Table 5a. Summer (FRCC) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	FRCC
Subregion	
Country	U

	SUMMER	Actual	tual Projected									
Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	46,550	46,006	46,124	46,825	47,469	48,059	48,699	49,421	50,201	51,131	51,982
1a	New Conservation (Energy Efficiency)	0	0	0	0	0	0	0	0	0	0	0
1b	Estimated Diversity	0	0	0	0	0	0	0	0	0	0	0
1c	Additions for non-member load (load served by non-registered LSE's	0	0	0	0	0	0	0	0	0	0	0
1d	Stand-by Load Under Contract (Normally served by behind the meter	0	0	0	0	0	0	0	0	0	0	0
2	Total Internal Demand	46,550	46,006	46,124	46,825	47,469	48,059	48,699	49,421	50,201	51,131	51,982
2a	Direct Control Load Management	203	2,537	2,638	2,720	2,806	2,857	2,938	3,038	3,140	3,220	3,281
2b	Contractually Interruptible (Curtailable)	84	649	655	696	764	751	746	709	710	712	713
2c	Critical Peak-Pricing (CPP) with Control	0	0	0	0	0	0	0	0	0	0	0
2d	Load as a Capacity Resource	0	0	0	0	0	0	0	0	0	0	0
3	Net Internal Demand = 2-2a-2b-2c-2d	46,263	42,820	42,831	43,409	43,899	44,451	45,015	45,674	46,351	47,199	47,988
4a	Demand Response used for Reserves - Spinning	0	0	0	0	0	0	0	0	0	0	0
4b	Demand Response used for Reserves - Non-Spinning	0	0	0	0	0	0	0	0	0	0	0
4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0
4d	Demand Response used for Energy, Voluntary - Emergency	0	0	0	0	0	0	0	0	0	0	0
5	TOTAL INTERNAL CAPACITY = 6+7	48,122	55,866	56,103	56,784	58,591	58,767	58,757	58,717	58,853	59,964	61,548
6	EXISTING CAPACITY = 6a+6b+6c	48,122	55,030	55,030	55,030	55,030	55,030	55,030	55,030	55,030	55,030	55,030
6a	Existing, Certain	47,005	51,338	51,338	51,338	51,338	51,338	51,338	51,338	51,338	51,338	51,338
6a1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
6a2	Solar Expected On-Peak	1	3	3	3	3	3	3	3	3	3	3
6a3	Hydro Expected On-Peak	44	44	44	44	44	44	44	44	44	44	44
6a4	Biomass Expected On-Peak	474	468	468	468	468	468	468	468	468	468	468
6a5	Load as a Capacity Resource Expected On-Peak (Load Management	0	0	0	0	0	0	0	0	0	0	0
6b	Existing, Other	1,677	1,438	1,438	1,438	1,438	1,438	1,438	1,438	1,438	1,438	1,438
6b1	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b2	Solar Derate On-Peak	3	30	30	30	30	30	30	30	30	30	30
6b3	Hydro Derate On-Peak	11	11	11	11	11	11	11	11	11	11	11
6b4	Biomass Derate On-Peak	326	0	0	0	0	0	0	0	0	0	0
6b5	Load as a Capacity Resource Derate On-Peak (Load Management Pi	0	0	0	0	0	0	0	0	0	0	0
6b7	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
6b8	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
6b9	Energy Only	1,337	1,397	1,397	1,397	1,397	1,397	1,397	1,397	1,397	1,397	1,397
6c	Existing, Inoperable (Note: Not used in margin calculations)	-900	2,213	2,213	2,213	2,213	2,213	2,213	2,213	2,213	2,213	2,213
7	FUTURE CAPACITY ADDITIONS = 7a+7b	0	456	1,071	1,750	3,556	3,730	3,719	3,678	3,813	4,923	6,506
7a	Future, Planned	0	456	1,071	1,750	3,556	3,730	3,719	3,678	3,813	4,923	6,506
7a1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a3	Solar Expected On-Peak	0	0	1	2	3	4	4	5	6	6	7
7a4	Solar Derate On-Peak	0	0	3	4	5	7	8	9	10	12	13
7a5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a7	Biomass Expected On-Peak	0	78	101	256	411	571	571	571	571	571	571
7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a9	Demand Response Expected On-Peak (Load Management Programs	0	0	0	0	0	0	0	0	0	0	0

7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	0	0	0	0	0	0	0	0	0
7a10 7a11	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7a11	Scheduled Outage - Maintenance	0	380	0	0	0	0	0	0	0	0	0
7a12	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7a13	Energy Only	0	0	0	0	0	350	350	400	400	400	400
7a14 7b	Future, Other	0	0	0	0	0	0	0	400	400	400	400
		0	0	0	0	0	0	0	0	0	0	0
7b1 7b2	Wind Expected On-Peak Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2 7b3		0	0	0	0	0	0	0	0	0	0	0
	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0		0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7 7b8	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6 7b9	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9 7b10	Transmission-Limited Resources Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b10 7b11	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0
7b12	Energy Only	0	0	0	0	0	0	0	0	0	0	0
8	Conceptual Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a1 8a2	Wind Derate On-Peak Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	0
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	47,005	51,794	52,409	53,088	54,894	55,068	55,057	55,016	55,151	56,261	57,844
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	2,377	2,175	2,175	2,172	2,172	2,172	2,172	2,272	2,372	2,372	2,372
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	2,377	2,175	2,175	2,172	2,172	2,172	2,172	2,272	2,372	2,372	2,372
10a	Full-Responsibility Purchases	1,552	1,343	1,343	1,343	1,343	1,343	1,343	1,443	1,543	1,543	1,543
10a1	Owned Capacity/Entitlement Located Outside the Region/Subregion	825	832	832	829	829	829	829	829	829	829	829
10a2	Non-firm	023	032	0	029	023	029	029	029	029	029	0
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	0	0	0	0	0	0	0	0	0	0
10c1	Full-Responsibility Purchases	0	0	0	0	0	0	0	0	0	0	0
10c1	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10d2	Provisional – transactions under study, but negotiations have not begin	0	0	0	0	0	0	0	0	0	0	0
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	143	143	143	143	143	143	143	143	143	143	143
11a1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	143	143	143	143	143	143	143	143	143	143	143
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not begin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6	49239.00	53370.00	53370.00	53367.00	53367.00	53367.00	53367.00	53467.00	53567.00	53567.00	53567.00
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	53826.30	54440.50	55117.20	56922.90	57097.40	57086.10	57144.80	57379.50	58490.00	60072.70
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	55264.30	55878.50	56555.20	58360.90	58535.40	58524.10	58582.80	58817.50	59928.00	61510.70
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F	0.00	55264.30	55878.50	56555.20	58360.90	58535.40	58524.10	58582.80	58817.50	59928.00	61510.70
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+16	0.00	55264.30	55878.50	56555.20	58360.90	58535.40	58524.10	58582.80	58817.50	59928.00	61510.70
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16d	Net Conceptual Resources After Confidence Percentage Is Applied =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 5a. Summer (MRO) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	MRO
Subregion	
Country	U

	SUMMER	Actual	Projected													
Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019				
1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	37,963	42,299	42,898	43,807	44,498	45,020	45,550	46,094	46,570	47,119	47,601				
1a	New Conservation (Energy Efficiency)	0	102	207	300	374	433	489	544	590	625	651				
1b	Estimated Diversity	0	0	0	0	1	1	1	1	1	1	1				
1c	Additions for non-member load (load served by non-registered LSE's	0	2	0	0	0	0	0	0	0	0	0				
1d	Stand-by Load Under Contract (Normally served by behind the meter	0	42	42	42	42	42	42	42	42	42	42				
2	Total Internal Demand	37,963	42,240	42,733	43,549	44,164	44,627	45,101	45,591	46,021	46,535	46,990				
2a	Direct Control Load Management	1,398	1,588	1,618	1,641	1,644	1,650	1,652	1,657	1,660	1,664	1,667				
2b	Contractually Interruptible (Curtailable)	716	1,309	1,292	1,290	1,297	1,303	1,308	1,297	1,302	1,308	1,311				
2c	Critical Peak-Pricing (CPP) with Control	0	0	0	0	0	0	0	0	0	0	0				
2d	Load as a Capacity Resource	0	0	0	0	0	0	0	0	0	0	0				
3	Net Internal Demand = 2-2a-2b-2c-2d	35,849	39,343	39,823	40,618	41,224	41,675	42,141	42,637	43,058	43,564	44,013				
4a	Demand Response used for Reserves - Spinning	0	0	0	0	0	0	0	0	0	0	0				
4b	Demand Response used for Reserves - Non-Spinning	0	0	0	0	0	0	0	0	0	0	0				
4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0				
4d	Demand Response used for Energy, Voluntary - Emergency	0	0	0	0	0	0	0	0	0	0	0				
5	TOTAL INTERNAL CAPACITY = 6+7	54,034	62,941	64,351	64,659	65,300	65,300	65,298	65,298	65,424	65,424	65,424				
6	EXISTING CAPACITY = 6a+6b+6c	54,034	62,924	62,924	62,924	62,924	62,924	62,924	62,924	62,924	62,924	62,924				
6a	Existing, Certain	46,400	49,155	49,155	49,155	49,155	49,155	49,155	49,155	49,155	49,155	49,155				
6a1	Wind Expected On-Peak	0	570	570	570	570	570	570	570	570	570	570				
6a2	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0				
6a3	Hydro Expected On-Peak	0	3,526	3,526	3,526	3,526	3,526	3,526	3,526	3,526	3,526	3,526				
6a4	Biomass Expected On-Peak	0	450	450	450	450	450	450	450	450	450	450				
6a5	Load as a Capacity Resource Expected On-Peak (Load Management	0	0	0	0	0	0	0	0	0	0	0				
6b	Existing, Other	7,600	6,647	6,647	6,647	6,647	6,647	6,647	6,647	6,647	6,647	6,647				
6b1	Wind Derate On-Peak	0	6,549	6,549	6,549	6,549	6,549	6,549	6,549	6,549	6,549	6,549				
6b2	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0				
6b3	Hydro Derate On-Peak	0	19	19	19	19	19	19	19	19	19	19				
6b4	Biomass Derate On-Peak	0	1	1	1	1	1	1	1	1	1	1				
6b5	Load as a Capacity Resource Derate On-Peak (Load Management Pi	0	0	0	0	0	0	0	0	0	0	0				
6b7	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0				
6b8	All Other Derates	0	78	78	78	78	78	78	78	78	78	78				
6b9	Energy Only	0	0	0	0	0	0	0	0	0	0	0				
6c	Existing, Inoperable (Note: Not used in margin calculations)	34	476	476	476	476	476	476	476	476	476	476				
7	FUTURE CAPACITY ADDITIONS = 7a+7b	0	0	502	557	875	875	872	872	998	998	998				
7a	Future, Planned	0	0	502	557	875	875	872	872	998	998	998				
7a1	Wind Expected On-Peak	0	2	80	102	131	131	131	131	131	131	131				
7a2	Wind Derate On-Peak	0	17	925	1,179	1,501	1,501	1,501	1,501	1,501	1,501	1,501				
7a3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0				
7a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0				
7a5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0				
7a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0				
7a7	Biomass Expected On-Peak	0	0	40	42	43	43	43	43	43	43	43				
7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0				
7a9	Demand Response Expected On-Peak (Load Management Programs	0	0	0	0	0	0	0	0	0	0	0				

