-3.load_53	constant_power_B	2790.38	939.165	1395.19	469.5825
load	R3-12-47-3.load_53	constant_power_C	2790.38	939.165	1395.19	469.5825
load	R3-12-47-3.load_53	constant_power_A_real	2790.38	0.0	1395.19	0.0
load	R3-12-47-3.load_53	constant_power_B_real	2790.38	0.0	1395.19	0.0
load	R3-12-47-3.load_53	constant_power_C_real	2790.38	0.0	1395.19	0.0
load	R3-12-47-3.load_53	constant_power_A_reac	939.165	0.0	469.5825	0.0
load	R3-12-47-3.load_53	constant_power_B_reac	939.165	0.0	469.5825	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_53	constant_power_C_reac	939.165	0.0	469.5825	0.0
load	R3-12-47-3.load_54	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_54	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_54	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_54	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_54	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_54	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_55	constant_power_B	2102.38	707.604	1051.19	353.802
load	R3-12-47-3.load_55	constant_power_C	2102.38	707.604	1051.19	353.802
load	R3-12-47-3.load_55	constant_power_B_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3.load_55	constant_power_C_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3.load_55	constant_power_B_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3.load_55	constant_power_C_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3.load_56	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_56	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_56	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_57	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_57	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_57	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_58	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_58	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_58	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_59	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_59	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_59	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_59	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_59	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_59	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_60	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_60	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_60	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_60	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_60	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_60	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_61	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_61	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_61	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_61	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_61	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_61	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_62	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_62	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_62	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_62	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_62	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_62	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_63	constant_power_A	2790.38	939.165	1395.19	469.5825
load	R3-12-47-3.load_63	constant_power_B	2790.38	939.165	1395.19	469.5825
load	R3-12-47-3.load_63	constant_power_C	2790.38	939.165	1395.19	469.5825
load	R3-12-47-3.load_63	constant_power_A_real	2790.38	0.0	1395.19	0.0
load	R3-12-47-3.load_63	constant_power_B_real	2790.38	0.0	1395.19	0.0
load	R3-12-47-3.load_63	constant_power_C_real	2790.38	0.0	1395.19	0.0
load	R3-12-47-3.load_63	constant_power_A_reac	939.165	0.0	469.5825	0.0
load	R3-12-47-3.load_63	constant_power_B_reac	939.165	0.0	469.5825	0.0
load	R3-12-47-3.load_63	constant_power_C_reac	939.165	0.0	469.5825	0.0
load	R3-12-47-3.load_64	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_64	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_64	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_64	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_64	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_64	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_65	constant_power_A	3478.38	1170.73	1739.19	585.365

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_65	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_65	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_65	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_65	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_65	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_66	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_66	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_66	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_66	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_66	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_66	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_67	constant_power_A	2102.38	707.604	1051.19	353.802
load	R3-12-47-3.load_67	constant_power_B	2102.38	707.604	1051.19	353.802
load	R3-12-47-3.load_67	constant_power_A_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3.load_67	constant_power_B_real	2102.38	0.0	1051.19	0.0
load	R3-12-47-3.load_67	constant_power_A_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3.load_67	constant_power_B_reac	707.604	0.0	353.802	0.0
load	R3-12-47-3.load_68	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_68	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_68	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_68	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_68	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_68	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_69	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_69	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_69	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_69	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_69	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_69	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_70	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_70	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_70	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_70	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_70	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_70	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_70	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_70	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_70	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_71	constant_power_A	20902.9	7035.35	10451.45	3517.675
load	R3-12-47-3.load_71	constant_power_B	20902.9	7035.35	10451.45	3517.675
load	R3-12-47-3.load_71	constant_power_C	20902.9	7035.35	10451.45	3517.675
load	R3-12-47-3.load_71	constant_power_A_real	20902.9	0.0	10451.45	0.0
load	R3-12-47-3.load_71	constant_power_B_real	20902.9	0.0	10451.45	0.0
load	R3-12-47-3.load_71	constant_power_C_real	20902.9	0.0	10451.45	0.0
load	R3-12-47-3.load_71	constant_power_A_reac	7035.35	0.0	3517.675	0.0
load	R3-12-47-3.load_71	constant_power_B_reac	7035.35	0.0	3517.675	0.0
load	R3-12-47-3.load_71	constant_power_C_reac	7035.35	0.0	3517.675	0.0
load	R3-12-47-3.load_72	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_72	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_72	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_72	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_72	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_72	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_73	constant_power_A	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_73	constant_power_C	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_73	constant_power_A_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_73	constant_power_C_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_73	constant_power_A_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_73	constant_power_C_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_74	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_74	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_74	constant_power_A_real	3478.38	0.0	1739.19	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_74	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_74	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_74	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_75	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_75	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_75	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_76	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_76	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_76	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_76	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_76	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_76	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_77	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_77	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_77	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_77	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_77	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_77	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_78	constant_power_A	27859.6	9376.8	13929.8	4688.4
load	R3-12-47-3.load_78	constant_power_B	27859.6	9376.8	13929.8	4688.4
load	R3-12-47-3.load_78	constant_power_C	27859.6	9376.8	13929.8	4688.4
load	R3-12-47-3.load_78	constant_power_A_real	27859.6	0.0	13929.8	0.0
load	R3-12-47-3.load_78	constant_power_B_real	27859.6	0.0	13929.8	0.0
load	R3-12-47-3.load_78	constant_power_C_real	27859.6	0.0	13929.8	0.0
load	R3-12-47-3.load_78	constant_power_A_reac	9376.8	0.0	4688.4	0.0
load	R3-12-47-3.load_78	constant_power_B_reac	9376.8	0.0	4688.4	0.0
load	R3-12-47-3.load_78	constant_power_C_reac	9376.8	0.0	4688.4	0.0
load	R3-12-47-3.load_79	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_79	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_79	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_79	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_79	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_79	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_79	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_79	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_79	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_80	constant_power_A	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_80	constant_power_B	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_80	constant_power_C	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_80	constant_power_A_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_80	constant_power_B_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_80	constant_power_C_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_80	constant_power_A_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_80	constant_power_B_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_80	constant_power_C_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_81	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_81	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_81	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_81	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_81	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_81	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_82	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_82	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_82	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_82	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_82	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_82	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_83	constant_power_A	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_83	constant_power_B	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_83	constant_power_C	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3.load_83	constant_power_A_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_83	constant_power_B_real	4190.06	0.0	2095.03	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3.load_83	constant_power_C_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3.load_83	constant_power_A_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_83	constant_power_B_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_83	constant_power_C_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3.load_84	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_84	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_84	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_84	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_84	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_84	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_84	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_84	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_84	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_85	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_85	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_85	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_85	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_85	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_85	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_86	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_86	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_86	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3.load_86	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_86	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_86	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3.load_86	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_86	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_86	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3.load_87	constant_power_B	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_87	constant_power_C	10458.8	3520.15	5229.4	1760.075
load	R3-12-47-3.load_87	constant_power_B_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_87	constant_power_C_real	10458.8	0.0	5229.4	0.0
load	R3-12-47-3.load_87	constant_power_B_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_87	constant_power_C_reac	3520.15	0.0	1760.075	0.0
load	R3-12-47-3.load_88	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_88	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_88	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_88	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_88	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_88	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_89	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_89	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_89	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_89	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_89	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_89	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_90	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_90	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_90	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_90	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_90	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_90	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3.load_91	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_91	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3.load_91	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_91	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3.load_91	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_91	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3.load_92	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_92	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3.load_92	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3.load_92	constant_power_B_real	3478.38	0.0	1739.19	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3_load_92	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_92	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_93	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_93	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_93	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_93	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_93	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_93	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_94	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_94	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_94	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_94	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_94	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_94	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_95	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_95	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_95	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_95	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_95	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_95	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_96	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_96	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_96	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_96	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_96	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_96	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_97	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_97	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_97	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_97	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_97	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_97	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_98	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_98	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_98	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_98	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_98	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_98	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_99	constant_power_B	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_99	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_99	constant_power_B_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_99	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_99	constant_power_B_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_99	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_100	constant_power_B	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_100	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_100	constant_power_B_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_100	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_100	constant_power_B_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_100	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_101	constant_power_B	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_101	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_101	constant_power_B_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_101	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_101	constant_power_B_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_101	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_102	constant_power_A	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_102	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_102	constant_power_A_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_102	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_102	constant_power_A_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_102	constant_power_C_reac	463.127	0.0	231.5635	0.0

Table 30: Validation data for loadfactor taxonomy R3-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R3-12-47-3_load_103	constant_power_A	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_103	constant_power_B	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_103	constant_power_C	6956.75	2341.46	3478.375	1170.73
load	R3-12-47-3_load_103	constant_power_A_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_103	constant_power_B_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_103	constant_power_C_real	6956.75	0.0	3478.375	0.0
load	R3-12-47-3_load_103	constant_power_A_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_103	constant_power_B_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_103	constant_power_C_reac	2341.46	0.0	1170.73	0.0
load	R3-12-47-3_load_104	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_104	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_104	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_104	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_104	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_104	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_105	constant_power_B	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_105	constant_power_C	1376.01	463.127	688.005	231.5635
load	R3-12-47-3_load_105	constant_power_B_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_105	constant_power_C_real	1376.01	0.0	688.005	0.0
load	R3-12-47-3_load_105	constant_power_B_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_105	constant_power_C_reac	463.127	0.0	231.5635	0.0
load	R3-12-47-3_load_106	constant_power_A	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_106	constant_power_B	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_106	constant_power_C	4190.06	1410.26	2095.03	705.13
load	R3-12-47-3_load_106	constant_power_A_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_106	constant_power_B_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_106	constant_power_C_real	4190.06	0.0	2095.03	0.0
load	R3-12-47-3_load_106	constant_power_A_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_106	constant_power_B_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_106	constant_power_C_reac	1410.26	0.0	705.13	0.0
load	R3-12-47-3_load_107	constant_power_A	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_107	constant_power_C	3478.38	1170.73	1739.19	585.365
load	R3-12-47-3_load_107	constant_power_A_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_107	constant_power_C_real	3478.38	0.0	1739.19	0.0
load	R3-12-47-3_load_107	constant_power_A_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_107	constant_power_C_reac	1170.73	0.0	585.365	0.0
load	R3-12-47-3_load_108	constant_power_A	69300.0	43000.0	34650.0	21500.0
load	R3-12-47-3_load_108	constant_power_B	69300.0	43000.0	34650.0	21500.0
load	R3-12-47-3_load_108	constant_power_C	69300.0	43000.0	34650.0	21500.0
load	R3-12-47-3_load_108	constant_power_A_real	69300.0	0.0	34650.0	0.0
load	R3-12-47-3_load_108	constant_power_B_real	69300.0	0.0	34650.0	0.0
load	R3-12-47-3_load_108	constant_power_C_real	69300.0	0.0	34650.0	0.0
load	R3-12-47-3_load_108	constant_power_A_reac	43000.0	0.0	21500.0	0.0
load	R3-12-47-3_load_108	constant_power_B_reac	43000.0	0.0	21500.0	0.0
load	R3-12-47-3_load_108	constant_power_C_reac	43000.0	0.0	21500.0	0.0

Table 31: Validation data for loadfactor taxonomy R4-12470-1 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-1_load_1	constant_power_C	270.717	138.23	135.3585	69.115
load	R4-12-47-1_load_1	constant_power_C_real	270.717	0.0	135.3585	0.0
load	R4-12-47-1_load_1	constant_power_C_reac	138.23	0.0	69.115	0.0
load	R4-12-47-1_load_2	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_2	constant_power_C	11279.9	5759.58	5639.95	2879.79
load	R4-12-47-1_load_2	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_2	constant_power_C_real	11279.9	0.0	5639.95	0.0
load	R4-12-47-1_load_2	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_2	constant_power_C_reac	5759.58	0.0	2879.79	0.0
load	R4-12-47-1_load_3	constant_power_A	6664.9	3472.47	3332.45	1736.235
load	R4-12-47-1_load_3	constant_power_A_real	6664.9	0.0	3332.45	0.0
load	R4-12-47-1_load_3	constant_power_A_reac	3472.47	0.0	1736.235	0.0
load	R4-12-47-1_load_4	constant_power_A	22216.3	11574.9	11108.15	5787.45

Table 31: Validation data for loadfactor taxonomy R4-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-1_load_4	constant_power_C	4511.95	2303.83	2255.975	1151.915
load	R4-12-47-1_load_4	constant_power_A_real	22216.3	0.0	11108.15	0.0
load	R4-12-47-1_load_4	constant_power_C_real	4511.95	0.0	2255.975	0.0
load	R4-12-47-1_load_4	constant_power_A_reac	11574.9	0.0	5787.45	0.0
load	R4-12-47-1_load_4	constant_power_C_reac	2303.83	0.0	1151.915	0.0
load	R4-12-47-1_load_5	constant_power_A	74202.6	38660.2	37101.3	19330.1
load	R4-12-47-1_load_5	constant_power_B	61610.3	33216.6	30805.15	16608.3
load	R4-12-47-1_load_5	constant_power_C	75349.6	38474.0	37674.8	19237.0
load	R4-12-47-1_load_5	constant_power_A_real	74202.6	0.0	37101.3	0.0
load	R4-12-47-1_load_5	constant_power_B_real	61610.3	0.0	30805.15	0.0
load	R4-12-47-1_load_5	constant_power_C_real	75349.6	0.0	37674.8	0.0
load	R4-12-47-1_load_5	constant_power_A_reac	38660.2	0.0	19330.1	0.0
load	R4-12-47-1_load_5	constant_power_B_reac	33216.6	0.0	16608.3	0.0
load	R4-12-47-1_load_5	constant_power_C_reac	38474.0	0.0	19237.0	0.0
load	R4-12-47-1_load_6	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_6	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_6	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_6	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_6	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_6	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_7	constant_power_B	1228.52	662.344	614.26	331.172
load	R4-12-47-1_load_7	constant_power_B_real	1228.52	0.0	614.26	0.0
load	R4-12-47-1_load_7	constant_power_B_reac	662.344	0.0	331.172	0.0
load	R4-12-47-1_load_8	constant_power_A	22216.3	11574.9	11108.15	5787.45
load	R4-12-47-1_load_8	constant_power_B	18446.2	9945.1	9223.1	4972.55
load	R4-12-47-1_load_8	constant_power_C	22559.8	11519.2	11279.9	5759.6
load	R4-12-47-1_load_8	constant_power_A_real	22216.3	0.0	11108.15	0.0
load	R4-12-47-1_load_8	constant_power_B_real	18446.2	0.0	9223.1	0.0
load	R4-12-47-1_load_8	constant_power_C_real	22559.8	0.0	11279.9	0.0
load	R4-12-47-1_load_8	constant_power_A_reac	11574.9	0.0	5787.45	0.0
load	R4-12-47-1_load_8	constant_power_B_reac	9945.1	0.0	4972.55	0.0
load	R4-12-47-1_load_8	constant_power_C_reac	11519.2	0.0	5759.6	0.0
load	R4-12-47-1_load_9	constant_power_A	6331.66	3298.85	3165.83	1649.425
load	R4-12-47-1_load_9	constant_power_C	2571.81	1313.19	1285.905	656.595
load	R4-12-47-1_load_9	constant_power_A_real	6331.66	0.0	3165.83	0.0
load	R4-12-47-1_load_9	constant_power_C_real	2571.81	0.0	1285.905	0.0
load	R4-12-47-1_load_9	constant_power_A_reac	3298.85	0.0	1649.425	0.0
load	R4-12-47-1_load_9	constant_power_C_reac	1313.19	0.0	656.595	0.0
load	R4-12-47-1_load_10	constant_power_C	225.598	115.192	112.799	57.596
load	R4-12-47-1_load_10	constant_power_C_real	225.598	0.0	112.799	0.0
load	R4-12-47-1_load_10	constant_power_C_reac	115.192	0.0	57.596	0.0
load	R4-12-47-1_load_11	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_11	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_11	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_11	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_11	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_11	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_12	constant_power_A	22216.3	11574.9	11108.15	5787.45
load	R4-12-47-1_load_12	constant_power_C	22559.8	11519.2	11279.9	5759.6
load	R4-12-47-1_load_12	constant_power_A_real	22216.3	0.0	11108.15	0.0
load	R4-12-47-1_load_12	constant_power_C_real	22559.8	0.0	11279.9	0.0
load	R4-12-47-1_load_12	constant_power_A_reac	11574.9	0.0	5787.45	0.0
load	R4-12-47-1_load_12	constant_power_C_reac	11519.2	0.0	5759.6	0.0
load	R4-12-47-1_load_13	constant_power_C	11268.6	5753.82	5634.3	2876.91
load	R4-12-47-1_load_13	constant_power_C_real	11268.6	0.0	5634.3	0.0
load	R4-12-47-1_load_13	constant_power_C_reac	5753.82	0.0	2876.91	0.0
load	R4-12-47-1_load_14	constant_power_B	3071.29	1655.86	1535.645	827.93
load	R4-12-47-1_load_14	constant_power_B_real	3071.29	0.0	1535.645	0.0
load	R4-12-47-1_load_14	constant_power_B_reac	1655.86	0.0	827.93	0.0
load	R4-12-47-1_load_15	constant_power_B	3071.29	1655.86	1535.645	827.93
load	R4-12-47-1_load_15	constant_power_B_real	3071.29	0.0	1535.645	0.0
load	R4-12-47-1_load_15	constant_power_B_reac	1655.86	0.0	827.93	0.0

Table 31: Validation data for loadfactor taxonomy R4-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-1_load_16	constant_power_A	7398.04	3854.45	3699.02	1927.225
load	R4-12-47-1_load_16	constant_power_A_real	7398.04	0.0	3699.02	0.0
load	R4-12-47-1_load_16	constant_power_A_reac	3854.45	0.0	1927.225	0.0
load	R4-12-47-1_load_17	constant_power_A	3699.02	1927.22	1849.51	963.61
load	R4-12-47-1_load_17	constant_power_B	3071.29	1655.86	1535.645	827.93
load	R4-12-47-1_load_17	constant_power_A_real	3699.02	0.0	1849.51	0.0
load	R4-12-47-1_load_17	constant_power_B_real	3071.29	0.0	1535.645	0.0
load	R4-12-47-1_load_17	constant_power_A_reac	1927.22	0.0	963.61	0.0
load	R4-12-47-1_load_17	constant_power_B_reac	1655.86	0.0	827.93	0.0
load	R4-12-47-1_load_18	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_18	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_18	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_18	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_18	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_18	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_19	constant_power_A	14796.1	7708.89	7398.05	3854.445
load	R4-12-47-1_load_19	constant_power_B	12285.2	6623.44	6142.6	3311.72
load	R4-12-47-1_load_19	constant_power_C	15024.8	7671.77	7512.4	3835.885
load	R4-12-47-1_load_19	constant_power_A_real	14796.1	0.0	7398.05	0.0
load	R4-12-47-1_load_19	constant_power_B_real	12285.2	0.0	6142.6	0.0
load	R4-12-47-1_load_19	constant_power_C_real	15024.8	0.0	7512.4	0.0
load	R4-12-47-1_load_19	constant_power_A_reac	7708.89	0.0	3854.445	0.0
load	R4-12-47-1_load_19	constant_power_B_reac	6623.44	0.0	3311.72	0.0
load	R4-12-47-1_load_19	constant_power_C_reac	7671.77	0.0	3835.885	0.0
load	R4-12-47-1_load_20	constant_power_B	27669.3	14917.7	13834.65	7458.85
load	R4-12-47-1_load_20	constant_power_C	33839.6	17278.8	16919.8	8639.4
load	R4-12-47-1_load_20	constant_power_B_real	27669.3	0.0	13834.65	0.0
load	R4-12-47-1_load_20	constant_power_C_real	33839.6	0.0	16919.8	0.0
load	R4-12-47-1_load_20	constant_power_B_reac	14917.7	0.0	7458.85	0.0
load	R4-12-47-1_load_20	constant_power_C_reac	17278.8	0.0	8639.4	0.0
load	R4-12-47-1_load_21	constant_power_C	2233.42	1140.4	1116.71	570.2
load	R4-12-47-1_load_21	constant_power_C_real	2233.42	0.0	1116.71	0.0
load	R4-12-47-1_load_21	constant_power_C_reac	1140.4	0.0	570.2	0.0
load	R4-12-47-1_load_22	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_22	constant_power_C	11279.9	5759.58	5639.95	2879.79
load	R4-12-47-1_load_22	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_22	constant_power_C_real	11279.9	0.0	5639.95	0.0
load	R4-12-47-1_load_22	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_22	constant_power_C_reac	5759.58	0.0	2879.79	0.0
load	R4-12-47-1_load_23	constant_power_C	9587.9	4895.65	4793.95	2447.825
load	R4-12-47-1_load_23	constant_power_C_real	9587.9	0.0	4793.95	0.0
load	R4-12-47-1_load_23	constant_power_C_reac	4895.65	0.0	2447.825	0.0
load	R4-12-47-1_load_24	constant_power_C	751.24	383.588	375.62	191.794
load	R4-12-47-1_load_24	constant_power_C_real	751.24	0.0	375.62	0.0
load	R4-12-47-1_load_24	constant_power_C_reac	383.588	0.0	191.794	0.0
load	R4-12-47-1_load_25	constant_power_C	4511.95	2303.83	2255.975	1151.915
load	R4-12-47-1_load_25	constant_power_C_real	4511.95	0.0	2255.975	0.0
load	R4-12-47-1_load_25	constant_power_C_reac	2303.83	0.0	1151.915	0.0
load	R4-12-47-1_load_26	constant_power_B	18446.2	9945.1	9223.1	4972.55
load	R4-12-47-1_load_26	constant_power_C	11279.9	5759.58	5639.95	2879.79
load	R4-12-47-1_load_26	constant_power_B_real	18446.2	0.0	9223.1	0.0
load	R4-12-47-1_load_26	constant_power_C_real	11279.9	0.0	5639.95	0.0
load	R4-12-47-1_load_26	constant_power_B_reac	9945.1	0.0	4972.55	0.0
load	R4-12-47-1_load_26	constant_power_C_reac	5759.58	0.0	2879.79	0.0
load	R4-12-47-1_load_27	constant_power_B	3689.24	1989.02	1844.62	994.51
load	R4-12-47-1_load_27	constant_power_B_real	3689.24	0.0	1844.62	0.0
load	R4-12-47-1_load_27	constant_power_B_reac	1989.02	0.0	994.51	0.0
load	R4-12-47-1_load_28	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_28	constant_power_C	11279.9	5759.58	5639.95	2879.79
load	R4-12-47-1_load_28	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_28	constant_power_C_real	11279.9	0.0	5639.95	0.0
load	R4-12-47-1_load_28	constant_power_A_reac	5787.46	0.0	2893.73	0.0

Table 31: Validation data for loadfactor taxonomy R4-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-1_load_28	constant_power_C_reac	5759.58	0.0	2879.79	0.0
load	R4-12-47-1_load_29	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_29	constant_power_C	11279.9	5759.58	5639.95	2879.79
load	R4-12-47-1_load_29	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_29	constant_power_C_real	11279.9	0.0	5639.95	0.0
load	R4-12-47-1_load_29	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_29	constant_power_C_reac	5759.58	0.0	2879.79	0.0
load	R4-12-47-1_load_30	constant_power_A	3699.02	1927.22	1849.51	963.61
load	R4-12-47-1_load_30	constant_power_A_real	3699.02	0.0	1849.51	0.0
load	R4-12-47-1_load_30	constant_power_A_reac	1927.22	0.0	963.61	0.0
load	R4-12-47-1_load_31	constant_power_A	6220.58	3240.98	3110.29	1620.49
load	R4-12-47-1_load_31	constant_power_B	2065.97	1113.85	1032.985	556.925
load	R4-12-47-1_load_31	constant_power_A_real	6220.58	0.0	3110.29	0.0
load	R4-12-47-1_load_31	constant_power_B_real	2065.97	0.0	1032.985	0.0
load	R4-12-47-1_load_31	constant_power_A_reac	3240.98	0.0	1620.49	0.0
load	R4-12-47-1_load_31	constant_power_B_reac	1113.85	0.0	556.925	0.0
load	R4-12-47-1_load_32	constant_power_C	1353.59	691.15	676.795	345.575
load	R4-12-47-1_load_32	constant_power_C_real	1353.59	0.0	676.795	0.0
load	R4-12-47-1_load_32	constant_power_C_reac	691.15	0.0	345.575	0.0
load	R4-12-47-1_load_33	constant_power_C	2707.17	1382.3	1353.585	691.15
load	R4-12-47-1_load_33	constant_power_C_real	2707.17	0.0	1353.585	0.0
load	R4-12-47-1_load_33	constant_power_C_reac	1382.3	0.0	691.15	0.0
load	R4-12-47-1_load_34	constant_power_A	14440.6	7523.69	7220.3	3761.845
load	R4-12-47-1_load_34	constant_power_C	2932.77	1497.49	1466.385	748.745
load	R4-12-47-1_load_34	constant_power_A_real	14440.6	0.0	7220.3	0.0
load	R4-12-47-1_load_34	constant_power_C_real	2932.77	0.0	1466.385	0.0
load	R4-12-47-1_load_34	constant_power_A_reac	7523.69	0.0	3761.845	0.0
load	R4-12-47-1_load_34	constant_power_C_reac	1497.49	0.0	748.745	0.0
load	R4-12-47-1_load_35	constant_power_C	7219.12	3686.13	3609.56	1843.065
load	R4-12-47-1_load_35	constant_power_C_real	7219.12	0.0	3609.56	0.0
load	R4-12-47-1_load_35	constant_power_C_reac	3686.13	0.0	1843.065	0.0
load	R4-12-47-1_load_36	constant_power_C	7783.12	3974.11	3891.56	1987.055
load	R4-12-47-1_load_36	constant_power_C_real	7783.12	0.0	3891.56	0.0
load	R4-12-47-1_load_36	constant_power_C_reac	3974.11	0.0	1987.055	0.0
load	R4-12-47-1_load_37	constant_power_C	169.198	86.3938	84.599	43.1969
load	R4-12-47-1_load_37	constant_power_C_real	169.198	0.0	84.599	0.0
load	R4-12-47-1_load_37	constant_power_C_reac	86.3938	0.0	43.1969	0.0
load	R4-12-47-1_load_38	constant_power_C	4060.76	2073.45	2030.38	1036.725
load	R4-12-47-1_load_38	constant_power_C_real	4060.76	0.0	2030.38	0.0
load	R4-12-47-1_load_38	constant_power_C_reac	2073.45	0.0	1036.725	0.0
load	R4-12-47-1_load_39	constant_power_A	74202.6	38660.2	37101.3	19330.1
load	R4-12-47-1_load_39	constant_power_B	61610.3	33216.6	30805.15	16608.3
load	R4-12-47-1_load_39	constant_power_C	75349.6	38474.0	37674.8	19237.0
load	R4-12-47-1_load_39	constant_power_A_real	74202.6	0.0	37101.3	0.0
load	R4-12-47-1_load_39	constant_power_B_real	61610.3	0.0	30805.15	0.0
load	R4-12-47-1_load_39	constant_power_C_real	75349.6	0.0	37674.8	0.0
load	R4-12-47-1_load_39	constant_power_A_reac	38660.2	0.0	19330.1	0.0
load	R4-12-47-1_load_39	constant_power_B_reac	33216.6	0.0	16608.3	0.0
load	R4-12-47-1_load_39	constant_power_C_reac	38474.0	0.0	19237.0	0.0
load	R4-12-47-1_load_40	constant_power_B	2490.24	1342.59	1245.12	671.295
load	R4-12-47-1_load_40	constant_power_B_real	2490.24	0.0	1245.12	0.0
load	R4-12-47-1_load_40	constant_power_B_reac	1342.59	0.0	671.295	0.0
load	R4-12-47-1_load_41	constant_power_C	7895.92	4031.71	3947.96	2015.855
load	R4-12-47-1_load_41	constant_power_C_real	7895.92	0.0	3947.96	0.0
load	R4-12-47-1_load_41	constant_power_C_reac	4031.71	0.0	2015.855	0.0
load	R4-12-47-1_load_42	constant_power_A	10663.8	5555.96	5331.9	2777.98
load	R4-12-47-1_load_42	constant_power_A_real	10663.8	0.0	5331.9	0.0
load	R4-12-47-1_load_42	constant_power_A_reac	5555.96	0.0	2777.98	0.0
load	R4-12-47-1_load_43	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_43	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_43	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_44	constant_power_C	3756.2	1917.94	1878.1	958.97

