

Form EIA-411 for 2007

WINTER

Released: February 2009

Next Update: October 2009

Table 5j. Winter (FRCC) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	FRCC
Subregion	
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	41,701	49,601	50,463	51,606
1a	New Conservation (Energy Efficiency)	-	-	-	-
1b	Estimated Diversity	-	-	-	-
1c	Additions for non-member load (load served by non-registered LSE's in a region)	-	-	-	-
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)	-	-	-	-
2	Total Internal Demand	41,701	49,601	50,463	51,606
2a	Direct Control Load Management	116	2,790	2,857	2,928
2b	Contractually Interruptible (Curtable)	96	718	705	715
2c	Critical Peak-Pricing (CPP) with Control	-	-	-	-
2d	Load as a Capacity Resource	-	-	-	-
3	Net Internal Demand = 2-2a-2b-2c-2d	41,489	46,093	46,901	47,963
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	-	-	-	-
4a	Spinning Reserves	-	-	-	-
4b	Non-Spinning Reserves	-	-	-	-
4c	Regulation	-	-	-	-

4d	Emergency	-	-	-	-
5	TOTAL INTERNAL CAPACITY = 6+7	55,062	56,072	58,557	60,693
6	EXISTING CAPACITY = 6a+6b	55,062	55,380	55,496	55,571
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	54,264	54,264	54,264	54,264
6a1	Wind Expected On-Peak	-	-	-	-
6a2	Solar Expected On-Peak	-	-	-	-
6a3	Hydro Expected On-Peak	55	55	55	55
6a4	Biomass Expected On-Peak	467	467	467	467
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)	797	1,116	1,232	1,307
6b1	Wind Derate On-Peak	-	-	-	-
6b2	Solar Derate On-Peak	-	-	-	-
6b3	Hydro Derate On-Peak	-	-	-	-
6b4	Biomass Derate On-Peak	-	-	-	-
6b5	Energy Only	610	1,057	1,111	1,186
6b6	Inoperable	187	59	121	121
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		692	3,061	5,122
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		692	3,061	5,122
7a1	Wind Expected On-Peak			-	-
7a2	Wind Derate On-Peak			-	-
7a3	Solar Expected On-Peak			-	-
7a4	Solar Derate On-Peak			-	-
7a5	Hydro Expected On-Peak		-	-	-
7a6	Hydro Derate On-Peak			-	-
7a7	Biomass Expected On-Peak		20	12	84
7a8	Biomass Derate On-Peak			-	-
7a9	Energy Only			-	-
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)		-	-	-
7b1	Wind Expected On-Peak		-	-	-

7b2	Wind Derate On-Peak		-	-	-
7b3	Solar Expected On-Peak		-	-	-
7b4	Solar Derate On-Peak		-	-	-
7b5	Hydro Expected On-Peak		-	-	-
7b6	Hydro Derate On-Peak		-	-	-
7b7	Biomass Expected On-Peak		-	-	-
7b8	Biomass Derate On-Peak		-	-	-
7b9	Energy Only		-	-	-
8	Transmission-Limited Resources	-	-	-	-
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	54,264	54,956	57,325	59,386
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d	2,479	2,554	2,553	2,194
10a	Firm	2,479	2,554	2,553	2,194
10b	Non-firm	-	-	-	-
10c	Expected - no contract executed, but in negotiation, projected, or other.	-	-	-	-
10d	Provisional – transactions under study, but negotiations have not begun.	-	-	-	-
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d	-	-	-	-
11a	Firm	-	-	-	-
11b	Non-firm	-	-	-	-
11c	Expected - no contract executed, but in negotiation, projected, or other.	-	-	-	-
11d	Provisional – transactions under study, but negotiations have not begun.	-	-	-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	56,743	57,510	59,878	61,580

Projected						
2011/2012	20012/2013	2013/2014	2014/2015	20015/2016	2016/2017	2017/2018
52,753	53,896	54,922	56,232	57,561	58,910	59,576
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
52,753	53,896	54,922	56,232	57,561	58,910	59,576
2,995	3,063	3,137	3,212	3,264	3,314	3,329
717	729	730	728	729	730	731
-	-	-	-	-	-	-
-	-	-	-	-	-	-
49,041	50,104	51,055	52,292	53,568	54,866	55,516
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