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7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	0	0	0	0	0	0	0	0	0
7a11	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7a12	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7a13	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7a14	Energy Only	0	0	0	0	0	0	0	0	0	0	0
7b	Future, Other	0	0	0	0	0	0	0	0	0	0	0
7b1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7b10	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b10	All Other Derates	0	Ö	Ö	Ö	Ö	0	Ö	Ö	Ö	0	ő
7b12	Energy Only	0	224	-6	-6	-6	-6	-6	-6	-6	-6	-6
8	Conceptual	0	0	845	1,845	3,895	4,375	4,389	4,809	4,821	4,821	4,821
8a1	Wind Expected On-Peak	0	0	845	1,845	2.995	3.255	3,269	3,269	3,281	3.281	3.281
8a2	Wind Derate On-Peak	0	0	9,718	21,216	34,438	37,428	37,593	37,593	37,729	37,729	37,729
8a3		0	0	9,710	21,210	34,436	37,420	0	0	31,129	31,129	31,129
	Solar Expected On-Peak	0	0									
8a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a5	Hydro Expected On-Peak	ŭ	-	0	0	0	0	0	0	0	0	0
8a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a7	Biomass Expected On-Peak	0	0	0	0	0	220	220	220	220	220	220
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	0
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	46,400	49,155	49,657	49,712	50,030	50,030	50,027	50,027	50,153	50,153	50,153
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	2,977	3,153	3,209	3,099	3,120	3,033	2,461	2,264	2,250	2,253	2,256
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	2,977	3,153	3,189	3,054	2,855	2,768	1,471	1,224	1,210	1,213	1,216
10a1	Full-Responsibility Purchases	711	713	700	685	606	616	599	599	614	614	614
10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	1,974	2,161	2,204	2,014	1,689	1,689	639	639	639	639	639
10b	Non-firm	0	0	0	0	0	0	0	0	0	0	0
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	0	0	0	100	100	825	725	725	725	725
10c1	Full-Responsibility Purchases	0	0	0	0	0	0	0	0	0	0	0
10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	725	725	725	725	725
10d	Provisional – transactions under study, but negotiations have not beg	0	0	20	45	165	165	165	315	315	315	315
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	1848.10	1674.50	1098.30	1120.70	1017.10	911.20	900.30	889.50	888.60	887.80	887.20
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	1,848	1,675	1,098	1,121	1,017	911	900	890	889	888	887
11a1	Full-Responsibility Purchases	521.60	630.60	521.60	521.60	455.80	400.80	390.80	380.80	380.80	380.80	380.80
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	992	780	580	580	625	624	623	622	621	621	620
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not begin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6	47529.05	50632.99	51245.39	51088.09	50992.39	51011.29	49725.19	49488.99	49475.89	49479.69	49483.29
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	50632.99	51747.64	51645.02	51967.40	51986.30	51422.55	51086.35	51199.25	51203.05	51206.65
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	50632.99	51747.64	51645.02	51967.40	51986.30	51422.55	51086.35	51199.25	51203.05	51206.65
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F	0.00	50632.99	52612.72	53534.86	56027.00	56525.90	55976.47	56210.27	56335.01	56338.81	56342.41
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+16	0.00	50632.99	52021.16	52243.47	53300.78	53463.68	52904.22	52844.02	52960.48	52964.28	52967.88
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
16d	Net Conceptual Resources After Confidence Percentage Is Applied =	0.00	0.00	253.52	553.45	1168.38	1312.38	1316.68	1442.68	1446.23	1446.23	1446.23

Released: December 2010 Next Update: December 2011

Table 5a. Summer (NPCC-NE) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	NPCC
Subregion	NE
Country	U

Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d 25,00 27,190 27,660 28,165 28,570 29,025 29,450 29,785 30,110 30,410			SUMMER Actual Projected										h
Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d 25,100 27,190 27,660 28,165 28,570 29,025 29,450 29,785 30,110 30,410	2019	2040	2047	2046			2012	2042	2044	2010	Actual		1 ' #
New Conservation (Energy Efficiency)		30,430	-			-		-	-				_
Dicas Estimated Diversity O	0 30,730	,	,	,	,	,	,	,	,	,	,		•
Additions for non-member load (load served by non-registered LSE's	0 0	-	-		-			-	•	-	-		
Stand-by Load Under Contract (Normally served by behind the meter 0	0 0	0	-	-	-			·	•	Ū	•		
Total Internal Demand 25,100 27,190 27,660 28,165 28,570 29,025 29,450 29,785 30,110 30,425 20,4	0 0	0	•	-	-	-	-	•	•	•	-		
Direct Control Load Management	0	30,430	-	-	-		-	-	-	-	-		
bb Contractually Interruptible (Curtallable) 0	0 0	,	,	-,	-,	,	,	-,	,	,	,		
2c Critical Peak-Pricing (CPP) with Control 0	0 0	-	-	-	-			-	•	•	•		
Load as a Capacity Resource 0 0 0 0 0 0 0 0 0	0 0	0	-	-	-			O	•	•	•		
Net Internal Demand = 2-2a-2b-2c-2d 25,100 27,190 27,660 28,165 28,570 29,025 29,450 29,785 30,110 30,44 Demand Response used for Reserves - Spinning 0 0 0 0 0 0 0 0 0	0 0	0	•	-	-	ŭ	-	•	•	•	•		
Demand Response used for Reserves - Spinning	30 30,730	30.430	-	-	-	-	-	•	-	-	O		
Demand Response used for Reserves - Non-Spinning	0 0	,	,	-,	-,	- ,		-,	,	,	-,		
4c Demand Response used for Regulation 0	0 0	0	-	-	-		-	-	ū	-	•		
Demand Response used for Energy, Voluntary - Emergency	0 0	0	-	-	-			O	•	•	•		
5 TOTAL INTERNAL CAPACITY = 64-77 35,695 34,105 32,682 36,902	0 0	0	-	-	-	ŭ	-	Ū	•	•	O		
6 EXISTING CAPACITY = 6a+6b+6c 35,695 33,881 33,251 32,251 32,251 32,251 32,251 32,251 32,251 32,251 32,251 32,251 32,251 32,251		36.902	-	-	•	-	-	•	•	•	•		
6a Existing, Certain 34,226 32,251	,	33,881	,	,	,	,		,	- ,	- ,	,		
6a1 Wind Expected On-Peak 89 26<		32,251				,	,		,		,		
6a2 Solar Expected On-Peak 1 0 <td></td> <td>26</td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td>		26					,				,		
6a3 Hydro Expected On-Peak 1,682 1,495 </td <td></td> <td>0</td> <td></td>		0											
6a4 Biomass Expected On-Peak 985 914 <td>-</td> <td>1.495</td> <td>-</td> <td>-</td> <td>Ū</td> <td>-</td> <td>•</td> <td>·</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td>	-	1.495	-	-	Ū	-	•	·	-	-			
6a5 Load as a Capacity Resource Expected On-Peak (Load Managemer) 2,834 1,898	,	914	,	,	,	,	,	,	,	,	,		
6b Existing, Other 227 318 381 381 381		1,898											
6b1 Wind Derate On-Peak 11 85 85 85 85 85 85 6b2 Solar Derate On-Peak 0 <td< td=""><td></td><td>317</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		317											
6b2 Solar Derate On-Peak 0		85											
6b3 Hydro Derate On-Peak 241 381		0											
6b4 Biomass Derate On-Peak 0 34<		381	-	-	-		-	-	-	-	-		
6b5 Load as a Capacity Resource Derate On-Peak (Load Management F 0 <td></td> <td>34</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2 · · · · · · · · · · · · · · · · · · ·</td> <td></td>		34										2 · · · · · · · · · · · · · · · · · · ·	
6b7 Transmission-Limited Resources 0 <	0 0	0									0		
6b8 All Other Derates 0 814 814 814 814 814 814 814 814 814 814	0 0	0	0	0			0	0	0	0	0		
6b9 Energy Only 0 168 168 168 168 168 168 168 168 168 6c Existing, Inoperable (Note: Not used in margin calculations) 990 0 0 0 0 0 0 0 0 0	14 814	814	814	814	814	814	814	814	814	814	0		
6c Existing, Inoperable (Note: Not used in margin calculations) 990 0 0 0 0 0 0 0 0		168									0		
		0							0		990		
7 FUTURE CAPACITY ADDITIONS = 7a+7b 0 224 -1,433 2,786	36 2,786	2,786	2.786	2.786	2.786		2.786	2.786	-1.433	224		FUTURE CAPACITY ADDITIONS = 7a+7b	7
	,	2,806	,				2.806	2.806	-1.427	0	0	Future, Planned	7a
7a1 Wind Expected On-Peak 0 0 58 67 67 67 67 67 67	,	67	,	,	,	,	,	,	,	0	0	Wind Expected On-Peak	
		227									0		
7a3 Solar Expected On-Peak 0 0 0 0 0 0 0 0 0	0 0	0	0				0		0	0	0	Solar Expected On-Peak	
7a4 Solar Derate On-Peak 0 0 0 0 0 0 0 0 0	0 0	0								0	0	·	
7a5 Hydro Expected On-Peak 0 0 -177 3 3 3 3 3 3 3	3 3	3	3	3	3	3	3	3	-177	0	0		7a5
7a6 Hydro Derate On-Peak 0 0 5 5 5 5 5 5 5 5	5 5	_	-		-	-	-	-		0	0		
		120								0	0		
7a8 Biomass Derate On-Peak 0 0 0 2 2 2 2 2 2 2 2 2	2 2									0	0	·	