Table 31: Validation data for loadfactor taxonomy R4-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-1_load_44	constant_power_C_real	3756.2	0.0	1878.1	0.0
load	R4-12-47-1_load_44	constant_power_C_reac	1917.94	0.0	958.97	0.0
load	R4-12-47-1_load_45	constant_power_B	3689.24	1989.02	1844.62	994.51
load	R4-12-47-1_load_45	constant_power_B_real	3689.24	0.0	1844.62	0.0
load	R4-12-47-1_load_45	constant_power_B_reac	1989.02	0.0	994.51	0.0
load	R4-12-47-1_load_46	constant_power_C	2368.78	1209.51	1184.39	604.755
load	R4-12-47-1_load_46	constant_power_C_real	2368.78	0.0	1184.39	0.0
load	R4-12-47-1_load_46	constant_power_C_reac	1209.51	0.0	604.755	0.0
load	R4-12-47-1_load_47	constant_power_A	22216.3	11574.9	11108.15	5787.45
load	R4-12-47-1_load_47	constant_power_B	18446.2	9945.1	9223.1	4972.55
load	R4-12-47-1_load_47	constant_power_C	22559.8	11519.2	11279.9	5759.6
load	R4-12-47-1_load_47	constant_power_A_real	22216.3	0.0	11108.15	0.0
load	R4-12-47-1_load_47	constant_power_B_real	18446.2	0.0	9223.1	0.0
load	R4-12-47-1_load_47	constant_power_C_real	22559.8	0.0	11279.9	0.0
load	R4-12-47-1_load_47	constant_power_A_reac	11574.9	0.0	5787.45	0.0
load	R4-12-47-1_load_47	constant_power_B_reac	9945.1	0.0	4972.55	0.0
load	R4-12-47-1_load_47	constant_power_C_reac	11519.2	0.0	5759.6	0.0
load	R4-12-47-1_load_48	constant_power_A	22216.3	11574.9	11108.15	5787.45
load	R4-12-47-1_load_48	constant_power_B	30805.2	16608.3	15402.6	8304.15
load	R4-12-47-1_load_48	constant_power_C	22559.8	11519.2	11279.9	5759.6
load	R4-12-47-1_load_48	constant_power_A_real	22216.3	0.0	11108.15	0.0
load	R4-12-47-1_load_48	constant_power_B_real	30805.2	0.0	15402.6	0.0
load	R4-12-47-1_load_48	constant_power_C_real	22559.8	0.0	11279.9	0.0
load	R4-12-47-1_load_48	constant_power_A_reac	11574.9	0.0	5787.45	0.0
load	R4-12-47-1_load_48	constant_power_B_reac	16608.3	0.0	8304.15	0.0
load	R4-12-47-1_load_48	constant_power_C_reac	11519.2	0.0	5759.6	0.0
load	R4-12-47-1_load_49	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_49	constant_power_B	3689.24	1989.02	1844.62	994.51
load	R4-12-47-1_load_49	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_49	constant_power_B_real	3689.24	0.0	1844.62	0.0
load	R4-12-47-1_load_49	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_49	constant_power_B_reac	1989.02	0.0	994.51	0.0
load	R4-12-47-1_load_50	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_50	constant_power_C	4511.95	2303.83	2255.975	1151.915
load	R4-12-47-1_load_50	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_50	constant_power_C_real	4511.95	0.0	2255.975	0.0
load	R4-12-47-1_load_50	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_50	constant_power_C_reac	2303.83	0.0	1151.915	0.0
load	R4-12-47-1_load_51	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_51	constant_power_C	4511.95	2303.83	2255.975	1151.915
load	R4-12-47-1_load_51	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_51	constant_power_C_real	4511.95	0.0	2255.975	0.0
load	R4-12-47-1_load_51	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_51	constant_power_C_reac	2303.83	0.0	1151.915	0.0
load	R4-12-47-1_load_52	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_52	constant_power_B	3689.24	1989.02	1844.62	994.51
load	R4-12-47-1_load_52	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_52	constant_power_B_real	3689.24	0.0	1844.62	0.0
load	R4-12-47-1_load_52	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_52	constant_power_B_reac	1989.02	0.0	994.51	0.0
load	R4-12-47-1_load_53	constant_power_C	180.478	92.1534	90.239	46.0767
load	R4-12-47-1_load_53	constant_power_C_real	180.478	0.0	90.239	0.0
load	R4-12-47-1_load_53	constant_power_C_reac	92.1534	0.0	46.0767	0.0
load	R4-12-47-1_load_54	constant_power_B	3071.29	1655.86	1535.645	827.93
load	R4-12-47-1_load_54	constant_power_C	3756.2	1917.94	1878.1	958.97
load	R4-12-47-1_load_54	constant_power_B_real	3071.29	0.0	1535.645	0.0
load	R4-12-47-1_load_54	constant_power_C_real	3756.2	0.0	1878.1	0.0
load	R4-12-47-1_load_54	constant_power_B_reac	1655.86	0.0	827.93	0.0
load	R4-12-47-1_load_54	constant_power_C_reac	1917.94	0.0	958.97	0.0
load	R4-12-47-1_load_55	constant_power_B	3873.7	2088.47	1936.85	1044.235
load	R4-12-47-1_load_55	constant_power_B_real	3873.7	0.0	1936.85	0.0
load	R4-12-47-1_load_55	constant_power_B_reac	2088.47	0.0	1044.235	0.0

Table 31: Validation data for loadfactor taxonomy R4-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-1_load_56	constant_power_C	1502.48	767.177	751.24	383.5885
load	R4-12-47-1_load_56	constant_power_C_real	1502.48	0.0	751.24	0.0
load	R4-12-47-1_load_56	constant_power_C_reac	767.177	0.0	383.5885	0.0
load	R4-12-47-1_load_57	constant_power_C	1502.48	767.177	751.24	383.5885
load	R4-12-47-1_load_57	constant_power_C_real	1502.48	0.0	751.24	0.0
load	R4-12-47-1_load_57	constant_power_C_reac	767.177	0.0	383.5885	0.0
load	R4-12-47-1_load_58	constant_power_C	11279.9	5759.58	5639.95	2879.79
load	R4-12-47-1_load_58	constant_power_C_real	11279.9	0.0	5639.95	0.0
load	R4-12-47-1_load_58	constant_power_C_reac	5759.58	0.0	2879.79	0.0
load	R4-12-47-1_load_59	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_59	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_59	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_60	constant_power_A	1479.61	770.889	739.805	385.4445
load	R4-12-47-1_load_60	constant_power_A_real	1479.61	0.0	739.805	0.0
load	R4-12-47-1_load_60	constant_power_A_reac	770.889	0.0	385.4445	0.0
load	R4-12-47-1_load_61	constant_power_C	6091.14	3110.18	3045.57	1555.09
load	R4-12-47-1_load_61	constant_power_C_real	6091.14	0.0	3045.57	0.0
load	R4-12-47-1_load_61	constant_power_C_reac	3110.18	0.0	1555.09	0.0
load	R4-12-47-1_load_62	constant_power_A	222.163	115.749	111.0815	57.8745
load	R4-12-47-1_load_62	constant_power_A_real	222.163	0.0	111.0815	0.0
load	R4-12-47-1_load_62	constant_power_A_reac	115.749	0.0	57.8745	0.0
load	R4-12-47-1_load_63	constant_power_C	1502.48	767.177	751.24	383.5885
load	R4-12-47-1_load_63	constant_power_C_real	1502.48	0.0	751.24	0.0
load	R4-12-47-1_load_63	constant_power_C_reac	767.177	0.0	383.5885	0.0
load	R4-12-47-1_load_64	constant_power_A	22216.3	11574.9	11108.15	5787.45
load	R4-12-47-1_load_64	constant_power_B	18446.2	9945.1	9223.1	4972.55
load	R4-12-47-1_load_64	constant_power_C	22559.8	11519.2	11279.9	5759.6
load	R4-12-47-1_load_64	constant_power_A_real	22216.3	0.0	11108.15	0.0
load	R4-12-47-1_load_64	constant_power_B_real	18446.2	0.0	9223.1	0.0
load	R4-12-47-1_load_64	constant_power_C_real	22559.8	0.0	11279.9	0.0
load	R4-12-47-1_load_64	constant_power_A_reac	11574.9	0.0	5787.45	0.0
load	R4-12-47-1_load_64	constant_power_B_reac	9945.1	0.0	4972.55	0.0
load	R4-12-47-1_load_64	constant_power_C_reac	11519.2	0.0	5759.6	0.0
load	R4-12-47-1_load_65	constant_power_C	1502.48	767.177	751.24	383.5885
load	R4-12-47-1_load_65	constant_power_C_real	1502.48	0.0	751.24	0.0
load	R4-12-47-1_load_65	constant_power_C_reac	767.177	0.0	383.5885	0.0
load	R4-12-47-1_load_66	constant_power_B	18446.2	9945.1	9223.1	4972.55
load	R4-12-47-1_load_66	constant_power_B_real	18446.2	0.0	9223.1	0.0
load	R4-12-47-1_load_66	constant_power_B_reac	9945.1	0.0	4972.55	0.0
load	R4-12-47-1_load_67	constant_power_B	6142.59	3311.72	3071.295	1655.86
load	R4-12-47-1_load_67	constant_power_B_real	6142.59	0.0	3071.295	0.0
load	R4-12-47-1_load_67	constant_power_B_reac	3311.72	0.0	1655.86	0.0
load	R4-12-47-1_load_68	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_68	constant_power_C	11279.9	5759.58	5639.95	2879.79
load	R4-12-47-1_load_68	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_68	constant_power_C_real	11279.9	0.0	5639.95	0.0
load	R4-12-47-1_load_68	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_68	constant_power_C_reac	5759.58	0.0	2879.79	0.0
load	R4-12-47-1_load_69	constant_power_B	3689.24	1989.02	1844.62	994.51
load	R4-12-47-1_load_69	constant_power_B_real	3689.24	0.0	1844.62	0.0
load	R4-12-47-1_load_69	constant_power_B_reac	1989.02	0.0	994.51	0.0
load	R4-12-47-1_load_70	constant_power_B	3689.24	1989.02	1844.62	994.51
load	R4-12-47-1_load_70	constant_power_B_real	3689.24	0.0	1844.62	0.0
load	R4-12-47-1_load_70	constant_power_B_reac	1989.02	0.0	994.51	0.0
load	R4-12-47-1_load_71	constant_power_A	11108.2	5787.46	5554.1	2893.73
load	R4-12-47-1_load_71	constant_power_B	9223.1	4972.55	4611.55	2486.275
load	R4-12-47-1_load_71	constant_power_A_real	11108.2	0.0	5554.1	0.0
load	R4-12-47-1_load_71	constant_power_B_real	9223.1	0.0	4611.55	0.0
load	R4-12-47-1_load_71	constant_power_A_reac	5787.46	0.0	2893.73	0.0
load	R4-12-47-1_load_71	constant_power_B_reac	4972.55	0.0	2486.275	0.0
load	R4-12-47-1_load_72	constant_power_C	112.799	57.5958	56.3995	28.7979
load	R4-12-47-1_load_72	constant_power_C_real	112.799	0.0	56.3995	0.0

Table 31: Validation data for loadfactor taxonomy R4-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-1_load_72	constant_power_C_reac	57.5958	0.0	28.7979	0.0
load	R4-12-47-1_load_73	constant_power_A	5109.76	2662.23	2554.88	1331.115
load	R4-12-47-1_load_73	constant_power_A_real	5109.76	0.0	2554.88	0.0
load	R4-12-47-1_load_73	constant_power_A_reac	2662.23	0.0	1331.115	0.0
load	R4-12-47-1_load_74	constant_power_A	22216.3	11574.9	11108.15	5787.45
load	R4-12-47-1_load_74	constant_power_B	18446.2	9945.1	9223.1	4972.55
load	R4-12-47-1_load_74	constant_power_C	22559.8	11519.2	11279.9	5759.6
load	R4-12-47-1_load_74	constant_power_A_real	22216.3	0.0	11108.15	0.0
load	R4-12-47-1_load_74	constant_power_B_real	18446.2	0.0	9223.1	0.0
load	R4-12-47-1_load_74	constant_power_C_real	22559.8	0.0	11279.9	0.0
load	R4-12-47-1_load_74	constant_power_A_reac	11574.9	0.0	5787.45	0.0
load	R4-12-47-1_load_74	constant_power_B_reac	9945.1	0.0	4972.55	0.0
load	R4-12-47-1_load_74	constant_power_C_reac	11519.2	0.0	5759.6	0.0
load	R4-12-47-1_load_75	constant_power_C	451.195	230.383	225.5975	115.1915
load	R4-12-47-1_load_75	constant_power_C_real	451.195	0.0	225.5975	0.0
load	R4-12-47-1_load_75	constant_power_C_reac	230.383	0.0	115.1915	0.0

Table 32: Validation data for loadfactor taxonomy R4-12470-2 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-2_load_1	constant_power_A	4000.0	2000.0	2000.0	1000.0
load	R4-12-47-2_load_1	constant_power_A_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_1	constant_power_A_reac	2000.0	0.0	1000.0	0.0
load	R4-12-47-2_load_2	constant_power_A	1500.0	304.65	750.0	152.325
load	R4-12-47-2_load_2	constant_power_B	1500.0	304.65	750.0	152.325
load	R4-12-47-2_load_2	constant_power_A_real	1500.0	0.0	750.0	0.0
load	R4-12-47-2_load_2	constant_power_B_real	1500.0	0.0	750.0	0.0
load	R4-12-47-2_load_2	constant_power_A_reac	304.65	0.0	152.325	0.0
load	R4-12-47-2_load_2	constant_power_B_reac	304.65	0.0	152.325	0.0
load	R4-12-47-2_load_3	constant_power_B	4000.0	2000.0	2000.0	1000.0
load	R4-12-47-2_load_3	constant_power_B_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_3	constant_power_B_reac	2000.0	0.0	1000.0	0.0
load	R4-12-47-2_load_4	constant_power_B	4000.0	2000.0	2000.0	1000.0
load	R4-12-47-2_load_4	constant_power_B_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_4	constant_power_B_reac	2000.0	0.0	1000.0	0.0
load	R4-12-47-2_load_5	constant_power_B	2000.0	406.2	1000.0	203.1
load	R4-12-47-2_load_5	constant_power_B_real	2000.0	0.0	1000.0	0.0
load	R4-12-47-2_load_5	constant_power_B_reac	406.2	0.0	203.1	0.0
load	R4-12-47-2_load_6	constant_power_B	4000.0	812.4	2000.0	406.2
load	R4-12-47-2_load_6	constant_power_B_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_6	constant_power_B_reac	812.4	0.0	406.2	0.0
load	R4-12-47-2_load_7	constant_power_B	4000.0	812.4	2000.0	406.2
load	R4-12-47-2_load_7	constant_power_B_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_7	constant_power_B_reac	812.4	0.0	406.2	0.0
load	R4-12-47-2_load_8	constant_power_A	11000.0	2234.1	5500.0	1117.05
load	R4-12-47-2_load_8	constant_power_A_real	11000.0	0.0	5500.0	0.0
load	R4-12-47-2_load_8	constant_power_A_reac	2234.1	0.0	1117.05	0.0
load	R4-12-47-2_load_9	constant_power_A	666.667	135.4	333.3335	67.7
load	R4-12-47-2_load_9	constant_power_B	666.667	135.4	333.3335	67.7
load	R4-12-47-2_load_9	constant_power_C	666.667	135.4	333.3335	67.7
load	R4-12-47-2_load_9	constant_power_A_real	666.667	0.0	333.3335	0.0
load	R4-12-47-2_load_9	constant_power_B_real	666.667	0.0	333.3335	0.0
load	R4-12-47-2_load_9	constant_power_C_real	666.667	0.0	333.3335	0.0
load	R4-12-47-2_load_9	constant_power_A_reac	135.4	0.0	67.7	0.0
load	R4-12-47-2_load_9	constant_power_B_reac	135.4	0.0	67.7	0.0
load	R4-12-47-2_load_9	constant_power_C_reac	135.4	0.0	67.7	0.0
load	R4-12-47-2_load_10	constant_power_A	1666.67	338.5	833.335	169.25
load	R4-12-47-2_load_10	constant_power_B	1666.67	338.5	833.335	169.25
load	R4-12-47-2_load_10	constant_power_C	1666.67	338.5	833.335	169.25
load	R4-12-47-2_load_10	constant_power_A_real	1666.67	0.0	833.335	0.0
load	R4-12-47-2_load_10	constant_power_B_real	1666.67	0.0	833.335	0.0
load	R4-12-47-2_load_10	constant_power_C_real	1666.67	0.0	833.335	0.0

Table 32: Validation data for loadfactor taxonomy R4-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-2_load_10	constant_power_A_reac	338.5	0.0	169.25	0.0
load	R4-12-47-2_load_10	constant_power_B_reac	338.5	0.0	169.25	0.0
load	R4-12-47-2_load_10	constant_power_C_reac	338.5	0.0	169.25	0.0
load	R4-12-47-2_load_11	constant_power_A	4000.0	812.4	2000.0	406.2
load	R4-12-47-2_load_11	constant_power_A_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_11	constant_power_A_reac	812.4	0.0	406.2	0.0
load	R4-12-47-2_load_12	constant_power_A	333.333	67.7	166.6665	33.85
load	R4-12-47-2_load_12	constant_power_B	333.333	67.7	166.6665	33.85
load	R4-12-47-2_load_12	constant_power_C	333.333	67.7	166.6665	33.85
load	R4-12-47-2_load_12	constant_power_A_real	333.333	0.0	166.6665	0.0
load	R4-12-47-2_load_12	constant_power_B_real	333.333	0.0	166.6665	0.0
load	R4-12-47-2_load_12	constant_power_C_real	333.333	0.0	166.6665	0.0
load	R4-12-47-2_load_12	constant_power_A_reac	67.7	0.0	33.85	0.0
load	R4-12-47-2_load_12	constant_power_B_reac	67.7	0.0	33.85	0.0
load	R4-12-47-2_load_12	constant_power_C_reac	67.7	0.0	33.85	0.0
load	R4-12-47-2_load_13	constant_power_A	3000.0	609.3	1500.0	304.65
load	R4-12-47-2_load_13	constant_power_A_real	3000.0	0.0	1500.0	0.0
load	R4-12-47-2_load_13	constant_power_A_reac	609.3	0.0	304.65	0.0
load	R4-12-47-2_load_14	constant_power_A	10000.0	2031.0	5000.0	1015.5
load	R4-12-47-2_load_14	constant_power_B	10000.0	2031.0	5000.0	1015.5
load	R4-12-47-2_load_14	constant_power_C	10000.0	2031.0	5000.0	1015.5
load	R4-12-47-2_load_14	constant_power_A_real	10000.0	0.0	5000.0	0.0
load	R4-12-47-2_load_14	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	R4-12-47-2_load_14	constant_power_C_real	10000.0	0.0	5000.0	0.0
load	R4-12-47-2_load_14	constant_power_A_reac	2031.0	0.0	1015.5	0.0
load	R4-12-47-2_load_14	constant_power_B_reac	2031.0	0.0	1015.5	0.0
load	R4-12-47-2_load_14	constant_power_C_reac	2031.0	0.0	1015.5	0.0
load	R4-12-47-2_load_15	constant_power_C	4000.0	2000.0	2000.0	1000.0
load	R4-12-47-2_load_15	constant_power_C_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_15	constant_power_C_reac	2000.0	0.0	1000.0	0.0
load	R4-12-47-2_load_16	constant_power_A	12333.3	2504.9	6166.65	1252.45
load	R4-12-47-2_load_16	constant_power_B	12333.3	2504.9	6166.65	1252.45
load	R4-12-47-2_load_16	constant_power_C	12333.3	2504.9	6166.65	1252.45
load	R4-12-47-2_load_16	constant_power_A_real	12333.3	0.0	6166.65	0.0
load	R4-12-47-2_load_16	constant_power_B_real	12333.3	0.0	6166.65	0.0
load	R4-12-47-2_load_16	constant_power_C_real	12333.3	0.0	6166.65	0.0
load	R4-12-47-2_load_16	constant_power_A_reac	2504.9	0.0	1252.45	0.0
load	R4-12-47-2_load_16	constant_power_B_reac	2504.9	0.0	1252.45	0.0
load	R4-12-47-2_load_16	constant_power_C_reac	2504.9	0.0	1252.45	0.0
load	R4-12-47-2_load_17	constant_power_A	500.0	101.55	250.0	50.775
load	R4-12-47-2_load_17	constant_power_C	500.0	101.55	250.0	50.775
load	R4-12-47-2_load_17	constant_power_A_real	500.0	0.0	250.0	0.0
load	R4-12-47-2_load_17	constant_power_C_real	500.0	0.0	250.0	0.0
load	R4-12-47-2_load_17	constant_power_A_reac	101.55	0.0	50.775	0.0
load	R4-12-47-2_load_17	constant_power_C_reac	101.55	0.0	50.775	0.0
load	R4-12-47-2_load_18	constant_power_A	4000.0	812.4	2000.0	406.2
load	R4-12-47-2_load_18	constant_power_B	4000.0	812.4	2000.0	406.2
load	R4-12-47-2_load_18	constant_power_C	4000.0	812.4	2000.0	406.2
load	R4-12-47-2_load_18	constant_power_A_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_18	constant_power_B_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_18	constant_power_C_real	4000.0	0.0	2000.0	0.0
load	R4-12-47-2_load_18	constant_power_A_reac	812.4	0.0	406.2	0.0
load	R4-12-47-2_load_18	constant_power_B_reac	812.4	0.0	406.2	0.0
load	R4-12-47-2_load_18	constant_power_C_reac	812.4	0.0	406.2	0.0
load	R4-12-47-2_load_19	constant_power_C	6000.0	1218.6	3000.0	609.3
load	R4-12-47-2_load_19	constant_power_C_real	6000.0	0.0	3000.0	0.0
load	R4-12-47-2_load_19	constant_power_C_reac	1218.6	0.0	609.3	0.0
load	R4-12-47-2_load_20	constant_power_A	7333.33	1489.4	3666.665	744.7
load	R4-12-47-2_load_20	constant_power_B	7333.33	1489.4	3666.665	744.7
load	R4-12-47-2_load_20	constant_power_C	7333.33	1489.4	3666.665	744.7
load	R4-12-47-2_load_20	constant_power_A_real	7333.33	0.0	3666.665	0.0
load	R4-12-47-2_load_20	constant_power_B_real	7333.33	0.0	3666.665	0.0

Table 32: Validation data for loadfactor taxonomy R4-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-12-47-2_load_20	constant_power_C_real	7333.33	0.0	3666.665	0.0
load	R4-12-47-2_load_20	constant_power_A_reac	1489.4	0.0	744.7	0.0
load	R4-12-47-2_load_20	constant_power_B_reac	1489.4	0.0	744.7	0.0
load	R4-12-47-2_load_20	constant_power_C_reac	1489.4	0.0	744.7	0.0
load	R4-12-47-2_load_21	constant_power_A	22000.0	4468.2	11000.0	2234.1
load	R4-12-47-2_load_21	constant_power_A_real	22000.0	0.0	11000.0	0.0
load	R4-12-47-2_load_21	constant_power_A_reac	4468.2	0.0	2234.1	0.0

Table 33: Validation data for loadfactor taxonomy R4-25000-3 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R4-25-00-1_load_1	constant_power_A	5000.0	1000.0	2500.0	500.0
load	R4-25-00-1_load_1	constant_power_C	5000.0	1000.0	2500.0	500.0
load	R4-25-00-1_load_1	constant_power_A_real	5000.0	0.0	2500.0	0.0
load	R4-25-00-1_load_1	constant_power_C_real	5000.0	0.0	2500.0	0.0
load	R4-25-00-1_load_1	constant_power_A_reac	1000.0	0.0	500.0	0.0
load	R4-25-00-1_load_1	constant_power_C_reac	1000.0	0.0	500.0	0.0

Table 34: Validation data for loadfactor taxonomy R5-12470-1 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-1_load_1	constant_power_A	559967.0	330033.0	279983.5	165016.5
load	R5-12-47-1_load_1	constant_power_B	559967.0	330033.0	279983.5	165016.5
load	R5-12-47-1_load_1	constant_power_C	559967.0	330033.0	279983.5	165016.5
load	R5-12-47-1_load_1	constant_power_A_real	559967.0	0.0	279983.5	0.0
load	R5-12-47-1_load_1	constant_power_B_real	559967.0	0.0	279983.5	0.0
load	R5-12-47-1_load_1	constant_power_C_real	559967.0	0.0	279983.5	0.0
load	R5-12-47-1_load_1	constant_power_A_reac	330033.0	0.0	165016.5	0.0
load	R5-12-47-1_load_1	constant_power_B_reac	330033.0	0.0	165016.5	0.0
load	R5-12-47-1_load_1	constant_power_C_reac	330033.0	0.0	165016.5	0.0
load	R5-12-47-1_load_2	constant_power_A	62400.0	26700.0	31200.0	13350.0
load	R5-12-47-1_load_2	constant_power_C	9600.0	17900.0	4800.0	8950.0
load	R5-12-47-1_load_2	constant_power_A_real	62400.0	0.0	31200.0	0.0
load	R5-12-47-1_load_2	constant_power_C_real	9600.0	0.0	4800.0	0.0
load	R5-12-47-1_load_2	constant_power_A_reac	26700.0	0.0	13350.0	0.0
load	R5-12-47-1_load_2	constant_power_C_reac	17900.0	0.0	8950.0	0.0
load	R5-12-47-1_load_3	constant_power_C	81.0	46.0	40.5	23.0
load	R5-12-47-1_load_3	constant_power_C_real	81.0	0.0	40.5	0.0
load	R5-12-47-1_load_3	constant_power_C_reac	46.0	0.0	23.0	0.0
load	R5-12-47-1_load_4	constant_power_A	13100.0	8100.0	6550.0	4050.0
load	R5-12-47-1_load_4	constant_power_B	13100.0	8100.0	6550.0	4050.0
load	R5-12-47-1_load_4	constant_power_C	13100.0	8100.0	6550.0	4050.0
load	R5-12-47-1_load_4	constant_power_A_real	13100.0	0.0	6550.0	0.0
load	R5-12-47-1_load_4	constant_power_B_real	13100.0	0.0	6550.0	0.0
load	R5-12-47-1_load_4	constant_power_C_real	13100.0	0.0	6550.0	0.0
load	R5-12-47-1_load_4	constant_power_A_reac	8100.0	0.0	4050.0	0.0
load	R5-12-47-1_load_4	constant_power_B_reac	8100.0	0.0	4050.0	0.0
load	R5-12-47-1_load_4	constant_power_C_reac	8100.0	0.0	4050.0	0.0
load	R5-12-47-1_load_5	constant_power_A	42000.0	26000.0	21000.0	13000.0
load	R5-12-47-1_load_5	constant_power_B	42000.0	26000.0	21000.0	13000.0
load	R5-12-47-1_load_5	constant_power_C	42000.0	26000.0	21000.0	13000.0
load	R5-12-47-1_load_5	constant_power_A_real	42000.0	0.0	21000.0	0.0
load	R5-12-47-1_load_5	constant_power_B_real	42000.0	0.0	21000.0	0.0
load	R5-12-47-1_load_5	constant_power_C_real	42000.0	0.0	21000.0	0.0
load	R5-12-47-1_load_5	constant_power_A_reac	26000.0	0.0	13000.0	0.0
load	R5-12-47-1_load_5	constant_power_B_reac	26000.0	0.0	13000.0	0.0
load	R5-12-47-1_load_5	constant_power_C_reac	26000.0	0.0	13000.0	0.0
load	R5-12-47-1_load_6	constant_power_A	26500.0	17500.0	13250.0	8750.0
load	R5-12-47-1_load_6	constant_power_B	25600.0	15900.0	12800.0	7950.0
load	R5-12-47-1_load_6	constant_power_C	27500.0	15900.0	13750.0	7950.0

Table 34: Validation data for loadfactor taxonomy R5-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-1_load_6	constant_power_A_real	26500.0	0.0	13250.0	0.0
load	R5-12-47-1_load_6	constant_power_B_real	25600.0	0.0	12800.0	0.0
load	R5-12-47-1_load_6	constant_power_C_real	27500.0	0.0	13750.0	0.0
load	R5-12-47-1_load_6	constant_power_A_reac	17500.0	0.0	8750.0	0.0
load	R5-12-47-1_load_6	constant_power_B_reac	15900.0	0.0	7950.0	0.0
load	R5-12-47-1_load_6	constant_power_C_reac	15900.0	0.0	7950.0	0.0
load	R5-12-47-1_load_7	constant_power_C	2254.0	1288.0	1127.0	644.0
load	R5-12-47-1_load_7	constant_power_C_real	2254.0	0.0	1127.0	0.0
load	R5-12-47-1_load_7	constant_power_C_reac	1288.0	0.0	644.0	0.0
load	R5-12-47-1_load_8	constant_power_A	56600.0	35100.0	28300.0	17550.0
load	R5-12-47-1_load_8	constant_power_B	56600.0	35100.0	28300.0	17550.0
load	R5-12-47-1_load_8	constant_power_C	56600.0	35100.0	28300.0	17550.0
load	R5-12-47-1_load_8	constant_power_A_real	56600.0	0.0	28300.0	0.0
load	R5-12-47-1_load_8	constant_power_B_real	56600.0	0.0	28300.0	0.0
load	R5-12-47-1_load_8	constant_power_C_real	56600.0	0.0	28300.0	0.0
load	R5-12-47-1_load_8	constant_power_A_reac	35100.0	0.0	17550.0	0.0
load	R5-12-47-1_load_8	constant_power_B_reac	35100.0	0.0	17550.0	0.0
load	R5-12-47-1_load_8	constant_power_C_reac	35100.0	0.0	17550.0	0.0
load	R5-12-47-1_load_9	constant_power_A	38100.0	23600.0	19050.0	11800.0
load	R5-12-47-1_load_9	constant_power_B	38100.0	23600.0	19050.0	11800.0
load	R5-12-47-1_load_9	constant_power_C	38100.0	23600.0	19050.0	11800.0
load	R5-12-47-1_load_9	constant_power_A_real	38100.0	0.0	19050.0	0.0
load	R5-12-47-1_load_9	constant_power_B_real	38100.0	0.0	19050.0	0.0
load	R5-12-47-1_load_9	constant_power_C_real	38100.0	0.0	19050.0	0.0
load	R5-12-47-1_load_9	constant_power_A_reac	23600.0	0.0	11800.0	0.0
load	R5-12-47-1_load_9	constant_power_B_reac	23600.0	0.0	11800.0	0.0
load	R5-12-47-1_load_9	constant_power_C_reac	23600.0	0.0	11800.0	0.0
load	R5-12-47-1_load_10	constant_power_A	8900.0	5500.0	4450.0	2750.0
load	R5-12-47-1_load_10	constant_power_A_real	8900.0	0.0	4450.0	0.0
load	R5-12-47-1_load_10	constant_power_A_reac	5500.0	0.0	2750.0	0.0
load	R5-12-47-1_load_11	constant_power_A	37800.0	34200.0	18900.0	17100.0
load	R5-12-47-1_load_11	constant_power_B	27500.0	16200.0	13750.0	8100.0
load	R5-12-47-1_load_11	constant_power_C	48300.0	16300.0	24150.0	8150.0
load	R5-12-47-1_load_11	constant_power_A_real	37800.0	0.0	18900.0	0.0
load	R5-12-47-1_load_11	constant_power_B_real	27500.0	0.0	13750.0	0.0
load	R5-12-47-1_load_11	constant_power_C_real	48300.0	0.0	24150.0	0.0
load	R5-12-47-1_load_11	constant_power_A_reac	34200.0	0.0	17100.0	0.0
load	R5-12-47-1_load_11	constant_power_B_reac	16200.0	0.0	8100.0	0.0
load	R5-12-47-1_load_11	constant_power_C_reac	16300.0	0.0	8150.0	0.0
load	R5-12-47-1_load_12	constant_power_A	30700.0	19000.0	15350.0	9500.0
load	R5-12-47-1_load_12	constant_power_B	30700.0	19000.0	15350.0	9500.0
load	R5-12-47-1_load_12	constant_power_C	30700.0	19000.0	15350.0	9500.0
load	R5-12-47-1_load_12	constant_power_A_real	30700.0	0.0	15350.0	0.0
load	R5-12-47-1_load_12	constant_power_B_real	30700.0	0.0	15350.0	0.0
load	R5-12-47-1_load_12	constant_power_C_real	30700.0	0.0	15350.0	0.0
load	R5-12-47-1_load_12	constant_power_A_reac	19000.0	0.0	9500.0	0.0
load	R5-12-47-1_load_12	constant_power_B_reac	19000.0	0.0	9500.0	0.0
load	R5-12-47-1_load_12	constant_power_C_reac	19000.0	0.0	9500.0	0.0
load	R5-12-47-1_load_13	constant_power_A	3300.0	6200.0	1650.0	3100.0
load	R5-12-47-1_load_13	constant_power_B	29600.0	14200.0	14800.0	7100.0
load	R5-12-47-1_load_13	constant_power_A_real	3300.0	0.0	1650.0	0.0
load	R5-12-47-1_load_13	constant_power_B_real	29600.0	0.0	14800.0	0.0
load	R5-12-47-1_load_13	constant_power_A_reac	6200.0	0.0	3100.0	0.0
load	R5-12-47-1_load_13	constant_power_B_reac	14200.0	0.0	7100.0	0.0
load	R5-12-47-1_load_14	constant_power_C	2500.0	1500.0	1250.0	750.0
load	R5-12-47-1_load_14	constant_power_C_real	2500.0	0.0	1250.0	0.0
load	R5-12-47-1_load_14	constant_power_C_reac	1500.0	0.0	750.0	0.0
load	R5-12-47-1_load_15	constant_power_A	17388.0	10458.0	8694.0	5229.0
load	R5-12-47-1_load_15	constant_power_A_real	17388.0	0.0	8694.0	0.0
load	R5-12-47-1_load_15	constant_power_A_reac	10458.0	0.0	5229.0	0.0
load	R5-12-47-1_load_16	constant_power_A	28700.0	8900.0	14350.0	4450.0
load	R5-12-47-1_load_16	constant_power_B	20000.0	10000.0	10000.0	5000.0

