

HiPAS GridLAB-D Template Validation Data Addendum

David P. Chassin, Principal Investigator
SLAC National Accelerator Laboratory
Menlo Park, California (USA)

December 15, 2022

Copyright © 2022, Regents of the Leland Stanford Junior University

This report was created with funding from the California Energy Commission under grant EPC-17-046.

SLAC National Accelerator Laboratory is operated by Stanford University for the US Department of Energy under Contract DE-AC02-67SF00515.

Contents

1	Background	4
2	ICA Analysis Template	4
3	Electrification Template	8
4	Loadfactor Template	8

List of Tables

1	Validation data for ica_analysis IEEE 123 solar_capacity	4
2	Validation data for ica_analysis IEEE 13 solar_capacity	4
3	Validation data for ica_analysis IEEE 342 solar_capacity	4
4	Validation data for ica_analysis IEEE 37 solar_capacity	4
5	Validation data for ica_analysis IEEE 8500 solar_capacity	5
6	Validation data for ica_analysis IEEE 123 violation_details	5
7	Validation data for ica_analysis IEEE 13 violation_details	5
8	Validation data for ica_analysis IEEE 342 violation_details	5
9	Validation data for ica_analysis IEEE 37 violation_details	5
10	Validation data for ica_analysis IEEE 8500 violation_details	8
11	Validation data for electrification IEEE 13 electrification	8
12	Validation data for electrification PG&E D0001 electrification	8
13	Validation data for electrification taxonomy R1-12470-3 electrification	8
14	Validation data for loadfactor IEEE 123 loads	8
15	Validation data for loadfactor IEEE 13 loads	11
16	Validation data for loadfactor IEEE 342 loads	12
17	Validation data for loadfactor IEEE 37 loads	42
18	Validation data for loadfactor IEEE 8500 loads	43
19	Validation data for loadfactor PG&E AL0001 loads	43
20	Validation data for loadfactor PG&E AT0001 loads	90
21	Validation data for loadfactor PG&E BR0015 loads	123
22	Validation data for loadfactor PG&E BU0001 loads	127
23	Validation data for loadfactor PG&E D0001 loads	127
24	Validation data for loadfactor PG&E MO0001 loads	154
25	Validation data for loadfactor PG&E OC0001 loads	202
26	Validation data for loadfactor PG&E PL0001 loads	271
27	Validation data for loadfactor PG&E TMP0009 loads	283
28	Validation data for loadfactor taxonomy R1-12470-1 loads	529
29	Validation data for loadfactor taxonomy R1-12470-2 loads	530
30	Validation data for loadfactor taxonomy R1-12470-3 loads	531
31	Validation data for loadfactor taxonomy R1-12470-4 loads	532
32	Validation data for loadfactor taxonomy R1-25000-5 loads	534
33	Validation data for loadfactor taxonomy R2-12470-1 loads	540
34	Validation data for loadfactor taxonomy R2-12470-2 loads	549
35	Validation data for loadfactor taxonomy R2-12470-3 loads	550
36	Validation data for loadfactor taxonomy R2-25000-4 loads	551
37	Validation data for loadfactor taxonomy R2-35000-5 loads	560
38	Validation data for loadfactor taxonomy R3-12470-1 loads	600
39	Validation data for loadfactor taxonomy R3-12470-2 loads	609
40	Validation data for loadfactor taxonomy R3-12470-3 loads	616
41	Validation data for loadfactor taxonomy R4-12470-1 loads	627
42	Validation data for loadfactor taxonomy R4-12470-2 loads	632
43	Validation data for loadfactor taxonomy R4-25000-3 loads	634
44	Validation data for loadfactor taxonomy R5-12470-1 loads	634
45	Validation data for loadfactor taxonomy R5-12470-2 loads	639
46	Validation data for loadfactor taxonomy R5-12470-3 loads	644
47	Validation data for loadfactor taxonomy R5-12470-4 loads	658
48	Validation data for loadfactor taxonomy R5-12470-5 loads	662
49	Validation data for loadfactor taxonomy R5-25000-6 loads	665
50	Validation data for loadfactor taxonomy R5-35000-7 loads	666

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 previous results stored repository. Errors arising from this validation process will be reported as a DIFF error and cause a failure of the validation process.