7-0	Demand Deserves Francisco On Book // and Management Deserves	0	0	420	999	000	999	000	000	999	999	000
7a9	Demand Response Expected On-Peak (Load Management Program	0	0	439 0		999 0	999	999	999	999		999
7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	-	0	-	0	0	0	-	0	0
7a11	Transmission-Limited Resources	U	-	0	0	0	Ū	0	0	0	0	0
7a12	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7a13	All Other Derates	0	-	0	0	-	-	0	0	-	0	0
7a14	Energy Only	ŭ	0	0	0	0	0	0	0	0	0	0
7b	Future, Other	0	224	-6	-20	-20	-20	-20	-20	-20	-20	-20
7b1	Wind Expected On-Peak	0	26	26	26	26	26	26	26	26	26	26
7b2	Wind Derate On-Peak	0	1	1	1	1	1	1	1	1	1	1
7b3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	0	-17	-17	-17	-17	-17	-17	-17	-17	-17
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7b10	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b11	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7b12	Energy Only	0	224	-6	-6	-6	-6	-6	-6	-6	-6	-6
8	Conceptual	0	0	1,338	3,258	5,581	7,102	7,102	7,638	7,638	7,638	7,638
8a1	Wind Expected On-Peak	0	0	978	1,674	2,106	2,106	2,106	2,642	2,642	2,642	2,642
8a2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a5	Hydro Expected On-Peak	0	0	13	22	38	38	38	38	38	38	38
8a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a7	Biomass Expected On-Peak	0	0	70	166	257	327	327	327	327	327	327
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	0
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	34,226	32,251	30,823	35,057	35,057	35,057	35,057	35,057	35,057	35,057	35,057
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	3,649	388	2,150	1,920	334	334	284	112	6	6	6
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	3,649	388	2,150	1,920	334	334	284	112	6	6	6
10a1	Full-Responsibility Purchases	3,649	388	2,150	1,920	334	334	284	112	6	6	6
10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10b	Non-firm	0	0	0	0	0	0	0	0	0	0	0
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	0	0	0	0	0	0	0	0	0	0
10c1	Full-Responsibility Purchases	0	0	0	0	0	0	0	0	0	0	0
10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10d	Provisional – transactions under study, but negotiations have not bec	0	0	0	0	0	0	0	0	0	0	0
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	1282.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	1,282	100	100	100	100	100	100	100	100	100	100
11a1	Full-Responsibility Purchases	1282.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not beg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6	36593.00	32538.70	34300.70	34070.70	32484.70	32484.70	32434.70	32262.70	32156.70	32156.70	32156.70
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	32538.70	32873.36	36876.95	35290.95	35290.95	35240.95	35068.95	34962.95	34962.95	34962.95
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	33079.70	33183.93	37173.80	35587.80	35587.80	35537.80	35365.80	35259.80	35259.80	35259.80
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F	0.00	33079.70	34521.93	40431.80	41168.80	42689.80	42639.80	43003.80	42897.80	42897.80	42897.80
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+1	0.00	33079.70	33451.53	37825.40	36704.00	37008.20	36958.20	36893.40	36787.40	36787.40	36787.40
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	224.30	-6.12	-19.85	-19.85	-19.85	-19.85	-19.85	-19.85	-19.85	-19.85
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

16d

Table 5a. Summer (NPCC-NY) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	NPCC
Subregion	NY
Country	U

	SUMMER	Actual	al Projected									
Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	30,844	33,199	33,651	34,192	34,844	35,285	35,696	36,147	36,565	36,983	37,401
1a	New Conservation (Energy Efficiency)	0	174	491	825	1,107	1,388	1,675	1,954	2,151	2,311	2,415
1b	Estimated Diversity	0	0	0	0	0	0	0	0	0	0	0
1c	Additions for non-member load (load served by non-registered LSE's	0	0	0	0	0	0	0	0	0	0	0
1d	Stand-by Load Under Contract (Normally served by behind the meter	0	0	0	0	0	0	0	0	0	0	0
2	Total Internal Demand	30,844	33,025	33,160	33,367	33,737	33,897	34,021	34,193	34,414	34,672	34,986
2a	Direct Control Load Management	0	0	0	0	0	0	0	0	0	0	0
2b	Contractually Interruptible (Curtailable)	0	0	0	0	0	0	0	0	0	0	0
2c	Critical Peak-Pricing (CPP) with Control	0	0	0	0	0	0	0	0	0	0	0
2d	Load as a Capacity Resource	214	214	214	214	214	214	214	214	214	214	214
3	Net Internal Demand = 2-2a-2b-2c-2d	30,630	32,811	32,946	33,153	33,523	33,683	33,807	33,979	34,200	34,458	34,772
4a	Demand Response used for Reserves - Spinning	0	0	0	0	0	0	0	0	0	0	0
4b	Demand Response used for Reserves - Non-Spinning	0	0	0	0	0	0	0	0	0	0	0
4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0
4d	Demand Response used for Energy, Voluntary - Emergency	0	0	0	0	0	0	0	0	0	0	0
5	TOTAL INTERNAL CAPACITY = 6+7	40,498	40,777	42,031	42,711	42,711	42,717	42,717	42,717	42,717	42,717	42,717
6	EXISTING CAPACITY = 6a+6b+6c	40,498	40,777	40,777	40,777	40,777	40,777	40,777	40,777	40,777	40,777	40,777
6a	Existing, Certain	40,498	39,260	39,260	39,260	39,260	39,260	39,260	39,260	39,260	39,260	39,260
6a1	Wind Expected On-Peak	0	124	124	124	124	124	124	124	124	124	124
6a2	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
6a3	Hydro Expected On-Peak	0	3,781	3,781	3,781	3,781	3,781	3,781	3,781	3,781	3,781	3,781
6a4	Biomass Expected On-Peak	0	410	410	410	410	410	410	410	410	410	410
6a5	Load as a Capacity Resource Expected On-Peak (Load Managemer	0	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251
6b	Existing, Other	0	0	0	0	0	0	0	0	0	0	0
6b1	Wind Derate On-Peak	0	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112
6b2	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b3	Hydro Derate On-Peak	0	394	394	394	394	394	394	394	394	394	394
6b4	Biomass Derate On-Peak	0	10	10	10	10	10	10	10	10	10	10
6b5	Load as a Capacity Resource Derate On-Peak (Load Management F	0	0	0	0	0	0	0	0	0	0	0
6b7	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
6b8	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
6b9	Energy Only	0	0	0	0	0	0	0	0	0	0	0
6c	Existing, Inoperable (Note: Not used in margin calculations)	0	0	0	0	0	0	0	0	0	0	0
7	FUTURE CAPACITY ADDITIONS = 7a+7b	0	0	1,241	1,921	1,921	1,922	1,922	1,922	1,922	1,922	1,922
7a	Future, Planned	0	0	1,241	1,921	1,921	1,922	1,922	1,922	1,922	1,922	1,922
7a1	Wind Expected On-Peak	0	0	2	2	2	2	2	2	2	2	2
7a2	Wind Derate On-Peak	0	0	14	14	14	19	19	19	19	19	19
7a3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0