-	-	-	-	-	-	-
63,195	64,295	66,287	67,552	67,755	72,706	74,026
55,646	55,646	56,130	56,143	56,166	56,401	56,417
54,264	54,264	54,264	54,264	54,264	54,264	54,264
-	-	-	-	-	-	-
-	-	-	-	-	-	-
55	55	55	55	55	55	55
467	467	467	467	467	467	467
1,382	1,382	1,866	1,879	1,902	2,137	2,153
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
1,261	1,261	1,599	1,612	1,635	1,635	1,635
121	121	267	267	267	502	518
7,549	8,649	10,156	11,409	11,589	16,305	17,609
7,549	8,649	10,156	11,409	11,589	16,305	17,609
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
258	258	215	202	201	201	201
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
61,813	62,913	64,421	65,673	65,853	70,569	71,873
2,194	2,194	2,194	2,194	2,123	852	852
2,194	2,194	2,194	2,194	2,123	852	852
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
64,007	65,107	66,615	67,867	67,976	71,421	72,725

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Table 5k. Winter (MRO) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	MRO
Subregion	
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	34,330	35,600	36,909	37,713
1a	New Conservation (Energy Efficiency)		65	97	153
1b	Estimated Diversity	18	125	129	132
1c	Additions for non-member load (load served by non-registered LSE's in a region)	198	195	195	193
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)	11	11	11	11
2	Total Internal Demand	34,521	35,616	36,889	37,633
2a	Direct Control Load Management	473	596	680	742
2b	Contractually Interruptible (Curtable)	636	662	657	618
2c	Critical Peak-Pricing (CPP) with Control	-	-	-	-
2d	Load as a Capacity Resource	-	-	-	-
3	Net Internal Demand = 2-2a-2b-2c-2d	33,412	34,358	35,551	36,272
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	392	394	403	390
4a	Spinning Reserves	25	25	25	25
4b	Non-Spinning Reserves	88	89	90	93
4c	Regulation	25	25	25	25

4d	Emergency	254	255	263	247
5	TOTAL INTERNAL CAPACITY = 6+7	47,529	49,583	53,358	56,544
6	EXISTING CAPACITY = 6a+6b	47,529	47,331	46,989	47,002
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	43,513	43,315	42,965	42,978
6a1	Wind Expected On-Peak	799	799	799	799
6a2	Solar Expected On-Peak	-	-	-	-
6a3	Hydro Expected On-Peak	2,940	2,940	2,940	2,949
6a4	Biomass Expected On-Peak	271	271	271	271
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)	4,016	4,016	4,024	4,024
6b1	Wind Derate On-Peak	3,198	3,198	3,198	3,198
6b2	Solar Derate On-Peak	-	-	-	-
6b3	Hydro Derate On-Peak	190	190	190	190
6b4	Biomass Derate On-Peak	1	1	1	1
6b5	Energy Only	-	-	-	-
6b6	Inoperable	34	34	34	34
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		2,252	6,370	9,542
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		1,587	3,834	3,904
7a1	Wind Expected On-Peak		118	292	310
7a2	Wind Derate On-Peak		212	578	578
7a3	Solar Expected On-Peak		-	-	-
7a4	Solar Derate On-Peak		-	-	-
7a5	Hydro Expected On-Peak		-	-	-
7a6	Hydro Derate On-Peak		-	-	-
7a7	Biomass Expected On-Peak		4	4	40
7a8	Biomass Derate On-Peak		1	1	1
7a9	Energy Only		-	-	-
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)		665	2,536	5,638
7b1	Wind Expected On-Peak		665	2,164	4,721