Table 34: Validation data for loadfactor taxonomy R5-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-1_load_16	constant_power_C	7100.0	13200.0	3550.0	6600.0
load	R5-12-47-1_load_16	constant_power_A_real	28700.0	0.0	14350.0	0.0
load	R5-12-47-1_load_16	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	R5-12-47-1_load_16	constant_power_C_real	7100.0	0.0	3550.0	0.0
load	R5-12-47-1_load_16	constant_power_A_reac	8900.0	0.0	4450.0	0.0
load	R5-12-47-1_load_16	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	R5-12-47-1_load_16	constant_power_C_reac	13200.0	0.0	6600.0	0.0
load	R5-12-47-1_load_17	constant_power_A	760.0	382.0	380.0	191.0
load	R5-12-47-1_load_17	constant_power_A_real	760.0	0.0	380.0	0.0
load	R5-12-47-1_load_17	constant_power_A_reac	382.0	0.0	191.0	0.0
load	R5-12-47-1_load_18	constant_power_A	821.0	398.0	410.5	199.0
load	R5-12-47-1_load_18	constant_power_C	100.0	50.0	50.0	25.0
load	R5-12-47-1_load_18	constant_power_A_real	821.0	0.0	410.5	0.0
load	R5-12-47-1_load_18	constant_power_C_real	100.0	0.0	50.0	0.0
load	R5-12-47-1_load_18	constant_power_A_reac	398.0	0.0	199.0	0.0
load	R5-12-47-1_load_18	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-1_load_19	constant_power_C	1252.0	610.0	626.0	305.0
load	R5-12-47-1_load_19	constant_power_C_real	1252.0	0.0	626.0	0.0
load	R5-12-47-1_load_19	constant_power_C_reac	610.0	0.0	305.0	0.0
load	R5-12-47-1_load_20	constant_power_A	638.0	313.0	319.0	156.5
load	R5-12-47-1_load_20	constant_power_A_real	638.0	0.0	319.0	0.0
load	R5-12-47-1_load_20	constant_power_A_reac	313.0	0.0	156.5	0.0
load	R5-12-47-1_load_21	constant_power_B	2400.0	1900.0	1200.0	950.0
load	R5-12-47-1_load_21	constant_power_C	700.0	0.0	350.0	0.0
load	R5-12-47-1_load_21	constant_power_B_real	2400.0	0.0	1200.0	0.0
load	R5-12-47-1_load_21	constant_power_C_real	700.0	0.0	350.0	0.0
load	R5-12-47-1_load_21	constant_power_B_reac	1900.0	0.0	950.0	0.0
load	R5-12-47-1_load_22	constant_power_A	17050.0	10350.0	8525.0	5175.0
load	R5-12-47-1_load_22	constant_power_B	3175.0	100.0	1587.5	50.0
load	R5-12-47-1_load_22	constant_power_A_real	17050.0	0.0	8525.0	0.0
load	R5-12-47-1_load_22	constant_power_B_real	3175.0	0.0	1587.5	0.0
load	R5-12-47-1_load_22	constant_power_A_reac	10350.0	0.0	5175.0	0.0
load	R5-12-47-1_load_22	constant_power_B_reac	100.0	0.0	50.0	0.0
load	R5-12-47-1_load_23	constant_power_C	2736.0	1359.0	1368.0	679.5
load	R5-12-47-1_load_23	constant_power_C_real	2736.0	0.0	1368.0	0.0
load	R5-12-47-1_load_23	constant_power_C_reac	1359.0	0.0	679.5	0.0
load	R5-12-47-1_load_24	constant_power_C	800.0	500.0	400.0	250.0
load	R5-12-47-1_load_24	constant_power_C_real	800.0	0.0	400.0	0.0
load	R5-12-47-1_load_24	constant_power_C_reac	500.0	0.0	250.0	0.0
load	R5-12-47-1_load_25	constant_power_B	7910.0	4200.0	3955.0	2100.0
load	R5-12-47-1_load_25	constant_power_B_real	7910.0	0.0	3955.0	0.0
load	R5-12-47-1_load_25	constant_power_B_reac	4200.0	0.0	2100.0	0.0
load	R5-12-47-1_load_26	constant_power_B	16733.0	8729.0	8366.5	4364.5
load	R5-12-47-1_load_26	constant_power_B_real	16733.0	0.0	8366.5	0.0
load	R5-12-47-1_load_26	constant_power_B_reac	8729.0	0.0	4364.5	0.0
load	R5-12-47-1_load_27	constant_power_A	1214.0	593.0	607.0	296.5
load	R5-12-47-1_load_27	constant_power_A_real	1214.0	0.0	607.0	0.0
load	R5-12-47-1_load_27	constant_power_A_reac	593.0	0.0	296.5	0.0
load	R5-12-47-1_load_28	constant_power_A	242.0	11.0	121.0	5.5
load	R5-12-47-1_load_28	constant_power_C	3146.0	1936.0	1573.0	968.0
load	R5-12-47-1_load_28	constant_power_A_real	242.0	0.0	121.0	0.0
load	R5-12-47-1_load_28	constant_power_C_real	3146.0	0.0	1573.0	0.0
load	R5-12-47-1_load_28	constant_power_A_reac	11.0	0.0	5.5	0.0
load	R5-12-47-1_load_28	constant_power_C_reac	1936.0	0.0	968.0	0.0
load	R5-12-47-1_load_29	constant_power_A	1052.0	604.0	526.0	302.0
load	R5-12-47-1_load_29	constant_power_B	14.0	0.0	7.0	0.0
load	R5-12-47-1_load_29	constant_power_A_real	1052.0	0.0	526.0	0.0
load	R5-12-47-1_load_29	constant_power_B_real	14.0	0.0	7.0	0.0
load	R5-12-47-1_load_29	constant_power_A_reac	604.0	0.0	302.0	0.0
load	R5-12-47-1_load_30	constant_power_A	322.0	14.0	161.0	7.0
load	R5-12-47-1_load_30	constant_power_C	3080.0	1792.0	1540.0	896.0
load	R5-12-47-1_load_30	constant_power_A_real	322.0	0.0	161.0	0.0

Table 34: Validation data for loadfactor taxonomy R5-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-1_load_30	constant_power_C_real	3080.0	0.0	1540.0	0.0
load	R5-12-47-1_load_30	constant_power_A_reac	14.0	0.0	7.0	0.0
load	R5-12-47-1_load_30	constant_power_C_reac	1792.0	0.0	896.0	0.0
load	R5-12-47-1_load_31	constant_power_C	444.0	238.0	222.0	119.0
load	R5-12-47-1_load_31	constant_power_C_real	444.0	0.0	222.0	0.0
load	R5-12-47-1_load_31	constant_power_C_reac	238.0	0.0	119.0	0.0
load	R5-12-47-1_load_32	constant_power_B	945.0	535.0	472.5	267.5
load	R5-12-47-1_load_32	constant_power_B_real	945.0	0.0	472.5	0.0
load	R5-12-47-1_load_32	constant_power_B_reac	535.0	0.0	267.5	0.0
load	R5-12-47-1_load_33	constant_power_C	52900.0	32800.0	26450.0	16400.0
load	R5-12-47-1_load_33	constant_power_C_real	52900.0	0.0	26450.0	0.0
load	R5-12-47-1_load_33	constant_power_C_reac	32800.0	0.0	16400.0	0.0
load	R5-12-47-1_load_34	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-1_load_34	constant_power_C	3330.0	1665.0	1665.0	832.5
load	R5-12-47-1_load_34	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-1_load_34	constant_power_C_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-1_load_34	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-1_load_34	constant_power_C_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-1_load_35	constant_power_A	90900.0	56300.0	45450.0	28150.0
load	R5-12-47-1_load_35	constant_power_B	90900.0	56300.0	45450.0	28150.0
load	R5-12-47-1_load_35	constant_power_C	90900.0	56300.0	45450.0	28150.0
load	R5-12-47-1_load_35	constant_power_A_real	90900.0	0.0	45450.0	0.0
load	R5-12-47-1_load_35	constant_power_B_real	90900.0	0.0	45450.0	0.0
load	R5-12-47-1_load_35	constant_power_C_real	90900.0	0.0	45450.0	0.0
load	R5-12-47-1_load_35	constant_power_A_reac	56300.0	0.0	28150.0	0.0
load	R5-12-47-1_load_35	constant_power_B_reac	56300.0	0.0	28150.0	0.0
load	R5-12-47-1_load_35	constant_power_C_reac	56300.0	0.0	28150.0	0.0
load	R5-12-47-1_load_36	constant_power_A	30900.0	19200.0	15450.0	9600.0
load	R5-12-47-1_load_36	constant_power_B	66500.0	20300.0	33250.0	10150.0
load	R5-12-47-1_load_36	constant_power_C	47700.0	50500.0	23850.0	25250.0
load	R5-12-47-1_load_36	constant_power_A_real	30900.0	0.0	15450.0	0.0
load	R5-12-47-1_load_36	constant_power_B_real	66500.0	0.0	33250.0	0.0
load	R5-12-47-1_load_36	constant_power_C_real	47700.0	0.0	23850.0	0.0
load	R5-12-47-1_load_36	constant_power_A_reac	19200.0	0.0	9600.0	0.0
load	R5-12-47-1_load_36	constant_power_B_reac	20300.0	0.0	10150.0	0.0
load	R5-12-47-1_load_36	constant_power_C_reac	50500.0	0.0	25250.0	0.0
load	R5-12-47-1_load_37	constant_power_A	56546.0	25970.0	28273.0	12985.0
load	R5-12-47-1_load_37	constant_power_C	7252.0	13622.0	3626.0	6811.0
load	R5-12-47-1_load_37	constant_power_A_real	56546.0	0.0	28273.0	0.0
load	R5-12-47-1_load_37	constant_power_C_real	7252.0	0.0	3626.0	0.0
load	R5-12-47-1_load_37	constant_power_A_reac	25970.0	0.0	12985.0	0.0
load	R5-12-47-1_load_37	constant_power_C_reac	13622.0	0.0	6811.0	0.0
load	R5-12-47-1_load_38	constant_power_A	119800.0	74300.0	59900.0	37150.0
load	R5-12-47-1_load_38	constant_power_B	119800.0	74300.0	59900.0	37150.0
load	R5-12-47-1_load_38	constant_power_C	119800.0	74300.0	59900.0	37150.0
load	R5-12-47-1_load_38	constant_power_A_real	119800.0	0.0	59900.0	0.0
load	R5-12-47-1_load_38	constant_power_B_real	119800.0	0.0	59900.0	0.0
load	R5-12-47-1_load_38	constant_power_C_real	119800.0	0.0	59900.0	0.0
load	R5-12-47-1_load_38	constant_power_A_reac	74300.0	0.0	37150.0	0.0
load	R5-12-47-1_load_38	constant_power_B_reac	74300.0	0.0	37150.0	0.0
load	R5-12-47-1_load_38	constant_power_C_reac	74300.0	0.0	37150.0	0.0
load	R5-12-47-1_load_39	constant_power_A	69600.0	80100.0	34800.0	40050.0
load	R5-12-47-1_load_39	constant_power_B	69600.0	80100.0	34800.0	40050.0
load	R5-12-47-1_load_39	constant_power_C	69600.0	80100.0	34800.0	40050.0
load	R5-12-47-1_load_39	constant_power_A_real	69600.0	0.0	34800.0	0.0
load	R5-12-47-1_load_39	constant_power_B_real	69600.0	0.0	34800.0	0.0
load	R5-12-47-1_load_39	constant_power_C_real	69600.0	0.0	34800.0	0.0
load	R5-12-47-1_load_39	constant_power_A_reac	80100.0	0.0	40050.0	0.0
load	R5-12-47-1_load_39	constant_power_B_reac	80100.0	0.0	40050.0	0.0
load	R5-12-47-1_load_39	constant_power_C_reac	80100.0	0.0	40050.0	0.0
load	R5-12-47-1_load_40	constant_power_A	123400.0	76500.0	61700.0	38250.0
load	R5-12-47-1_load_40	constant_power_B	123400.0	76500.0	61700.0	38250.0

Table 34: Validation data for loadfactor taxonomy R5-12470-1 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-1_load_40	constant_power_C	123400.0	76500.0	61700.0	38250.0
load	R5-12-47-1_load_40	constant_power_A_real	123400.0	0.0	61700.0	0.0
load	R5-12-47-1_load_40	constant_power_B_real	123400.0	0.0	61700.0	0.0
load	R5-12-47-1_load_40	constant_power_C_real	123400.0	0.0	61700.0	0.0
load	R5-12-47-1_load_40	constant_power_A_reac	76500.0	0.0	38250.0	0.0
load	R5-12-47-1_load_40	constant_power_B_reac	76500.0	0.0	38250.0	0.0
load	R5-12-47-1_load_40	constant_power_C_reac	76500.0	0.0	38250.0	0.0
load	R5-12-47-1_load_41	constant_power_A	35200.0	1100.0	17600.0	550.0
load	R5-12-47-1_load_41	constant_power_C	16700.0	31000.0	8350.0	15500.0
load	R5-12-47-1_load_41	constant_power_A_real	35200.0	0.0	17600.0	0.0
load	R5-12-47-1_load_41	constant_power_C_real	16700.0	0.0	8350.0	0.0
load	R5-12-47-1_load_41	constant_power_A_reac	1100.0	0.0	550.0	0.0
load	R5-12-47-1_load_41	constant_power_C_reac	31000.0	0.0	15500.0	0.0
load	R5-12-47-1_load_42	constant_power_A	4100.0	7700.0	2050.0	3850.0
load	R5-12-47-1_load_42	constant_power_B	78900.0	43700.0	39450.0	21850.0
load	R5-12-47-1_load_42	constant_power_A_real	4100.0	0.0	2050.0	0.0
load	R5-12-47-1_load_42	constant_power_B_real	78900.0	0.0	39450.0	0.0
load	R5-12-47-1_load_42	constant_power_A_reac	7700.0	0.0	3850.0	0.0
load	R5-12-47-1_load_42	constant_power_B_reac	43700.0	0.0	21850.0	0.0
load	R5-12-47-1_load_43	constant_power_A	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-1_load_43	constant_power_B	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-1_load_43	constant_power_C	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-1_load_43	constant_power_A_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-1_load_43	constant_power_B_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-1_load_43	constant_power_C_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-1_load_43	constant_power_A_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-1_load_43	constant_power_B_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-1_load_43	constant_power_C_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-1_load_44	constant_power_B	140.0	270.0	70.0	135.0
load	R5-12-47-1_load_44	constant_power_C	4630.0	2460.0	2315.0	1230.0
load	R5-12-47-1_load_44	constant_power_B_real	140.0	0.0	70.0	0.0
load	R5-12-47-1_load_44	constant_power_C_real	4630.0	0.0	2315.0	0.0
load	R5-12-47-1_load_44	constant_power_B_reac	270.0	0.0	135.0	0.0
load	R5-12-47-1_load_44	constant_power_C_reac	2460.0	0.0	1230.0	0.0
load	R5-12-47-1_load_45	constant_power_A	1034.0	579.0	517.0	289.5
load	R5-12-47-1_load_45	constant_power_B	4.0	0.0	2.0	0.0
load	R5-12-47-1_load_45	constant_power_A_real	1034.0	0.0	517.0	0.0
load	R5-12-47-1_load_45	constant_power_B_real	4.0	0.0	2.0	0.0
load	R5-12-47-1_load_45	constant_power_A_reac	579.0	0.0	289.5	0.0
load	R5-12-47-1_load_46	constant_power_A	80100.0	49700.0	40050.0	24850.0
load	R5-12-47-1_load_46	constant_power_B	80100.0	49700.0	40050.0	24850.0
load	R5-12-47-1_load_46	constant_power_C	80100.0	49700.0	40050.0	24850.0
load	R5-12-47-1_load_46	constant_power_A_real	80100.0	0.0	40050.0	0.0
load	R5-12-47-1_load_46	constant_power_B_real	80100.0	0.0	40050.0	0.0
load	R5-12-47-1_load_46	constant_power_C_real	80100.0	0.0	40050.0	0.0
load	R5-12-47-1_load_46	constant_power_A_reac	49700.0	0.0	24850.0	0.0
load	R5-12-47-1_load_46	constant_power_B_reac	49700.0	0.0	24850.0	0.0
load	R5-12-47-1_load_46	constant_power_C_reac	49700.0	0.0	24850.0	0.0
load	R5-12-47-1_load_47	constant_power_A	92600.0	39700.0	46300.0	19850.0
load	R5-12-47-1_load_47	constant_power_C	14300.0	26600.0	7150.0	13300.0
load	R5-12-47-1_load_47	constant_power_A_real	92600.0	0.0	46300.0	0.0
load	R5-12-47-1_load_47	constant_power_C_real	14300.0	0.0	7150.0	0.0
load	R5-12-47-1_load_47	constant_power_A_reac	39700.0	0.0	19850.0	0.0
load	R5-12-47-1_load_47	constant_power_C_reac	26600.0	0.0	13300.0	0.0
load	R5-12-47-1_load_48	constant_power_B	33411.0	19694.0	16705.5	9847.0
load	R5-12-47-1_load_48	constant_power_B_real	33411.0	0.0	16705.5	0.0
load	R5-12-47-1_load_48	constant_power_B_reac	19694.0	0.0	9847.0	0.0

Table 35: Validation data for loadfactor taxonomy R5-12470-2 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-2.load_1	constant_power_A	25651.9	13683.3	12825.95	6841.65
load	R5-12-47-2.load_1	constant_power_B	24631.9	13026.7	12315.95	6513.35
load	R5-12-47-2.load_1	constant_power_C	25222.4	13340.5	12611.2	6670.25
load	R5-12-47-2.load_1	constant_power_A_real	25651.9	0.0	12825.95	0.0
load	R5-12-47-2.load_1	constant_power_B_real	24631.9	0.0	12315.95	0.0
load	R5-12-47-2.load_1	constant_power_C_real	25222.4	0.0	12611.2	0.0
load	R5-12-47-2.load_1	constant_power_A_reac	13683.3	0.0	6841.65	0.0
load	R5-12-47-2.load_1	constant_power_B_reac	13026.7	0.0	6513.35	0.0
load	R5-12-47-2.load_1	constant_power_C_reac	13340.5	0.0	6670.25	0.0
load	R5-12-47-2.load_2	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2.load_2	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2.load_2	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2.load_2	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2.load_2	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2.load_2	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2.load_2	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2.load_2	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2.load_2	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2.load_3	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2.load_3	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2.load_3	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2.load_3	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2.load_3	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2.load_3	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2.load_3	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2.load_3	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2.load_3	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2.load_4	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2.load_4	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2.load_4	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2.load_4	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2.load_4	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2.load_4	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2.load_4	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2.load_4	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2.load_4	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2.load_5	constant_power_A	25651.9	13683.3	12825.95	6841.65
load	R5-12-47-2.load_5	constant_power_B	24631.9	13026.7	12315.95	6513.35
load	R5-12-47-2.load_5	constant_power_C	25222.4	13340.5	12611.2	6670.25
load	R5-12-47-2.load_5	constant_power_A_real	25651.9	0.0	12825.95	0.0
load	R5-12-47-2.load_5	constant_power_B_real	24631.9	0.0	12315.95	0.0
load	R5-12-47-2.load_5	constant_power_C_real	25222.4	0.0	12611.2	0.0
load	R5-12-47-2.load_5	constant_power_A_reac	13683.3	0.0	6841.65	0.0
load	R5-12-47-2.load_5	constant_power_B_reac	13026.7	0.0	6513.35	0.0
load	R5-12-47-2.load_5	constant_power_C_reac	13340.5	0.0	6670.25	0.0
load	R5-12-47-2.load_6	constant_power_A	42753.2	22805.5	21376.6	11402.75
load	R5-12-47-2.load_6	constant_power_B	41053.2	21711.2	20526.6	10855.6
load	R5-12-47-2.load_6	constant_power_C	42037.3	22234.1	21018.65	11117.05
load	R5-12-47-2.load_6	constant_power_A_real	42753.2	0.0	21376.6	0.0
load	R5-12-47-2.load_6	constant_power_B_real	41053.2	0.0	20526.6	0.0
load	R5-12-47-2.load_6	constant_power_C_real	42037.3	0.0	21018.65	0.0
load	R5-12-47-2.load_6	constant_power_A_reac	22805.5	0.0	11402.75	0.0
load	R5-12-47-2.load_6	constant_power_B_reac	21711.2	0.0	10855.6	0.0
load	R5-12-47-2.load_6	constant_power_C_reac	22234.1	0.0	11117.05	0.0
load	R5-12-47-2.load_7	constant_power_A	42753.2	22805.5	21376.6	11402.75
load	R5-12-47-2.load_7	constant_power_B	41053.2	21711.2	20526.6	10855.6
load	R5-12-47-2.load_7	constant_power_C	42037.3	22234.1	21018.65	11117.05
load	R5-12-47-2.load_7	constant_power_A_real	42753.2	0.0	21376.6	0.0
load	R5-12-47-2.load_7	constant_power_B_real	41053.2	0.0	20526.6	0.0
load	R5-12-47-2.load_7	constant_power_C_real	42037.3	0.0	21018.65	0.0
load	R5-12-47-2.load_7	constant_power_A_reac	22805.5	0.0	11402.75	0.0
load	R5-12-47-2.load_7	constant_power_B_reac	21711.2	0.0	10855.6	0.0

Table 35: Validation data for loadfactor taxonomy R5-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-2.load_7	constant_power_C_reac	22234.1	0.0	11117.05	0.0
load	R5-12-47-2.load_8	constant_power_A	128260.0	68416.5	64130.0	34208.25
load	R5-12-47-2.load_8	constant_power_B	123159.0	65133.7	61579.5	32566.85
load	R5-12-47-2.load_8	constant_power_C	126112.0	66702.3	63056.0	33351.15
load	R5-12-47-2.load_8	constant_power_A_real	128260.0	0.0	64130.0	0.0
load	R5-12-47-2.load_8	constant_power_B_real	123159.0	0.0	61579.5	0.0
load	R5-12-47-2.load_8	constant_power_C_real	126112.0	0.0	63056.0	0.0
load	R5-12-47-2.load_8	constant_power_A_reac	68416.5	0.0	34208.25	0.0
load	R5-12-47-2.load_8	constant_power_B_reac	65133.7	0.0	32566.85	0.0
load	R5-12-47-2.load_8	constant_power_C_reac	66702.3	0.0	33351.15	0.0
load	R5-12-47-2.load_9	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2.load_9	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2.load_9	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2.load_9	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2.load_9	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2.load_9	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2.load_9	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2.load_9	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2.load_9	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2.load_10	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2.load_10	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2.load_10	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2.load_10	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2.load_10	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2.load_10	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2.load_10	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2.load_10	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2.load_10	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2.load_11	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2.load_11	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2.load_11	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2.load_11	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2.load_11	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2.load_11	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2.load_11	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2.load_11	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2.load_11	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2.load_12	constant_power_A	85506.4	45611.0	42753.2	22805.5
load	R5-12-47-2.load_12	constant_power_B	82106.3	43422.5	41053.15	21711.25
load	R5-12-47-2.load_12	constant_power_C	84074.7	44468.2	42037.35	22234.1
load	R5-12-47-2.load_12	constant_power_A_real	85506.4	0.0	42753.2	0.0
load	R5-12-47-2.load_12	constant_power_B_real	82106.3	0.0	41053.15	0.0
load	R5-12-47-2.load_12	constant_power_C_real	84074.7	0.0	42037.35	0.0
load	R5-12-47-2.load_12	constant_power_A_reac	45611.0	0.0	22805.5	0.0
load	R5-12-47-2.load_12	constant_power_B_reac	43422.5	0.0	21711.25	0.0
load	R5-12-47-2.load_12	constant_power_C_reac	44468.2	0.0	22234.1	0.0
load	R5-12-47-2.load_13	constant_power_A	25651.9	13683.3	12825.95	6841.65
load	R5-12-47-2.load_13	constant_power_B	24631.9	13026.7	12315.95	6513.35
load	R5-12-47-2.load_13	constant_power_C	25222.4	13340.5	12611.2	6670.25
load	R5-12-47-2.load_13	constant_power_A_real	25651.9	0.0	12825.95	0.0
load	R5-12-47-2.load_13	constant_power_B_real	24631.9	0.0	12315.95	0.0
load	R5-12-47-2.load_13	constant_power_C_real	25222.4	0.0	12611.2	0.0
load	R5-12-47-2.load_13	constant_power_A_reac	13683.3	0.0	6841.65	0.0
load	R5-12-47-2.load_13	constant_power_B_reac	13026.7	0.0	6513.35	0.0
load	R5-12-47-2.load_13	constant_power_C_reac	13340.5	0.0	6670.25	0.0
load	R5-12-47-2.load_14	constant_power_A	6412.98	3420.83	3206.49	1710.415
load	R5-12-47-2.load_14	constant_power_A_real	6412.98	0.0	3206.49	0.0
load	R5-12-47-2.load_14	constant_power_A_reac	3420.83	0.0	1710.415	0.0
load	R5-12-47-2.load_15	constant_power_A	213766.0	114028.0	106883.0	57014.0
load	R5-12-47-2.load_15	constant_power_B	205266.0	108556.0	102633.0	54278.0
load	R5-12-47-2.load_15	constant_power_C	210187.0	111170.0	105093.5	55585.0
load	R5-12-47-2.load_15	constant_power_A_real	213766.0	0.0	106883.0	0.0

Table 35: Validation data for loadfactor taxonomy R5-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-2_load_15	constant_power_B_real	205266.0	0.0	102633.0	0.0
load	R5-12-47-2_load_15	constant_power_C_real	210187.0	0.0	105093.5	0.0
load	R5-12-47-2_load_15	constant_power_A_reac	114028.0	0.0	57014.0	0.0
load	R5-12-47-2_load_15	constant_power_B_reac	108556.0	0.0	54278.0	0.0
load	R5-12-47-2_load_15	constant_power_C_reac	111170.0	0.0	55585.0	0.0
load	R5-12-47-2_load_16	constant_power_A	213766.0	114028.0	106883.0	57014.0
load	R5-12-47-2_load_16	constant_power_B	205266.0	108556.0	102633.0	54278.0
load	R5-12-47-2_load_16	constant_power_C	210187.0	111170.0	105093.5	55585.0
load	R5-12-47-2_load_16	constant_power_A_real	213766.0	0.0	106883.0	0.0
load	R5-12-47-2_load_16	constant_power_B_real	205266.0	0.0	102633.0	0.0
load	R5-12-47-2_load_16	constant_power_C_real	210187.0	0.0	105093.5	0.0
load	R5-12-47-2_load_16	constant_power_A_reac	114028.0	0.0	57014.0	0.0
load	R5-12-47-2_load_16	constant_power_B_reac	108556.0	0.0	54278.0	0.0
load	R5-12-47-2_load_16	constant_power_C_reac	111170.0	0.0	55585.0	0.0
load	R5-12-47-2_load_17	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2_load_17	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2_load_17	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2_load_17	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2_load_17	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2_load_17	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2_load_17	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2_load_17	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2_load_17	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2_load_18	constant_power_A	6412.98	3420.83	3206.49	1710.415
load	R5-12-47-2_load_18	constant_power_B	6157.97	3256.69	3078.985	1628.345
load	R5-12-47-2_load_18	constant_power_C	6305.6	3335.11	3152.8	1667.555
load	R5-12-47-2_load_18	constant_power_A_real	6412.98	0.0	3206.49	0.0
load	R5-12-47-2_load_18	constant_power_B_real	6157.97	0.0	3078.985	0.0
load	R5-12-47-2_load_18	constant_power_C_real	6305.6	0.0	3152.8	0.0
load	R5-12-47-2_load_18	constant_power_A_reac	3420.83	0.0	1710.415	0.0
load	R5-12-47-2_load_18	constant_power_B_reac	3256.69	0.0	1628.345	0.0
load	R5-12-47-2_load_18	constant_power_C_reac	3335.11	0.0	1667.555	0.0
load	R5-12-47-2_load_19	constant_power_A	25651.9	13683.3	12825.95	6841.65
load	R5-12-47-2_load_19	constant_power_A_real	25651.9	0.0	12825.95	0.0
load	R5-12-47-2_load_19	constant_power_A_reac	13683.3	0.0	6841.65	0.0
load	R5-12-47-2_load_20	constant_power_A	6412.98	3420.83	3206.49	1710.415
load	R5-12-47-2_load_20	constant_power_A_real	6412.98	0.0	3206.49	0.0
load	R5-12-47-2_load_20	constant_power_A_reac	3420.83	0.0	1710.415	0.0
load	R5-12-47-2_load_21	constant_power_A	6412.98	3420.83	3206.49	1710.415
load	R5-12-47-2_load_21	constant_power_B	6157.97	3256.69	3078.985	1628.345
load	R5-12-47-2_load_21	constant_power_C	6305.6	3335.11	3152.8	1667.555
load	R5-12-47-2_load_21	constant_power_A_real	6412.98	0.0	3206.49	0.0
load	R5-12-47-2_load_21	constant_power_B_real	6157.97	0.0	3078.985	0.0
load	R5-12-47-2_load_21	constant_power_C_real	6305.6	0.0	3152.8	0.0
load	R5-12-47-2_load_21	constant_power_A_reac	3420.83	0.0	1710.415	0.0
load	R5-12-47-2_load_21	constant_power_B_reac	3256.69	0.0	1628.345	0.0
load	R5-12-47-2_load_21	constant_power_C_reac	3335.11	0.0	1667.555	0.0
load	R5-12-47-2_load_22	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2_load_22	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2_load_22	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2_load_23	constant_power_B	6157.97	3256.69	3078.985	1628.345
load	R5-12-47-2_load_23	constant_power_B_real	6157.97	0.0	3078.985	0.0
load	R5-12-47-2_load_23	constant_power_B_reac	3256.69	0.0	1628.345	0.0
load	R5-12-47-2_load_24	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2_load_24	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2_load_24	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2_load_25	constant_power_A	9619.47	5131.24	4809.735	2565.62
load	R5-12-47-2_load_25	constant_power_C	9458.4	5002.67	4729.2	2501.335
load	R5-12-47-2_load_25	constant_power_A_real	9619.47	0.0	4809.735	0.0
load	R5-12-47-2_load_25	constant_power_C_real	9458.4	0.0	4729.2	0.0
load	R5-12-47-2_load_25	constant_power_A_reac	5131.24	0.0	2565.62	0.0
load	R5-12-47-2_load_25	constant_power_C_reac	5002.67	0.0	2501.335	0.0