		_	_	_		_	_	_	_	_	_	_
7a9	Demand Response Expected On-Peak (Load Management Program	0	0	0	0	0	0	0	0	0	0	0
7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	0	0	0	0	0	0	0	0	0
7a11	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7a12	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7a13	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7a14	Energy Only	0	0	0	0	0	0	0	0	0	0	0
7b	Future, Other	0	0	0	0	0	0	0	0	0	0	0
7b1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7b10	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b11	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7b12	Energy Only	0	224	-6	-6	-6	-6	-6	-6	-6	-6	-6
8	Conceptual	0	0	2,083	5,386	6,363	7,465	8,975	9,635	10,236	10,236	10,236
8a1	Wind Expected On-Peak	0	32	240	318	332	342	492	558	618	618	618
8a2	Wind Derate On-Peak	0	289	433	1,135	1,261	1,351	2,711	3,305	3,899	3,899	3,899
8a3	Solar Expected On-Peak	0	0	0	0	0	0	2,7 0	0,000	0	0	0
8a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a7	Biomass Expected On-Peak	0	0	0	23	23	23	23	23	23	23	23
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	0
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	40,498	39,260	40,501	41,181	41,181	41,182	41,182	41,182	41,182	41,182	41,182
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	1,548	1,542	1,228	1,261	1,952	1,902	1,902	1,902	1,902	1,902	1,902
10 10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	1,548	1,542	1,228	1,261	1,952	1,902	1,902	1,902	1,902	1,902	1,902
10a 10a1	Full-Responsibility Purchases	1,546	1,542	1,220	0	1,932	1,902	1,902	1,902	1,902	1,902	0
10a1	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10a2 10b	Non-firm	0	0	0	0	0	0	0	0	0	0	0
10b	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	0	0	0	0	0	0	0	0	0	0
10c1		0	0	0	0	0	0	0	0	0	0	0
10c1	Full-Responsibility Purchases Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
	Provisional – transactions under study, but negotiations have not bec	0	0	0	0	0	0	0	0	0	0	0
10d	,, ,	0.00	0.00			-	•	-	0.00	0.00	0.00	
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 0.00	0.00	0.00	0 0.00
11a1	Full-Responsibility Purchases	0.00				0.00						
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	0	0	0	-	0	0	0	0	0	0
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not bec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6	42046.00	40801.99	40488.29	40520.69	41211.69	41161.69	41161.69	41161.69	41161.69	41161.69	41161.69
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	40801.99	41728.79	42441.69	43132.69	43083.29	43083.29	43083.29	43083.29	43083.29	43083.29
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	40801.99	41728.79	42441.69	43132.69	43083.29	43083.29	43083.29	43083.29	43083.29	43083.29
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F	0.00	40801.99	43811.79	47827.69	49495.69	50548.29	52058.29	52718.29	53319.29	53319.29	53319.29
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+1	0.00	40801.99	42145.39	43518.89	44405.29	44576.29	44878.29	45010.29	45130.49	45130.49	45130.49
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

16d

Table 5a. Summer (RFC) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	RFC
Subregion	
Country	U

	SUMMER	Actual					Proje	cted				
Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	161,241	183,912	187,811	192,870	196,002	198,276	200,142	201,911	203,633	205,201	207,039
1a	New Conservation (Energy Efficiency)	0	0	0	0	0	0	0	0	0	0	0
1b	Estimated Diversity	0	6,224	5,944	5,970	6,102	6,276	6,442	6,311	6,333	6,301	6,439
1c	Additions for non-member load (load served by non-registered LSE's	0	0	0	0	0	0	0	0	0	0	0
1d	Stand-by Load Under Contract (Normally served by behind the meter	0	0	0	0	0	0	0	0	0	0	0
2	Total Internal Demand	161,241	177,688	181,867	186,900	189,900	192,000	193,700	195,600	197,300	198,900	200,600
2a	Direct Control Load Management	0	900	900	900	900	900	900	900	900	900	900
2b	Contractually Interruptible (Curtailable)	0	5,300	5,600	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400
2c	Critical Peak-Pricing (CPP) with Control	0	0	0	0	0	0	0	0	0	0	0
2d	Load as a Capacity Resource	0	0	0	0	0	0	0	0	0	0	0
3	Net Internal Demand = 2-2a-2b-2c-2d	161,241	171,488	175,367	177,600	180,600	182,700	184,400	186,300	188,000	189,600	191,300
4a	Demand Response used for Reserves - Spinning	0	0	0	0	0	0	0	0	0	0	0
4b	Demand Response used for Reserves - Non-Spinning	0	0	0	0	0	0	0	0	0	0	0
4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0
4d	Demand Response used for Energy, Voluntary - Emergency	0	0	0	0	0	0	0	0	0	0	0
5	TOTAL INTERNAL CAPACITY = 6+7	221,300	236,483	249,020	257,784	260,935	263,073	264,321	264,321	265,961	265,961	265,961
6	EXISTING CAPACITY = 6a+6b+6c	221,300	236,483	236,483	236,483	236,483	236,483	236,483	236,483	236,483	236,483	236,483
6a	Existing, Certain	215,500	217,683	217,683	217,683	217,683	217,683	217,683	217,683	217,683	217,683	217,683
6a1	Wind Expected On-Peak	200	511	511	511	511	511	511	511	511	511	511
6a2	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
6a3	Hydro Expected On-Peak	2,400	2,226	2,226	2,226	2,226	2,226	2,226	2,226	2,226	2,226	2,226
6a4	Biomass Expected On-Peak	700	727	727	727	727	727	727	727	727	727	727
6a5	Load as a Capacity Resource Expected On-Peak (Load Management	0	0	0	0	0	0	0	0	0	0	0
6b	Existing, Other	4,500	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400
6b1	Wind Derate On-Peak	1,300	3,582	3,582	3,582	3,582	3,582	3,582	3,582	3,582	3,582	3,582
6b2	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b3	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b4	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b5	Load as a Capacity Resource Derate On-Peak (Load Management Pr	0	0	0	0	0	0	0	0	0	0	0
6b7	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
6b8	All Other Derates	0	5,818	5,818	5,818	5,818	5,818	5,818	5,818	5,818	5,818	5,818
6b9	Energy Only	600	0	0	0	0	0	0	0	0	0	0
6c	Existing, Inoperable (Note: Not used in margin calculations)	0	0	0	0	0	0	0	0	0	0	0
7	FUTURE CAPACITY ADDITIONS = 7a+7b	0	0	6,450	10,524	12,960	13,341	14,095	14,095	15,735	15,735	15,735
7a	Future, Planned	0	0	6,450	10,524	12,960	13,341	14,095	14,095	15,735	15,735	15,735
7a1	Wind Expected On-Peak	0	0	1,360	2,402	2,546	2,841	2,947	2,947	2,947	2,947	2,947
7a2	Wind Derate On-Peak	0	0	6,084	10,774	11,489	13,246	13,740	13,740	13,740	13,740	13,740
7a3	Solar Expected On-Peak	0	0	2	2	2	2	2	2	2	2	2
7a4	Solar Derate On-Peak	0	0	4	4	4	4	4	4	4	4	4
7a5	Hydro Expected On-Peak	0	0	130	143	180	180	248	248	248	248	248
7a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a7	Biomass Expected On-Peak	0	0	38	38	38	38	38	38	38	38	38
7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a9	Demand Response Expected On-Peak (Load Management Programs	0	0	0	0	0	0	0	0	0	0	0
	-											

		_	_	_	_	_	_	_	_	_	_	_
7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	0	0	0	0	0	0	0	0	0
7a11	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7a12	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7a13	All Other Derates	0	-	0	0	0	0	0	0	0	0	0
7a14	Energy Only	0	0	0	0	0	0	0	0	0	0	0
7b	Future, Other	0	0	U	0	0	0	U	0	v	O	0
7b1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2	Wind Derate On-Peak	U	0	0	0	0	0	0	0	0	0	0
7b3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	•	0	0	0	•	0	0	0	•	0
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	•	·	-	-	-	•	0	•	•	0
7b10	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b11	All Other Derates	ū		0	0	0		0	0	0	0	
7b12	Energy Only	0	224	-6	-6 5.05.4	-6 7.000	-6	-6	-6	-6	-6	-6
8	Conceptual Wind Function On Real	0	0	3,385	5,954	7,363	9,212	14,233	14,553	16,116	16,116	17,716
8a1	Wind Expected On-Peak	0	0	307	697	1,064	1,366	2,987	2,987	2,987	2,987	2,987
8a2	Wind Derate On-Peak	0	0	1,985 199	4,786 219	7,251 219	8,949 219	16,028 219	16,028 219	16,028 219	16,028 219	16,028 219
8a3	Solar Expected On-Peak Solar Derate On-Peak	0	0	317	349	349	349	349	349	349	349	349
8a4 8a5	Hydro Expected On-Peak	0	0	10	125	125	349	349	349	349	349	349 377
	, ,	0	0	0	0	0	0	0	0	0	0	0
8a6 8a7	Hydro Derate On-Peak Biomass Expected On-Peak	0	0	89	157	235	285	285	285	285	285	285
8a8	Biomass Derate On-Peak	0	0	09	0	233	200	200	200	203	203	263
оао 8a9	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	0
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	215,500	217,683	224,133	228,207	230,643	231,024	231,778	231,778	233,418	233,418	233,418
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	1,300	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	1,300	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
10a1	Full-Responsibility Purchases	1,200	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
10a1	Owned Capacity/Entitlement Located Outside the Region/Subregion	100	100	100	100	100	100	100	100	100	100	100
10b	Non-firm	0	0	0	0	0	0	0	0	0	0	0
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	0	0	0	0	0	0	0	0	0	0
10c1	Full-Responsibility Purchases	0	0	0	0	0	ő	Ö	Ö	0	0	0
10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10d	Provisional – transactions under study, but negotiations have not begin	0	0	0	0	0	0	0	0	0	0	0
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	1100.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	1,100	600	600	600	600	600	600	600	600	600	600
11a1	Full-Responsibility Purchases	700.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	400	0	0	0	0	0	0	0	0	0	0
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not begi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6	215700.00	219583.07	219583.07	219583.07	219583.07	219583.07	219583.07	219583.07	219583.07	219583.07	219583.07
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	219583.07	226032.65	230107.28	232543.18	232923.68	233677.68	233677.68	235317.68	235317.68	235317.68
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	228983.07	235432.65	239507.28	241943.18	242323.68	243077.68	243077.68	244717.68	244717.68	244717.68
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F	0.00	228983.07	238818.02	245461.43	249305.70	251535.20	257310.20	257630.20	260833.20	260833.20	262433.20
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+16	0.00	228983.07	236529.17	241248.27	244107.76	244871.59	246561.80	246627.04	249774.73	249774.73	250276.81
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.00	0.32	0.29	0.29	0.28	0.24	0.24	0.31	0.31	0.31
16d	Net Conceptual Resources After Confidence Percentage Is Applied =	0.00	0.00	1096.52	1740.99	2164.58	2547.91	3484.12	3549.36	5057.05	5057.05	5559.13