7b2	Wind Derate On-Peak		2,658	8,646	18,597
7b3	Solar Expected On-Peak		-	-	-
7b4	Solar Derate On-Peak		-	-	-
7b5	Hydro Expected On-Peak		-	-	-
7b6	Hydro Derate On-Peak		-	-	-
7b7	Biomass Expected On-Peak		-	-	1
7b8	Biomass Derate On-Peak		-	-	0
7b9	Energy Only		-	-	-
8	Transmission-Limited Resources	-	-	-	-
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	43,513	44,902	46,799	46,882
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d		943	728	726
10a	Firm	948	943	728	726
10b	Non-firm	-	-	-	-
10c	Expected - no contract executed, but in negotiation, projected, or other.	-	-	-	-
10d	Provisional – transactions under study, but negotiations have not begun.	-	-	-	-
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d		1,068	1,023	951
11a	Firm	969	858	803	732
11b	Non-firm	202	210	220	219
11c	Expected - no contract executed, but in negotiation, projected, or other.	-	-	-	-
11d	Provisional – transactions under study, but negotiations have not begun.	-	-	-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	43,492	44,987	46,724	46,877

Projected						
2011/2012	20012/2013	2013/2014	2014/2015	20015/2016	2016/2017	2017/2018
38,452	39,149	39,590	40,494	41,166	41,843	42,438
287	373	512	602	692	784	852
133	135	131	142	144	146	148
193	193	193	193	193	193	193
11	11	11	11	11	11	11
38,237	38,845	39,151	39,956	40,534	41,118	41,642
775	807	838	874	904	939	971
600	601	593	602	602	602	604
-	-	-	-	-	-	-
-	-	-	-	-	-	-
36,861	37,436	37,720	38,479	39,028	39,577	40,067
398	403	409	415	421	425	431
25	25	25	25	25	25	25
94	95	96	97	99	100	101
25	25	25	25	25	25	25

254	258	263	268	272	275	280
59,524	63,551	65,717	66,687	67,256	67,031	67,556
46,991	46,980	47,414	47,414	47,415	47,463	47,462
42,967	42,956	43,240	43,241	43,241	43,289	43,288
799	799	799	799	799	799	799
-	-	-	-	-	-	-
2,949	2,949	2,949	2,949	2,949	2,949	2,949
296	296	296	296	296	296	296
4,024	4,024	4,174	4,174	4,174	4,174	4,174
3,198	3,198	3,198	3,198	3,198	3,198	3,198
-	-	-	-	-	-	-
190	190	190	190	190	190	190
1	1	1	1	1	1	1
-	-	-	-	-	-	-
34	34	34	34	34	34	34
12,533	16,571	18,304	19,272	19,842	19,568	20,094
4,262	4,262	4,645	4,978	4,978	4,645	5,171
310	310	330	330	330	330	330
578	578	578	578	578	578	578
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
40	40	40	40	40	40	40
1	1	1	1	1	1	1
-	-	-	-	-	-	-
8,271	12,309	13,659	14,294	14,864	14,923	14,923
5,866	7,405	7,844	7,912	7,921	8,019	8,019

23,035	29,194	30,956	31,237	31,279	31,680	31,680
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
1	2	3	4	4	5	5
0	0	0	1	1	1	1
-	-	5	5	5	5	5
-	-	-	-	-	-	-
47,230	47,218	47,885	48,219	48,219	47,934	48,459
716	716	716	641	891	856	606
716	716	716	641	641	356	106
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	250	500	500
865	859	876	805	830	800	856
647	642	560	490	520	490	546
218	217	316	315	310	310	310
-	-	-	-	-	-	-
-	-	-	-	-	-	-
47,299	47,292	48,040	48,369	48,339	47,800	48,019

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WINTER

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Table 51. Winter (NPCC_NE) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	NPCC
Subregion	NE
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	22,775	23,030	23,320	23,580
1a	New Conservation (Energy Efficiency)		-	-	-
1b	Estimated Diversity		-	-	-
1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-
2	Total Internal Demand	22,775	23,030	23,320	23,580
2a	Direct Control Load Management		-	-	-
2b	Contractually Interruptible (Curtailable)		-	-	-
2c	Critical Peak-Pricing (CPP) with Control		-	-	-
2d	Load as a Capacity Resource	1,915	2,138	2,138	2,279
3	Net Internal Demand = 2-2a-2b-2c-2d	20,860	20,892	21,182	21,301
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	-	-	-	-
4a	Spinning Reserves		-	-	-
4b	Non-Spinning Reserves		-	-	-
4c	Regulation		-	-	-