Table 35: Validation data for loadfactor taxonomy R5-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-2_load_26	constant_power_A	5985.44	3192.77	2992.72	1596.385
load	R5-12-47-2_load_26	constant_power_B	5747.44	3039.57	2873.72	1519.785
load	R5-12-47-2_load_26	constant_power_C	5885.23	3112.77	2942.615	1556.385
load	R5-12-47-2_load_26	constant_power_A_real	5985.44	0.0	2992.72	0.0
load	R5-12-47-2_load_26	constant_power_B_real	5747.44	0.0	2873.72	0.0
load	R5-12-47-2_load_26	constant_power_C_real	5885.23	0.0	2942.615	0.0
load	R5-12-47-2_load_26	constant_power_A_reac	3192.77	0.0	1596.385	0.0
load	R5-12-47-2_load_26	constant_power_B_reac	3039.57	0.0	1519.785	0.0
load	R5-12-47-2_load_26	constant_power_C_reac	3112.77	0.0	1556.385	0.0
load	R5-12-47-2_load_27	constant_power_A	9619.47	5131.24	4809.735	2565.62
load	R5-12-47-2_load_27	constant_power_C	9458.4	5002.67	4729.2	2501.335
load	R5-12-47-2_load_27	constant_power_A_real	9619.47	0.0	4809.735	0.0
load	R5-12-47-2_load_27	constant_power_C_real	9458.4	0.0	4729.2	0.0
load	R5-12-47-2_load_27	constant_power_A_reac	5131.24	0.0	2565.62	0.0
load	R5-12-47-2_load_27	constant_power_C_reac	5002.67	0.0	2501.335	0.0
load	R5-12-47-2_load_28	constant_power_A	19238.9	10262.5	9619.45	5131.25
load	R5-12-47-2_load_28	constant_power_B	18473.9	9770.06	9236.95	4885.03
load	R5-12-47-2_load_28	constant_power_A_real	19238.9	0.0	9619.45	0.0
load	R5-12-47-2_load_28	constant_power_B_real	18473.9	0.0	9236.95	0.0
load	R5-12-47-2_load_28	constant_power_A_reac	10262.5	0.0	5131.25	0.0
load	R5-12-47-2_load_28	constant_power_B_reac	9770.06	0.0	4885.03	0.0
load	R5-12-47-2_load_29	constant_power_A	6412.98	3420.83	3206.49	1710.415
load	R5-12-47-2_load_29	constant_power_B	6157.97	3256.69	3078.985	1628.345
load	R5-12-47-2_load_29	constant_power_C	6305.6	3335.11	3152.8	1667.555
load	R5-12-47-2_load_29	constant_power_A_real	6412.98	0.0	3206.49	0.0
load	R5-12-47-2_load_29	constant_power_B_real	6157.97	0.0	3078.985	0.0
load	R5-12-47-2_load_29	constant_power_C_real	6305.6	0.0	3152.8	0.0
load	R5-12-47-2_load_29	constant_power_A_reac	3420.83	0.0	1710.415	0.0
load	R5-12-47-2_load_29	constant_power_B_reac	3256.69	0.0	1628.345	0.0
load	R5-12-47-2_load_29	constant_power_C_reac	3335.11	0.0	1667.555	0.0
load	R5-12-47-2_load_30	constant_power_A	25651.9	13683.3	12825.95	6841.65
load	R5-12-47-2_load_30	constant_power_B	24631.9	13026.7	12315.95	6513.35
load	R5-12-47-2_load_30	constant_power_C	25222.4	13340.5	12611.2	6670.25
load	R5-12-47-2_load_30	constant_power_A_real	25651.9	0.0	12825.95	0.0
load	R5-12-47-2_load_30	constant_power_B_real	24631.9	0.0	12315.95	0.0
load	R5-12-47-2_load_30	constant_power_C_real	25222.4	0.0	12611.2	0.0
load	R5-12-47-2_load_30	constant_power_A_reac	13683.3	0.0	6841.65	0.0
load	R5-12-47-2_load_30	constant_power_B_reac	13026.7	0.0	6513.35	0.0
load	R5-12-47-2_load_30	constant_power_C_reac	13340.5	0.0	6670.25	0.0
load	R5-12-47-2_load_31	constant_power_C	6305.6	3335.11	3152.8	1667.555
load	R5-12-47-2_load_31	constant_power_C_real	6305.6	0.0	3152.8	0.0
load	R5-12-47-2_load_31	constant_power_C_reac	3335.11	0.0	1667.555	0.0
load	R5-12-47-2_load_32	constant_power_A	2565.19	1368.33	1282.595	684.165
load	R5-12-47-2_load_32	constant_power_B	2463.19	1302.67	1231.595	651.335
load	R5-12-47-2_load_32	constant_power_A_real	2565.19	0.0	1282.595	0.0
load	R5-12-47-2_load_32	constant_power_B_real	2463.19	0.0	1231.595	0.0
load	R5-12-47-2_load_32	constant_power_A_reac	1368.33	0.0	684.165	0.0
load	R5-12-47-2_load_32	constant_power_B_reac	1302.67	0.0	651.335	0.0
load	R5-12-47-2_load_33	constant_power_C	3783.36	2001.07	1891.68	1000.535
load	R5-12-47-2_load_33	constant_power_C_real	3783.36	0.0	1891.68	0.0
load	R5-12-47-2_load_33	constant_power_C_reac	2001.07	0.0	1000.535	0.0
load	R5-12-47-2_load_34	constant_power_A	6412.98	3420.83	3206.49	1710.415
load	R5-12-47-2_load_34	constant_power_B	6157.97	3256.69	3078.985	1628.345
load	R5-12-47-2_load_34	constant_power_C	6305.6	3335.11	3152.8	1667.555
load	R5-12-47-2_load_34	constant_power_A_real	6412.98	0.0	3206.49	0.0
load	R5-12-47-2_load_34	constant_power_B_real	6157.97	0.0	3078.985	0.0
load	R5-12-47-2_load_34	constant_power_C_real	6305.6	0.0	3152.8	0.0
load	R5-12-47-2_load_34	constant_power_A_reac	3420.83	0.0	1710.415	0.0
load	R5-12-47-2_load_34	constant_power_B_reac	3256.69	0.0	1628.345	0.0
load	R5-12-47-2_load_34	constant_power_C_reac	3335.11	0.0	1667.555	0.0
load	R5-12-47-2_load_35	constant_power_C	6305.6	3335.11	3152.8	1667.555
load	R5-12-47-2_load_35	constant_power_C_real	6305.6	0.0	3152.8	0.0

Table 35: Validation data for loadfactor taxonomy R5-12470-2 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-2_load_35	constant_power_C_reac	3335.11	0.0	1667.555	0.0
load	R5-12-47-2_load_36	constant_power_A	6412.98	3420.83	3206.49	1710.415
load	R5-12-47-2_load_36	constant_power_A_real	6412.98	0.0	3206.49	0.0
load	R5-12-47-2_load_36	constant_power_A_reac	3420.83	0.0	1710.415	0.0
load	R5-12-47-2_load_37	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2_load_37	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2_load_37	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2_load_38	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2_load_38	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2_load_38	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2_load_38	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2_load_38	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2_load_38	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2_load_38	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2_load_38	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2_load_38	constant_power_C_reac	6670.23	0.0	3335.115	0.0
load	R5-12-47-2_load_39	constant_power_B	9236.96	4885.03	4618.48	2442.515
load	R5-12-47-2_load_39	constant_power_C	9458.4	5002.67	4729.2	2501.335
load	R5-12-47-2_load_39	constant_power_B_real	9236.96	0.0	4618.48	0.0
load	R5-12-47-2_load_39	constant_power_C_real	9458.4	0.0	4729.2	0.0
load	R5-12-47-2_load_39	constant_power_B_reac	4885.03	0.0	2442.515	0.0
load	R5-12-47-2_load_39	constant_power_C_reac	5002.67	0.0	2501.335	0.0
load	R5-12-47-2_load_40	constant_power_A	8550.64	4561.1	4275.32	2280.55
load	R5-12-47-2_load_40	constant_power_B	8210.63	4342.25	4105.315	2171.125
load	R5-12-47-2_load_40	constant_power_C	8407.47	4446.82	4203.735	2223.41
load	R5-12-47-2_load_40	constant_power_A_real	8550.64	0.0	4275.32	0.0
load	R5-12-47-2_load_40	constant_power_B_real	8210.63	0.0	4105.315	0.0
load	R5-12-47-2_load_40	constant_power_C_real	8407.47	0.0	4203.735	0.0
load	R5-12-47-2_load_40	constant_power_A_reac	4561.1	0.0	2280.55	0.0
load	R5-12-47-2_load_40	constant_power_B_reac	4342.25	0.0	2171.125	0.0
load	R5-12-47-2_load_40	constant_power_C_reac	4446.82	0.0	2223.41	0.0
load	R5-12-47-2_load_41	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2_load_41	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2_load_41	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2_load_42	constant_power_B	6157.97	3256.69	3078.985	1628.345
load	R5-12-47-2_load_42	constant_power_B_real	6157.97	0.0	3078.985	0.0
load	R5-12-47-2_load_42	constant_power_B_reac	3256.69	0.0	1628.345	0.0
load	R5-12-47-2_load_43	constant_power_A	5130.38	2736.66	2565.19	1368.33
load	R5-12-47-2_load_43	constant_power_C	5044.48	2668.09	2522.24	1334.045
load	R5-12-47-2_load_43	constant_power_A_real	5130.38	0.0	2565.19	0.0
load	R5-12-47-2_load_43	constant_power_C_real	5044.48	0.0	2522.24	0.0
load	R5-12-47-2_load_43	constant_power_A_reac	2736.66	0.0	1368.33	0.0
load	R5-12-47-2_load_43	constant_power_C_reac	2668.09	0.0	1334.045	0.0
load	R5-12-47-2_load_44	constant_power_A	9619.47	5131.24	4809.735	2565.62
load	R5-12-47-2_load_44	constant_power_B	9236.96	4885.03	4618.48	2442.515
load	R5-12-47-2_load_44	constant_power_A_real	9619.47	0.0	4809.735	0.0
load	R5-12-47-2_load_44	constant_power_B_real	9236.96	0.0	4618.48	0.0
load	R5-12-47-2_load_44	constant_power_A_reac	5131.24	0.0	2565.62	0.0
load	R5-12-47-2_load_44	constant_power_B_reac	4885.03	0.0	2442.515	0.0
load	R5-12-47-2_load_45	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2_load_45	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2_load_45	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2_load_46	constant_power_A	12826.0	6841.65	6413.0	3420.825
load	R5-12-47-2_load_46	constant_power_B	12315.9	6513.37	6157.95	3256.685
load	R5-12-47-2_load_46	constant_power_C	12611.2	6670.23	6305.6	3335.115
load	R5-12-47-2_load_46	constant_power_A_real	12826.0	0.0	6413.0	0.0
load	R5-12-47-2_load_46	constant_power_B_real	12315.9	0.0	6157.95	0.0
load	R5-12-47-2_load_46	constant_power_C_real	12611.2	0.0	6305.6	0.0
load	R5-12-47-2_load_46	constant_power_A_reac	6841.65	0.0	3420.825	0.0
load	R5-12-47-2_load_46	constant_power_B_reac	6513.37	0.0	3256.685	0.0
load	R5-12-47-2_load_46	constant_power_C_reac	6670.23	0.0	3335.115	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_1	constant_power_A	1332.0	666.0	666.0	333.0
load	R5-12-47-3_load_1	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_1	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_1	constant_power_A_real	1332.0	0.0	666.0	0.0
load	R5-12-47-3_load_1	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_1	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_1	constant_power_A_reac	666.0	0.0	333.0	0.0
load	R5-12-47-3_load_1	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_1	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_2	constant_power_A	400.0	200.0	200.0	100.0
load	R5-12-47-3_load_2	constant_power_A_real	400.0	0.0	200.0	0.0
load	R5-12-47-3_load_2	constant_power_A_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3_load_3	constant_power_A	1584.0	924.0	792.0	462.0
load	R5-12-47-3_load_3	constant_power_A_real	1584.0	0.0	792.0	0.0
load	R5-12-47-3_load_3	constant_power_A_reac	924.0	0.0	462.0	0.0
load	R5-12-47-3_load_4	constant_power_A	2400.0	1490.0	1200.0	745.0
load	R5-12-47-3_load_4	constant_power_C	2400.0	1490.0	1200.0	745.0
load	R5-12-47-3_load_4	constant_power_A_real	2400.0	0.0	1200.0	0.0
load	R5-12-47-3_load_4	constant_power_C_real	2400.0	0.0	1200.0	0.0
load	R5-12-47-3_load_4	constant_power_A_reac	1490.0	0.0	745.0	0.0
load	R5-12-47-3_load_4	constant_power_C_reac	1490.0	0.0	745.0	0.0
load	R5-12-47-3_load_5	constant_power_B	2400.0	1490.0	1200.0	745.0
load	R5-12-47-3_load_5	constant_power_B_real	2400.0	0.0	1200.0	0.0
load	R5-12-47-3_load_5	constant_power_B_reac	1490.0	0.0	745.0	0.0
load	R5-12-47-3_load_6	constant_power_B	5100.0	3100.0	2550.0	1550.0
load	R5-12-47-3_load_6	constant_power_B_real	5100.0	0.0	2550.0	0.0
load	R5-12-47-3_load_6	constant_power_B_reac	3100.0	0.0	1550.0	0.0
load	R5-12-47-3_load_7	constant_power_A	2600.0	1610.0	1300.0	805.0
load	R5-12-47-3_load_7	constant_power_C	2600.0	1610.0	1300.0	805.0
load	R5-12-47-3_load_7	constant_power_A_real	2600.0	0.0	1300.0	0.0
load	R5-12-47-3_load_7	constant_power_C_real	2600.0	0.0	1300.0	0.0
load	R5-12-47-3_load_7	constant_power_A_reac	1610.0	0.0	805.0	0.0
load	R5-12-47-3_load_7	constant_power_C_reac	1610.0	0.0	805.0	0.0
load	R5-12-47-3_load_8	constant_power_B	2600.0	1610.0	1300.0	805.0
load	R5-12-47-3_load_8	constant_power_B_real	2600.0	0.0	1300.0	0.0
load	R5-12-47-3_load_8	constant_power_B_reac	1610.0	0.0	805.0	0.0
load	R5-12-47-3_load_9	constant_power_B	5600.0	3500.0	2800.0	1750.0
load	R5-12-47-3_load_9	constant_power_B_real	5600.0	0.0	2800.0	0.0
load	R5-12-47-3_load_9	constant_power_B_reac	3500.0	0.0	1750.0	0.0
load	R5-12-47-3_load_10	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_10	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_10	constant_power_C	34.0	178.0	17.0	89.0
load	R5-12-47-3_load_10	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_10	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_10	constant_power_C_real	34.0	0.0	17.0	0.0
load	R5-12-47-3_load_10	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_10	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_10	constant_power_C_reac	178.0	0.0	89.0	0.0
load	R5-12-47-3_load_11	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_11	constant_power_B	331.2	1904.0	165.6	952.0
load	R5-12-47-3_load_11	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_11	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_11	constant_power_B_real	331.2	0.0	165.6	0.0
load	R5-12-47-3_load_11	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_11	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_11	constant_power_B_reac	1904.0	0.0	952.0	0.0
load	R5-12-47-3_load_11	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_12	constant_power_A	1100.0	550.0	550.0	275.0
load	R5-12-47-3_load_12	constant_power_B	1100.0	550.0	550.0	275.0
load	R5-12-47-3_load_12	constant_power_C	344.3	196.9	172.15	98.45
load	R5-12-47-3_load_12	constant_power_A_real	1100.0	0.0	550.0	0.0
load	R5-12-47-3_load_12	constant_power_B_real	1100.0	0.0	550.0	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3.load_12	constant_power_C_real	344.3	0.0	172.15	0.0
load	R5-12-47-3.load_12	constant_power_A_reac	550.0	0.0	275.0	0.0
load	R5-12-47-3.load_12	constant_power_B_reac	550.0	0.0	275.0	0.0
load	R5-12-47-3.load_12	constant_power_C_reac	196.9	0.0	98.45	0.0
load	R5-12-47-3.load_13	constant_power_A	3640.0	2260.0	1820.0	1130.0
load	R5-12-47-3.load_13	constant_power_A_real	3640.0	0.0	1820.0	0.0
load	R5-12-47-3.load_13	constant_power_A_reac	2260.0	0.0	1130.0	0.0
load	R5-12-47-3.load_14	constant_power_B	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-3.load_14	constant_power_B_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-3.load_14	constant_power_B_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_15	constant_power_B	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-3.load_15	constant_power_B_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-3.load_15	constant_power_B_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_16	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_16	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_16	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_17	constant_power_B	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-3.load_17	constant_power_B_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-3.load_17	constant_power_B_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_18	constant_power_B	500.0	300.0	250.0	150.0
load	R5-12-47-3.load_18	constant_power_B_real	500.0	0.0	250.0	0.0
load	R5-12-47-3.load_18	constant_power_B_reac	300.0	0.0	150.0	0.0
load	R5-12-47-3.load_19	constant_power_B	1200.0	700.0	600.0	350.0
load	R5-12-47-3.load_19	constant_power_B_real	1200.0	0.0	600.0	0.0
load	R5-12-47-3.load_19	constant_power_B_reac	700.0	0.0	350.0	0.0
load	R5-12-47-3.load_20	constant_power_C	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-3.load_20	constant_power_C_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-3.load_20	constant_power_C_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_21	constant_power_A	7000.0	4300.0	3500.0	2150.0
load	R5-12-47-3.load_21	constant_power_A_real	7000.0	0.0	3500.0	0.0
load	R5-12-47-3.load_21	constant_power_A_reac	4300.0	0.0	2150.0	0.0
load	R5-12-47-3.load_22	constant_power_B	640.0	370.0	320.0	185.0
load	R5-12-47-3.load_22	constant_power_B_real	640.0	0.0	320.0	0.0
load	R5-12-47-3.load_22	constant_power_B_reac	370.0	0.0	185.0	0.0
load	R5-12-47-3.load_23	constant_power_B	500.0	300.0	250.0	150.0
load	R5-12-47-3.load_23	constant_power_B_real	500.0	0.0	250.0	0.0
load	R5-12-47-3.load_23	constant_power_B_reac	300.0	0.0	150.0	0.0
load	R5-12-47-3.load_24	constant_power_A	1750.0	10900.0	875.0	5450.0
load	R5-12-47-3.load_24	constant_power_A_real	1750.0	0.0	875.0	0.0
load	R5-12-47-3.load_24	constant_power_A_reac	10900.0	0.0	5450.0	0.0
load	R5-12-47-3.load_25	constant_power_B	1900.0	1200.0	950.0	600.0
load	R5-12-47-3.load_25	constant_power_B_real	1900.0	0.0	950.0	0.0
load	R5-12-47-3.load_25	constant_power_B_reac	1200.0	0.0	600.0	0.0
load	R5-12-47-3.load_26	constant_power_B	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3.load_26	constant_power_B_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_26	constant_power_B_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3.load_27	constant_power_B	6660.0	3330.0	3330.0	1665.0
load	R5-12-47-3.load_27	constant_power_B_real	6660.0	0.0	3330.0	0.0
load	R5-12-47-3.load_27	constant_power_B_reac	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_28	constant_power_C	400.0	200.0	200.0	100.0
load	R5-12-47-3.load_28	constant_power_C_real	400.0	0.0	200.0	0.0
load	R5-12-47-3.load_28	constant_power_C_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3.load_29	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_29	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_29	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_30	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	R5-12-47-3.load_30	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	R5-12-47-3.load_30	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	R5-12-47-3.load_31	constant_power_B	1305.6	758.4	652.8	379.2
load	R5-12-47-3.load_31	constant_power_B_real	1305.6	0.0	652.8	0.0
load	R5-12-47-3.load_31	constant_power_B_reac	758.4	0.0	379.2	0.0
load	R5-12-47-3.load_32	constant_power_B	1998.0	999.0	999.0	499.5