Table 5a. Summer (SERC) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	SERC
Subregion	
Country	U

	SUMMER	Actual	Projected									
Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	191,032	202,021	206,207	211,545	215,488	219,468	223,068	226,532	229,799	232,265	236,738
1a	New Conservation (Energy Efficiency)	0	387	574	728	886	999	1,141	1,288	1,402	1,508	1,629
1b	Estimated Diversity	0	723	732	750	764	802	848	822	842	860	913
1c	Additions for non-member load (load served by non-registered LSE's	0	280	288	288	289	289	290	290	293	294	297
1d	Stand-by Load Under Contract (Normally served by behind the meter	0	159	162	166	168	170	172	175	179	1,100	181
2	Total Internal Demand	191,032	201,350	205,351	210,521	214,295	218,126	221,541	224,887	228,027	231,291	234,674
2a	Direct Control Load Management	696	1,056	1,205	1,378	1,440	1,533	1,669	1,759	1,883	1,944	1,957
2b	Contractually Interruptible (Curtailable)	3,604	4,205	4,589	4,833	4,829	4,808	4,812	4,814	4,819	4,822	4,826
2c	Critical Peak-Pricing (CPP) with Control	0	0	0	0	0	0	0	0	0	0	0
2d	Load as a Capacity Resource	225	256	260	265	270	273	276	279	281	284	286
3	Net Internal Demand = 2-2a-2b-2c-2d	186,507	195,833	199,297	204,045	207,756	211,512	214,784	218,035	221,044	224,241	227,605
4a	Demand Response used for Reserves - Spinning	608	605	605	605	605	605	605	605	605	605	605
4b	Demand Response used for Reserves - Non-Spinning	241	256	256	256	256	256	256	256	256	256	256
4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0
4d	Demand Response used for Energy, Voluntary - Emergency	492	519	595	606	614	614	615	615	616	617	617
5	TOTAL INTERNAL CAPACITY = 6+7	252,775	257,581	263,080	269,379	271,967	272,918	274,827	280,015	281,149	281,169	282,664
6	EXISTING CAPACITY = 6a+6b+6c	252,775	256,540	257,510	259,592	259,808	259,746	260,048	259,969	260,003	260,023	259,801
6a	Existing, Certain	244,284	245,545	246,031	246,295	247,218	246,646	246,670	246,489	245,671	245,546	244,883
6a1	Wind Expected On-Peak	10	10	10	10	10	10	10	10	10	10	10
6a2	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
6a3	Hydro Expected On-Peak	11,627	11,598	12,487	12,512	12,516	12,518	12,518	12,518	12,518	12,518	12,518
6a4	Biomass Expected On-Peak	217	252	252	252	252	252	252	252	252	252	252
6a5	Load as a Capacity Resource Expected On-Peak (Load Management	0	0	0	0	0	0	0	0	0	0	0
6b	Existing, Other	6,888	9,394	9,932	11,749	11,042	11,512	11,724	11,820	12,655	12,790	13,231
6b1	Wind Derate On-Peak	92	92	92	92	92	92	92	92	92	92	92
6b2	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b3	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b4	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b5	Load as a Capacity Resource Derate On-Peak (Load Management Pi	0	0	0	0	0	0	0	0	0	0	0
6b7	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
6b8	All Other Derates	0	0	17	18	18	58	124	130	147	157	157
6b9	Energy Only	480	1,704	1,861	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675
6c	Existing, Inoperable (Note: Not used in margin calculations)	1,511	1,509	1,438	1,438	1,438	1,438	1,438	1,438	1,438	1,438	1,438
7	FUTURE CAPACITY ADDITIONS = 7a+7b	0	1,041	5,570	9,787	12,159	13,172	14,779	20,046	21,146	21,146	22,863
7a	Future, Planned	0	1,041	5,570	9,787	12,159	13,172	14,779	20,046	21,146	21,146	22,863
7a1	Wind Expected On-Peak	0	12	24	36	68	68	68	68	68	68	68
7a2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a5	Hydro Expected On-Peak	0	0	0	0	24	24	24	24	24	24	24
7a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a7	Biomass Expected On-Peak	0	0	0	130	130	280	280	280	280	280	280
7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a9	Demand Response Expected On-Peak (Load Management Programs	0	0	0	0	0	0	0	0	0	0	0
	_											

= 40	B											
7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	0	0	0	0	0	0	0	0	0
7a11	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7a12	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7a13	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7a14	Energy Only	0	0	0	0	0	0	0	0	0	0	0
7b	Future, Other	0	0	0	0	0	0	0	0	0	0	0
7b1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7b10	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b11	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7b12	Energy Only	0	0	0	0	0	0	0	0	0	0	0
8	Conceptual	0	29	304	526	1,798	4,158	5,415	8,245	9,389	10,843	12,135
8a1	Wind Expected On-Peak	0	0	0	32	45	52	125	178	228	278	278
8a2	Wind Derate On-Peak	0	0	0	209	362	447	749	831	876	921	921
8a3	Solar Expected On-Peak	0	0	2	2	2	2	2	2	2	2	2
8a4	Solar Derate On-Peak	0	0	3	3	3	3	3	3	3	3	3
8a5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a7	Biomass Expected On-Peak	0	29	65	65	65	165	265	365	105	565	565
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	0	0	0	0	604	604	604	604	1,091	1,091
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	0
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	244,284	246,586	251,601	256,082	259,377	259,818	261,449	266,535	266,817	266,692	267,746
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	16,429	17,654	14,373	13,303	12,716	13,797	13,350	11,447	11,573	11,516	12,040
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	16,243	17,356	13,998	12,801	12,412	13,416	12,945	11,190	11,314	11,255	11,777
10a1	Full-Responsibility Purchases	3,657	4,461	4,542	4,264	4,567	5,636	5,124	3,832	3,895	3,813	4,228
10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	189	278	398	534	534	534	534	534	534	534	534
10b	Non-firm	0	104	54	54	54	54	1	1	1	1	1
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	186	194	246	248	250	252	254	256	258	260	262
10c1	Full-Responsibility Purchases	0	0	0	0	0	0	0	0	0	0	0
10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10d	Provisional – transactions under study, but negotiations have not begin	0	0	75	200	0	75	150	0	0	0	0
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	13177.00	16668.00	13219.00	12524.00	11621.00	11568.00	11236.00	9006.00	9167.00	9186.00	9290.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	13,127	16,462	13,113	12,418	11,515	11,462	11,236	9,006	9,167	9,186	9,290
11a1	Full-Responsibility Purchases	148.00	237.00	350.00	470.00	470.00	470.00	516.00	516.00	516.00	516.00	516.00
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	1,314	1,497	1,381	1,397	1,397	1,397	1,397	1,397	1,397	1,397	1,397
11b	Non-firm	50.00	206.00	106.00	106.00	106.00	106.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not begin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6		246439.18				248600.48		248673.48			########
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	247674.18	252731.78	256712.78			263411.98	268974.98	269221.98		
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	257068.38	262663.98	268461.38			275135.58	280795.08			
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F		257097.13		269187.51		277768.35	280700.75		291266.45		
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+16	0.00	257068.38	262738.98			273610.58	275285.58	280795.08			
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16d	Net Conceptual Resources After Confidence Percentage Is Applied =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	3.30	3.50	0.00	0.50	5.50	3.50	3.30	3.30	3.50	3.00

Released: December 2010

Next Update: December 2011

Table 5a. Summer (SPP) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	SPP
Subregion	
Country	U