4d	Emergency		-	-	-
5	TOTAL INTERNAL CAPACITY = 6+7	33,586	34,823	37,838	40,809
6	EXISTING CAPACITY = 6a+6b	33,586	33,620	33,620	30,412
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	33,586	33,620	33,620	30,412
6a1	Wind Expected On-Peak	6	5	5	0
6a2	Solar Expected On-Peak	0	0	0	0
6a3	Hydro Expected On-Peak	888	896	896	579
6a4	Biomass Expected On-Peak	1,036	1,042	1,042	967
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)		-	-	-
6b1	Wind Derate On-Peak		-	-	-
6b2	Solar Derate On-Peak		-	-	-
6b3	Hydro Derate On-Peak		-	-	-
6b4	Biomass Derate On-Peak		-	-	-
6b5	Energy Only		-	-	-
6b6	Inoperable		-	-	-
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		1,203	4,219	10,397
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		331	663	427
7a1	Wind Expected On-Peak		73	73	10
7a2	Wind Derate On-Peak			-	-
7a3	Solar Expected On-Peak			-	-
7a4	Solar Derate On-Peak			-	-
7a5	Hydro Expected On-Peak			-	-
7a6	Hydro Derate On-Peak			-	-
7a7	Biomass Expected On-Peak		25	25	2
7a8	Biomass Derate On-Peak			-	-
7a9	Energy Only			-	-
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)		872	3,556	9,970
7b1	Wind Expected On-Peak		594	991	1,736

7b2	Wind Derate On-Peak			-	-
7b3	Solar Expected On-Peak			-	-
7b4	Solar Derate On-Peak			-	-
7b5	Hydro Expected On-Peak			-	-
7b6	Hydro Derate On-Peak			-	-
7b7	Biomass Expected On-Peak		8	273	429
7b8	Biomass Derate On-Peak			-	-
7b9	Energy Only			-	-
8	Transmission-Limited Resources			-	-
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	33,586	33,951	34,282	30,839
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d			-	-
10a	Firm	-	-	-	-
10b	Non-firm			-	-
10c	Expected - no contract executed, but in negotiation, projected, or other.			-	-
10d	Provisional – transactions under study, but negotiations have not begun.			-	-
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d			-	-
11a	Firm	-	-	-	-
11b	Non-firm			-	-
11c	Expected - no contract executed, but in negotiation, projected, or other.			-	-
11d	Provisional – transactions under study, but negotiations have not begun.			-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	33,586	33,951	34,282	30,839

Projected						
2011/2012	20012/2013	2013/2014	2014/2015	20015/2016	2016/2017	2017/2018
23,830	24,065	24,275	24,465	24,635	24,800	24,950
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
23,830	24,065	24,275	24,465	24,635	24,800	24,950
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
2,279	2,279	2,279	2,279	2,279	2,279	2,279
21,551	21,786	21,996	22,186	22,356	22,521	22,671
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

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WINTER

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Table 5m. Winter (NPCC_NY) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	NPCC
Subregion	NY
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	25,021	25,293	25,591	25,891
1a	New Conservation (Energy Efficiency)		-	-	-
1b	Estimated Diversity		-	-	-
1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-
2	Total Internal Demand	25,021	25,293	25,591	25,891
2a	Direct Control Load Management		-	-	-
2b	Contractually Interruptible (Curtailable)		-	-	-
2c	Critical Peak-Pricing (CPP) with Control		-	-	-
2d	Load as a Capacity Resource		-	-	-
3	Net Internal Demand = 2-2a-2b-2c-2d	25,021	25,293	25,591	25,891
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	2,075	2,075	2,075	2,075
4a	Spinning Reserves	1,200	1,200	1,200	1,200
4b	Non-Spinning Reserves	600	600	600	600
4c	Regulation	275	275	275	275