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3.load_32	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_32	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_33	constant_power_A	2700.0	1500.0	1350.0	750.0
load	R5-12-47-3.load_33	constant_power_B	2500.0	1700.0	1250.0	850.0
load	R5-12-47-3.load_33	constant_power_C	2400.0	1500.0	1200.0	750.0
load	R5-12-47-3.load_33	constant_power_A_real	2700.0	0.0	1350.0	0.0
load	R5-12-47-3.load_33	constant_power_B_real	2500.0	0.0	1250.0	0.0
load	R5-12-47-3.load_33	constant_power_C_real	2400.0	0.0	1200.0	0.0
load	R5-12-47-3.load_33	constant_power_A_reac	1500.0	0.0	750.0	0.0
load	R5-12-47-3.load_33	constant_power_B_reac	1700.0	0.0	850.0	0.0
load	R5-12-47-3.load_33	constant_power_C_reac	1500.0	0.0	750.0	0.0
load	R5-12-47-3.load_34	constant_power_B	396.0	196.0	198.0	98.0
load	R5-12-47-3.load_34	constant_power_B_real	396.0	0.0	198.0	0.0
load	R5-12-47-3.load_34	constant_power_B_reac	196.0	0.0	98.0	0.0
load	R5-12-47-3.load_35	constant_power_C	1400.0	900.0	700.0	450.0
load	R5-12-47-3.load_35	constant_power_C_real	1400.0	0.0	700.0	0.0
load	R5-12-47-3.load_35	constant_power_C_reac	900.0	0.0	450.0	0.0
load	R5-12-47-3.load_36	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_36	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_36	constant_power_C	600.0	400.0	300.0	200.0
load	R5-12-47-3.load_36	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_36	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_36	constant_power_C_real	600.0	0.0	300.0	0.0
load	R5-12-47-3.load_36	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_36	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_36	constant_power_C_reac	400.0	0.0	200.0	0.0
load	R5-12-47-3.load_37	constant_power_C	100.0	100.0	50.0	50.0
load	R5-12-47-3.load_37	constant_power_C_real	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_37	constant_power_C_reac	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_38	constant_power_B	120.0	68.0	60.0	34.0
load	R5-12-47-3.load_38	constant_power_B_real	120.0	0.0	60.0	0.0
load	R5-12-47-3.load_38	constant_power_B_reac	68.0	0.0	34.0	0.0
load	R5-12-47-3.load_39	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_39	constant_power_B	300.0	200.0	150.0	100.0
load	R5-12-47-3.load_39	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_39	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_39	constant_power_B_real	300.0	0.0	150.0	0.0
load	R5-12-47-3.load_39	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_39	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_39	constant_power_B_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3.load_39	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_40	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_40	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_40	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_41	constant_power_A	26000.0	13000.0	13000.0	6500.0
load	R5-12-47-3.load_41	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_41	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_41	constant_power_A_real	26000.0	0.0	13000.0	0.0
load	R5-12-47-3.load_41	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_41	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_41	constant_power_A_reac	13000.0	0.0	6500.0	0.0
load	R5-12-47-3.load_41	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_41	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_42	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_42	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_42	constant_power_C	666.0	333.0	333.0	166.5
load	R5-12-47-3.load_42	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_42	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_42	constant_power_C_real	666.0	0.0	333.0	0.0
load	R5-12-47-3.load_42	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_42	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_42	constant_power_C_reac	333.0	0.0	166.5	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3.load_43	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_43	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_43	constant_power_C	600.0	348.0	300.0	174.0
load	R5-12-47-3.load_43	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_43	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_43	constant_power_C_real	600.0	0.0	300.0	0.0
load	R5-12-47-3.load_43	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_43	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_43	constant_power_C_reac	348.0	0.0	174.0	0.0
load	R5-12-47-3.load_44	constant_power_C	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3.load_44	constant_power_C_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_44	constant_power_C_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3.load_45	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_45	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_45	constant_power_C	666.0	333.0	333.0	166.5
load	R5-12-47-3.load_45	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_45	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_45	constant_power_C_real	666.0	0.0	333.0	0.0
load	R5-12-47-3.load_45	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_45	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_45	constant_power_C_reac	333.0	0.0	166.5	0.0
load	R5-12-47-3.load_46	constant_power_A	65.4	339.0	32.7	169.5
load	R5-12-47-3.load_46	constant_power_A_real	65.4	0.0	32.7	0.0
load	R5-12-47-3.load_46	constant_power_A_reac	339.0	0.0	169.5	0.0
load	R5-12-47-3.load_47	constant_power_A	180.0	87.0	90.0	43.5
load	R5-12-47-3.load_47	constant_power_A_real	180.0	0.0	90.0	0.0
load	R5-12-47-3.load_47	constant_power_A_reac	87.0	0.0	43.5	0.0
load	R5-12-47-3.load_48	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_48	constant_power_B	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3.load_48	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_48	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_48	constant_power_B_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_48	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_48	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_48	constant_power_B_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3.load_48	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_49	constant_power_A	8200.0	5100.0	4100.0	2550.0
load	R5-12-47-3.load_49	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_49	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_49	constant_power_A_real	8200.0	0.0	4100.0	0.0
load	R5-12-47-3.load_49	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_49	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_49	constant_power_A_reac	5100.0	0.0	2550.0	0.0
load	R5-12-47-3.load_49	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_49	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_50	constant_power_C	13.8	67.0	6.9	33.5
load	R5-12-47-3.load_50	constant_power_C_real	13.8	0.0	6.9	0.0
load	R5-12-47-3.load_50	constant_power_C_reac	67.0	0.0	33.5	0.0
load	R5-12-47-3.load_51	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_51	constant_power_B	3500.0	6600.0	1750.0	3300.0
load	R5-12-47-3.load_51	constant_power_C	1210.0	3100.0	605.0	1550.0
load	R5-12-47-3.load_51	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_51	constant_power_B_real	3500.0	0.0	1750.0	0.0
load	R5-12-47-3.load_51	constant_power_C_real	1210.0	0.0	605.0	0.0
load	R5-12-47-3.load_51	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_51	constant_power_B_reac	6600.0	0.0	3300.0	0.0
load	R5-12-47-3.load_51	constant_power_C_reac	3100.0	0.0	1550.0	0.0
load	R5-12-47-3.load_52	constant_power_C	666.0	333.0	333.0	166.5
load	R5-12-47-3.load_52	constant_power_C_real	666.0	0.0	333.0	0.0
load	R5-12-47-3.load_52	constant_power_C_reac	333.0	0.0	166.5	0.0
load	R5-12-47-3.load_53	constant_power_B	1122.0	605.0	561.0	302.5
load	R5-12-47-3.load_53	constant_power_B_real	1122.0	0.0	561.0	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3.load_53	constant_power_B_reac	605.0	0.0	302.5	0.0
load	R5-12-47-3.load_54	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_54	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_54	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_55	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_55	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_55	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_56	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_56	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_56	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_56	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_56	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_56	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_56	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_56	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_56	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_57	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_57	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_57	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_58	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_58	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_58	constant_power_C	900.0	500.0	450.0	250.0
load	R5-12-47-3.load_58	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_58	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_58	constant_power_C_real	900.0	0.0	450.0	0.0
load	R5-12-47-3.load_58	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_58	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_58	constant_power_C_reac	500.0	0.0	250.0	0.0
load	R5-12-47-3.load_59	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_59	constant_power_B	256.5	1691.0	128.25	845.5
load	R5-12-47-3.load_59	constant_power_C	380.0	19.0	190.0	9.5
load	R5-12-47-3.load_59	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_59	constant_power_B_real	256.5	0.0	128.25	0.0
load	R5-12-47-3.load_59	constant_power_C_real	380.0	0.0	190.0	0.0
load	R5-12-47-3.load_59	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_59	constant_power_B_reac	1691.0	0.0	845.5	0.0
load	R5-12-47-3.load_59	constant_power_C_reac	19.0	0.0	9.5	0.0
load	R5-12-47-3.load_60	constant_power_C	88.0	48.4	44.0	24.2
load	R5-12-47-3.load_60	constant_power_C_real	88.0	0.0	44.0	0.0
load	R5-12-47-3.load_60	constant_power_C_reac	48.4	0.0	24.2	0.0
load	R5-12-47-3.load_61	constant_power_A	300.0	200.0	150.0	100.0
load	R5-12-47-3.load_61	constant_power_B	300.0	200.0	150.0	100.0
load	R5-12-47-3.load_61	constant_power_C	300.0	200.0	150.0	100.0
load	R5-12-47-3.load_61	constant_power_A_real	300.0	0.0	150.0	0.0
load	R5-12-47-3.load_61	constant_power_B_real	300.0	0.0	150.0	0.0
load	R5-12-47-3.load_61	constant_power_C_real	300.0	0.0	150.0	0.0
load	R5-12-47-3.load_61	constant_power_A_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3.load_61	constant_power_B_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3.load_61	constant_power_C_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3.load_62	constant_power_B	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3.load_62	constant_power_B_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_62	constant_power_B_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3.load_63	constant_power_A	706.7	3774.0	353.35	1887.0
load	R5-12-47-3.load_63	constant_power_A_real	706.7	0.0	353.35	0.0
load	R5-12-47-3.load_63	constant_power_A_reac	3774.0	0.0	1887.0	0.0
load	R5-12-47-3.load_64	constant_power_C	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3.load_64	constant_power_C_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3.load_64	constant_power_C_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3.load_65	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_65	constant_power_B	10000.0	5000.0	5000.0	2500.0
load	R5-12-47-3.load_65	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_65	constant_power_A_real	50.0	0.0	25.0	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3.load_65	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	R5-12-47-3.load_65	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_65	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_65	constant_power_B_reac	5000.0	0.0	2500.0	0.0
load	R5-12-47-3.load_65	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_66	constant_power_A	1196.0	624.0	598.0	312.0
load	R5-12-47-3.load_66	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_66	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_66	constant_power_A_real	1196.0	0.0	598.0	0.0
load	R5-12-47-3.load_66	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_66	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_66	constant_power_A_reac	624.0	0.0	312.0	0.0
load	R5-12-47-3.load_66	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_66	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_67	constant_power_C	600.0	400.0	300.0	200.0
load	R5-12-47-3.load_67	constant_power_C_real	600.0	0.0	300.0	0.0
load	R5-12-47-3.load_67	constant_power_C_reac	400.0	0.0	200.0	0.0
load	R5-12-47-3.load_68	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_68	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_68	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_69	constant_power_C	87.0	47.0	43.5	23.5
load	R5-12-47-3.load_69	constant_power_C_real	87.0	0.0	43.5	0.0
load	R5-12-47-3.load_69	constant_power_C_reac	47.0	0.0	23.5	0.0
load	R5-12-47-3.load_70	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_70	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_70	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_70	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_70	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_70	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_70	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_70	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_70	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_71	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_71	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_71	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_72	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_72	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_72	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_73	constant_power_B	265.5	1440.0	132.75	720.0
load	R5-12-47-3.load_73	constant_power_B_real	265.5	0.0	132.75	0.0
load	R5-12-47-3.load_73	constant_power_B_reac	1440.0	0.0	720.0	0.0
load	R5-12-47-3.load_74	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_74	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_74	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_75	constant_power_A	1516.5	859.5	758.25	429.75
load	R5-12-47-3.load_75	constant_power_A_real	1516.5	0.0	758.25	0.0
load	R5-12-47-3.load_75	constant_power_A_reac	859.5	0.0	429.75	0.0
load	R5-12-47-3.load_76	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_76	constant_power_B	150.0	84.0	75.0	42.0
load	R5-12-47-3.load_76	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_76	constant_power_B_real	150.0	0.0	75.0	0.0
load	R5-12-47-3.load_76	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_76	constant_power_B_reac	84.0	0.0	42.0	0.0
load	R5-12-47-3.load_77	constant_power_A	924.0	462.0	462.0	231.0
load	R5-12-47-3.load_77	constant_power_A_real	924.0	0.0	462.0	0.0
load	R5-12-47-3.load_77	constant_power_A_reac	462.0	0.0	231.0	0.0
load	R5-12-47-3.load_78	constant_power_A	994.0	6035.0	497.0	3017.5
load	R5-12-47-3.load_78	constant_power_A_real	994.0	0.0	497.0	0.0
load	R5-12-47-3.load_78	constant_power_A_reac	6035.0	0.0	3017.5	0.0
load	R5-12-47-3.load_79	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_79	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_79	constant_power_C_reac	999.0	0.0	499.5	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3.load_80	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_80	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_80	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_81	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_81	constant_power_B	1332.0	666.0	666.0	333.0
load	R5-12-47-3.load_81	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_81	constant_power_B_real	1332.0	0.0	666.0	0.0
load	R5-12-47-3.load_81	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_81	constant_power_B_reac	666.0	0.0	333.0	0.0
load	R5-12-47-3.load_82	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_82	constant_power_B	666.0	333.0	333.0	166.5
load	R5-12-47-3.load_82	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_82	constant_power_B_real	666.0	0.0	333.0	0.0
load	R5-12-47-3.load_82	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_82	constant_power_B_reac	333.0	0.0	166.5	0.0
load	R5-12-47-3.load_83	constant_power_B	78.0	38.0	39.0	19.0
load	R5-12-47-3.load_83	constant_power_B_real	78.0	0.0	39.0	0.0
load	R5-12-47-3.load_83	constant_power_B_reac	38.0	0.0	19.0	0.0
load	R5-12-47-3.load_84	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_84	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_84	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_85	constant_power_A	100.0	100.0	50.0	50.0
load	R5-12-47-3.load_85	constant_power_B	100.0	100.0	50.0	50.0
load	R5-12-47-3.load_85	constant_power_C	100.0	100.0	50.0	50.0
load	R5-12-47-3.load_85	constant_power_A_real	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_85	constant_power_B_real	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_85	constant_power_C_real	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_85	constant_power_A_reac	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_85	constant_power_B_reac	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_85	constant_power_C_reac	100.0	0.0	50.0	0.0
load	R5-12-47-3.load_86	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_86	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_86	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_87	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3.load_87	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3.load_87	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3.load_88	constant_power_B	279.0	162.0	139.5	81.0
load	R5-12-47-3.load_88	constant_power_B_real	279.0	0.0	139.5	0.0
load	R5-12-47-3.load_88	constant_power_B_reac	162.0	0.0	81.0	0.0
load	R5-12-47-3.load_89	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_89	constant_power_B	1332.0	666.0	666.0	333.0
load	R5-12-47-3.load_89	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_89	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_89	constant_power_B_real	1332.0	0.0	666.0	0.0
load	R5-12-47-3.load_89	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_89	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_89	constant_power_B_reac	666.0	0.0	333.0	0.0
load	R5-12-47-3.load_89	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_90	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_90	constant_power_B	666.0	333.0	333.0	166.5
load	R5-12-47-3.load_90	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3.load_90	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_90	constant_power_B_real	666.0	0.0	333.0	0.0
load	R5-12-47-3.load_90	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_90	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_90	constant_power_B_reac	333.0	0.0	166.5	0.0
load	R5-12-47-3.load_90	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3.load_91	constant_power_B	3220.0	2000.0	1610.0	1000.0
load	R5-12-47-3.load_91	constant_power_B_real	3220.0	0.0	1610.0	0.0
load	R5-12-47-3.load_91	constant_power_B_reac	2000.0	0.0	1000.0	0.0
load	R5-12-47-3.load_92	constant_power_B	525.0	275.0	262.5	137.5
load	R5-12-47-3.load_92	constant_power_B_real	525.0	0.0	262.5	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_92	constant_power_B_reac	275.0	0.0	137.5	0.0
load	R5-12-47-3_load_93	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_93	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_93	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_94	constant_power_A	1500.0	9300.0	750.0	4650.0
load	R5-12-47-3_load_94	constant_power_A_real	1500.0	0.0	750.0	0.0
load	R5-12-47-3_load_94	constant_power_A_reac	9300.0	0.0	4650.0	0.0
load	R5-12-47-3_load_95	constant_power_A	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_95	constant_power_A_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_95	constant_power_A_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_96	constant_power_A	2690.0	1760.0	1345.0	880.0
load	R5-12-47-3_load_96	constant_power_B	2620.0	1620.0	1310.0	810.0
load	R5-12-47-3_load_96	constant_power_C	2770.0	1630.0	1385.0	815.0
load	R5-12-47-3_load_96	constant_power_A_real	2690.0	0.0	1345.0	0.0
load	R5-12-47-3_load_96	constant_power_B_real	2620.0	0.0	1310.0	0.0
load	R5-12-47-3_load_96	constant_power_C_real	2770.0	0.0	1385.0	0.0
load	R5-12-47-3_load_96	constant_power_A_reac	1760.0	0.0	880.0	0.0
load	R5-12-47-3_load_96	constant_power_B_reac	1620.0	0.0	810.0	0.0
load	R5-12-47-3_load_96	constant_power_C_reac	1630.0	0.0	815.0	0.0
load	R5-12-47-3_load_97	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_97	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_97	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_98	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_98	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_98	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_99	constant_power_C	647.9	336.3	323.95	168.15
load	R5-12-47-3_load_99	constant_power_C_real	647.9	0.0	323.95	0.0
load	R5-12-47-3_load_99	constant_power_C_reac	336.3	0.0	168.15	0.0
load	R5-12-47-3_load_100	constant_power_C	214.0	122.0	107.0	61.0
load	R5-12-47-3_load_100	constant_power_C_real	214.0	0.0	107.0	0.0
load	R5-12-47-3_load_100	constant_power_C_reac	122.0	0.0	61.0	0.0
load	R5-12-47-3_load_101	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_101	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_101	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_102	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_102	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_102	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_102	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_102	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_102	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_102	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_102	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_102	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_103	constant_power_A	4012.0	2108.0	2006.0	1054.0
load	R5-12-47-3_load_103	constant_power_A_real	4012.0	0.0	2006.0	0.0
load	R5-12-47-3_load_103	constant_power_A_reac	2108.0	0.0	1054.0	0.0
load	R5-12-47-3_load_104	constant_power_C	1300.0	800.0	650.0	400.0
load	R5-12-47-3_load_104	constant_power_C_real	1300.0	0.0	650.0	0.0
load	R5-12-47-3_load_104	constant_power_C_reac	800.0	0.0	400.0	0.0
load	R5-12-47-3_load_105	constant_power_A	468.0	252.0	234.0	126.0
load	R5-12-47-3_load_105	constant_power_A_real	468.0	0.0	234.0	0.0
load	R5-12-47-3_load_105	constant_power_A_reac	252.0	0.0	126.0	0.0
load	R5-12-47-3_load_106	constant_power_C	3996.0	1998.0	1998.0	999.0
load	R5-12-47-3_load_106	constant_power_C_real	3996.0	0.0	1998.0	0.0
load	R5-12-47-3_load_106	constant_power_C_reac	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_107	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_107	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_107	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_108	constant_power_C	1810.0	11200.0	905.0	5600.0
load	R5-12-47-3_load_108	constant_power_C_real	1810.0	0.0	905.0	0.0
load	R5-12-47-3_load_108	constant_power_C_reac	11200.0	0.0	5600.0	0.0
load	R5-12-47-3_load_109	constant_power_A	50.0	50.0	25.0	25.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_109	constant_power_B	10272.0	6336.0	5136.0	3168.0
load	R5-12-47-3_load_109	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_109	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_109	constant_power_B_real	10272.0	0.0	5136.0	0.0
load	R5-12-47-3_load_109	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_109	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_109	constant_power_B_reac	6336.0	0.0	3168.0	0.0
load	R5-12-47-3_load_109	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_110	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_110	constant_power_B	5070.0	3055.0	2535.0	1527.5
load	R5-12-47-3_load_110	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_110	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_110	constant_power_B_real	5070.0	0.0	2535.0	0.0
load	R5-12-47-3_load_110	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_110	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_110	constant_power_B_reac	3055.0	0.0	1527.5	0.0
load	R5-12-47-3_load_110	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_111	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_111	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_111	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_111	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_111	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_111	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_111	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_111	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_111	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_112	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_112	constant_power_B	129.0	72.0	64.5	36.0
load	R5-12-47-3_load_112	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_112	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_112	constant_power_B_real	129.0	0.0	64.5	0.0
load	R5-12-47-3_load_112	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_112	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_112	constant_power_B_reac	72.0	0.0	36.0	0.0
load	R5-12-47-3_load_112	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_113	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_113	constant_power_B	838.2	4752.0	419.1	2376.0
load	R5-12-47-3_load_113	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_113	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_113	constant_power_B_real	838.2	0.0	419.1	0.0
load	R5-12-47-3_load_113	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_113	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_113	constant_power_B_reac	4752.0	0.0	2376.0	0.0
load	R5-12-47-3_load_113	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_114	constant_power_B	162.0	78.0	81.0	39.0
load	R5-12-47-3_load_114	constant_power_B_real	162.0	0.0	81.0	0.0
load	R5-12-47-3_load_114	constant_power_B_reac	78.0	0.0	39.0	0.0
load	R5-12-47-3_load_115	constant_power_B	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_115	constant_power_B_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_115	constant_power_B_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_116	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_116	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_116	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_117	constant_power_C	5328.0	2664.0	2664.0	1332.0
load	R5-12-47-3_load_117	constant_power_C_real	5328.0	0.0	2664.0	0.0
load	R5-12-47-3_load_117	constant_power_C_reac	2664.0	0.0	1332.0	0.0
load	R5-12-47-3_load_118	constant_power_C	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_118	constant_power_C_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_118	constant_power_C_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_119	constant_power_A	476.0	248.0	238.0	124.0
load	R5-12-47-3_load_119	constant_power_A_real	476.0	0.0	238.0	0.0
load	R5-12-47-3_load_119	constant_power_A_reac	248.0	0.0	124.0	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_120	constant_power_B	5520.0	4700.0	2760.0	2350.0
load	R5-12-47-3_load_120	constant_power_C	2170.0	700.0	1085.0	350.0
load	R5-12-47-3_load_120	constant_power_B_real	5520.0	0.0	2760.0	0.0
load	R5-12-47-3_load_120	constant_power_C_real	2170.0	0.0	1085.0	0.0
load	R5-12-47-3_load_120	constant_power_B_reac	4700.0	0.0	2350.0	0.0
load	R5-12-47-3_load_120	constant_power_C_reac	700.0	0.0	350.0	0.0
load	R5-12-47-3_load_121	constant_power_B	352.0	184.8	176.0	92.4
load	R5-12-47-3_load_121	constant_power_B_real	352.0	0.0	176.0	0.0
load	R5-12-47-3_load_121	constant_power_B_reac	184.8	0.0	92.4	0.0
load	R5-12-47-3_load_122	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_122	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_122	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_122	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_122	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_122	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_122	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_122	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_122	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_123	constant_power_B	1400.0	900.0	700.0	450.0
load	R5-12-47-3_load_123	constant_power_B_real	1400.0	0.0	700.0	0.0
load	R5-12-47-3_load_123	constant_power_B_reac	900.0	0.0	450.0	0.0
load	R5-12-47-3_load_124	constant_power_B	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_124	constant_power_B_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_124	constant_power_B_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_125	constant_power_C	1332.0	666.0	666.0	333.0
load	R5-12-47-3_load_125	constant_power_C_real	1332.0	0.0	666.0	0.0
load	R5-12-47-3_load_125	constant_power_C_reac	666.0	0.0	333.0	0.0
load	R5-12-47-3_load_126	constant_power_B	1670.0	10300.0	835.0	5150.0
load	R5-12-47-3_load_126	constant_power_B_real	1670.0	0.0	835.0	0.0
load	R5-12-47-3_load_126	constant_power_B_reac	10300.0	0.0	5150.0	0.0
load	R5-12-47-3_load_127	constant_power_B	1710.0	918.0	855.0	459.0
load	R5-12-47-3_load_127	constant_power_B_real	1710.0	0.0	855.0	0.0
load	R5-12-47-3_load_127	constant_power_B_reac	918.0	0.0	459.0	0.0
load	R5-12-47-3_load_128	constant_power_A	1560.0	9700.0	780.0	4850.0
load	R5-12-47-3_load_128	constant_power_B	1560.0	9700.0	780.0	4850.0
load	R5-12-47-3_load_128	constant_power_C	1560.0	9700.0	780.0	4850.0
load	R5-12-47-3_load_128	constant_power_A_real	1560.0	0.0	780.0	0.0
load	R5-12-47-3_load_128	constant_power_B_real	1560.0	0.0	780.0	0.0
load	R5-12-47-3_load_128	constant_power_C_real	1560.0	0.0	780.0	0.0
load	R5-12-47-3_load_128	constant_power_A_reac	9700.0	0.0	4850.0	0.0
load	R5-12-47-3_load_128	constant_power_B_reac	9700.0	0.0	4850.0	0.0
load	R5-12-47-3_load_128	constant_power_C_reac	9700.0	0.0	4850.0	0.0
load	R5-12-47-3_load_129	constant_power_B	900.0	600.0	450.0	300.0
load	R5-12-47-3_load_129	constant_power_B_real	900.0	0.0	450.0	0.0
load	R5-12-47-3_load_129	constant_power_B_reac	600.0	0.0	300.0	0.0
load	R5-12-47-3_load_130	constant_power_B	1120.0	644.0	560.0	322.0
load	R5-12-47-3_load_130	constant_power_B_real	1120.0	0.0	560.0	0.0
load	R5-12-47-3_load_130	constant_power_B_reac	644.0	0.0	322.0	0.0
load	R5-12-47-3_load_131	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_131	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_131	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_131	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_131	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_131	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_131	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_131	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_131	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_132	constant_power_A	1500.0	900.0	750.0	450.0
load	R5-12-47-3_load_132	constant_power_A_real	1500.0	0.0	750.0	0.0
load	R5-12-47-3_load_132	constant_power_A_reac	900.0	0.0	450.0	0.0
load	R5-12-47-3_load_133	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_133	constant_power_C_real	1998.0	0.0	999.0	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_133	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_134	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_134	constant_power_B	413.4	2262.0	206.7	1131.0
load	R5-12-47-3_load_134	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_134	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_134	constant_power_B_real	413.4	0.0	206.7	0.0
load	R5-12-47-3_load_134	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_134	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_134	constant_power_B_reac	2262.0	0.0	1131.0	0.0
load	R5-12-47-3_load_134	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_135	constant_power_C	6000.0	3000.0	3000.0	1500.0
load	R5-12-47-3_load_135	constant_power_C_real	6000.0	0.0	3000.0	0.0
load	R5-12-47-3_load_135	constant_power_C_reac	3000.0	0.0	1500.0	0.0
load	R5-12-47-3_load_136	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_136	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_136	constant_power_C	1250.0	7800.0	625.0	3900.0
load	R5-12-47-3_load_136	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_136	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_136	constant_power_C_real	1250.0	0.0	625.0	0.0
load	R5-12-47-3_load_136	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_136	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_136	constant_power_C_reac	7800.0	0.0	3900.0	0.0
load	R5-12-47-3_load_137	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_137	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_137	constant_power_C	1100.0	700.0	550.0	350.0
load	R5-12-47-3_load_137	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_137	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_137	constant_power_C_real	1100.0	0.0	550.0	0.0
load	R5-12-47-3_load_137	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_137	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_137	constant_power_C_reac	700.0	0.0	350.0	0.0
load	R5-12-47-3_load_138	constant_power_A	4600.0	2850.0	2300.0	1425.0
load	R5-12-47-3_load_138	constant_power_B	4600.0	2850.0	2300.0	1425.0
load	R5-12-47-3_load_138	constant_power_C	4600.0	2850.0	2300.0	1425.0
load	R5-12-47-3_load_138	constant_power_A_real	4600.0	0.0	2300.0	0.0
load	R5-12-47-3_load_138	constant_power_B_real	4600.0	0.0	2300.0	0.0
load	R5-12-47-3_load_138	constant_power_C_real	4600.0	0.0	2300.0	0.0
load	R5-12-47-3_load_138	constant_power_A_reac	2850.0	0.0	1425.0	0.0
load	R5-12-47-3_load_138	constant_power_B_reac	2850.0	0.0	1425.0	0.0
load	R5-12-47-3_load_138	constant_power_C_reac	2850.0	0.0	1425.0	0.0
load	R5-12-47-3_load_139	constant_power_B	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_139	constant_power_B_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_139	constant_power_B_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_140	constant_power_B	1332.0	666.0	666.0	333.0
load	R5-12-47-3_load_140	constant_power_B_real	1332.0	0.0	666.0	0.0
load	R5-12-47-3_load_140	constant_power_B_reac	666.0	0.0	333.0	0.0
load	R5-12-47-3_load_141	constant_power_C	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_141	constant_power_C_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_141	constant_power_C_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_142	constant_power_C	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_142	constant_power_C_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_142	constant_power_C_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_143	constant_power_C	1332.0	666.0	666.0	333.0
load	R5-12-47-3_load_143	constant_power_C_real	1332.0	0.0	666.0	0.0
load	R5-12-47-3_load_143	constant_power_C_reac	666.0	0.0	333.0	0.0
load	R5-12-47-3_load_144	constant_power_C	5328.0	2664.0	2664.0	1332.0
load	R5-12-47-3_load_144	constant_power_C_real	5328.0	0.0	2664.0	0.0
load	R5-12-47-3_load_144	constant_power_C_reac	2664.0	0.0	1332.0	0.0
load	R5-12-47-3_load_145	constant_power_B	2500.0	2900.0	1250.0	1450.0
load	R5-12-47-3_load_145	constant_power_C	2300.0	100.0	1150.0	50.0
load	R5-12-47-3_load_145	constant_power_B_real	2500.0	0.0	1250.0	0.0
load	R5-12-47-3_load_145	constant_power_C_real	2300.0	0.0	1150.0	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_145	constant_power_B_reac	2900.0	0.0	1450.0	0.0
load	R5-12-47-3_load_145	constant_power_C_reac	100.0	0.0	50.0	0.0
load	R5-12-47-3_load_146	constant_power_B	3650.0	2260.0	1825.0	1130.0
load	R5-12-47-3_load_146	constant_power_B_real	3650.0	0.0	1825.0	0.0
load	R5-12-47-3_load_146	constant_power_B_reac	2260.0	0.0	1130.0	0.0
load	R5-12-47-3_load_147	constant_power_B	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_147	constant_power_B_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_147	constant_power_B_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_148	constant_power_A	2150.0	1330.0	1075.0	665.0
load	R5-12-47-3_load_148	constant_power_B	2150.0	1330.0	1075.0	665.0
load	R5-12-47-3_load_148	constant_power_C	2150.0	1330.0	1075.0	665.0
load	R5-12-47-3_load_148	constant_power_A_real	2150.0	0.0	1075.0	0.0
load	R5-12-47-3_load_148	constant_power_B_real	2150.0	0.0	1075.0	0.0
load	R5-12-47-3_load_148	constant_power_C_real	2150.0	0.0	1075.0	0.0
load	R5-12-47-3_load_148	constant_power_A_reac	1330.0	0.0	665.0	0.0
load	R5-12-47-3_load_148	constant_power_B_reac	1330.0	0.0	665.0	0.0
load	R5-12-47-3_load_148	constant_power_C_reac	1330.0	0.0	665.0	0.0
load	R5-12-47-3_load_149	constant_power_A	2300.0	1400.0	1150.0	700.0
load	R5-12-47-3_load_149	constant_power_A_real	2300.0	0.0	1150.0	0.0
load	R5-12-47-3_load_149	constant_power_A_reac	1400.0	0.0	700.0	0.0
load	R5-12-47-3_load_150	constant_power_A	7300.0	4500.0	3650.0	2250.0
load	R5-12-47-3_load_150	constant_power_A_real	7300.0	0.0	3650.0	0.0
load	R5-12-47-3_load_150	constant_power_A_reac	4500.0	0.0	2250.0	0.0
load	R5-12-47-3_load_151	constant_power_B	3890.0	2410.0	1945.0	1205.0
load	R5-12-47-3_load_151	constant_power_B_real	3890.0	0.0	1945.0	0.0
load	R5-12-47-3_load_151	constant_power_B_reac	2410.0	0.0	1205.0	0.0
load	R5-12-47-3_load_152	constant_power_B	600.0	400.0	300.0	200.0
load	R5-12-47-3_load_152	constant_power_B_real	600.0	0.0	300.0	0.0
load	R5-12-47-3_load_152	constant_power_B_reac	400.0	0.0	200.0	0.0
load	R5-12-47-3_load_153	constant_power_B	30.4	156.0	15.2	78.0
load	R5-12-47-3_load_153	constant_power_B_real	30.4	0.0	15.2	0.0
load	R5-12-47-3_load_153	constant_power_B_reac	156.0	0.0	78.0	0.0
load	R5-12-47-3_load_154	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_154	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_154	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_155	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_155	constant_power_B	300.0	200.0	150.0	100.0
load	R5-12-47-3_load_155	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_155	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_155	constant_power_B_real	300.0	0.0	150.0	0.0
load	R5-12-47-3_load_155	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_155	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_155	constant_power_B_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3_load_155	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_156	constant_power_C	5800.0	3600.0	2900.0	1800.0
load	R5-12-47-3_load_156	constant_power_C_real	5800.0	0.0	2900.0	0.0
load	R5-12-47-3_load_156	constant_power_C_reac	3600.0	0.0	1800.0	0.0
load	R5-12-47-3_load_157	constant_power_C	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_157	constant_power_C_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_157	constant_power_C_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_158	constant_power_C	400.0	200.0	200.0	100.0
load	R5-12-47-3_load_158	constant_power_C_real	400.0	0.0	200.0	0.0
load	R5-12-47-3_load_158	constant_power_C_reac	200.0	0.0	100.0	0.0
load	R5-12-47-3_load_159	constant_power_B	7000.0	4300.0	3500.0	2150.0
load	R5-12-47-3_load_159	constant_power_B_real	7000.0	0.0	3500.0	0.0
load	R5-12-47-3_load_159	constant_power_B_reac	4300.0	0.0	2150.0	0.0
load	R5-12-47-3_load_160	constant_power_C	1144.0	572.0	572.0	286.0
load	R5-12-47-3_load_160	constant_power_C_real	1144.0	0.0	572.0	0.0
load	R5-12-47-3_load_160	constant_power_C_reac	572.0	0.0	286.0	0.0
load	R5-12-47-3_load_161	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_161	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_161	constant_power_C_reac	999.0	0.0	499.5	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_162	constant_power_C	53.1	276.0	26.55	138.0
load	R5-12-47-3_load_162	constant_power_C_real	53.1	0.0	26.55	0.0
load	R5-12-47-3_load_162	constant_power_C_reac	276.0	0.0	138.0	0.0
load	R5-12-47-3_load_163	constant_power_C	7371.0	4410.0	3685.5	2205.0
load	R5-12-47-3_load_163	constant_power_C_real	7371.0	0.0	3685.5	0.0
load	R5-12-47-3_load_163	constant_power_C_reac	4410.0	0.0	2205.0	0.0
load	R5-12-47-3_load_164	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_164	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_164	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_165	constant_power_C	2130.0	1230.0	1065.0	615.0
load	R5-12-47-3_load_165	constant_power_C_real	2130.0	0.0	1065.0	0.0
load	R5-12-47-3_load_165	constant_power_C_reac	1230.0	0.0	615.0	0.0
load	R5-12-47-3_load_166	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_166	constant_power_B	900.0	600.0	450.0	300.0
load	R5-12-47-3_load_166	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_166	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_166	constant_power_B_real	900.0	0.0	450.0	0.0
load	R5-12-47-3_load_166	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_166	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_166	constant_power_B_reac	600.0	0.0	300.0	0.0
load	R5-12-47-3_load_166	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_167	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_167	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_167	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_168	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_168	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_168	constant_power_C	1840.0	11400.0	920.0	5700.0
load	R5-12-47-3_load_168	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_168	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_168	constant_power_C_real	1840.0	0.0	920.0	0.0
load	R5-12-47-3_load_168	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_168	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_168	constant_power_C_reac	11400.0	0.0	5700.0	0.0
load	R5-12-47-3_load_169	constant_power_B	3996.0	1998.0	1998.0	999.0
load	R5-12-47-3_load_169	constant_power_B_real	3996.0	0.0	1998.0	0.0
load	R5-12-47-3_load_169	constant_power_B_reac	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_170	constant_power_A	3330.0	1665.0	1665.0	832.5
load	R5-12-47-3_load_170	constant_power_A_real	3330.0	0.0	1665.0	0.0
load	R5-12-47-3_load_170	constant_power_A_reac	1665.0	0.0	832.5	0.0
load	R5-12-47-3_load_171	constant_power_A	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_171	constant_power_A_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_171	constant_power_A_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_172	constant_power_A	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_172	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_172	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_172	constant_power_A_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_172	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_172	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_172	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_172	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_172	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_173	constant_power_A	5350.0	3310.0	2675.0	1655.0
load	R5-12-47-3_load_173	constant_power_B	5350.0	3310.0	2675.0	1655.0
load	R5-12-47-3_load_173	constant_power_C	5350.0	3310.0	2675.0	1655.0
load	R5-12-47-3_load_173	constant_power_A_real	5350.0	0.0	2675.0	0.0
load	R5-12-47-3_load_173	constant_power_B_real	5350.0	0.0	2675.0	0.0
load	R5-12-47-3_load_173	constant_power_C_real	5350.0	0.0	2675.0	0.0
load	R5-12-47-3_load_173	constant_power_A_reac	3310.0	0.0	1655.0	0.0
load	R5-12-47-3_load_173	constant_power_B_reac	3310.0	0.0	1655.0	0.0
load	R5-12-47-3_load_173	constant_power_C_reac	3310.0	0.0	1655.0	0.0
load	R5-12-47-3_load_174	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_174	constant_power_C_real	1998.0	0.0	999.0	0.0

Table 36: Validation data for loadfactor taxonomy R5-12470-3 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-3_load_174	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_175	constant_power_A	77.0	395.0	38.5	197.5
load	R5-12-47-3_load_175	constant_power_B	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_175	constant_power_C	50.0	50.0	25.0	25.0
load	R5-12-47-3_load_175	constant_power_A_real	77.0	0.0	38.5	0.0
load	R5-12-47-3_load_175	constant_power_B_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_175	constant_power_C_real	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_175	constant_power_A_reac	395.0	0.0	197.5	0.0
load	R5-12-47-3_load_175	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_175	constant_power_C_reac	50.0	0.0	25.0	0.0
load	R5-12-47-3_load_176	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_176	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_176	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_177	constant_power_C	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_177	constant_power_C_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_177	constant_power_C_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_178	constant_power_C	100.0	100.0	50.0	50.0
load	R5-12-47-3_load_178	constant_power_C_real	100.0	0.0	50.0	0.0
load	R5-12-47-3_load_178	constant_power_C_reac	100.0	0.0	50.0	0.0
load	R5-12-47-3_load_179	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_179	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_179	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_180	constant_power_C	62.5	310.0	31.25	155.0
load	R5-12-47-3_load_180	constant_power_C_real	62.5	0.0	31.25	0.0
load	R5-12-47-3_load_180	constant_power_C_reac	310.0	0.0	155.0	0.0
load	R5-12-47-3_load_181	constant_power_B	1998.0	999.0	999.0	499.5
load	R5-12-47-3_load_181	constant_power_B_real	1998.0	0.0	999.0	0.0
load	R5-12-47-3_load_181	constant_power_B_reac	999.0	0.0	499.5	0.0
load	R5-12-47-3_load_182	constant_power_B	509.2	3002.0	254.6	1501.0
load	R5-12-47-3_load_182	constant_power_B_real	509.2	0.0	254.6	0.0
load	R5-12-47-3_load_182	constant_power_B_reac	3002.0	0.0	1501.0	0.0