Umesticated Non-consciented Pear Demand = 2+1a+1b+1c+1d		SUMMER	Actual					Projec	ted				
1	Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
bb Estimated Diversity π π 0	1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	41,465	43,451	44,107	45,435	46,189	46,788	47,376	48,002	48,672	49,346	49,987
c Lo Additions for non-member load (load served by behind the meter lad 0 <	1a	New Conservation (Energy Efficiency)	0	56	102	146	177	208	236	239	241	245	248
Math-by Load Under Contract (Normally served by behind the meter 10	1b	Estimated Diversity	0	0	0	0	0	0	0	0	0	0	0
Total Internal Demand	1c	Additions for non-member load (load served by non-registered LSE's	0	0	0	0	0	0	0	0	0	0	0
Direct Control Load Management 0 15 31 45 54 59 66 70 73 73 73 73 73 73 73	1d	Stand-by Load Under Contract (Normally served by behind the meter	0	0	0	0	0	0	0	0	0	0	0
Decided Deci	2	Total Internal Demand	41,465	43,395	44,005	45,289	46,012	46,579	47,140	47,762	48,431	49,100	49,739
cc Critical Peak-Pricing (CPP) with Control 0 4 Districal Sing Sing Sing Sing S	2a	Direct Control Load Management	0	15	31	45	54	59	66	70	73	73	73
2d Load as a Capacity Resource 0	2b	Contractually Interruptible (Curtailable)	348	403	407	410	415	418	411	412	415	417	420
Net Internal Demand = 2-2a-2b-2c-2d	2c	Critical Peak-Pricing (CPP) with Control	0	0	0	0	0	0	0	0	0	0	0
Aa Demand Response used for Reserves - Spinning 0 0 0 0 0 0 0 0 0	2d	Load as a Capacity Resource	•	0	0	0	0	0	0	0	0	0	0
Ab	3	Net Internal Demand = 2-2a-2b-2c-2d	41,117	42,976	43,567	44,834	45,544	46,102	46,663	47,281	47,944	48,611	49,247
Act Demand Response used for Regulation	4a	Demand Response used for Reserves - Spinning	0	0	0	0	0	0	0	0	0	0	0
Demand Response used for Energy, Voluntary - Emergency	4b	Demand Response used for Reserves - Non-Spinning	0	0	0	0	0	0	0	0	0	0	0
5 TOTAL INTERNAL CAPACITY = 6+7 57,773 59,921 62,731 63,424 64,483 65,013 65,289 65,803 66,450 66,469 6 EXISTING CAPACITY = 6a+6b+6c 57,773 59,921 52,489 24,82 24,62 24,	4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0
6 EXISTING CAPACITY = 6a+6b+6c 57,773 59,921 59,21	4d	Demand Response used for Energy, Voluntary - Emergency	•	0	-	0	0	0	0	0	0	0	0
6a Existing, Certain 47,552 52,489	5	TOTAL INTERNAL CAPACITY = 6+7	57,773	59,921	62,731	63,424	64,483	65,013	65,289	65,479	65,803	66,450	66,460
6a1 Wind Expected On-Peak 237	6	EXISTING CAPACITY = 6a+6b+6c	57,773	59,921	59,921	59,921	59,921	59,921	59,921	59,921	59,921	59,921	59,921
Ga2 Solar Expected On-Peak 16 0 <td>6a</td> <td>Existing, Certain</td> <td>47,552</td> <td>52,489</td>	6a	Existing, Certain	47,552	52,489	52,489	52,489	52,489	52,489	52,489	52,489	52,489	52,489	52,489
6a3 Hydro Expected On-Peak 2,117 2,150 </td <td>6a1</td> <td>Wind Expected On-Peak</td> <td>237</td>	6a1	Wind Expected On-Peak	237	237	237	237	237	237	237	237	237	237	237
6a4 Biomass Expected On-Peak 5 </td <td>6a2</td> <td>Solar Expected On-Peak</td> <td></td> <td>0</td>	6a2	Solar Expected On-Peak		0	0	0	0	0	0	0	0	0	0
6a5 Load as a Capacity Resource Expected On-Peak (Load Managemer O) 0<	6a3	Hydro Expected On-Peak	2,117	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150
6b Existing, Other 7,108 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 4,546 546 546 4,546 4,546 4,546 4,546 4,546 4,546 2,462	6a4	Biomass Expected On-Peak	5	5	5	5	5	5	5	5	5	5	5
6b1 Wind Derate On-Peak 2,462	6a5		-	0		0	0	0				-	0
6b2 Solar Derate On-Peak 0	6b	Existing, Other	7,108	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546
6b3 Hydro Derate On-Peak 28 85 </td <td>6b1</td> <td>Wind Derate On-Peak</td> <td>2,462</td>	6b1	Wind Derate On-Peak	2,462	2,462	2,462	2,462	2,462	2,462	2,462	2,462	2,462	2,462	2,462
6b4 Biomass Derate On-Peak 0 <td>6b2</td> <td>Solar Derate On-Peak</td> <td>0</td>	6b2	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b5 Load as a Capacity Resource Derate On-Peak (Load Management F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6b3	Hydro Derate On-Peak	28	85				85		85			85
6b7 Transmission-Limited Resources 0 <			0	0	0	0	0	0	0	0	0	0	0
6b8 All Other Derates 50		Load as a Capacity Resource Derate On-Peak (Load Management F	0	0	0	0	U	0	0	0	0	0	0
6b9 Energy Only 0 289	6b7		0	0	0	0	0	0	0	0	0	0	0
6c Existing, Inoperable (Note: Not used in margin calculations) 573 289		All Other Derates	50	50	50	50	50	50	50	50	50	50	50
7 FUTURE CAPACITY ADDITIONS = 7a+7b 0 0 2,550 2,957 3,816 4,347 4,622 4,813 5,136 5,784 5,793 7a Future, Planned 0 0 2,550 2,957 3,816 4,347 4,622 4,813 5,136 5,784 5,793 7a1 Wind Expected On-Peak 0 0 20 51 745 745	6b9		0	0	0	0	•		-	-	-	-	-
7a Future, Planned 0 0 2,550 2,957 3,816 4,347 4,622 4,813 5,136 5,784 5,793 7a1 Wind Expected On-Peak 0 0 20 51			573	289			289			289	289	289	
7a1 Wind Expected On-Peak 0 0 20 51 <td></td> <td></td> <td>U</td> <td></td> <td></td> <td></td> <td>,</td> <td>,</td> <td></td> <td></td> <td>,</td> <td></td> <td></td>			U				,	,			,		
7a2 Wind Derate On-Peak 0 0 260 545 745		,	Ū			,	,	,		,	,	,	,
7a3 Solar Expected On-Peak 0 0 5 27 27 27 41 <td></td> <td></td> <td>U</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			U	•									
7a4 Solar Derate On-Peak 0			0	0					745	745	745		
7a5 Hydro Expected On-Peak 0 4 8 14 16 18 <td></td> <td>·</td> <td>0</td> <td>0</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		·	0	0	-								
7a6 Hydro Derate On-Peak 0			0	U	-	•	•	-	-	-	-	-	-
7a7 Biomass Expected On-Peak 0 0 6 6 76 76 79 79 79 79 79			0	4	-								
			0	0	•	Ū			-	-	-	-	
7a8 Biomass Derate On-Peak 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			ŭ	ū	•	-							
	7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0

7a9 7a10	Demand Response Expected On-Peak (Load Management Program Demand Response Derate On-Peak (Load Management Programs)	0	0	3	79 0	160 0	265 0	302 0	337 0	352 0	369 0	371 0
7a10	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0		0	0
7a12	Scheduled Outage - Maintenance	0	0	0	•	0	0	·	0	0	0	0
7a13	All Other Derates	0	0	0	0	-	0	0			0	0
7a14	Energy Only	Ū	•	•	0	0	-	ŭ	0	0		
7b	Future, Other	0	0	0	0	0	0	0	0	0	0	0
7b1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7b10	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b11	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7b12	Energy Only	0	224	-6	-6	-6	-6	-6	-6	-6	-6	-6
8	Conceptual	0	0	3,545	10,168	16,315	17,725	18,481	20,076	20,076	20,076	20,356
8a1	Wind Expected On-Peak	0	0	3,404	8,978	14,318	15,728	0	17,484	17,484	17,484	17,484
8a2	Wind Derate On-Peak	0	0	340	897	1,431	1,572	1,648	1,748	2,048	2,048	2,048
8a3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a5	Hydro Expected On-Peak	0	0	16	16	21	21	21	21	21	21	21
8a6	Hydro Derate On-Peak	0	0	2	2	3	3	3	3	3	3	3
8a7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	0
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	47,552	52,489	55,039	55,446	56,305	56,836	57,111	57,302	57,625	58,273	58,282
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	5,077	4,145	3,873	4,366	4,166	4,781	3,708	4,326	5,032	5,193	5,618
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	5,026	3,760	3,382	4,026	3,768	4,333	3,207	3,765	4,389	4,979	5,372
10a1	Full-Responsibility Purchases	3,084	2,103	1,713	2,078	2,098	2,636	1,697	2,244	2,789	3,334	3,679
10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	320	320	359	398	437	476	218	257	296	335	374
10b	Non-firm	51	0	0	0	0	0	0	0	0	0	0
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	385	491	340	398	448	501	561	643	214	246
10c1	Full-Responsibility Purchases	0	75	145	22	42	42	50	58	87	116	145
10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10d	Provisional – transactions under study, but negotiations have not beg	0	0	0	0	0	0	0	0	0	0	0
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	3384.00	3336.00	3335.00	3335.00	3317.00	3248.00	3443.00	3333.00	3328.00	3325.00	3320.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	3,384	3,336	3,335	3,335	3,317	3,248	3,443	3,333	3,328	3,325	3,320
11a1	Full-Responsibility Purchases	2061.00	2116.00	2184.00	2184.00	2214.00	2221.00	2213.00	2175.00	2167.00	2159.00	2151.00
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	66	66	86	68	88	108	268	288	308	270	270
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not beg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6	49193.99	52912.96	52535.53	53179.53	52940.23	53573.33	52252.53	52921.03		54143.13	54540.43
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	53297.96	55576.43	56476.73	57154.43	58368.43	57375.67	58295.03	59329.34	60140.89	60579.69
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	57844.38	60122.85	61023.15	61700.85	62914.85	61922.09	62841.45	63875.76	64687.31	65126.11
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F	0.00	57844.38	63667.85	71191.15	78015.45	80639.45	80402.69	82917.05	83951.36	84762.91	85481.71
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+1	0.00	57844.38	60477.35	62039.95	63332.31	64687.31	63770.15	64849.01		66694.87	67161.67
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