4d	Emergency		-	-	-
5	TOTAL INTERNAL CAPACITY = 6+7	41,657	41,580	41,998	41,302
6	EXISTING CAPACITY = 6a+6b	41,657	41,459	41,459	40,572
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	41,657	41,162	41,162	40,275
6a1	Wind Expected On-Peak		127	127	127
6a2	Solar Expected On-Peak		-	-	-
6a3	Hydro Expected On-Peak		-	-	-
6a4	Biomass Expected On-Peak		354	354	354
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)		297	297	297
6b1	Wind Derate On-Peak		297	297	297
6b2	Solar Derate On-Peak		-	-	-
6b3	Hydro Derate On-Peak		-	-	-
6b4	Biomass Derate On-Peak		-	-	-
6b5	Energy Only		-	-	-
6b6	Inoperable		-	-	-
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		121	539	729
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		121	533	723
7a1	Wind Expected On-Peak		85	153	2
7a2	Wind Derate On-Peak		197	356	4
7a3	Solar Expected On-Peak			-	-
7a4	Solar Derate On-Peak			-	-
7a5	Hydro Expected On-Peak		30	45	30
7a6	Hydro Derate On-Peak			-	-
7a7	Biomass Expected On-Peak		6	17	-
7a8	Biomass Derate On-Peak			-	-
7a9	Energy Only			-	-
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)			6	6
7b1	Wind Expected On-Peak			-	-

7b2	Wind Derate On-Peak			-	-
7b3	Solar Expected On-Peak			-	-
7b4	Solar Derate On-Peak			-	-
7b5	Hydro Expected On-Peak			-	-
7b6	Hydro Derate On-Peak			-	-
7b7	Biomass Expected On-Peak			6	-
7b8	Biomass Derate On-Peak			-	-
7b9	Energy Only			-	-
8	Transmission-Limited Resources		-	-	-
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	41,657	41,283	41,695	40,998
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d		1,380	1,380	1,300
10a	Firm	184	80	80	-
10b	Non-firm		-	-	-
10c	Expected - no contract executed, but in negotiation, projected, or other.		1,300	1,300	1,300
10d	Provisional – transactions under study, but negotiations have not begun.		-	-	-
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d		900	900	1,021
11a	Firm	-	-	-	121
11b	Non-firm		-	-	-
11c	Expected - no contract executed, but in negotiation, projected, or other.		900	900	900
11d	Provisional – transactions under study, but negotiations have not begun.		-	-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	41,841	41,763	42,175	41,277

-	-	-	-	-	-	-
41,302	41,470	41,309	41,309	41,309	41,309	41,309
40,572	40,572	40,411	40,411	40,411	40,411	40,411
40,275	40,275	40,114	40,114	40,114	40,114	40,114
127	127	127	127	127	127	127
-	-	-	-	-	-	-
-	-	-	-	-	-	-
354	354	354	354	354	354	354
297	297	297	297	297	297	297
297	297	297	297	297	297	297
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
729	897	898	898	898	898	898
723	891	892	892	892	892	892
-	-	2	-	-	-	-
-	-	4	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
6	6	6	6	6	6	6
-	-	-	-	-	-	-

-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
40,998	41,166	41,006	41,006	41,006	41,006	41,006
1,820	1,820	1,820	1,770	1,770	1,770	1,770
520	520	520	470	470	470	470
-	-	-	-	-	-	-
1,300	1,300	1,300	1,300	1,300	1,300	1,300
-	-	-	-	-	-	-
900	900	900	900	900	900	900
-	-	-	-	-	-	-
-	-	-	-	-	-	-
900	900	900	900	900	900	900
-	-	-	-	-	-	-
41,918	42,086	41,926	41,876	41,876	41,876	41,876