Table 37: Validation data for loadfactor taxonomy R5-12470-4 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-4_load_1	constant_power_A	13428.2	8185.12	6714.1	4092.56
load	R5-12-47-4_load_1	constant_power_B	13904.0	8434.25	6952.0	4217.125
load	R5-12-47-4_load_1	constant_power_C	13362.9	8138.44	6681.45	4069.22
load	R5-12-47-4_load_1	constant_power_A_real	13428.2	0.0	6714.1	0.0
load	R5-12-47-4_load_1	constant_power_B_real	13904.0	0.0	6952.0	0.0
load	R5-12-47-4_load_1	constant_power_C_real	13362.9	0.0	6681.45	0.0
load	R5-12-47-4_load_1	constant_power_A_reac	8185.12	0.0	4092.56	0.0
load	R5-12-47-4_load_1	constant_power_B_reac	8434.25	0.0	4217.125	0.0
load	R5-12-47-4_load_1	constant_power_C_reac	8138.44	0.0	4069.22	0.0
load	R5-12-47-4_load_2	constant_power_A	17234.9	10505.5	8617.45	5252.75
load	R5-12-47-4_load_2	constant_power_B	17845.6	10825.3	8922.8	5412.65
load	R5-12-47-4_load_2	constant_power_C	17151.1	10445.6	8575.55	5222.8
load	R5-12-47-4_load_2	constant_power_A_real	17234.9	0.0	8617.45	0.0
load	R5-12-47-4_load_2	constant_power_B_real	17845.6	0.0	8922.8	0.0
load	R5-12-47-4_load_2	constant_power_C_real	17151.1	0.0	8575.55	0.0
load	R5-12-47-4_load_2	constant_power_A_reac	10505.5	0.0	5252.75	0.0
load	R5-12-47-4_load_2	constant_power_B_reac	10825.3	0.0	5412.65	0.0
load	R5-12-47-4_load_2	constant_power_C_reac	10445.6	0.0	5222.8	0.0
load	R5-12-47-4_load_3	constant_power_C	30000.0	15000.0	15000.0	7500.0
load	R5-12-47-4_load_3	constant_power_C_real	30000.0	0.0	15000.0	0.0
load	R5-12-47-4_load_3	constant_power_C_reac	15000.0	0.0	7500.0	0.0
load	R5-12-47-4_load_4	constant_power_A	70000.0	35000.0	35000.0	17500.0
load	R5-12-47-4_load_4	constant_power_B	70000.0	35000.0	35000.0	17500.0
load	R5-12-47-4_load_4	constant_power_C	70000.0	35000.0	35000.0	17500.0
load	R5-12-47-4_load_4	constant_power_A_real	70000.0	0.0	35000.0	0.0
load	R5-12-47-4_load_4	constant_power_B_real	70000.0	0.0	35000.0	0.0
load	R5-12-47-4_load_4	constant_power_C_real	70000.0	0.0	35000.0	0.0

Table 37: Validation data for loadfactor taxonomy R5-12470-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-4.load_4	constant_power_A_reac	35000.0	0.0	17500.0	0.0
load	R5-12-47-4.load_4	constant_power_B_reac	35000.0	0.0	17500.0	0.0
load	R5-12-47-4.load_4	constant_power_C_reac	35000.0	0.0	17500.0	0.0
load	R5-12-47-4.load_5	constant_power_A	100000.0	50000.0	50000.0	25000.0
load	R5-12-47-4.load_5	constant_power_B	100000.0	50000.0	50000.0	25000.0
load	R5-12-47-4.load_5	constant_power_C	100000.0	50000.0	50000.0	25000.0
load	R5-12-47-4.load_5	constant_power_A_real	100000.0	0.0	50000.0	0.0
load	R5-12-47-4.load_5	constant_power_B_real	100000.0	0.0	50000.0	0.0
load	R5-12-47-4.load_5	constant_power_C_real	100000.0	0.0	50000.0	0.0
load	R5-12-47-4.load_5	constant_power_A_reac	50000.0	0.0	25000.0	0.0
load	R5-12-47-4.load_5	constant_power_B_reac	50000.0	0.0	25000.0	0.0
load	R5-12-47-4.load_5	constant_power_C_reac	50000.0	0.0	25000.0	0.0
load	R5-12-47-4.load_6	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	R5-12-47-4.load_6	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	R5-12-47-4.load_6	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	R5-12-47-4.load_7	constant_power_A	135000.0	67500.0	67500.0	33750.0
load	R5-12-47-4.load_7	constant_power_B	135000.0	67500.0	67500.0	33750.0
load	R5-12-47-4.load_7	constant_power_C	135000.0	67500.0	67500.0	33750.0
load	R5-12-47-4.load_7	constant_power_A_real	135000.0	0.0	67500.0	0.0
load	R5-12-47-4.load_7	constant_power_B_real	135000.0	0.0	67500.0	0.0
load	R5-12-47-4.load_7	constant_power_C_real	135000.0	0.0	67500.0	0.0
load	R5-12-47-4.load_7	constant_power_A_reac	67500.0	0.0	33750.0	0.0
load	R5-12-47-4.load_7	constant_power_B_reac	67500.0	0.0	33750.0	0.0
load	R5-12-47-4.load_7	constant_power_C_reac	67500.0	0.0	33750.0	0.0
load	R5-12-47-4.load_8	constant_power_A	135000.0	67500.0	67500.0	33750.0
load	R5-12-47-4.load_8	constant_power_B	135000.0	67500.0	67500.0	33750.0
load	R5-12-47-4.load_8	constant_power_C	135000.0	67500.0	67500.0	33750.0
load	R5-12-47-4.load_8	constant_power_A_real	135000.0	0.0	67500.0	0.0
load	R5-12-47-4.load_8	constant_power_B_real	135000.0	0.0	67500.0	0.0
load	R5-12-47-4.load_8	constant_power_C_real	135000.0	0.0	67500.0	0.0
load	R5-12-47-4.load_8	constant_power_A_reac	67500.0	0.0	33750.0	0.0
load	R5-12-47-4.load_8	constant_power_B_reac	67500.0	0.0	33750.0	0.0
load	R5-12-47-4.load_8	constant_power_C_reac	67500.0	0.0	33750.0	0.0
load	R5-12-47-4.load_9	constant_power_A	5595.09	3410.47	2797.545	1705.235
load	R5-12-47-4.load_9	constant_power_B	5793.32	3514.27	2896.66	1757.135
load	R5-12-47-4.load_9	constant_power_C	5567.87	3391.02	2783.935	1695.51
load	R5-12-47-4.load_9	constant_power_A_real	5595.09	0.0	2797.545	0.0
load	R5-12-47-4.load_9	constant_power_B_real	5793.32	0.0	2896.66	0.0
load	R5-12-47-4.load_9	constant_power_C_real	5567.87	0.0	2783.935	0.0
load	R5-12-47-4.load_9	constant_power_A_reac	3410.47	0.0	1705.235	0.0
load	R5-12-47-4.load_9	constant_power_B_reac	3514.27	0.0	1757.135	0.0
load	R5-12-47-4.load_9	constant_power_C_reac	3391.02	0.0	1695.51	0.0
load	R5-12-47-4.load_10	constant_power_A	39766.2	24239.4	19883.1	12119.7
load	R5-12-47-4.load_10	constant_power_B	41175.1	24977.1	20587.55	12488.55
load	R5-12-47-4.load_10	constant_power_C	39572.8	24101.1	19786.4	12050.55
load	R5-12-47-4.load_10	constant_power_A_real	39766.2	0.0	19883.1	0.0
load	R5-12-47-4.load_10	constant_power_B_real	41175.1	0.0	20587.55	0.0
load	R5-12-47-4.load_10	constant_power_C_real	39572.8	0.0	19786.4	0.0
load	R5-12-47-4.load_10	constant_power_A_reac	24239.4	0.0	12119.7	0.0
load	R5-12-47-4.load_10	constant_power_B_reac	24977.1	0.0	12488.55	0.0
load	R5-12-47-4.load_10	constant_power_C_reac	24101.1	0.0	12050.55	0.0
load	R5-12-47-4.load_11	constant_power_A	8392.63	5115.7	4196.315	2557.85
load	R5-12-47-4.load_11	constant_power_B	8689.98	5271.41	4344.99	2635.705
load	R5-12-47-4.load_11	constant_power_C	8351.81	5086.53	4175.905	2543.265
load	R5-12-47-4.load_11	constant_power_A_real	8392.63	0.0	4196.315	0.0
load	R5-12-47-4.load_11	constant_power_B_real	8689.98	0.0	4344.99	0.0
load	R5-12-47-4.load_11	constant_power_C_real	8351.81	0.0	4175.905	0.0
load	R5-12-47-4.load_11	constant_power_A_reac	5115.7	0.0	2557.85	0.0
load	R5-12-47-4.load_11	constant_power_B_reac	5271.41	0.0	2635.705	0.0
load	R5-12-47-4.load_11	constant_power_C_reac	5086.53	0.0	2543.265	0.0
load	R5-12-47-4.load_12	constant_power_C	30000.0	15000.0	15000.0	7500.0
load	R5-12-47-4.load_12	constant_power_C_real	30000.0	0.0	15000.0	0.0

Table 37: Validation data for loadfactor taxonomy R5-12470-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-4_load_12	constant_power_C_reac	15000.0	0.0	7500.0	0.0
load	R5-12-47-4_load_13	constant_power_A	10000.0	5000.0	5000.0	2500.0
load	R5-12-47-4_load_13	constant_power_B	10000.0	5000.0	5000.0	2500.0
load	R5-12-47-4_load_13	constant_power_C	10000.0	5000.0	5000.0	2500.0
load	R5-12-47-4_load_13	constant_power_A_real	10000.0	0.0	5000.0	0.0
load	R5-12-47-4_load_13	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	R5-12-47-4_load_13	constant_power_C_real	10000.0	0.0	5000.0	0.0
load	R5-12-47-4_load_13	constant_power_A_reac	5000.0	0.0	2500.0	0.0
load	R5-12-47-4_load_13	constant_power_B_reac	5000.0	0.0	2500.0	0.0
load	R5-12-47-4_load_13	constant_power_C_reac	5000.0	0.0	2500.0	0.0
load	R5-12-47-4_load_14	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	R5-12-47-4_load_14	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	R5-12-47-4_load_14	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	R5-12-47-4_load_15	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	R5-12-47-4_load_15	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	R5-12-47-4_load_15	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	R5-12-47-4_load_15	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	R5-12-47-4_load_15	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	R5-12-47-4_load_15	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	R5-12-47-4_load_15	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	R5-12-47-4_load_15	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	R5-12-47-4_load_15	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	R5-12-47-4_load_16	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	R5-12-47-4_load_16	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	R5-12-47-4_load_16	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	R5-12-47-4_load_16	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	R5-12-47-4_load_16	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	R5-12-47-4_load_16	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	R5-12-47-4_load_16	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	R5-12-47-4_load_16	constant_power_B_reac	20000.0	0.0	10000.0	0.0
load	R5-12-47-4_load_16	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	R5-12-47-4_load_17	constant_power_B	105900.0	64200.0	52950.0	32100.0
load	R5-12-47-4_load_17	constant_power_C	33900.0	20700.0	16950.0	10350.0
load	R5-12-47-4_load_17	constant_power_B_real	105900.0	0.0	52950.0	0.0
load	R5-12-47-4_load_17	constant_power_C_real	33900.0	0.0	16950.0	0.0
load	R5-12-47-4_load_17	constant_power_B_reac	64200.0	0.0	32100.0	0.0
load	R5-12-47-4_load_17	constant_power_C_reac	20700.0	0.0	10350.0	0.0
load	R5-12-47-4_load_18	constant_power_A	41256.1	25147.5	20628.05	12573.75
load	R5-12-47-4_load_18	constant_power_B	42717.8	25912.9	21358.9	12956.45
load	R5-12-47-4_load_18	constant_power_C	41055.4	25004.1	20527.7	12502.05
load	R5-12-47-4_load_18	constant_power_A_real	41256.1	0.0	20628.05	0.0
load	R5-12-47-4_load_18	constant_power_B_real	42717.8	0.0	21358.9	0.0
load	R5-12-47-4_load_18	constant_power_C_real	41055.4	0.0	20527.7	0.0
load	R5-12-47-4_load_18	constant_power_A_reac	25147.5	0.0	12573.75	0.0
load	R5-12-47-4_load_18	constant_power_B_reac	25912.9	0.0	12956.45	0.0
load	R5-12-47-4_load_18	constant_power_C_reac	25004.1	0.0	12502.05	0.0
load	R5-12-47-4_load_19	constant_power_C	2227.15	1356.41	1113.575	678.205
load	R5-12-47-4_load_19	constant_power_C_real	2227.15	0.0	1113.575	0.0
load	R5-12-47-4_load_19	constant_power_C_reac	1356.41	0.0	678.205	0.0
load	R5-12-47-4_load_20	constant_power_A	37375.2	22781.9	18687.6	11390.95
load	R5-12-47-4_load_20	constant_power_B	38699.4	23475.3	19349.7	11737.65
load	R5-12-47-4_load_20	constant_power_C	37193.4	22652.0	18596.7	11326.0
load	R5-12-47-4_load_20	constant_power_A_real	37375.2	0.0	18687.6	0.0
load	R5-12-47-4_load_20	constant_power_B_real	38699.4	0.0	19349.7	0.0
load	R5-12-47-4_load_20	constant_power_C_real	37193.4	0.0	18596.7	0.0
load	R5-12-47-4_load_20	constant_power_A_reac	22781.9	0.0	11390.95	0.0
load	R5-12-47-4_load_20	constant_power_B_reac	23475.3	0.0	11737.65	0.0
load	R5-12-47-4_load_20	constant_power_C_reac	22652.0	0.0	11326.0	0.0
load	R5-12-47-4_load_21	constant_power_A	43011.3	26217.4	21505.65	13108.7
load	R5-12-47-4_load_21	constant_power_B	44535.2	27015.4	22267.6	13507.7
load	R5-12-47-4_load_21	constant_power_C	42802.1	26067.9	21401.05	13033.95
load	R5-12-47-4_load_21	constant_power_A_real	43011.3	0.0	21505.65	0.0

Table 37: Validation data for loadfactor taxonomy R5-12470-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-4_load_21	constant_power_B_real	44535.2	0.0	22267.6	0.0
load	R5-12-47-4_load_21	constant_power_C_real	42802.1	0.0	21401.05	0.0
load	R5-12-47-4_load_21	constant_power_A_reac	26217.4	0.0	13108.7	0.0
load	R5-12-47-4_load_21	constant_power_B_reac	27015.4	0.0	13507.7	0.0
load	R5-12-47-4_load_21	constant_power_C_reac	26067.9	0.0	13033.95	0.0
load	R5-12-47-4_load_22	constant_power_A	17078.2	10410.0	8539.1	5205.0
load	R5-12-47-4_load_22	constant_power_B	17683.3	10726.8	8841.65	5363.4
load	R5-12-47-4_load_22	constant_power_C	16995.2	10350.6	8497.6	5175.3
load	R5-12-47-4_load_22	constant_power_A_real	17078.2	0.0	8539.1	0.0
load	R5-12-47-4_load_22	constant_power_B_real	17683.3	0.0	8841.65	0.0
load	R5-12-47-4_load_22	constant_power_C_real	16995.2	0.0	8497.6	0.0
load	R5-12-47-4_load_22	constant_power_A_reac	10410.0	0.0	5205.0	0.0
load	R5-12-47-4_load_22	constant_power_B_reac	10726.8	0.0	5363.4	0.0
load	R5-12-47-4_load_22	constant_power_C_reac	10350.6	0.0	5175.3	0.0
load	R5-12-47-4_load_23	constant_power_A	16785.3	10231.4	8392.65	5115.7
load	R5-12-47-4_load_23	constant_power_B	17380.0	10542.8	8690.0	5271.4
load	R5-12-47-4_load_23	constant_power_C	16703.6	10173.1	8351.8	5086.55
load	R5-12-47-4_load_23	constant_power_A_real	16785.3	0.0	8392.65	0.0
load	R5-12-47-4_load_23	constant_power_B_real	17380.0	0.0	8690.0	0.0
load	R5-12-47-4_load_23	constant_power_C_real	16703.6	0.0	8351.8	0.0
load	R5-12-47-4_load_23	constant_power_A_reac	10231.4	0.0	5115.7	0.0
load	R5-12-47-4_load_23	constant_power_B_reac	10542.8	0.0	5271.4	0.0
load	R5-12-47-4_load_23	constant_power_C_reac	10173.1	0.0	5086.55	0.0
load	R5-12-47-4_load_24	constant_power_A	56355.2	34351.2	28177.6	17175.6
load	R5-12-47-4_load_24	constant_power_B	58351.9	35396.7	29175.95	17698.35
load	R5-12-47-4_load_24	constant_power_C	56081.1	34155.3	28040.55	17077.65
load	R5-12-47-4_load_24	constant_power_A_real	56355.2	0.0	28177.6	0.0
load	R5-12-47-4_load_24	constant_power_B_real	58351.9	0.0	29175.95	0.0
load	R5-12-47-4_load_24	constant_power_C_real	56081.1	0.0	28040.55	0.0
load	R5-12-47-4_load_24	constant_power_A_reac	34351.2	0.0	17175.6	0.0
load	R5-12-47-4_load_24	constant_power_B_reac	35396.7	0.0	17698.35	0.0
load	R5-12-47-4_load_24	constant_power_C_reac	34155.3	0.0	17077.65	0.0
load	R5-12-47-4_load_25	constant_power_C	51107.8	31126.3	25553.9	15563.15
load	R5-12-47-4_load_25	constant_power_C_real	51107.8	0.0	25553.9	0.0
load	R5-12-47-4_load_25	constant_power_C_reac	31126.3	0.0	15563.15	0.0
load	R5-12-47-4_load_26	constant_power_A	18366.0	11195.0	9183.0	5597.5
load	R5-12-47-4_load_26	constant_power_B	19016.8	11535.7	9508.4	5767.85
load	R5-12-47-4_load_26	constant_power_C	18276.7	11131.1	9138.35	5565.55
load	R5-12-47-4_load_26	constant_power_A_real	18366.0	0.0	9183.0	0.0
load	R5-12-47-4_load_26	constant_power_B_real	19016.8	0.0	9508.4	0.0
load	R5-12-47-4_load_26	constant_power_C_real	18276.7	0.0	9138.35	0.0
load	R5-12-47-4_load_26	constant_power_A_reac	11195.0	0.0	5597.5	0.0
load	R5-12-47-4_load_26	constant_power_B_reac	11535.7	0.0	5767.85	0.0
load	R5-12-47-4_load_26	constant_power_C_reac	11131.1	0.0	5565.55	0.0
load	R5-12-47-4_load_27	constant_power_A	8253.82	5031.09	4126.91	2515.545
load	R5-12-47-4_load_27	constant_power_B	8546.25	5184.22	4273.125	2592.11
load	R5-12-47-4_load_27	constant_power_C	8213.67	5002.4	4106.835	2501.2
load	R5-12-47-4_load_27	constant_power_A_real	8253.82	0.0	4126.91	0.0
load	R5-12-47-4_load_27	constant_power_B_real	8546.25	0.0	4273.125	0.0
load	R5-12-47-4_load_27	constant_power_C_real	8213.67	0.0	4106.835	0.0
load	R5-12-47-4_load_27	constant_power_A_reac	5031.09	0.0	2515.545	0.0
load	R5-12-47-4_load_27	constant_power_B_reac	5184.22	0.0	2592.11	0.0
load	R5-12-47-4_load_27	constant_power_C_reac	5002.4	0.0	2501.2	0.0
load	R5-12-47-4_load_28	constant_power_A	47346.2	28859.7	23673.1	14429.85
load	R5-12-47-4_load_28	constant_power_B	49023.7	29738.1	24511.85	14869.05
load	R5-12-47-4_load_28	constant_power_C	47115.9	28695.1	23557.95	14347.55
load	R5-12-47-4_load_28	constant_power_A_real	47346.2	0.0	23673.1	0.0
load	R5-12-47-4_load_28	constant_power_B_real	49023.7	0.0	24511.85	0.0
load	R5-12-47-4_load_28	constant_power_C_real	47115.9	0.0	23557.95	0.0
load	R5-12-47-4_load_28	constant_power_A_reac	28859.7	0.0	14429.85	0.0
load	R5-12-47-4_load_28	constant_power_B_reac	29738.1	0.0	14869.05	0.0
load	R5-12-47-4_load_28	constant_power_C_reac	28695.1	0.0	14347.55	0.0

Table 37: Validation data for loadfactor taxonomy R5-12470-4 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-4_load_29	constant_power_A	31573.8	19245.7	15786.9	9622.85
load	R5-12-47-4_load_29	constant_power_B	32692.5	19831.5	16346.25	9915.75
load	R5-12-47-4_load_29	constant_power_C	31420.3	19136.0	15710.15	9568.0
load	R5-12-47-4_load_29	constant_power_A_real	31573.8	0.0	15786.9	0.0
load	R5-12-47-4_load_29	constant_power_B_real	32692.5	0.0	16346.25	0.0
load	R5-12-47-4_load_29	constant_power_C_real	31420.3	0.0	15710.15	0.0
load	R5-12-47-4_load_29	constant_power_A_reac	19245.7	0.0	9622.85	0.0
load	R5-12-47-4_load_29	constant_power_B_reac	19831.5	0.0	9915.75	0.0
load	R5-12-47-4_load_29	constant_power_C_reac	19136.0	0.0	9568.0	0.0
load	R5-12-47-4_load_30	constant_power_A	69118.6	42131.0	34559.3	21065.5
load	R5-12-47-4_load_30	constant_power_B	71567.5	43413.4	35783.75	21706.7
load	R5-12-47-4_load_30	constant_power_C	68782.4	41890.7	34391.2	20945.35
load	R5-12-47-4_load_30	constant_power_A_real	69118.6	0.0	34559.3	0.0
load	R5-12-47-4_load_30	constant_power_B_real	71567.5	0.0	35783.75	0.0
load	R5-12-47-4_load_30	constant_power_C_real	68782.4	0.0	34391.2	0.0
load	R5-12-47-4_load_30	constant_power_A_reac	42131.0	0.0	21065.5	0.0
load	R5-12-47-4_load_30	constant_power_B_reac	43413.4	0.0	21706.7	0.0
load	R5-12-47-4_load_30	constant_power_C_reac	41890.7	0.0	20945.35	0.0
load	R5-12-47-4_load_31	constant_power_A	5444.14	3318.46	2722.07	1659.23
load	R5-12-47-4_load_31	constant_power_B	5637.03	3419.46	2818.515	1709.73
load	R5-12-47-4_load_31	constant_power_C	5417.66	3299.53	2708.83	1649.765
load	R5-12-47-4_load_31	constant_power_A_real	5444.14	0.0	2722.07	0.0
load	R5-12-47-4_load_31	constant_power_B_real	5637.03	0.0	2818.515	0.0
load	R5-12-47-4_load_31	constant_power_C_real	5417.66	0.0	2708.83	0.0
load	R5-12-47-4_load_31	constant_power_A_reac	3318.46	0.0	1659.23	0.0
load	R5-12-47-4_load_31	constant_power_B_reac	3419.46	0.0	1709.73	0.0
load	R5-12-47-4_load_31	constant_power_C_reac	3299.53	0.0	1649.765	0.0
load	R5-12-47-4_load_32	constant_power_A	428670.0	50.0	214335.0	25.0
load	R5-12-47-4_load_32	constant_power_B	428670.0	50.0	214335.0	25.0
load	R5-12-47-4_load_32	constant_power_C	428670.0	50.0	214335.0	25.0
load	R5-12-47-4_load_32	constant_power_A_real	428670.0	0.0	214335.0	0.0
load	R5-12-47-4_load_32	constant_power_B_real	428670.0	0.0	214335.0	0.0
load	R5-12-47-4_load_32	constant_power_C_real	428670.0	0.0	214335.0	0.0
load	R5-12-47-4_load_32	constant_power_A_reac	50.0	0.0	25.0	0.0
load	R5-12-47-4_load_32	constant_power_B_reac	50.0	0.0	25.0	0.0
load	R5-12-47-4_load_32	constant_power_C_reac	50.0	0.0	25.0	0.0

Table 38: Validation data for loadfactor taxonomy R5-12470-5 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-5_load_1	constant_power_A	8103.33	3756.89	4051.665	1878.445
load	R5-12-47-5_load_1	constant_power_B	8630.3	4055.03	4315.15	2027.515
load	R5-12-47-5_load_1	constant_power_C	7209.88	3411.09	3604.94	1705.545
load	R5-12-47-5_load_1	constant_power_A_real	8103.33	0.0	4051.665	0.0
load	R5-12-47-5_load_1	constant_power_B_real	8630.3	0.0	4315.15	0.0
load	R5-12-47-5_load_1	constant_power_C_real	7209.88	0.0	3604.94	0.0
load	R5-12-47-5_load_1	constant_power_A_reac	3756.89	0.0	1878.445	0.0
load	R5-12-47-5_load_1	constant_power_B_reac	4055.03	0.0	2027.515	0.0
load	R5-12-47-5_load_1	constant_power_C_reac	3411.09	0.0	1705.545	0.0
load	R5-12-47-5_load_2	constant_power_A	46794.4	21694.9	23397.2	10847.45
load	R5-12-47-5_load_2	constant_power_B	49837.5	23416.6	24918.75	11708.3
load	R5-12-47-5_load_2	constant_power_C	41635.0	19698.1	20817.5	9849.05
load	R5-12-47-5_load_2	constant_power_A_real	46794.4	0.0	23397.2	0.0
load	R5-12-47-5_load_2	constant_power_B_real	49837.5	0.0	24918.75	0.0
load	R5-12-47-5_load_2	constant_power_C_real	41635.0	0.0	20817.5	0.0
load	R5-12-47-5_load_2	constant_power_A_reac	21694.9	0.0	10847.45	0.0
load	R5-12-47-5_load_2	constant_power_B_reac	23416.6	0.0	11708.3	0.0
load	R5-12-47-5_load_2	constant_power_C_reac	19698.1	0.0	9849.05	0.0
load	R5-12-47-5_load_3	constant_power_B	30244.9	14210.8	15122.45	7105.4
load	R5-12-47-5_load_3	constant_power_B_real	30244.9	0.0	15122.45	0.0
load	R5-12-47-5_load_3	constant_power_B_reac	14210.8	0.0	7105.4	0.0
load	R5-12-47-5_load_4	constant_power_C	28130.4	13308.9	14065.2	6654.45

Table 38: Validation data for loadfactor taxonomy R5-12470-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-5.load_4	constant_power_C_real	28130.4	0.0	14065.2	0.0
load	R5-12-47-5.load_4	constant_power_C_reac	13308.9	0.0	6654.45	0.0
load	R5-12-47-5.load_5	constant_power_B	28811.0	13537.1	14405.5	6768.55
load	R5-12-47-5.load_5	constant_power_B_real	28811.0	0.0	14405.5	0.0
load	R5-12-47-5.load_5	constant_power_B_reac	13537.1	0.0	6768.55	0.0
load	R5-12-47-5.load_6	constant_power_A	30453.0	14118.7	15226.5	7059.35
load	R5-12-47-5.load_6	constant_power_B	32433.4	15239.1	16216.7	7619.55
load	R5-12-47-5.load_6	constant_power_C	27095.4	12819.2	13547.7	6409.6
load	R5-12-47-5.load_6	constant_power_A_real	30453.0	0.0	15226.5	0.0
load	R5-12-47-5.load_6	constant_power_B_real	32433.4	0.0	16216.7	0.0
load	R5-12-47-5.load_6	constant_power_C_real	27095.4	0.0	13547.7	0.0
load	R5-12-47-5.load_6	constant_power_A_reac	14118.7	0.0	7059.35	0.0
load	R5-12-47-5.load_6	constant_power_B_reac	15239.1	0.0	7619.55	0.0
load	R5-12-47-5.load_6	constant_power_C_reac	12819.2	0.0	6409.6	0.0
load	R5-12-47-5.load_7	constant_power_C	15401.6	7286.73	7700.8	3643.365
load	R5-12-47-5.load_7	constant_power_C_real	15401.6	0.0	7700.8	0.0
load	R5-12-47-5.load_7	constant_power_C_reac	7286.73	0.0	3643.365	0.0
load	R5-12-47-5.load_8	constant_power_A	18248.5	8460.43	9124.25	4230.215
load	R5-12-47-5.load_8	constant_power_B	19435.3	9131.84	9717.65	4565.92
load	R5-12-47-5.load_8	constant_power_C	16236.5	7681.72	8118.25	3840.86
load	R5-12-47-5.load_8	constant_power_A_real	18248.5	0.0	9124.25	0.0
load	R5-12-47-5.load_8	constant_power_B_real	19435.3	0.0	9717.65	0.0
load	R5-12-47-5.load_8	constant_power_C_real	16236.5	0.0	8118.25	0.0
load	R5-12-47-5.load_8	constant_power_A_reac	8460.43	0.0	4230.215	0.0
load	R5-12-47-5.load_8	constant_power_B_reac	9131.84	0.0	4565.92	0.0
load	R5-12-47-5.load_8	constant_power_C_reac	7681.72	0.0	3840.86	0.0
load	R5-12-47-5.load_9	constant_power_A	107804.0	49980.3	53902.0	24990.15
load	R5-12-47-5.load_9	constant_power_B	114815.0	53946.7	57407.5	26973.35
load	R5-12-47-5.load_9	constant_power_C	95917.8	45380.1	47958.9	22690.05
load	R5-12-47-5.load_9	constant_power_A_real	107804.0	0.0	53902.0	0.0
load	R5-12-47-5.load_9	constant_power_B_real	114815.0	0.0	57407.5	0.0
load	R5-12-47-5.load_9	constant_power_C_real	95917.8	0.0	47958.9	0.0
load	R5-12-47-5.load_9	constant_power_A_reac	49980.3	0.0	24990.15	0.0
load	R5-12-47-5.load_9	constant_power_B_reac	53946.7	0.0	26973.35	0.0
load	R5-12-47-5.load_9	constant_power_C_reac	45380.1	0.0	22690.05	0.0
load	R5-12-47-5.load_10	constant_power_A	28525.1	13224.9	14262.55	6612.45
load	R5-12-47-5.load_10	constant_power_A_real	28525.1	0.0	14262.55	0.0
load	R5-12-47-5.load_10	constant_power_A_reac	13224.9	0.0	6612.45	0.0
load	R5-12-47-5.load_11	constant_power_A	112701.0	52250.7	56350.5	26125.35
load	R5-12-47-5.load_11	constant_power_B	120030.0	56397.2	60015.0	28198.6
load	R5-12-47-5.load_11	constant_power_C	100275.0	47441.4	50137.5	23720.7
load	R5-12-47-5.load_11	constant_power_A_real	112701.0	0.0	56350.5	0.0
load	R5-12-47-5.load_11	constant_power_B_real	120030.0	0.0	60015.0	0.0
load	R5-12-47-5.load_11	constant_power_C_real	100275.0	0.0	50137.5	0.0
load	R5-12-47-5.load_11	constant_power_A_reac	52250.7	0.0	26125.35	0.0
load	R5-12-47-5.load_11	constant_power_B_reac	56397.2	0.0	28198.6	0.0
load	R5-12-47-5.load_11	constant_power_C_reac	47441.4	0.0	23720.7	0.0
load	R5-12-47-5.load_12	constant_power_A	64419.3	29866.2	32209.65	14933.1
load	R5-12-47-5.load_12	constant_power_B	68608.6	32236.4	34304.3	16118.2
load	R5-12-47-5.load_12	constant_power_C	57316.6	27117.3	28658.3	13558.65
load	R5-12-47-5.load_12	constant_power_A_real	64419.3	0.0	32209.65	0.0
load	R5-12-47-5.load_12	constant_power_B_real	68608.6	0.0	34304.3	0.0
load	R5-12-47-5.load_12	constant_power_C_real	57316.6	0.0	28658.3	0.0
load	R5-12-47-5.load_12	constant_power_A_reac	29866.2	0.0	14933.1	0.0
load	R5-12-47-5.load_12	constant_power_B_reac	32236.4	0.0	16118.2	0.0
load	R5-12-47-5.load_12	constant_power_C_reac	27117.3	0.0	13558.65	0.0
load	R5-12-47-5.load_13	constant_power_A	101929.0	47256.6	50964.5	23628.3
load	R5-12-47-5.load_13	constant_power_B	108558.0	51006.9	54279.0	25503.45
load	R5-12-47-5.load_13	constant_power_C	90690.7	42907.0	45345.35	21453.5
load	R5-12-47-5.load_13	constant_power_A_real	101929.0	0.0	50964.5	0.0
load	R5-12-47-5.load_13	constant_power_B_real	108558.0	0.0	54279.0	0.0
load	R5-12-47-5.load_13	constant_power_C_real	90690.7	0.0	45345.35	0.0