It should be noted that this validation process does not constitute verification that the previously stored results of the analyses are themselves correct. These results were obtained from original sources or from early runs of the analysis of other tools and/or earlier versions of the analysis. The sole purpose of this validation suite is to ensure that any changes in the output results are detected to signal the need for follow-up verification.

2 ICA Analysis Template

The `ica_analysis` template allows Integration Capacity Analysys (ICA) to be performed on reference models.

Table 1: Validation data for `ica_analysis IEEE 123 solar_capacity`

load	solar_capacity[kW]
substation_meter	7.6

Table 2: Validation data for `ica_analysis IEEE 13 solar_capacity`

load	solar_capacity[kW]
Load634	210.0

Table 3: Validation data for `ica_analysis IEEE 342 solar_capacity`

load	solar_capacity[kW]
P1	30.0

Table 4: 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
837.0	2910.0
838.0	2940.0
840.0	2670.0
841.0	2940.0
842.0	2910.0

Table 4: Validation data for ica_analysis IEEE 37 violation_details

load	solar_capacity[kW]
844.0	2880.0

Table 5: Validation data for ica_analysis IEEE 8500 solar_capacity

load	solar_capacity[kW]
substation_meter	30.1

Table 6: 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 7: 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 8: 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 9: 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
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

Table 9: Validation data for ica_analysis IEEE 37 violation_details

(cont.)

objname	propname	timestamp	real	reactive	violation
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
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

Table 9: Validation data for ica_analysis IEEE 37 violation_details

(cont.)

objname	propname	timestamp	real	reactive	violation
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
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

Table 9: Validation data for ica_analysis IEEE 37 violation_details

(cont.)

objname	propname	timestamp	real	reactive	violation
844	measured_voltage_C	2020-07-01 00:00:00 PDT	10202.0	-2026.4	NONE

Table 10: 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

3 Electrification Template

The **electrification** templates allows evaluation of the electrification impacts to be performed on models.

Table 11: Validation data for electrification IEEE 13 electrification

timestamp	phases	nominal_voltage	measured_real_energy[kWh]	measured_demand[kW]
2020-12-27 00:00:00 PST	AS	120	8468.28	3.84291
2020-12-27 00:00:00 PST	BS	120	8468.28	3.9016
2020-12-27 00:00:00 PST	CS	120	8468.28	3.9016
2020-12-27 00:00:00 PST	AS	120	6266.18	3.52245
2020-12-27 00:00:00 PST	BS	120	6266.18	3.52245
2020-12-27 00:00:00 PST	CS	120	6266.18	3.54924

Table 12: Validation data for electrification PG&E D0001 electrification

timestamp	phases	nominal_voltage	measured_real_energy[kWh]	measured_demand[kW]
2020-12-27 00:00:00 PST	AS	120	609.904	3.84291
2020-12-27 00:00:00 PST	BS	120	609.904	3.84291
2020-12-27 00:00:00 PST	CS	120	609.904	3.84291
2020-12-27 00:00:00 PST	AS	120	451.304	3.52245
2020-12-27 00:00:00 PST	BS	120	451.304	3.5703
2020-12-27 00:00:00 PST	CS	120	451.304	3.52245

Table 13: Validation data for electrification taxonomy R1-12470-3 electrification

timestamp	phases	nominal_voltage	measured_real_energy[kWh]	measured_demand[kW]
2020-01-27 00:00:00 PST	AS	120	12198.1	76.8581
2020-01-27 00:00:00 PST	BS	120	12200.9	76.8581
2020-01-27 00:00:00 PST	CS	120	12200.9	76.8581
2020-01-27 00:00:00 PST	AS	120	4513.04	35.2245
2020-01-27 00:00:00 PST	BS	120	4513.04	35.2245
2020-01-27 00:00:00 PST	CS	120	4515.84	35.2245

4 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 14: 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

Table 14: Validation data for loadfactor IEEE 123 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 14: Validation data for loadfactor IEEE 123 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 14: Validation data for loadfactor IEEE 123 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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 15: 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

Table 15: Validation data for loadfactor IEEE 13 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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 16: 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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 16: Validation data for loadfactor IEEE 342 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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 17: 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
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

Table 17: Validation data for loadfactor IEEE 37 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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 18: Validation data for loadfactor IEEE 8500 loads

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
-------	------	----------	--------------	------------------	-------------	-----------------