Form EIA-411 for 2007

WINTER

Released: February 2009

Next Update: October 2009

Table 5n. Winter (RFC) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	RFC
Subregion	
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	141,904	147,100	149,100	151,500
1a	New Conservation (Energy Efficiency)		-	-	-
1b	Estimated Diversity		-	-	-
1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-
2	Total Internal Demand	141,904	147,100	149,100	151,500
2a	Direct Control Load Management		100	100	100
2b	Contractually Interruptible (Curtailable)		5,800	5,700	5,600
2c	Critical Peak-Pricing (CPP) with Control		-	-	-
2d	Load as a Capacity Resource		-	-	-
3	Net Internal Demand = 2-2a-2b-2c-2d	141,904	141,200	143,300	145,800
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	-	334	334	334
4a	Spinning Reserves		325	325	325
4b	Non-Spinning Reserves		-	-	-
4c	Regulation		-	-	-

4d	Emergency		9	9	9
5	TOTAL INTERNAL CAPACITY = 6+7	216,077	220,109	226,273	239,132
6	EXISTING CAPACITY = 6a+6b	216,077	217,876	217,876	217,876
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	214,280	212,070	212,070	212,070
6a1	Wind Expected On-Peak	80	226	226	226
6a2	Solar Expected On-Peak	-	-	-	-
6a3	Hydro Expected On-Peak	6,446	6,449	6,449	6,449
6a4	Biomass Expected On-Peak	674	691	691	691
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)	1,797	5,806	5,806	5,806
6b1	Wind Derate On-Peak	854	1,438	1,438	1,438
6b2	Solar Derate On-Peak	-	-	-	-
6b3	Hydro Derate On-Peak	342	339	339	339
6b4	Biomass Derate On-Peak	21	21	21	21
6b5	Energy Only	580	580	580	580
6b6	Inoperable	-	-	-	-
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		2,233	8,397	21,256
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		134	2,387	5,432
7a1	Wind Expected On-Peak		96	228	266
7a2	Wind Derate On-Peak		384	912	1,062
7a3	Solar Expected On-Peak		-	3	3
7a4	Solar Derate On-Peak		-	-	-
7a5	Hydro Expected On-Peak		-	-	-
7a6	Hydro Derate On-Peak		-	-	-
7a7	Biomass Expected On-Peak		38	239	239
7a8	Biomass Derate On-Peak		-	-	-
7a9	Energy Only		-	-	-
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)		2,099	6,010	15,824
7b1	Wind Expected On-Peak		865	2,251	4,118

7b2	Wind Derate On-Peak		3,460	9,004	16,472
7b3	Solar Expected On-Peak		-	-	3
7b4	Solar Derate On-Peak		-	-	-
7b5	Hydro Expected On-Peak		-	-	283
7b6	Hydro Derate On-Peak		-	-	82
7b7	Biomass Expected On-Peak		34	129	185
7b8	Biomass Derate On-Peak		-	-	-
7b9	Energy Only		-	-	-
8	Transmission-Limited Resources		-	-	-
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	214,280	212,204	214,457	217,502
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d		2,282	2,282	2,282
10a	Firm		2,282	2,282	2,282
10b	Non-firm		-	-	-
10c	Expected - no contract executed, but in negotiation, projected, or other.		-	-	-
10d	Provisional – transactions under study, but negotiations have not begun.		-	-	-
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d		2,229	2,229	2,229
11a	Firm		2,229	2,229	2,229
11b	Non-firm		-	-	-
11c	Expected - no contract executed, but in negotiation, projected, or other.		-	-	-
11d	Provisional – transactions under study, but negotiations have not begun.		-	-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	214,280	212,257	214,510	217,555

Projected						
2011/2012	20012/2013	2013/2014	2014/2015	20015/2016	2016/2017	2017/2018
153,400	154,800	156,300	158,200	159,900	161,900	165,109
-	-	-	-	-	-	-
-	-	-	-	-	-	1,509
-	-	-	-	-	-	-
-	-	-	-	-	-	-
153,400	154,800	156,300	158,200	159,900	161,900	163,600
100	100	100	100	100	100	100
5,600	5,600	5,600	5,600	5,600	5,600	5,600
-	-	-	-	-	-	-
-	-	-	-	-	-	-
147,700	149,100	150,600	152,500	154,200	156,200	157,900
334	334	334	334	334	334	334
325	325	325	325	325	325	325
-	-	-	-	-	-	-
-	-	-	-	-	-	-