Table 38: Validation data for loadfactor taxonomy R5-12470-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-5_load_13	constant_power_A_reac	47256.6	0.0	23628.3	0.0
load	R5-12-47-5_load_13	constant_power_B_reac	51006.9	0.0	25503.45	0.0
load	R5-12-47-5_load_13	constant_power_C_reac	42907.0	0.0	21453.5	0.0
load	R5-12-47-5_load_14	constant_power_A	20415.4	9465.04	10207.7	4732.52
load	R5-12-47-5_load_14	constant_power_B	21743.1	10216.2	10871.55	5108.1
load	R5-12-47-5_load_14	constant_power_C	18164.5	8593.86	9082.25	4296.93
load	R5-12-47-5_load_14	constant_power_A_real	20415.4	0.0	10207.7	0.0
load	R5-12-47-5_load_14	constant_power_B_real	21743.1	0.0	10871.55	0.0
load	R5-12-47-5_load_14	constant_power_C_real	18164.5	0.0	9082.25	0.0
load	R5-12-47-5_load_14	constant_power_A_reac	9465.04	0.0	4732.52	0.0
load	R5-12-47-5_load_14	constant_power_B_reac	10216.2	0.0	5108.1	0.0
load	R5-12-47-5_load_14	constant_power_C_reac	8593.86	0.0	4296.93	0.0
load	R5-12-47-5_load_15	constant_power_A	44512.8	20637.1	22256.4	10318.55
load	R5-12-47-5_load_15	constant_power_B	47407.6	22274.9	23703.8	11137.45
load	R5-12-47-5_load_15	constant_power_C	39605.0	18737.7	19802.5	9368.85
load	R5-12-47-5_load_15	constant_power_A_real	44512.8	0.0	22256.4	0.0
load	R5-12-47-5_load_15	constant_power_B_real	47407.6	0.0	23703.8	0.0
load	R5-12-47-5_load_15	constant_power_C_real	39605.0	0.0	19802.5	0.0
load	R5-12-47-5_load_15	constant_power_A_reac	20637.1	0.0	10318.55	0.0
load	R5-12-47-5_load_15	constant_power_B_reac	22274.9	0.0	11137.45	0.0
load	R5-12-47-5_load_15	constant_power_C_reac	18737.7	0.0	9368.85	0.0
load	R5-12-47-5_load_16	constant_power_A	43715.6	20267.5	21857.8	10133.75
load	R5-12-47-5_load_16	constant_power_B	46558.5	21875.9	23279.25	10937.95
load	R5-12-47-5_load_16	constant_power_C	38895.7	18402.1	19447.85	9201.05
load	R5-12-47-5_load_16	constant_power_A_real	43715.6	0.0	21857.8	0.0
load	R5-12-47-5_load_16	constant_power_B_real	46558.5	0.0	23279.25	0.0
load	R5-12-47-5_load_16	constant_power_C_real	38895.7	0.0	19447.85	0.0
load	R5-12-47-5_load_16	constant_power_A_reac	20267.5	0.0	10133.75	0.0
load	R5-12-47-5_load_16	constant_power_B_reac	21875.9	0.0	10937.95	0.0
load	R5-12-47-5_load_16	constant_power_C_reac	18402.1	0.0	9201.05	0.0
load	R5-12-47-5_load_17	constant_power_A	13280.8	6157.26	6640.4	3078.63
load	R5-12-47-5_load_17	constant_power_B	14144.4	6645.89	7072.2	3322.945
load	R5-12-47-5_load_17	constant_power_C	11816.5	5590.54	5908.25	2795.27
load	R5-12-47-5_load_17	constant_power_A_real	13280.8	0.0	6640.4	0.0
load	R5-12-47-5_load_17	constant_power_B_real	14144.4	0.0	7072.2	0.0
load	R5-12-47-5_load_17	constant_power_C_real	11816.5	0.0	5908.25	0.0
load	R5-12-47-5_load_17	constant_power_A_reac	6157.26	0.0	3078.63	0.0
load	R5-12-47-5_load_17	constant_power_B_reac	6645.89	0.0	3322.945	0.0
load	R5-12-47-5_load_17	constant_power_C_reac	5590.54	0.0	2795.27	0.0
load	R5-12-47-5_load_18	constant_power_C	44801.2	21196.1	22400.6	10598.05
load	R5-12-47-5_load_18	constant_power_C_real	44801.2	0.0	22400.6	0.0
load	R5-12-47-5_load_18	constant_power_C_reac	21196.1	0.0	10598.05	0.0
load	R5-12-47-5_load_19	constant_power_C	107107.0	50674.0	53553.5	25337.0
load	R5-12-47-5_load_19	constant_power_C_real	107107.0	0.0	53553.5	0.0
load	R5-12-47-5_load_19	constant_power_C_reac	50674.0	0.0	25337.0	0.0
load	R5-12-47-5_load_20	constant_power_A	20982.6	9728.03	10491.3	4864.015
load	R5-12-47-5_load_20	constant_power_A_real	20982.6	0.0	10491.3	0.0
load	R5-12-47-5_load_20	constant_power_A_reac	9728.03	0.0	4864.015	0.0
load	R5-12-47-5_load_21	constant_power_A	25360.4	11757.7	12680.2	5878.85
load	R5-12-47-5_load_21	constant_power_A_real	25360.4	0.0	12680.2	0.0
load	R5-12-47-5_load_21	constant_power_A_reac	11757.7	0.0	5878.85	0.0
load	R5-12-47-5_load_22	constant_power_B	10160.0	4773.78	5080.0	2386.89
load	R5-12-47-5_load_22	constant_power_B_real	10160.0	0.0	5080.0	0.0
load	R5-12-47-5_load_22	constant_power_B_reac	4773.78	0.0	2386.89	0.0
load	R5-12-47-5_load_23	constant_power_C	58454.2	27655.5	29227.1	13827.75
load	R5-12-47-5_load_23	constant_power_C_real	58454.2	0.0	29227.1	0.0
load	R5-12-47-5_load_23	constant_power_C_reac	27655.5	0.0	13827.75	0.0
load	R5-12-47-5_load_24	constant_power_A	29981.4	13900.1	14990.7	6950.05
load	R5-12-47-5_load_24	constant_power_B	31931.1	15003.1	15965.55	7501.55
load	R5-12-47-5_load_24	constant_power_C	26675.7	12620.7	13337.85	6310.35
load	R5-12-47-5_load_24	constant_power_A_real	29981.4	0.0	14990.7	0.0
load	R5-12-47-5_load_24	constant_power_B_real	31931.1	0.0	15965.55	0.0

Table 38: Validation data for loadfactor taxonomy R5-12470-5 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-12-47-5_load_24	constant_power_C_real	26675.7	0.0	13337.85	0.0
load	R5-12-47-5_load_24	constant_power_A_reac	13900.1	0.0	6950.05	0.0
load	R5-12-47-5_load_24	constant_power_B_reac	15003.1	0.0	7501.55	0.0
load	R5-12-47-5_load_24	constant_power_C_reac	12620.7	0.0	6310.35	0.0
load	R5-12-47-5_load_25	constant_power_A	34902.2	16181.4	17451.1	8090.7
load	R5-12-47-5_load_25	constant_power_B	37171.9	17465.6	18585.95	8732.8
load	R5-12-47-5_load_25	constant_power_C	31054.0	14692.1	15527.0	7346.05
load	R5-12-47-5_load_25	constant_power_A_real	34902.2	0.0	17451.1	0.0
load	R5-12-47-5_load_25	constant_power_B_real	37171.9	0.0	18585.95	0.0
load	R5-12-47-5_load_25	constant_power_C_real	31054.0	0.0	15527.0	0.0
load	R5-12-47-5_load_25	constant_power_A_reac	16181.4	0.0	8090.7	0.0
load	R5-12-47-5_load_25	constant_power_B_reac	17465.6	0.0	8732.8	0.0
load	R5-12-47-5_load_25	constant_power_C_reac	14692.1	0.0	7346.05	0.0
load	R5-12-47-5_load_26	constant_power_C	1192.43	564.157	596.215	282.0785
load	R5-12-47-5_load_26	constant_power_C_real	1192.43	0.0	596.215	0.0
load	R5-12-47-5_load_26	constant_power_C_reac	564.157	0.0	282.0785	0.0
load	R5-12-47-5_load_27	constant_power_C	10193.1	4822.51	5096.55	2411.255
load	R5-12-47-5_load_27	constant_power_C_real	10193.1	0.0	5096.55	0.0
load	R5-12-47-5_load_27	constant_power_C_reac	4822.51	0.0	2411.255	0.0
load	R5-12-47-5_load_28	constant_power_A	36109.7	16741.3	18054.85	8370.65
load	R5-12-47-5_load_28	constant_power_B	38458.0	18069.9	19229.0	9034.95
load	R5-12-47-5_load_28	constant_power_C	32128.4	15200.4	16064.2	7600.2
load	R5-12-47-5_load_28	constant_power_A_real	36109.7	0.0	18054.85	0.0
load	R5-12-47-5_load_28	constant_power_B_real	38458.0	0.0	19229.0	0.0
load	R5-12-47-5_load_28	constant_power_C_real	32128.4	0.0	16064.2	0.0
load	R5-12-47-5_load_28	constant_power_A_reac	16741.3	0.0	8370.65	0.0
load	R5-12-47-5_load_28	constant_power_B_reac	18069.9	0.0	9034.95	0.0
load	R5-12-47-5_load_28	constant_power_C_reac	15200.4	0.0	7600.2	0.0

Table 39: Validation data for loadfactor taxonomy R5-25000-6 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-25-00-1_load_1	constant_power_A	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_1	constant_power_B	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_1	constant_power_C	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_1	constant_power_A_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_1	constant_power_B_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_1	constant_power_C_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_1	constant_power_A_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_1	constant_power_B_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_1	constant_power_C_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_2	constant_power_A	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_2	constant_power_B	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_2	constant_power_C	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_2	constant_power_A_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_2	constant_power_B_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_2	constant_power_C_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_2	constant_power_A_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_2	constant_power_B_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_2	constant_power_C_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_3	constant_power_A	199800.0	96765.4	99900.0	48382.7
load	R5-25-00-1_load_3	constant_power_B	199800.0	96765.4	99900.0	48382.7
load	R5-25-00-1_load_3	constant_power_C	199800.0	96765.4	99900.0	48382.7
load	R5-25-00-1_load_3	constant_power_A_real	199800.0	0.0	99900.0	0.0
load	R5-25-00-1_load_3	constant_power_B_real	199800.0	0.0	99900.0	0.0
load	R5-25-00-1_load_3	constant_power_C_real	199800.0	0.0	99900.0	0.0
load	R5-25-00-1_load_3	constant_power_A_reac	96765.4	0.0	48382.7	0.0
load	R5-25-00-1_load_3	constant_power_B_reac	96765.4	0.0	48382.7	0.0
load	R5-25-00-1_load_3	constant_power_C_reac	96765.4	0.0	48382.7	0.0
load	R5-25-00-1_load_4	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	R5-25-00-1_load_4	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	R5-25-00-1_load_4	constant_power_C	20000.0	10000.0	10000.0	5000.0

Table 39: Validation data for loadfactor taxonomy R5-25000-6 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-25-00-1_load_4	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_4	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_4	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_4	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_4	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_4	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_5	constant_power_A	30000.0	15000.0	15000.0	7500.0
load	R5-25-00-1_load_5	constant_power_B	30000.0	15000.0	15000.0	7500.0
load	R5-25-00-1_load_5	constant_power_C	30000.0	15000.0	15000.0	7500.0
load	R5-25-00-1_load_5	constant_power_A_real	30000.0	0.0	15000.0	0.0
load	R5-25-00-1_load_5	constant_power_B_real	30000.0	0.0	15000.0	0.0
load	R5-25-00-1_load_5	constant_power_C_real	30000.0	0.0	15000.0	0.0
load	R5-25-00-1_load_5	constant_power_A_reac	15000.0	0.0	7500.0	0.0
load	R5-25-00-1_load_5	constant_power_B_reac	15000.0	0.0	7500.0	0.0
load	R5-25-00-1_load_5	constant_power_C_reac	15000.0	0.0	7500.0	0.0
load	R5-25-00-1_load_6	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	R5-25-00-1_load_6	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	R5-25-00-1_load_6	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_7	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	R5-25-00-1_load_7	constant_power_B	20000.0	10000.0	10000.0	5000.0
load	R5-25-00-1_load_7	constant_power_C	20000.0	10000.0	10000.0	5000.0
load	R5-25-00-1_load_7	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_7	constant_power_B_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_7	constant_power_C_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_7	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_7	constant_power_B_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_7	constant_power_C_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_8	constant_power_A	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_8	constant_power_B	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_8	constant_power_C	70000.0	35000.0	35000.0	17500.0
load	R5-25-00-1_load_8	constant_power_A_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_8	constant_power_B_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_8	constant_power_C_real	70000.0	0.0	35000.0	0.0
load	R5-25-00-1_load_8	constant_power_A_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_8	constant_power_B_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_8	constant_power_C_reac	35000.0	0.0	17500.0	0.0
load	R5-25-00-1_load_9	constant_power_A	100000.0	50000.0	50000.0	25000.0
load	R5-25-00-1_load_9	constant_power_B	100000.0	50000.0	50000.0	25000.0
load	R5-25-00-1_load_9	constant_power_C	100000.0	50000.0	50000.0	25000.0
load	R5-25-00-1_load_9	constant_power_A_real	100000.0	0.0	50000.0	0.0
load	R5-25-00-1_load_9	constant_power_B_real	100000.0	0.0	50000.0	0.0
load	R5-25-00-1_load_9	constant_power_C_real	100000.0	0.0	50000.0	0.0
load	R5-25-00-1_load_9	constant_power_A_reac	50000.0	0.0	25000.0	0.0
load	R5-25-00-1_load_9	constant_power_B_reac	50000.0	0.0	25000.0	0.0
load	R5-25-00-1_load_9	constant_power_C_reac	50000.0	0.0	25000.0	0.0
load	R5-25-00-1_load_10	constant_power_A	30000.0	15000.0	15000.0	7500.0
load	R5-25-00-1_load_10	constant_power_B	30000.0	15000.0	15000.0	7500.0
load	R5-25-00-1_load_10	constant_power_C	30000.0	15000.0	15000.0	7500.0
load	R5-25-00-1_load_10	constant_power_A_real	30000.0	0.0	15000.0	0.0
load	R5-25-00-1_load_10	constant_power_B_real	30000.0	0.0	15000.0	0.0
load	R5-25-00-1_load_10	constant_power_C_real	30000.0	0.0	15000.0	0.0
load	R5-25-00-1_load_10	constant_power_A_reac	15000.0	0.0	7500.0	0.0
load	R5-25-00-1_load_10	constant_power_B_reac	15000.0	0.0	7500.0	0.0
load	R5-25-00-1_load_10	constant_power_C_reac	15000.0	0.0	7500.0	0.0
load	R5-25-00-1_load_11	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	R5-25-00-1_load_11	constant_power_B	40000.0	20000.0	20000.0	10000.0
load	R5-25-00-1_load_11	constant_power_C	40000.0	20000.0	20000.0	10000.0
load	R5-25-00-1_load_11	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	R5-25-00-1_load_11	constant_power_B_real	40000.0	0.0	20000.0	0.0
load	R5-25-00-1_load_11	constant_power_C_real	40000.0	0.0	20000.0	0.0
load	R5-25-00-1_load_11	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_11	constant_power_B_reac	20000.0	0.0	10000.0	0.0

Table 39: Validation data for loadfactor taxonomy R5-25000-6 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-25-00-1_load_11	constant_power_C_reac	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_12	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	R5-25-00-1_load_12	constant_power_B	10000.0	5000.0	5000.0	2500.0
load	R5-25-00-1_load_12	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_12	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_12	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_12	constant_power_B_reac	5000.0	0.0	2500.0	0.0
load	R5-25-00-1_load_13	constant_power_A	20000.0	10000.0	10000.0	5000.0
load	R5-25-00-1_load_13	constant_power_B	10000.0	5000.0	5000.0	2500.0
load	R5-25-00-1_load_13	constant_power_A_real	20000.0	0.0	10000.0	0.0
load	R5-25-00-1_load_13	constant_power_B_real	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_13	constant_power_A_reac	10000.0	0.0	5000.0	0.0
load	R5-25-00-1_load_13	constant_power_B_reac	5000.0	0.0	2500.0	0.0
load	R5-25-00-1_load_14	constant_power_C	30000.0	15000.0	15000.0	7500.0
load	R5-25-00-1_load_14	constant_power_C_real	30000.0	0.0	15000.0	0.0
load	R5-25-00-1_load_14	constant_power_C_reac	15000.0	0.0	7500.0	0.0

Table 40: Validation data for loadfactor taxonomy R5-35000-7 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-35-00-1_load_1	constant_power_A	108400.0	29900.0	54200.0	14950.0
load	R5-35-00-1_load_1	constant_power_B	108400.0	29900.0	54200.0	14950.0
load	R5-35-00-1_load_1	constant_power_C	108400.0	29900.0	54200.0	14950.0
load	R5-35-00-1_load_1	constant_power_A_real	108400.0	0.0	54200.0	0.0
load	R5-35-00-1_load_1	constant_power_B_real	108400.0	0.0	54200.0	0.0
load	R5-35-00-1_load_1	constant_power_C_real	108400.0	0.0	54200.0	0.0
load	R5-35-00-1_load_1	constant_power_A_reac	29900.0	0.0	14950.0	0.0
load	R5-35-00-1_load_1	constant_power_B_reac	29900.0	0.0	14950.0	0.0
load	R5-35-00-1_load_1	constant_power_C_reac	29900.0	0.0	14950.0	0.0
load	R5-35-00-1_load_2	constant_power_A	5300.0	3300.0	2650.0	1650.0
load	R5-35-00-1_load_2	constant_power_B	5300.0	3300.0	2650.0	1650.0
load	R5-35-00-1_load_2	constant_power_C	5300.0	3300.0	2650.0	1650.0
load	R5-35-00-1_load_2	constant_power_A_real	5300.0	0.0	2650.0	0.0
load	R5-35-00-1_load_2	constant_power_B_real	5300.0	0.0	2650.0	0.0
load	R5-35-00-1_load_2	constant_power_C_real	5300.0	0.0	2650.0	0.0
load	R5-35-00-1_load_2	constant_power_A_reac	3300.0	0.0	1650.0	0.0
load	R5-35-00-1_load_2	constant_power_B_reac	3300.0	0.0	1650.0	0.0
load	R5-35-00-1_load_2	constant_power_C_reac	3300.0	0.0	1650.0	0.0
load	R5-35-00-1_load_3	constant_power_A	14900.0	9300.0	7450.0	4650.0
load	R5-35-00-1_load_3	constant_power_B	14900.0	9300.0	7450.0	4650.0
load	R5-35-00-1_load_3	constant_power_C	14900.0	9300.0	7450.0	4650.0
load	R5-35-00-1_load_3	constant_power_A_real	14900.0	0.0	7450.0	0.0
load	R5-35-00-1_load_3	constant_power_B_real	14900.0	0.0	7450.0	0.0
load	R5-35-00-1_load_3	constant_power_C_real	14900.0	0.0	7450.0	0.0
load	R5-35-00-1_load_3	constant_power_A_reac	9300.0	0.0	4650.0	0.0
load	R5-35-00-1_load_3	constant_power_B_reac	9300.0	0.0	4650.0	0.0
load	R5-35-00-1_load_3	constant_power_C_reac	9300.0	0.0	4650.0	0.0
load	R5-35-00-1_load_4	constant_power_A	126900.0	78700.0	63450.0	39350.0
load	R5-35-00-1_load_4	constant_power_B	126900.0	78700.0	63450.0	39350.0
load	R5-35-00-1_load_4	constant_power_C	126900.0	78700.0	63450.0	39350.0
load	R5-35-00-1_load_4	constant_power_A_real	126900.0	0.0	63450.0	0.0
load	R5-35-00-1_load_4	constant_power_B_real	126900.0	0.0	63450.0	0.0
load	R5-35-00-1_load_4	constant_power_C_real	126900.0	0.0	63450.0	0.0
load	R5-35-00-1_load_4	constant_power_A_reac	78700.0	0.0	39350.0	0.0
load	R5-35-00-1_load_4	constant_power_B_reac	78700.0	0.0	39350.0	0.0
load	R5-35-00-1_load_4	constant_power_C_reac	78700.0	0.0	39350.0	0.0
load	R5-35-00-1_load_5	constant_power_A	33300.0	16650.0	16650.0	8325.0
load	R5-35-00-1_load_5	constant_power_B	33300.0	16650.0	16650.0	8325.0
load	R5-35-00-1_load_5	constant_power_C	33300.0	16650.0	16650.0	8325.0
load	R5-35-00-1_load_5	constant_power_A_real	33300.0	0.0	16650.0	0.0
load	R5-35-00-1_load_5	constant_power_B_real	33300.0	0.0	16650.0	0.0
load	R5-35-00-1_load_5	constant_power_C_real	33300.0	0.0	16650.0	0.0

Table 40: Validation data for loadfactor taxonomy R5-35000-7 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-35-00-1_load_5	constant_power_A_reac	16650.0	0.0	8325.0	0.0
load	R5-35-00-1_load_5	constant_power_B_reac	16650.0	0.0	8325.0	0.0
load	R5-35-00-1_load_5	constant_power_C_reac	16650.0	0.0	8325.0	0.0
load	R5-35-00-1_load_6	constant_power_A	14700.0	9100.0	7350.0	4550.0
load	R5-35-00-1_load_6	constant_power_B	14700.0	9100.0	7350.0	4550.0
load	R5-35-00-1_load_6	constant_power_C	14700.0	9100.0	7350.0	4550.0
load	R5-35-00-1_load_6	constant_power_A_real	14700.0	0.0	7350.0	0.0
load	R5-35-00-1_load_6	constant_power_B_real	14700.0	0.0	7350.0	0.0
load	R5-35-00-1_load_6	constant_power_C_real	14700.0	0.0	7350.0	0.0
load	R5-35-00-1_load_6	constant_power_A_reac	9100.0	0.0	4550.0	0.0
load	R5-35-00-1_load_6	constant_power_B_reac	9100.0	0.0	4550.0	0.0
load	R5-35-00-1_load_6	constant_power_C_reac	9100.0	0.0	4550.0	0.0
load	R5-35-00-1_load_7	constant_power_A	30300.0	18800.0	15150.0	9400.0
load	R5-35-00-1_load_7	constant_power_B	30300.0	18800.0	15150.0	9400.0
load	R5-35-00-1_load_7	constant_power_C	30300.0	18800.0	15150.0	9400.0
load	R5-35-00-1_load_7	constant_power_A_real	30300.0	0.0	15150.0	0.0
load	R5-35-00-1_load_7	constant_power_B_real	30300.0	0.0	15150.0	0.0
load	R5-35-00-1_load_7	constant_power_C_real	30300.0	0.0	15150.0	0.0
load	R5-35-00-1_load_7	constant_power_A_reac	18800.0	0.0	9400.0	0.0
load	R5-35-00-1_load_7	constant_power_B_reac	18800.0	0.0	9400.0	0.0
load	R5-35-00-1_load_7	constant_power_C_reac	18800.0	0.0	9400.0	0.0
load	R5-35-00-1_load_8	constant_power_A	5586.0	3528.0	2793.0	1764.0
load	R5-35-00-1_load_8	constant_power_B	5586.0	3528.0	2793.0	1764.0
load	R5-35-00-1_load_8	constant_power_C	5586.0	3528.0	2793.0	1764.0
load	R5-35-00-1_load_8	constant_power_A_real	5586.0	0.0	2793.0	0.0
load	R5-35-00-1_load_8	constant_power_B_real	5586.0	0.0	2793.0	0.0
load	R5-35-00-1_load_8	constant_power_C_real	5586.0	0.0	2793.0	0.0
load	R5-35-00-1_load_8	constant_power_A_reac	3528.0	0.0	1764.0	0.0
load	R5-35-00-1_load_8	constant_power_B_reac	3528.0	0.0	1764.0	0.0
load	R5-35-00-1_load_8	constant_power_C_reac	3528.0	0.0	1764.0	0.0
load	R5-35-00-1_load_9	constant_power_C	19980.0	9990.0	9990.0	4995.0
load	R5-35-00-1_load_9	constant_power_C_real	19980.0	0.0	9990.0	0.0
load	R5-35-00-1_load_9	constant_power_C_reac	9990.0	0.0	4995.0	0.0
load	R5-35-00-1_load_10	constant_power_C	13320.0	6660.0	6660.0	3330.0
load	R5-35-00-1_load_10	constant_power_C_real	13320.0	0.0	6660.0	0.0
load	R5-35-00-1_load_10	constant_power_C_reac	6660.0	0.0	3330.0	0.0
load	R5-35-00-1_load_11	constant_power_C	200.0	100.0	100.0	50.0
load	R5-35-00-1_load_11	constant_power_C_real	200.0	0.0	100.0	0.0
load	R5-35-00-1_load_11	constant_power_C_reac	100.0	0.0	50.0	0.0
load	R5-35-00-1_load_12	constant_power_C	200.0	100.0	100.0	50.0
load	R5-35-00-1_load_12	constant_power_C_real	200.0	0.0	100.0	0.0
load	R5-35-00-1_load_12	constant_power_C_reac	100.0	0.0	50.0	0.0
load	R5-35-00-1_load_13	constant_power_C	45.0	27.0	22.5	13.5
load	R5-35-00-1_load_13	constant_power_C_real	45.0	0.0	22.5	0.0
load	R5-35-00-1_load_13	constant_power_C_reac	27.0	0.0	13.5	0.0
load	R5-35-00-1_load_14	constant_power_C	6660.0	3330.0	3330.0	1665.0
load	R5-35-00-1_load_14	constant_power_C_real	6660.0	0.0	3330.0	0.0
load	R5-35-00-1_load_14	constant_power_C_reac	3330.0	0.0	1665.0	0.0
load	R5-35-00-1_load_15	constant_power_A	98000.0	60800.0	49000.0	30400.0
load	R5-35-00-1_load_15	constant_power_B	98000.0	60800.0	49000.0	30400.0
load	R5-35-00-1_load_15	constant_power_C	98000.0	60800.0	49000.0	30400.0
load	R5-35-00-1_load_15	constant_power_A_real	98000.0	0.0	49000.0	0.0
load	R5-35-00-1_load_15	constant_power_B_real	98000.0	0.0	49000.0	0.0
load	R5-35-00-1_load_15	constant_power_C_real	98000.0	0.0	49000.0	0.0
load	R5-35-00-1_load_15	constant_power_A_reac	60800.0	0.0	30400.0	0.0
load	R5-35-00-1_load_15	constant_power_B_reac	60800.0	0.0	30400.0	0.0
load	R5-35-00-1_load_15	constant_power_C_reac	60800.0	0.0	30400.0	0.0
load	R5-35-00-1_load_16	constant_power_A	6800.0	4200.0	3400.0	2100.0
load	R5-35-00-1_load_16	constant_power_B	6800.0	4200.0	3400.0	2100.0
load	R5-35-00-1_load_16	constant_power_C	6800.0	4200.0	3400.0	2100.0
load	R5-35-00-1_load_16	constant_power_A_real	6800.0	0.0	3400.0	0.0
load	R5-35-00-1_load_16	constant_power_B_real	6800.0	0.0	3400.0	0.0