Table 19: 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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_900107633	constant_power_A	1196.65	393.319	598.325	196.6595
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 19: Validation data for loadfactor PG&E AL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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 20: 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_1100006161	constant_power_A	4990.74	1640.38	2495.37	820.19
load	N_1100006161	constant_power_B	4990.74	1640.38	2495.37	820.19
load	N_1100006161	constant_power_C	4990.74	1640.38	2495.37	820.19
load	N_1100006161	constant_power_A_real	4990.74	0.0	2495.37	0.0
load	N_1100006161	constant_power_B_real	4990.74	0.0	2495.37	0.0
load	N_1100006161	constant_power_C_real	4990.74	0.0	2495.37	0.0
load	N_1100006161	constant_power_A_reac	1640.38	0.0	820.19	0.0
load	N_1100006161	constant_power_B_reac	1640.38	0.0	820.19	0.0
load	N_1100006161	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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_110006173	constant_power_A	3799.77	2354.88	1899.885	1177.44
load	N_110006173	constant_power_B	3799.77	2354.88	1899.885	1177.44
load	N_110006173	constant_power_C	3799.77	2354.88	1899.885	1177.44
load	N_110006173	constant_power_A_real	3799.77	0.0	1899.885	0.0
load	N_110006173	constant_power_B_real	3799.77	0.0	1899.885	0.0
load	N_110006173	constant_power_C_real	3799.77	0.0	1899.885	0.0
load	N_110006173	constant_power_A_reac	2354.88	0.0	1177.44	0.0
load	N_110006173	constant_power_B_reac	2354.88	0.0	1177.44	0.0
load	N_110006173	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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_1100044776	constant_power_A	35072.9	11527.9	17536.45	5763.95
load	N_1100044776	constant_power_B	35072.9	11527.9	17536.45	5763.95
load	N_1100044776	constant_power_A_real	35072.9	0.0	17536.45	0.0
load	N_1100044776	constant_power_B_real	35072.9	0.0	17536.45	0.0
load	N_1100044776	constant_power_A_reac	11527.9	0.0	5763.95	0.0
load	N_1100044776	constant_power_B_reac	11527.9	0.0	5763.95	0.0

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1100044772	constant_power_A	19950.8	12364.4	9975.4	6182.2
load	N_1100044772	constant_power_B	19950.8	12364.4	9975.4	6182.2
load	N_1100044772	constant_power_C	19950.8	12364.4	9975.4	6182.2
load	N_1100044772	constant_power_A_real	19950.8	0.0	9975.4	0.0
load	N_1100044772	constant_power_B_real	19950.8	0.0	9975.4	0.0
load	N_1100044772	constant_power_C_real	19950.8	0.0	9975.4	0.0
load	N_1100044772	constant_power_A_reac	12364.4	0.0	6182.2	0.0
load	N_1100044772	constant_power_B_reac	12364.4	0.0	6182.2	0.0
load	N_1100044772	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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 20: Validation data for loadfactor PG&E AT0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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 21: 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
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

Table 21: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 21: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 21: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 21: Validation data for loadfactor PG&E BR0015 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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 22: 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 23: 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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_reac	23875.8	0.0	11937.9	0.0
load	N_300084667	constant_power_B_reac	23875.8	0.0	11937.9	0.0
load	N_300084667	constant_power_C_reac	23875.8	0.0	11937.9	0.0
load	N_300084667	constant_power_A_real	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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 23: Validation data for loadfactor PG&E D0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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 24: 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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_A_real	17217.1	0.0	8608.55	0.0
load	N_100093908	constant_power_B_real	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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 24: Validation data for loadfactor PG&E MO0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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 25: 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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800053466	constant_power_A	13.985	7.73767	6.9925	3.868835
load	N_1800053466	constant_power_B	13.985	7.73767	6.9925	3.868835
load	N_1800053466	constant_power_A_real	13.985	0.0	6.9925	0.0
load	N_1800053466	constant_power_B_real	13.985	0.0	6.9925	0.0
load	N_1800053466	constant_power_A_reac	7.73767	0.0	3.868835	0.0
load	N_1800053466	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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_180003162	constant_power_A	165.584	74.8209	82.792	37.41045
load	N_180003162	constant_power_B	165.584	74.8209	82.792	37.41045