16d

Table 5a. Summer (TRE) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	TRE
Subregion	
Country	U

	SUMMER	Actual	ual Projected									
Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	63,518	64,052	65,206	66,658	68,265	69,451	70,517	71,376	72,630	73,656	74,709
1a	New Conservation (Energy Efficiency)	0	242	242	242	242	242	242	242	242	242	242
1b	Estimated Diversity	0	0	0	0	0	0	0	0	0	0	0
1c	Additions for non-member load (load served by non-registered LSE's	0	0	0	0	0	0	0	0	0	0	0
1d	Stand-by Load Under Contract (Normally served by behind the meter	0	0	0	0	0	0	0	0	0	0	0
2	Total Internal Demand	63,518	63,810	64,964	66,416	68,023	69,209	70,275	71,134	72,388	73,414	74,467
2a	Direct Control Load Management	0	0	0	0	0	0	0	0	0	0	0
2b	Contractually Interruptible (Curtailable)	0	336	370	407	447	492	541	595	655	720	792
2c	Critical Peak-Pricing (CPP) with Control	0	0	0	0	0	0	0	0	0	0	0
2d	Load as a Capacity Resource	0	1,062	1,062	1,062	1,062	1,062	1,062	1,062	1,062	1,062	1,062
3	Net Internal Demand = 2-2a-2b-2c-2d	63,518	62,412	63,532	64,947	66,514	67,655	68,672	69,477	70,671	71,632	72,613
4a	Demand Response used for Reserves - Spinning	0	0	0	0	0	0	0	0	0	0	0
4b	Demand Response used for Reserves - Non-Spinning	0	0	0	0	0	0	0	0	0	0	0
4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0
4d	Demand Response used for Energy, Voluntary - Emergency	0	0	0	0	0	0	0	0	0	0	0
5	TOTAL INTERNAL CAPACITY = 6+7	86,981	95,156	93,368	95,163	96,405	97,161	98,047	98,047	98,047	98,047	98,047
6	EXISTING CAPACITY = 6a+6b+6c	86,981	95,066	95,066	95,066	95,066	95,066	95,066	95,066	95,066	95,066	95,066
6a	Existing, Certain	75,488	74,827	74,827	74,827	74,827	74,827	74,827	74,827	74,827	74,827	74,827
6a1	Wind Expected On-Peak	745	793	793	793	793	793	793	793	793	793	793
6a2	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
6a3	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
6a4	Biomass Expected On-Peak	89	91	91	91	91	91	91	91	91	91	91
6a5	Load as a Capacity Resource Expected On-Peak (Load Management	0	0	0	0	0	0	0	0	0	0	0
6b	Existing, Other	0	8,895	8,895	8,895	8,895	8,895	8,895	8,895	8,895	8,895	8,895
6b1	Wind Derate On-Peak	7,795	8,323	8,323	8,323	8,323	8,323	8,323	8,323	8,323	8,323	8,323
6b2	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b3	Hydro Derate On-Peak	586	572	572	572	572	572	572	572	572	572	572
6b4	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
6b5	Load as a Capacity Resource Derate On-Peak (Load Management Pi	0	0	0	0	0	0	0	0	0	0	0
6b7	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
6b8	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
6b9	Energy Only	0	0	0	0	0	0	0	0	0	0	0
6c	Existing, Inoperable (Note: Not used in margin calculations)	3,112	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449
7	FUTURE CAPACITY ADDITIONS = 7a+7b	0	90	-2,016	-358	344	1,100	1,770	1,770	1,770	1,770	1,770
7a	Future, Planned	0	0	-2,106	-448	254	1,010	1,680	1,680	1,680	1,680	1,680
7a1	Wind Expected On-Peak	0	0	30	43	95	95	115	115	115	115	115
7a2	Wind Derate On-Peak	0	0	318	455	995	995	1,211	1,211	1,211	1,211	1,211
7a3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a7	Biomass Expected On-Peak	0	0	45	145	145	145	145	145	145	145	145
7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a9	Demand Response Expected On-Peak (Load Management Programs	0	0	0	0	0	0	0	0	0	0	0

7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	0	0	0	0	0	0	0	0	0
7a10	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7a11	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7a12	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7a14	Energy Only	0	0	0	0	0	0	0	0	0	0	0
7b	Future, Other	0	90	90	90	90	90	90	90	90	90	90
7b1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b1 7b2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b3 7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4 7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7b3	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b10	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7b12	Energy Only	0	224	-6	-6	-6	-6	-6	-6	-6	-6	-6
8	Conceptual	0	132	4,842	10,061	15,095	15,751	23,745	23,745	23,745	24,445	24,445
8a1	Wind Expected On-Peak	0	119	1,890	3,033	4,062	4,718	4,762	4,762	4,762	4,762	4,762
8a2	Wind Derate On-Peak	0	1,254	8,436	14,253	25,045	29,087	29,544	29,544	29,544	29,544	29,544
8a3	Solar Expected On-Peak	0	0	549	549	549	549	549	549	549	549	549
8a4	Solar Derate On-Peak	0	0	0	0	0	0	0.0	0	0	0	0
8a5	Hydro Expected On-Peak	0	Ö	0	0	0	0	0	0	0	0	0
8a6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a7	Biomass Expected On-Peak	0	0	50	50	50	50	50	50	50	50	50
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	Ö	0	Ö	0	0	0	0	0	0	0
8a10	Energy Only	0	0	0	0	0	0	0	0	0	0	Ő
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	75,488	74,827	72,721	74,379	75,081	75,837	76,507	76,507	76,507	76,507	76,507
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	812	601	601	601	601	601	601	601	601	601	601
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	812	601	601	601	601	601	601	601	601	601	601
10a1	Full-Responsibility Purchases	0	0	0	0	0	0	0	0	0	0	0
10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10b	Non-firm	0	0	0	0	0	0	0	0	0	0	0
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	0	0	0	0	0	0	0	0	0	0
10c1	Full-Responsibility Purchases	0	0	0	0	0	0	0	0	0	0	0
10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10d	Provisional – transactions under study, but negotiations have not begin	0	0	0	0	0	0	0	0	0	0	0
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	20.00	247.00	247.00	247.00	247.00	247.00	247.00	247.00	247.00	247.00	247.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	20	247	247	247	247	247	247	247	247	247	247
11a1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not begin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6	76280.00	75180.89	75180.89	75180.89	75180.89	75180.89	75180.89	75180.89	75180.89	75180.89	75180.89
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra	0.00	75180.89	73075.17	74733.22	75434.72	76190.72	76861.25	76861.25	76861.25	76861.25	76861.25
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	84164.00	82058.27	83716.32	84417.83	85173.83	85844.36	85844.36	85844.36	85844.36	85844.36
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F	0.00	84298.29	86902.08	93779.40	99514.24	100926.85	109590.89	109590.89	109590.89	110290.89	110290.89
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+16	0.00	84193.15	83123.52	85929.80	87738.64	88639.10	91068.20	91068.20	91068.20	91222.20	91222.20
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	88.20	88.20	88.20	88.20	88.20	88.20	88.20	88.20	88.20	88.20
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
16d	Net Conceptual Resources After Confidence Percentage Is Applied =	0.00	29.15	1065.24	2213.48	3320.81	3465.27	5223.84	5223.84	5223.84	5377.84	5377.84

Table 5a. Summer (WECC) Historical and Projected Demand and Capacity, Calendar Year 2009 (Megawatts)