9	9	9	9	9	9	9
250,672	260,054	266,004	266,184	269,357	269,357	270,920
217,876	217,876	217,876	217,876	217,876	217,876	217,876
212,070	212,070	212,070	212,070	212,070	212,070	212,070
226	226	226	226	226	226	226
-	-	-	-	-	-	-
6,449	6,449	6,449	6,449	6,449	6,449	6,449
691	691	691	691	691	691	691
5,806	5,806	5,806	5,806	5,806	5,806	5,806
1,438	1,438	1,438	1,438	1,438	1,438	1,438
-	-	-	-	-	-	-
339	339	339	339	339	339	339
21	21	21	21	21	21	21
580	580	580	580	580	580	580
-	-	-	-	-	-	-
32,796	42,178	48,128	48,308	51,481	51,481	53,044
5,704	5,704	5,844	5,844	5,844	5,844	5,844
266	266	266	266	266	266	266
1,062	1,062	1,062	1,062	1,062	1,062	1,062
4	5	6	7	8	9	10
-	-	-	-	-	-	-
-	-	140	140	140	140	140
-	-	-	-	-	-	-
239	239	239	239	239	239	239
-	-	-	-	-	-	-
-	-	-	-	-	-	-
27,092	36,474	42,284	42,464	45,637	45,637	47,200
4,287	4,726	4,886	5,066	5,186	5,186	5,186

17,148	18,904	19,544	20,264	20,744	20,744	20,744
3	3	3	3	3	3	3
-	-	-	-	-	-	-
283	319	319	319	319	319	319
82	82	82	82	82	82	82
203	203	203	203	203	203	203
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
217,774	217,774	217,914	217,914	217,914	217,914	217,914
2,282	2,282	2,282	2,282	2,282	2,282	2,282
2,282	2,282	2,282	2,282	2,282	2,282	2,282
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
2,229	2,229	2,229	2,229	2,229	2,229	2,229
2,229	2,229	2,229	2,229	2,229	2,229	2,229
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
217,827	217,827	217,967	217,967	217,967	217,967	217,967

6b6	Inoperable	975	975	975	975	975	975	975	975	975	975
		-	-	-	-	-	-	-	-	-	-
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		3,349	4,440	8,416	17,782	26,851	30,728	35,664	44,142	52,378
	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)										
7a			1,981	2,625	4,670	9,398	13,190	13,194	13,198	13,202	13,206
7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-
7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-
7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-
7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-
7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-
7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-
7a7	Biomass Expected On-Peak		-	2	2	2	2	2	2	2	2
7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-
7a9	Energy Only		-	-	-	-	-	-	-	-	-
	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)										
7b			1,368	1,815	3,746	8,384	13,661	17,534	22,466	30,940	39,172
7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-
7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-
7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-
7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-
7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-
7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-
7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-
7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-
7b9	Energy Only		-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
8	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	361,515	367,168	371,401	371,855	375,733	378,158	377,831	378,807	378,961	378,409
			-	-	-	-	-	-	-	-	-
	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d										
10		6,245	5,378	5,386	5,039	4,879	5,287	5,405	5,853	5,370	5,578
10a	Firm	6,245	5,378	5,224	4,767	4,473	4,268	4,336	4,418	3,828	3,876
10b	Non-firm	-	-	162	168	172	177	183	187	192	196
10c	Expected - no contract executed, but in negotiation, projected, or other.	-	-	-	-	-	-	-	-	-	-
10d	Provisional - transactions under study, but negotiations have not begun.	-	-	-	104	234	842	886	1,248	1,350	1,506
			-	-	-	-	-	-	-	-	-
	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d										
11		7,512	7,294	8,885	8,831	8,687	8,812	8,880	8,950	4,360	4,409
11a	Firm	7,512	7,294	8,713	8,492	8,348	8,473	8,541	8,611	4,021	4,070
11b	Non-firm	-	-	172	339	339	339	339	339	339	339
11c	Expected - no contract executed, but in negotiation, projected, or other.	-	-	-	-	-	-	-	-	-	-
11d	Provisional - transactions under study, but negotiations have not begun.	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	360,248	365,252	367,912	368,130	371,858	373,953	373,626	374,614	378,768	378,215