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800203320	constant_power_A	334.525	109.953	167.2625	54.9765
load	N_1800203320	constant_power_B	334.525	109.953	167.2625	54.9765
load	N_1800203320	constant_power_A_real	334.525	0.0	167.2625	0.0
load	N_1800203320	constant_power_B_real	334.525	0.0	167.2625	0.0
load	N_1800203320	constant_power_A_reac	109.953	0.0	54.9765	0.0
load	N_1800203320	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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_1800035549	constant_power_A	371.818	131.634	185.909	65.817
load	N_1800035549	constant_power_B	371.818	131.634	185.909	65.817
load	N_1800035549	constant_power_C	371.818	131.634	185.909	65.817
load	N_1800035549	constant_power_A_real	371.818	0.0	185.909	0.0
load	N_1800035549	constant_power_B_real	371.818	0.0	185.909	0.0
load	N_1800035549	constant_power_C_real	371.818	0.0	185.909	0.0
load	N_1800035549	constant_power_A_reac	131.634	0.0	65.817	0.0
load	N_1800035549	constant_power_B_reac	131.634	0.0	65.817	0.0
load	N_1800035549	constant_power_C_reac	131.634	0.0	65.817	0.0
load	N_1800035548	constant_power_A	272.617	96.6409	136.3085	48.32045
load	N_1800035548	constant_power_B	272.617	96.6409	136.3085	48.32045

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
load	N_1800035548	constant_power_C	272.617	96.6409	136.3085	48.32045
load	N_1800035548	constant_power_A_real	272.617	0.0	136.3085	0.0
load	N_1800035548	constant_power_B_real	272.617	0.0	136.3085	0.0
load	N_1800035548	constant_power_C_real	272.617	0.0	136.3085	0.0
load	N_1800035548	constant_power_A_reac	96.6409	0.0	48.32045	0.0
load	N_1800035548	constant_power_B_reac	96.6409	0.0	48.32045	0.0
load	N_1800035548	constant_power_C_reac	96.6409	0.0	48.32045	0.0
load	N_1800035547	constant_power_A	769.743	408.673	384.8715	204.3365
load	N_1800035547	constant_power_B	769.743	408.673	384.8715	204.3365
load	N_1800035547	constant_power_C	769.743	408.673	384.8715	204.3365
load	N_1800035547	constant_power_A_real	769.743	0.0	384.8715	0.0
load	N_1800035547	constant_power_B_real	769.743	0.0	384.8715	0.0
load	N_1800035547	constant_power_C_real	769.743	0.0	384.8715	0.0
load	N_1800035547	constant_power_A_reac	408.673	0.0	204.3365	0.0
load	N_1800035547	constant_power_B_reac	408.673	0.0	204.3365	0.0
load	N_1800035547	constant_power_C_reac	408.673	0.0	204.3365	0.0
load	N_1800035546	constant_power_A	281.008	142.285	140.504	71.1425
load	N_1800035546	constant_power_B	281.008	142.285	140.504	71.1425
load	N_1800035546	constant_power_C	281.008	142.285	140.504	71.1425
load	N_1800035546	constant_power_A_real	281.008	0.0	140.504	0.0
load	N_1800035546	constant_power_B_real	281.008	0.0	140.504	0.0
load	N_1800035546	constant_power_C_real	281.008	0.0	140.504	0.0
load	N_1800035546	constant_power_A_reac	142.285	0.0	71.1425	0.0
load	N_1800035546	constant_power_B_reac	142.285	0.0	71.1425	0.0
load	N_1800035546	constant_power_C_reac	142.285	0.0	71.1425	0.0
load	N_1800036340	constant_power_A	595.488	208.103	297.744	104.0515
load	N_1800036340	constant_power_B	595.488	208.103	297.744	104.0515
load	N_1800036340	constant_power_A_real	595.488	0.0	297.744	0.0
load	N_1800036340	constant_power_B_real	595.488	0.0	297.744	0.0
load	N_1800036340	constant_power_A_reac	208.103	0.0	104.0515	0.0
load	N_1800036340	constant_power_B_reac	208.103	0.0	104.0515	0.0
load	N_1800035542	constant_power_A	275.787	90.6468	137.8935	45.3234
load	N_1800035542	constant_power_B	275.787	90.6468	137.8935	45.3234
load	N_1800035542	constant_power_A_real	275.787	0.0	137.8935	0.0
load	N_1800035542	constant_power_B_real	275.787	0.0	137.8935	0.0
load	N_1800035542	constant_power_A_reac	90.6468	0.0	45.3234	0.0
load	N_1800035542	constant_power_B_reac	90.6468	0.0	45.3234	0.0
load	N_1800035541	constant_power_A	666.812	219.171	333.406	109.5855
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800005026	constant_power_A	10666.7	6610.61	5333.35	3305.305
load	N_1800005026	constant_power_B	10666.7	6610.61	5333.35	3305.305
load	N_1800005026	constant_power_C	10666.7	6610.61	5333.35	3305.305
load	N_1800005026	constant_power_A_real	10666.7	0.0	5333.35	0.0
load	N_1800005026	constant_power_B_real	10666.7	0.0	5333.35	0.0
load	N_1800005026	constant_power_C_real	10666.7	0.0	5333.35	0.0
load	N_1800005026	constant_power_A_reac	6610.61	0.0	3305.305	0.0
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800035895	constant_power_B_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_1800006685	constant_power_A_reac	2298.78	0.0	1149.39	0.0
load	N_1800006685	constant_power_B_reac	2298.78	0.0	1149.39	0.0
load	N_1800006685	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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 25: Validation data for loadfactor PG&E OC0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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 26: 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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_30004134	constant_power_A	25483.3	8375.95	12741.65	4187.975
load	N_30004134	constant_power_B	25483.3	8375.95	12741.65	4187.975
load	N_30004134	constant_power_A_real	25483.3	0.0	12741.65	0.0
load	N_30004134	constant_power_B_real	25483.3	0.0	12741.65	0.0
load	N_30004134	constant_power_A_reac	8375.95	0.0	4187.975	0.0
load	N_30004134	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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 26: Validation data for loadfactor PG&E PL0001 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
load	N_300062062	constant_power_C_reac	5646.47	0.0	2823.235	0.0