Region	WECC
Subregion	
Country	U

	SUMMER	Actual	Projected									
Line#	DESCRIPTION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Unrestricted Non-coincident Peak Demand = 2+1a+1b-1c-1d	128,245	127,764	130,297	132,129	132,403	135,534	137,581	140,456	142,268	143,849	143,861
1a	New Conservation (Energy Efficiency)	0	727	1,062	1,385	1,379	1,373	1,363	1,356	1,340	1,309	1,258
1b	Estimated Diversity	0	0	0	0	0	0	0	0	0	0	0
1c	Additions for non-member load (load served by non-registered LSE's	0	0	0	0	0	0	0	0	0	0	0
1d	Stand-by Load Under Contract (Normally served by behind the meter	0	2,035	2,077	2,124	2,192	2,241	2,371	2,422	2,525	2,579	2,634
2	Total Internal Demand	128,245	129,072	131,312	132,868	133,216	136,402	138,589	141,522	143,453	145,119	145,237
2a	Direct Control Load Management	1,263	740	1,462	1,549	1,607	1,655	1,716	1,724	1,756	1,709	1,719
2b	Contractually Interruptible (Curtailable)	1,465	2,618	2,117	2,154	2,188	2,263	2,317	2,307	2,255	2,246	2,239
2c	Critical Peak-Pricing (CPP) with Control	0	386	49	89	141	167	191	197	202	208	214
2d	Load as a Capacity Resource	2,636	404	1,366	1,581	1,821	2,015	2,127	2,232	2,303	2,342	2,381
3	Net Internal Demand = 2-2a-2b-2c-2d	122,881	124,924	126,318	127,495	127,459	130,302	132,238	135,062	136,937	138,614	138,684
4a	Demand Response used for Reserves - Spinning	0	0	0	0	0	0	0	0	0	0	0
4b	Demand Response used for Reserves - Non-Spinning	28	28	28	28	28	28	28	28	28	28	28
4c	Demand Response used for Regulation	0	0	0	0	0	0	0	0	0	0	0
4d	Demand Response used for Energy, Voluntary - Emergency	85	0	0	0	0	0	25	25	25	25	25
5	TOTAL INTERNAL CAPACITY = 6+7	208,595	186,534	201,537	213,508	222,116	227,015	233,857	235,764	235,820	235,820	235,820
6	EXISTING CAPACITY = 6a+6b+6c	208,595	185,583	185,583	185,583	185,583	185,583	185,583	185,583	185,583	185,583	185,583
6a	Existing, Certain	152,467	158,486	158,486	158,486	158,486	158,486	158,486	158,486	158,486	158,486	158,486
6a1	Wind Expected On-Peak	913	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,942
6a2	Solar Expected On-Peak	450	444	444	444	444	444	444	444	444	444	444
6a3	Hydro Expected On-Peak	44,196	34,783	34,783	34,783	34,783	34,783	34,783	34,783	34,783	34,783	34,783
6a4	Biomass Expected On-Peak	1,245	655	655	655	655	655	655	655	655	655	655
6a5	Load as a Capacity Resource Expected On-Peak (Load Management	0	0	0	0	0	0	0	0	0	0	0
6b	Existing, Other	30,604	0	0	0	0	0	0	0	0	0	0
6b1	Wind Derate On-Peak	8,225	7,196	7,196	7,196	7,196	7,196	7,196	7,196	7,196	7,196	7,196
6b2	Solar Derate On-Peak	84	90	90	90	90	90	90	90	90	90	90
6b3	Hydro Derate On-Peak	10,541	9,095	9,095	9,095	9,095	9,095	9,095	9,095	9,095	9,095	9,095
6b4	Biomass Derate On-Peak	400	990	990	990	990	990	990	990	990	990	990
6b5	Load as a Capacity Resource Derate On-Peak (Load Management Pi	0	0	0	0	0	0	0	0	0	0	0
6b7	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
6b8	All Other Derates	6,274	9,726	9,726	9,726	9,726	9,726	9,726	9,726	9,726	9,726	9,726
6b9	Energy Only	0	0	0	0	0	0	0	0	0	0	0
6c	Existing, Inoperable (Note: Not used in margin calculations)	0	0	0	0	0	0	0	0	0	0	0
7	FUTURE CAPACITY ADDITIONS = 7a+7b	0	812	9,963	15,745	19,142	20,882	23,216	24,002	23,776	23,683	23,600
7a	Future, Planned	0	812	9,963	15,745	19,142	20,882	23,216	24,002	23,776	23,683	23,600
7a1	Wind Expected On-Peak	0	158	825	1,091	1,350	1,337	3,671	3,262	3,075	2,982	2,905
7a2	Wind Derate On-Peak	0	139	3,158	7,084	8,960	9,946	13,098	13,787	13,974	14,067	14,144
7a3	Solar Expected On-Peak	0	5	57	77	77	77	77	77	77	77	77
7a4	Solar Derate On-Peak	0	0	2,791	4,948	8,277	10,412	11,769	12,290	12,290	12,290	12,290
7a5	Hydro Expected On-Peak	0	40	12	430	430	483	483	537	537	537	537
7a6	Hydro Derate On-Peak	0	0	42	148	154	192	191	102	197	197	203
7a7	Biomass Expected On-Peak	0	0	94	94	110	110	110	110	110	110	110
7a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7a9	Demand Response Expected On-Peak (Load Management Programs	0	0	0	0	0	0	0	0	0	0	0

	D 1D D 10 D 10 D 10											
7a10	Demand Response Derate On-Peak (Load Management Programs)	0	0	0	0	0	0	0	0	0	0	0
7a11	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7a12	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7a13	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7a14	Energy Only	0	0	0	0	0	0	0	0	0	0	0
7b	Future, Other	0	0	0	0	0	0	0	0	0	0	0
7b1	Wind Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b2	Wind Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b3	Solar Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b4	Solar Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b5	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b6	Hydro Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b7	Biomass Expected On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
7b9	Transmission-Limited Resources	0	0	0	0	0	0	0	0	0	0	0
7b10	Scheduled Outage - Maintenance	0	0	0	0	0	0	0	0	0	0	0
7b11	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
7b12	Energy Only	0	0	0	0	0	0	0	0	0	0	0
8	Conceptual	0	Ö	0	224	689	1,403	1,934	2,734	3,190	3,972	4,052
8a1	Wind Expected On-Peak	0	0	0	11	11	75	27	39	82	170	218
8a2	Wind Derate On-Peak	0	0	0	60	314	736	784	772	803	930	974
8a3	Solar Expected On-Peak	0	0	0	1	196	399	399	550	560	598	607
	Solar Derate On-Peak	0	0	0	65	130	227	227	78	68	66	57
8a4	Hydro Expected On-Peak	0	0	0	0	0	0	0	0	00	0	0
8a5		Ū	0	0		-	0		0	0		0
8a6	Hydro Derate On-Peak	0	0	-	0	0	0	0	8	8	0 8	-
8a7	Biomass Expected On-Peak	•	-	0	0	•	ū	8	-	-	-	8
8a8	Biomass Derate On-Peak	0	0	0	0	0	0	0	0	0	0	0
8a9	All Other Derates	0	0	0	0	0	0	0	0	0	0	0
8a10	Energy Only	·	0	0	0	0	ŭ	0	0	0	0	ŭ
9	ANTICIPATED INTERNAL CAPACITY = 6a+7a	152,467	159,437	174,440	186,411	195,019	199,918	206,760	208,667	208,723	208,723	208,723
10	CAPACITY TRANSACTIONS - IMPORTS = 10a+10b+10c+10d	132	2,147	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
10a	Firm (Note: The sum of 10a1 and 10a2 must be <= 10a)	0	2,140	2,200	2,122	2,200	1,820	1,721	2,170	2,200	2,169	2,157
10a1	Full-Responsibility Purchases	•	0	0	0	0	0	0	0	0	0	0
10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10b	Non-firm	0	0	0	0	0	0	0	0	0	0	0
10c	Expected (Note: The sum of 10c1 and 10c2 must be <= 10c)	0	7	0	78	0	380	479	30	0	31	43
10c1	Full-Responsibility Purchases	0	0	0	0	0	0	0	0	0	0	0
10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
10d	Provisional – transactions under study, but negotiations have not begi	0	0	0	0	0	0	0	0	0	. 0	0
11	CAPACITY TRANSACTIONS - EXPORTS = 11a+11b+11c+11d	1200.00	87.00	0.00	0.00	25.00	241.00	187.00	0.00	0.00	47.00	32.00
11a	Firm (Note: The sum of 11a1 and 11a2 must be <= 11a)	0	15	0	0	25	241	0	0	0	0	0
11a1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	0	0	0	0	0	0	0	0	0	0
11b	Non-firm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c	Expected (Note: The sum of 11c1 and 11c2 must be <= 11c)	0.00	72.00	0.00	0.00	0.00	0.00	187.00	0.00	0.00	47.00	32.00
11c1	Full-Responsibility Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11d	Provisional – transactions under study, but negotiations have not begi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	EXISTING, CERTAIN CAPACITY & NET FIRM TRANSACTIONS = 6		160611.00		160608.00	160661.00			160656.00	160686.00		160643.00
13	ANTICIPATED CAPACITY RESOURCES = 12+7a+Net Expected Tra			170649.00	176431.00	179803.00			184688.00	184462.00		184254.00
14	PROSPECTIVE CAPACITY RESOURCES = 13+6b+16b	0.00	161358.00		176431.00	179803.00	181327.00	183715.00	184688.00	184462.00		184254.00
15	TOTAL POTENTIAL CAPACITY RESOURCES = 13+6b+7b+8+Net F		161358.00		176655.00	180492.00	182730.00		187422.00	187652.00		188306.00
15a	ADJUSTED POTENTIAL CAPACITY RESOURCES = 13+6b+16b+16	0.00		170649.00		180492.00			187422.00	187652.00		188306.00
16a	Confidence of Future, Other (7b), using reasonable judgement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16b	Net Future, Other Resources After Confidence Percentage Is Applied	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16c	Confidence of Conceptual (8), using reasonable judgement	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16d	Net Conceptual Resources After Confidence Percentage Is Applied =	0.00	0.00	0.00	224.00	689.00	1403.00	1934.00	2734.00	3190.00	3972.00	4052.00

Footnotes and Source

Notes: • Actual data are final. • Historical data series are shown in two files (1990-2004 and 2005+) reflecting the transformation of the NERC regions into the new industry organization entity that oversee electric reliability. • NERC Regional names may be found on the EIA web page for electric reliability.

1./ The ReliabilityFirst Corporation value for Net Internal Demand in 2007 is set for total demand per availability of information.

- Regional name and function has changed from Electric Reliability Council of Texas (ERCOT) to Texas Reliability Entity (TRE). The name ERCOT is now associated with regional transmission organization.
- Regional name has changed from Mid-Continent Area Power Pool (MAPP) to Midwest Reliability Organization (MRO).
- The MRO, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series have not been adjusted.
- ECAR, MAAC, and MAIN dissolved at the end-of-2005. Utility membership joined other reliability regional councils.
- ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006, and submitted a

consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN. Many of the

- Represents an hour of a day during the associated peak period. The summer peak period begins on June 1 and extends through September 30. • The winter peak period begins on December 1 and extends through February 28 of the following year. For example, winter 2001 begins December 1, 2001, and extends through February 28, 2002.
- Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-411, "Coordinated Bulk Power Supply Program Report."