Table 40: Validation data for loadfactor taxonomy R5-35000-7 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-35-00-1_load_16	constant_power_C_real	6800.0	0.0	3400.0	0.0
load	R5-35-00-1_load_16	constant_power_A_reac	4200.0	0.0	2100.0	0.0
load	R5-35-00-1_load_16	constant_power_B_reac	4200.0	0.0	2100.0	0.0
load	R5-35-00-1_load_16	constant_power_C_reac	4200.0	0.0	2100.0	0.0
load	R5-35-00-1_load_17	constant_power_A	1220.0	648.0	610.0	324.0
load	R5-35-00-1_load_17	constant_power_A_real	1220.0	0.0	610.0	0.0
load	R5-35-00-1_load_17	constant_power_A_reac	648.0	0.0	324.0	0.0
load	R5-35-00-1_load_18	constant_power_A	22200.0	13800.0	11100.0	6900.0
load	R5-35-00-1_load_18	constant_power_B	22200.0	13800.0	11100.0	6900.0
load	R5-35-00-1_load_18	constant_power_C	22200.0	13800.0	11100.0	6900.0
load	R5-35-00-1_load_18	constant_power_A_real	22200.0	0.0	11100.0	0.0
load	R5-35-00-1_load_18	constant_power_B_real	22200.0	0.0	11100.0	0.0
load	R5-35-00-1_load_18	constant_power_C_real	22200.0	0.0	11100.0	0.0
load	R5-35-00-1_load_18	constant_power_A_reac	13800.0	0.0	6900.0	0.0
load	R5-35-00-1_load_18	constant_power_B_reac	13800.0	0.0	6900.0	0.0
load	R5-35-00-1_load_18	constant_power_C_reac	13800.0	0.0	6900.0	0.0
load	R5-35-00-1_load_19	constant_power_C	1055.0	598.0	527.5	299.0
load	R5-35-00-1_load_19	constant_power_C_real	1055.0	0.0	527.5	0.0
load	R5-35-00-1_load_19	constant_power_C_reac	598.0	0.0	299.0	0.0
load	R5-35-00-1_load_20	constant_power_A	1006.0	570.0	503.0	285.0
load	R5-35-00-1_load_20	constant_power_A_real	1006.0	0.0	503.0	0.0
load	R5-35-00-1_load_20	constant_power_A_reac	570.0	0.0	285.0	0.0
load	R5-35-00-1_load_21	constant_power_A	1056.0	598.0	528.0	299.0
load	R5-35-00-1_load_21	constant_power_A_real	1056.0	0.0	528.0	0.0
load	R5-35-00-1_load_21	constant_power_A_reac	598.0	0.0	299.0	0.0
load	R5-35-00-1_load_22	constant_power_C	21708.0	13065.0	10854.0	6532.5
load	R5-35-00-1_load_22	constant_power_C_real	21708.0	0.0	10854.0	0.0
load	R5-35-00-1_load_22	constant_power_C_reac	13065.0	0.0	6532.5	0.0
load	R5-35-00-1_load_23	constant_power_A	79920.0	39960.0	39960.0	19980.0
load	R5-35-00-1_load_23	constant_power_A_real	79920.0	0.0	39960.0	0.0
load	R5-35-00-1_load_23	constant_power_A_reac	39960.0	0.0	19980.0	0.0
load	R5-35-00-1_load_24	constant_power_A	283.0	161.0	141.5	80.5
load	R5-35-00-1_load_24	constant_power_A_real	283.0	0.0	141.5	0.0
load	R5-35-00-1_load_24	constant_power_A_reac	161.0	0.0	80.5	0.0
load	R5-35-00-1_load_25	constant_power_A	900.0	600.0	450.0	300.0
load	R5-35-00-1_load_25	constant_power_A_real	900.0	0.0	450.0	0.0
load	R5-35-00-1_load_25	constant_power_A_reac	600.0	0.0	300.0	0.0
load	R5-35-00-1_load_26	constant_power_A	5500.0	3400.0	2750.0	1700.0
load	R5-35-00-1_load_26	constant_power_A_real	5500.0	0.0	2750.0	0.0
load	R5-35-00-1_load_26	constant_power_A_reac	3400.0	0.0	1700.0	0.0
load	R5-35-00-1_load_27	constant_power_A	280100.0	195400.0	140050.0	97700.0
load	R5-35-00-1_load_27	constant_power_B	280100.0	195400.0	140050.0	97700.0
load	R5-35-00-1_load_27	constant_power_C	280100.0	195400.0	140050.0	97700.0
load	R5-35-00-1_load_27	constant_power_A_real	280100.0	0.0	140050.0	0.0
load	R5-35-00-1_load_27	constant_power_B_real	280100.0	0.0	140050.0	0.0
load	R5-35-00-1_load_27	constant_power_C_real	280100.0	0.0	140050.0	0.0
load	R5-35-00-1_load_27	constant_power_A_reac	195400.0	0.0	97700.0	0.0
load	R5-35-00-1_load_27	constant_power_B_reac	195400.0	0.0	97700.0	0.0
load	R5-35-00-1_load_27	constant_power_C_reac	195400.0	0.0	97700.0	0.0
load	R5-35-00-1_load_28	constant_power_A	13320.0	6660.0	6660.0	3330.0
load	R5-35-00-1_load_28	constant_power_B	13320.0	6660.0	6660.0	3330.0
load	R5-35-00-1_load_28	constant_power_C	13320.0	6660.0	6660.0	3330.0
load	R5-35-00-1_load_28	constant_power_A_real	13320.0	0.0	6660.0	0.0
load	R5-35-00-1_load_28	constant_power_B_real	13320.0	0.0	6660.0	0.0
load	R5-35-00-1_load_28	constant_power_C_real	13320.0	0.0	6660.0	0.0
load	R5-35-00-1_load_28	constant_power_A_reac	6660.0	0.0	3330.0	0.0
load	R5-35-00-1_load_28	constant_power_B_reac	6660.0	0.0	3330.0	0.0
load	R5-35-00-1_load_28	constant_power_C_reac	6660.0	0.0	3330.0	0.0
load	R5-35-00-1_load_29	constant_power_A	35400.0	21900.0	17700.0	10950.0
load	R5-35-00-1_load_29	constant_power_B	35400.0	21900.0	17700.0	10950.0
load	R5-35-00-1_load_29	constant_power_C	35400.0	21900.0	17700.0	10950.0
load	R5-35-00-1_load_29	constant_power_A_real	35400.0	0.0	17700.0	0.0

Table 40: Validation data for loadfactor taxonomy R5-35000-7 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-35-00-1_load_29	constant_power_B_real	35400.0	0.0	17700.0	0.0
load	R5-35-00-1_load_29	constant_power_C_real	35400.0	0.0	17700.0	0.0
load	R5-35-00-1_load_29	constant_power_A_reac	21900.0	0.0	10950.0	0.0
load	R5-35-00-1_load_29	constant_power_B_reac	21900.0	0.0	10950.0	0.0
load	R5-35-00-1_load_29	constant_power_C_reac	21900.0	0.0	10950.0	0.0
load	R5-35-00-1_load_30	constant_power_C	3069.0	1760.0	1534.5	880.0
load	R5-35-00-1_load_30	constant_power_C_real	3069.0	0.0	1534.5	0.0
load	R5-35-00-1_load_30	constant_power_C_reac	1760.0	0.0	880.0	0.0
load	R5-35-00-1_load_31	constant_power_C	1704.0	836.0	852.0	418.0
load	R5-35-00-1_load_31	constant_power_C_real	1704.0	0.0	852.0	0.0
load	R5-35-00-1_load_31	constant_power_C_reac	836.0	0.0	418.0	0.0
load	R5-35-00-1_load_32	constant_power_B	1176.0	669.0	588.0	334.5
load	R5-35-00-1_load_32	constant_power_B_real	1176.0	0.0	588.0	0.0
load	R5-35-00-1_load_32	constant_power_B_reac	669.0	0.0	334.5	0.0
load	R5-35-00-1_load_33	constant_power_B	413.0	201.0	206.5	100.5
load	R5-35-00-1_load_33	constant_power_B_real	413.0	0.0	206.5	0.0
load	R5-35-00-1_load_33	constant_power_B_reac	201.0	0.0	100.5	0.0
load	R5-35-00-1_load_34	constant_power_A	4000.0	2500.0	2000.0	1250.0
load	R5-35-00-1_load_34	constant_power_A_real	4000.0	0.0	2000.0	0.0
load	R5-35-00-1_load_34	constant_power_A_reac	2500.0	0.0	1250.0	0.0
load	R5-35-00-1_load_35	constant_power_B	26640.0	13320.0	13320.0	6660.0
load	R5-35-00-1_load_35	constant_power_B_real	26640.0	0.0	13320.0	0.0
load	R5-35-00-1_load_35	constant_power_B_reac	13320.0	0.0	6660.0	0.0
load	R5-35-00-1_load_36	constant_power_C	402.0	228.0	201.0	114.0
load	R5-35-00-1_load_36	constant_power_C_real	402.0	0.0	201.0	0.0
load	R5-35-00-1_load_36	constant_power_C_reac	228.0	0.0	114.0	0.0
load	R5-35-00-1_load_37	constant_power_C	7630.0	4480.0	3815.0	2240.0
load	R5-35-00-1_load_37	constant_power_C_real	7630.0	0.0	3815.0	0.0
load	R5-35-00-1_load_37	constant_power_C_reac	4480.0	0.0	2240.0	0.0
load	R5-35-00-1_load_38	constant_power_A	40000.0	20000.0	20000.0	10000.0
load	R5-35-00-1_load_38	constant_power_A_real	40000.0	0.0	20000.0	0.0
load	R5-35-00-1_load_38	constant_power_A_reac	20000.0	0.0	10000.0	0.0
load	R5-35-00-1_load_39	constant_power_A	2500.0	1500.0	1250.0	750.0
load	R5-35-00-1_load_39	constant_power_A_real	2500.0	0.0	1250.0	0.0
load	R5-35-00-1_load_39	constant_power_A_reac	1500.0	0.0	750.0	0.0
load	R5-35-00-1_load_40	constant_power_A	18700.0	11600.0	9350.0	5800.0
load	R5-35-00-1_load_40	constant_power_B	18700.0	11600.0	9350.0	5800.0
load	R5-35-00-1_load_40	constant_power_C	18700.0	11600.0	9350.0	5800.0
load	R5-35-00-1_load_40	constant_power_A_real	18700.0	0.0	9350.0	0.0
load	R5-35-00-1_load_40	constant_power_B_real	18700.0	0.0	9350.0	0.0
load	R5-35-00-1_load_40	constant_power_C_real	18700.0	0.0	9350.0	0.0
load	R5-35-00-1_load_40	constant_power_A_reac	11600.0	0.0	5800.0	0.0
load	R5-35-00-1_load_40	constant_power_B_reac	11600.0	0.0	5800.0	0.0
load	R5-35-00-1_load_40	constant_power_C_reac	11600.0	0.0	5800.0	0.0
load	R5-35-00-1_load_41	constant_power_A	10800.0	6700.0	5400.0	3350.0
load	R5-35-00-1_load_41	constant_power_B	10800.0	6700.0	5400.0	3350.0
load	R5-35-00-1_load_41	constant_power_C	10800.0	6700.0	5400.0	3350.0
load	R5-35-00-1_load_41	constant_power_A_real	10800.0	0.0	5400.0	0.0
load	R5-35-00-1_load_41	constant_power_B_real	10800.0	0.0	5400.0	0.0
load	R5-35-00-1_load_41	constant_power_C_real	10800.0	0.0	5400.0	0.0
load	R5-35-00-1_load_41	constant_power_A_reac	6700.0	0.0	3350.0	0.0
load	R5-35-00-1_load_41	constant_power_B_reac	6700.0	0.0	3350.0	0.0
load	R5-35-00-1_load_41	constant_power_C_reac	6700.0	0.0	3350.0	0.0
load	R5-35-00-1_load_42	constant_power_A	23700.0	14700.0	11850.0	7350.0
load	R5-35-00-1_load_42	constant_power_B	23700.0	14700.0	11850.0	7350.0
load	R5-35-00-1_load_42	constant_power_C	23700.0	14700.0	11850.0	7350.0
load	R5-35-00-1_load_42	constant_power_A_real	23700.0	0.0	11850.0	0.0
load	R5-35-00-1_load_42	constant_power_B_real	23700.0	0.0	11850.0	0.0
load	R5-35-00-1_load_42	constant_power_C_real	23700.0	0.0	11850.0	0.0
load	R5-35-00-1_load_42	constant_power_A_reac	14700.0	0.0	7350.0	0.0
load	R5-35-00-1_load_42	constant_power_B_reac	14700.0	0.0	7350.0	0.0
load	R5-35-00-1_load_42	constant_power_C_reac	14700.0	0.0	7350.0	0.0

Table 40: Validation data for loadfactor taxonomy R5-35000-7 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	R5-35-00-1_load_43	constant_power_C	97500.0	60400.0	48750.0	30200.0
load	R5-35-00-1_load_43	constant_power_C_real	97500.0	0.0	48750.0	0.0
load	R5-35-00-1_load_43	constant_power_C_reac	60400.0	0.0	30200.0	0.0
load	R5-35-00-1_load_44	constant_power_C	66500.0	41200.0	33250.0	20600.0
load	R5-35-00-1_load_44	constant_power_C_real	66500.0	0.0	33250.0	0.0
load	R5-35-00-1_load_44	constant_power_C_reac	41200.0	0.0	20600.0	0.0
load	R5-35-00-1_load_45	constant_power_C	6381.0	3606.0	3190.5	1803.0
load	R5-35-00-1_load_45	constant_power_C_real	6381.0	0.0	3190.5	0.0
load	R5-35-00-1_load_45	constant_power_C_reac	3606.0	0.0	1803.0	0.0
load	R5-35-00-1_load_46	constant_power_C	910.0	518.0	455.0	259.0
load	R5-35-00-1_load_46	constant_power_C_real	910.0	0.0	455.0	0.0
load	R5-35-00-1_load_46	constant_power_C_reac	518.0	0.0	259.0	0.0
load	R5-35-00-1_load_47	constant_power_C	1545.0	879.0	772.5	439.5
load	R5-35-00-1_load_47	constant_power_C_real	1545.0	0.0	772.5	0.0
load	R5-35-00-1_load_47	constant_power_C_reac	879.0	0.0	439.5	0.0

3 ICA Analysis Template

The `ica_analysis` template allows Integration Capacity Analysys (ICA) to be performed on reference models.

Table 41: Validation data for ica_analysis IEEE 123 solar_capacity

load	solar_capacity[kW]
substation_meter	7.6

Table 42: Validation data for ica.analysis IEEE 13 solar_capacity

load	solar_capacity[kW]
Load634	210.0

Table 43: Validation data for ica_analysis IEEE 342 solar_capacity

load	solar_capacity[kW]
P1	30.0

Table 44: Validation data for ica_analysis IEEE 37 solar_capacity

load	solar_capacity[kW]
801.0	3460.0
812.0	3040.0
813.0	3040.0
814.0	3030.0
818.0	3030.0
820.0	3040.0
822.0	3030.0
824.0	3030.0
825.0	3040.0
827.0	2550.0
828.0	2850.0
829.0	2880.0
830.0	2850.0
831.0	2880.0
832.0	2580.0
833.0	2880.0
834.0	2580.0
835.0	2640.0
836.0	3030.0

Table 44: Validation data for ica_analysis IEEE 8500 solar_capacity

load	solar_capacity[kW]
837.0	2910.0
838.0	2940.0
840.0	2670.0
841.0	2940.0
842.0	2910.0
844.0	2880.0

Table 45: Validation data for ica_analysis IEEE 8500 solar_capacity

load	solar_capacity[kW]
substation_meter	30.1

Table 46: Validation data for ica_analysis IEEE 123 violation_details

objname	propname	timestamp	real	reactive	violation
substation_meter	measured_voltage_A	2020-07-01 00:00:00 PDT	7598.2	1000.0	NONE

Table 47: Validation data for ica_analysis IEEE 13 violation_details

objname	propname	timestamp	real	reactive	violation
Load634	constant_power_A	2020-07-01 00:00:00 PDT	60000.0	41250.0	NONE
Load634	constant_power_B	2020-07-01 00:00:00 PDT	60000.0	45000.0	NONE
Load634	constant_power_C	2020-07-01 00:00:00 PDT	60000.0	45000.0	NONE
Load634	measured_voltage_A	2020-07-01 00:00:00 PDT	9729.5	1014.1	NONE
Load634	measured_voltage_B	2020-07-01 00:00:00 PDT	10137.4	1216.9	NONE
Load634	measured_voltage_C	2020-07-01 00:00:00 PDT	10128.5	753.2	NONE

Table 48: Validation data for ica_analysis IEEE 342 violation_details

objname	propname	timestamp	real	reactive	violation
P1	measured_voltage_A	2020-07-01 00:00:00 PDT	10000.0	1000.0	NONE
P1	measured_voltage_B	2020-07-01 00:00:00 PDT	10000.0	1000.0	NONE
P1	measured_voltage_C	2020-07-01 00:00:00 PDT	10000.0	1000.0	NONE

Table 49: Validation data for ica_analysis IEEE 37 violation_details

objname	propname	timestamp	real	reactive	violation
801	constant_power_A	2020-07-01 00:00:00 PDT	1140000.0	570000.0	POWERLIMIT
801	constant_power_B	2020-07-01 00:00:00 PDT	1140000.0	570000.0	POWERLIMIT
801	constant_power_C	2020-07-01 00:00:00 PDT	1150000.0	575000.0	NONE
801	measured_voltage_A	2020-07-01 00:00:00 PDT	7471.0	2414.6	NONE
801	measured_voltage_B	2020-07-01 00:00:00 PDT	12497.4	2439.0	NONE
801	measured_voltage_C	2020-07-01 00:00:00 PDT	10032.0	-1853.6	NONE
812	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
812	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
812	constant_power_C	2020-07-01 00:00:00 PDT	1010000.0	475294.1	NONE
812	measured_voltage_A	2020-07-01 00:00:00 PDT	7398.2	2450.2	NONE
812	measured_voltage_B	2020-07-01 00:00:00 PDT	12523.5	2494.1	NONE
812	measured_voltage_C	2020-07-01 00:00:00 PDT	10079.9	-1942.0	NONE
813	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
813	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
813	constant_power_C	2020-07-01 00:00:00 PDT	1010000.0	475294.1	NONE
813	measured_voltage_A	2020-07-01 00:00:00 PDT	7400.2	2454.9	NONE
813	measured_voltage_B	2020-07-01 00:00:00 PDT	12483.8	2466.4	NONE
813	measured_voltage_C	2020-07-01 00:00:00 PDT	10116.9	-1919.9	NONE
814	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
814	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT

Table 49: Validation data for ica_analysis IEEE 37 violation_details

(cont.)

objname	propname	timestamp	real	reactive	violation
814	constant_power_C	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
814	measured_voltage_A	2020-07-01 00:00:00 PDT	7314.9	2477.8	NONE
814	measured_voltage_B	2020-07-01 00:00:00 PDT	12500.1	2492.0	NONE
814	measured_voltage_C	2020-07-01 00:00:00 PDT	10186.5	-1967.1	NONE
818	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
818	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
818	constant_power_C	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
818	measured_voltage_A	2020-07-01 00:00:00 PDT	7267.2	2492.7	NONE
818	measured_voltage_B	2020-07-01 00:00:00 PDT	12534.5	2527.2	NONE
818	measured_voltage_C	2020-07-01 00:00:00 PDT	10200.4	-2016.1	NONE
820	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
820	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
820	constant_power_C	2020-07-01 00:00:00 PDT	1010000.0	475294.1	NONE
820	measured_voltage_A	2020-07-01 00:00:00 PDT	7289.8	2510.7	NONE
820	measured_voltage_B	2020-07-01 00:00:00 PDT	12516.3	2516.8	NONE
820	measured_voltage_C	2020-07-01 00:00:00 PDT	10196.2	-2023.6	NONE
822	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
822	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
822	constant_power_C	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
822	measured_voltage_A	2020-07-01 00:00:00 PDT	7106.7	2574.3	NONE
822	measured_voltage_B	2020-07-01 00:00:00 PDT	12573.8	2576.0	NONE
822	measured_voltage_C	2020-07-01 00:00:00 PDT	10322.8	-2144.4	NONE
824	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
824	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
824	constant_power_C	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
824	measured_voltage_A	2020-07-01 00:00:00 PDT	7049.0	2590.3	NONE
824	measured_voltage_B	2020-07-01 00:00:00 PDT	12614.8	2614.4	NONE
824	measured_voltage_C	2020-07-01 00:00:00 PDT	10340.3	-2197.3	NONE
825	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
825	constant_power_B	2020-07-01 00:00:00 PDT	1010000.0	505000.0	NONE
825	constant_power_C	2020-07-01 00:00:00 PDT	1000000.0	100000.0	POWERLIMIT
825	measured_voltage_A	2020-07-01 00:00:00 PDT	7149.3	2562.9	NONE
825	measured_voltage_B	2020-07-01 00:00:00 PDT	12600.9	2560.9	NONE
825	measured_voltage_C	2020-07-01 00:00:00 PDT	10255.1	-2118.3	NONE
827	constant_power_A	2020-07-01 00:00:00 PDT	840000.0	84000.0	NONE
827	constant_power_B	2020-07-01 00:00:00 PDT	840000.0	84000.0	NONE
827	constant_power_C	2020-07-01 00:00:00 PDT	840000.0	420000.0	NONE
827	measured_voltage_A	2020-07-01 00:00:00 PDT	7340.4	2512.1	NONE
827	measured_voltage_B	2020-07-01 00:00:00 PDT	12485.7	2515.8	NONE
827	measured_voltage_C	2020-07-01 00:00:00 PDT	10175.8	-2025.9	NONE
828	constant_power_A	2020-07-01 00:00:00 PDT	940000.0	470000.0	NONE
828	constant_power_B	2020-07-01 00:00:00 PDT	940000.0	470000.0	NONE
828	constant_power_C	2020-07-01 00:00:00 PDT	940000.0	470000.0	NONE
828	measured_voltage_A	2020-07-01 00:00:00 PDT	7285.7	2555.0	NONE
828	measured_voltage_B	2020-07-01 00:00:00 PDT	12561.4	2527.2	NONE
828	measured_voltage_C	2020-07-01 00:00:00 PDT	10156.6	-2080.4	NONE
829	constant_power_A	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
829	constant_power_B	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
829	constant_power_C	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
829	measured_voltage_A	2020-07-01 00:00:00 PDT	7278.7	2494.8	NONE
829	measured_voltage_B	2020-07-01 00:00:00 PDT	12515.6	2557.5	NONE
829	measured_voltage_C	2020-07-01 00:00:00 PDT	10208.5	-2048.9	NONE
830	constant_power_A	2020-07-01 00:00:00 PDT	940000.0	94000.0	NONE
830	constant_power_B	2020-07-01 00:00:00 PDT	940000.0	94000.0	NONE
830	constant_power_C	2020-07-01 00:00:00 PDT	940000.0	94000.0	NONE
830	measured_voltage_A	2020-07-01 00:00:00 PDT	7318.6	2475.2	NONE
830	measured_voltage_B	2020-07-01 00:00:00 PDT	12484.8	2536.3	NONE
830	measured_voltage_C	2020-07-01 00:00:00 PDT	10199.0	-2008.7	NONE
831	constant_power_A	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
831	constant_power_B	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
831	constant_power_C	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
831	measured_voltage_A	2020-07-01 00:00:00 PDT	7276.7	2475.8	NONE

Table 49: Validation data for ica_analysis IEEE 37 violation_details

(cont.)

objname	propname	timestamp	real	reactive	violation
831	measured_voltage_B	2020-07-01 00:00:00 PDT	12505.2	2568.9	NONE
831	measured_voltage_C	2020-07-01 00:00:00 PDT	10221.4	-2040.4	NONE
832	constant_power_A	2020-07-01 00:00:00 PDT	850000.0	85000.0	NONE
832	constant_power_B	2020-07-01 00:00:00 PDT	850000.0	85000.0	NONE
832	constant_power_C	2020-07-01 00:00:00 PDT	850000.0	425000.0	NONE
832	measured_voltage_A	2020-07-01 00:00:00 PDT	7304.0	2516.3	NONE
832	measured_voltage_B	2020-07-01 00:00:00 PDT	12507.8	2563.2	NONE
832	measured_voltage_C	2020-07-01 00:00:00 PDT	10190.9	-2075.4	NONE
833	constant_power_A	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
833	constant_power_B	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
833	constant_power_C	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
833	measured_voltage_A	2020-07-01 00:00:00 PDT	7286.0	2468.5	NONE
833	measured_voltage_B	2020-07-01 00:00:00 PDT	12498.9	2574.4	NONE
833	measured_voltage_C	2020-07-01 00:00:00 PDT	10218.1	-2038.3	NONE
834	constant_power_A	2020-07-01 00:00:00 PDT	850000.0	85000.0	NONE
834	constant_power_B	2020-07-01 00:00:00 PDT	850000.0	85000.0	NONE
834	constant_power_C	2020-07-01 00:00:00 PDT	850000.0	425000.0	NONE
834	measured_voltage_A	2020-07-01 00:00:00 PDT	7300.7	2507.6	NONE
834	measured_voltage_B	2020-07-01 00:00:00 PDT	12501.8	2579.7	NONE
834	measured_voltage_C	2020-07-01 00:00:00 PDT	10200.5	-2082.0	NONE
835	constant_power_A	2020-07-01 00:00:00 PDT	870000.0	87000.0	NONE
835	constant_power_B	2020-07-01 00:00:00 PDT	870000.0	87000.0	NONE
835	constant_power_C	2020-07-01 00:00:00 PDT	870000.0	409411.8	NONE
835	measured_voltage_A	2020-07-01 00:00:00 PDT	7246.5	2529.1	NONE
835	measured_voltage_B	2020-07-01 00:00:00 PDT	12546.0	2621.4	NONE
835	measured_voltage_C	2020-07-01 00:00:00 PDT	10211.4	-2143.8	NONE
836	constant_power_A	2020-07-01 00:00:00 PDT	1000000.0	100000.0	NONE
836	constant_power_B	2020-07-01 00:00:00 PDT	1000000.0	100000.0	NONE
836	constant_power_C	2020-07-01 00:00:00 PDT	1000000.0	100000.0	NONE
836	measured_voltage_A	2020-07-01 00:00:00 PDT	7091.1	2506.0	NONE
836	measured_voltage_B	2020-07-01 00:00:00 PDT	12627.2	2714.7	NONE
836	measured_voltage_C	2020-07-01 00:00:00 PDT	10287.4	-2210.8	NONE
837	constant_power_A	2020-07-01 00:00:00 PDT	960000.0	96000.0	NONE
837	constant_power_B	2020-07-01 00:00:00 PDT	960000.0	96000.0	NONE
837	constant_power_C	2020-07-01 00:00:00 PDT	960000.0	96000.0	NONE
837	measured_voltage_A	2020-07-01 00:00:00 PDT	7234.0	2463.1	NONE
837	measured_voltage_B	2020-07-01 00:00:00 PDT	12522.3	2628.4	NONE
837	measured_voltage_C	2020-07-01 00:00:00 PDT	10247.7	-2084.4	NONE
838	constant_power_A	2020-07-01 00:00:00 PDT	970000.0	477301.6	NONE
838	constant_power_B	2020-07-01 00:00:00 PDT	970000.0	97000.0	NONE
838	constant_power_C	2020-07-01 00:00:00 PDT	970000.0	97000.0	NONE
838	measured_voltage_A	2020-07-01 00:00:00 PDT	7179.3	2510.5	NONE
838	measured_voltage_B	2020-07-01 00:00:00 PDT	12566.2	2600.6	NONE
838	measured_voltage_C	2020-07-01 00:00:00 PDT	10259.8	-2105.2	NONE
840	constant_power_A	2020-07-01 00:00:00 PDT	880000.0	88000.0	NONE
840	constant_power_B	2020-07-01 00:00:00 PDT	880000.0	88000.0	NONE
840	constant_power_C	2020-07-01 00:00:00 PDT	880000.0	414117.6	NONE
840	measured_voltage_A	2020-07-01 00:00:00 PDT	7226.1	2523.5	NONE
840	measured_voltage_B	2020-07-01 00:00:00 PDT	12546.3	2651.5	NONE
840	measured_voltage_C	2020-07-01 00:00:00 PDT	10232.2	-2166.6	NONE
841	constant_power_A	2020-07-01 00:00:00 PDT	970000.0	97000.0	NONE
841	constant_power_B	2020-07-01 00:00:00 PDT	970000.0	97000.0	NONE
841	constant_power_C	2020-07-01 00:00:00 PDT	970000.0	97000.0	NONE
841	measured_voltage_A	2020-07-01 00:00:00 PDT	7171.0	2462.0	NONE
841	measured_voltage_B	2020-07-01 00:00:00 PDT	12554.4	2680.3	NONE
841	measured_voltage_C	2020-07-01 00:00:00 PDT	10280.1	-2132.7	NONE
842	constant_power_A	2020-07-01 00:00:00 PDT	960000.0	96000.0	NONE
842	constant_power_B	2020-07-01 00:00:00 PDT	960000.0	96000.0	NONE
842	constant_power_C	2020-07-01 00:00:00 PDT	960000.0	96000.0	NONE
842	measured_voltage_A	2020-07-01 00:00:00 PDT	7274.7	2536.4	NONE
842	measured_voltage_B	2020-07-01 00:00:00 PDT	12525.1	2528.8	NONE
842	measured_voltage_C	2020-07-01 00:00:00 PDT	10202.5	-2062.6	NONE

Table 49: Validation data for ica_analysis IEEE 37 violation_details

(cont.)

objname	propname	timestamp	real	reactive	violation
844	constant_power_A	2020-07-01 00:00:00 PDT	950000.0	475000.0	NONE
844	constant_power_B	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
844	constant_power_C	2020-07-01 00:00:00 PDT	950000.0	95000.0	NONE
844	measured_voltage_A	2020-07-01 00:00:00 PDT	7285.1	2511.2	NONE
844	measured_voltage_B	2020-07-01 00:00:00 PDT	12515.5	2517.2	NONE
844	measured_voltage_C	2020-07-01 00:00:00 PDT	10202.0	-2026.4	NONE

Table 50: Validation data for ica_analysis IEEE 8500 violation_details

objname	propname	timestamp	real	reactive	violation
substation_meter	measured_voltage_A	2020-07-01 00:00:00 PDT	-59506.8	1849.2	NONE
substation_meter	measured_voltage_B	2020-07-01 00:00:00 PDT	45511.8	60808.7	NONE
substation_meter	measured_voltage_C	2020-07-01 00:00:00 PDT	44058.6	-59691.7	NONE