Table 27: 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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800004664	constant_power_A	592.822	194.851	296.411	97.4255
load	N_1800004664	constant_power_B	592.822	194.851	296.411	97.4255
load	N_1800004664	constant_power_C	592.822	194.851	296.411	97.4255
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_18000689429	constant_power_A	1100.54	361.729	550.27	180.8645
load	N_18000689429	constant_power_C	1100.54	361.729	550.27	180.8645
load	N_18000689429	constant_power_A_real	1100.54	0.0	550.27	0.0
load	N_18000689429	constant_power_C_real	1100.54	0.0	550.27	0.0
load	N_18000689429	constant_power_A_reac	361.729	0.0	180.8645	0.0
load	N_18000689429	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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_18000203026	constant_power_A	603.094	198.227	301.547	99.1135
load	N_18000203026	constant_power_B	603.094	198.227	301.547	99.1135
load	N_18000203026	constant_power_A_real	603.094	0.0	301.547	0.0
load	N_18000203026	constant_power_B_real	603.094	0.0	301.547	0.0
load	N_18000203026	constant_power_A_reac	198.227	0.0	99.1135	0.0
load	N_18000203026	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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800009207	constant_power_A	2256.83	1398.66	1128.415	699.33
load	N_1800009207	constant_power_B	2256.83	1398.66	1128.415	699.33
load	N_1800009207	constant_power_C	2256.83	1398.66	1128.415	699.33
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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_C	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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800197184	constant_power_A	3147.53	1034.54	1573.765	517.27
load	N_1800197184	constant_power_B	3147.53	1034.54	1573.765	517.27
load	N_1800197184	constant_power_A_real	3147.53	0.0	1573.765	0.0
load	N_1800197184	constant_power_B_real	3147.53	0.0	1573.765	0.0
load	N_1800197184	constant_power_A_reac	1034.54	0.0	517.27	0.0
load	N_1800197184	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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800037157	constant_power_A_reac	555.615	0.0	277.8075	0.0
load	N_1800037157	constant_power_B_reac	555.615	0.0	277.8075	0.0
load	N_1800037157	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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800203859	constant_power_A	35.217	11.5753	17.6085	5.78765
load	N_1800203859	constant_power_B	35.217	11.5753	17.6085	5.78765
load	N_1800203859	constant_power_A_real	35.217	0.0	17.6085	0.0
load	N_1800203859	constant_power_B_real	35.217	0.0	17.6085	0.0
load	N_1800203859	constant_power_A_reac	11.5753	0.0	5.78765	0.0
load	N_1800203859	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
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_180004488	constant_power_A	4239.27	1393.38	2119.635	696.69

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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_1800201210	constant_power_A	2758.68	1709.68	1379.34	854.84
load	N_1800201210	constant_power_B	2758.68	1709.68	1379.34	854.84
load	N_1800201210	constant_power_C	2758.68	1709.68	1379.34	854.84
load	N_1800201210	constant_power_A_real	2758.68	0.0	1379.34	0.0
load	N_1800201210	constant_power_B_real	2758.68	0.0	1379.34	0.0
load	N_1800201210	constant_power_C_real	2758.68	0.0	1379.34	0.0
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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
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

Table 27: Validation data for loadfactor PG&E TMP0009 loads

(cont.)

class	name	property	nominal.real	nominal.reactive	actual.real	actual.reactive
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 28: 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
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

Table 28: 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_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 29: 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
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

Table 29: 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_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 30: 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
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

Table 30: 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_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
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 31: 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

Table 31: 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_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
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

Table 31: 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_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
load	R1-12-47-4.load_12	constant_power_C_reac	26638.9	0.0	13319.45	0.0

Table 32: 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

Table 32: 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_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
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

Table 32: 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_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
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

Table 32: 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_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
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

Table 32: 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_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
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

Table 32: 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_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
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

Table 32: 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_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 33: 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
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

Table 33: 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_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
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

Table 33: 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_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
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

Table 33: 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_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
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

Table 33: 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_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
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

Table 33: 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_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
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

Table 33: 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_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
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

Table 33: 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_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
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

Table 33: 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_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
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

Table 33: 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_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 34: 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
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

Table 34: 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_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 35: 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
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

Table 35: 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_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
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	16867.85	8540.35
load	R2-12-47-3.load_10	constant_power_A_real	3373.57	0.0	16867.85	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 36: 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

Table 36: 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_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
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

Table 36: 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_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
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

Table 36: 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_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
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

Table 36: 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_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
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

Table 36: 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_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
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

Table 36: 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_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
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

Table 36: 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_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
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

Table 36: 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_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
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 37: 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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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	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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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_334	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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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

Table 37: 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_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
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 38: 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

Table 38: 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_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
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

Table 38: 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_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
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

Table 38: 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_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
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

Table 38: 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_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
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

Table 38: 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_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
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

Table 38: 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_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
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

Table 38: 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_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
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

Table 38: 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_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
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

Table 38: 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_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
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 39: 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

Table 39: 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_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
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

Table 39: 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_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
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

Table 39: 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_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
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

Table 39: 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_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
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

Table 39: 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_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
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

Table 39: 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_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
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

Table 39: 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_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 40: 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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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
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

Table 40: 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_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 41: 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
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

Table 41: 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_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
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

Table 41: 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_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
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

Table 41: 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_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
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

Table 41: 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_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
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

Table 41: 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_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
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 42: 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

Table 42: 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_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
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

Table 42: 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_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
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 43: 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 44: 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

Table 44: 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_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
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

Table 44: 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_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
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

Table 44: 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_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
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

Table 44: 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_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
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

Table 44: 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_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 45: 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

Table 45: 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_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
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

Table 45: 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_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
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

Table 45: 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_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
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

Table 45: 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_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
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

Table 45: 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_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 46: 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

Table 46: 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_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	331.2	0.0	952.0	0.0
load	R5-12-47-3_load_11	constant_power_C_reac	1904.0	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
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

Table 46: 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_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
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

Table 46: 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_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
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_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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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
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

Table 46: 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_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 47: 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
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

Table 47: 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_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
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

Table 47: 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_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
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

Table 47: 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_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
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

Table 47: 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_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 48: 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
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

Table 48: 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_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
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

Table 48: 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_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
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

Table 48: 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_28	constant_power_C_reac	15200.4	0.0	7600.2	0.0

Table 49: 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
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

Table 49: 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_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
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 50: 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

Table 50: 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_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
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

Table 50: 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_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
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

Table 50: 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_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
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

Table 50: 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_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
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