2017/2018
331,232
2,816
1,620
664
41
327,501
1,558
7,631
397
254
317,662
-
1,561
196
507
20
838
-
460,387
-
402,390
365,462
-
1
20,544
466
36,929
-
-
-
-
-

975
-
57,997
13,210
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2
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44,787
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-
-
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-
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378,672
-
5,789
3,918
203
-
1,668
-
4,454
4,115
339
-
-
-
378,475

Form EIA-411 for 2007

WINTER

Released: February 2009

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Table 5p. Winter (SPP) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	SPP
Subregion	
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	31,248	31,984	32,623	33,339
1a	New Conservation (Energy Efficiency)		20	29	39
1b	Estimated Diversity		-	-	-
1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-
2	Total Internal Demand	31,248	31,964	32,594	33,301
2a	Direct Control Load Management	100	30	14	14
2b	Contractually Interruptible (Curtable)	393	405	406	410
2c	Critical Peak-Pricing (CPP) with Control	-	35	35	35
2d	Load as a Capacity Resource	39	39	39	39
3	Net Internal Demand = 2-2a-2b-2c-2d	30,717	31,455	32,101	32,803
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	242	252	252	252
4a	Spinning Reserves	91	91	91	91
4b	Non-Spinning Reserves	91	91	91	91
4c	Regulation	60	70	70	70

4d	Emergency	-	-	-	-
5	TOTAL INTERNAL CAPACITY = 6+7	57,485	59,361	60,593	63,337
6	EXISTING CAPACITY = 6a+6b	57,485	58,245	57,939	58,053
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	47,791	47,868	47,916	47,530
6a1	Wind Expected On-Peak	72	140	166	166
6a2	Solar Expected On-Peak	0	0	0	0
6a3	Hydro Expected On-Peak	2,854	2,889	2,955	2,955
6a4	Biomass Expected On-Peak	-	-	-	-
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)	9,694	10,377	10,023	10,523
6b1	Wind Derate On-Peak	333	956	977	977
6b2	Solar Derate On-Peak	-	-	-	-
6b3	Hydro Derate On-Peak	3	3	-	-
6b4	Biomass Derate On-Peak	-	-	-	-
6b5	Energy Only	130	130	130	130
6b6	Inoperable	328	293	230	230
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		1,116	2,654	5,284
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		1,116	2,324	4,404
7a1	Wind Expected On-Peak		-	-	-
7a2	Wind Derate On-Peak		-	150	150
7a3	Solar Expected On-Peak		-	-	-
7a4	Solar Derate On-Peak		-	-	-
7a5	Hydro Expected On-Peak		-	-	5
7a6	Hydro Derate On-Peak		-	-	-
7a7	Biomass Expected On-Peak		-	-	-
7a8	Biomass Derate On-Peak		-	-	-
7a9	Energy Only		400	400	400
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)		-	330	880
7b1	Wind Expected On-Peak		-	-	-

7b2	Wind Derate On-Peak		-	-	-
7b3	Solar Expected On-Peak		-	-	-
7b4	Solar Derate On-Peak		-	-	-
7b5	Hydro Expected On-Peak		-	-	-
7b6	Hydro Derate On-Peak		-	-	-
7b7	Biomass Expected On-Peak		-	-	-
7b8	Biomass Derate On-Peak		-	-	-
7b9	Energy Only		18	18	168
8	Transmission-Limited Resources		-	-	-
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	47,791	48,984	50,240	51,934
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d		2,789	2,789	2,789
10a	Firm	2,789	2,789	2,789	2,789
10b	Non-firm		-	-	-
10c	Expected - no contract executed, but in negotiation, projected, or other.		-	-	-
10d	Provisional – transactions under study, but negotiations have not begun.		-	-	-
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d		1,550	1,550	1,550
11a	Firm	1,550	1,550	1,550	1,550
11b	Non-firm		-	-	-
11c	Expected - no contract executed, but in negotiation, projected, or other.		-	-	-
11d	Provisional – transactions under study, but negotiations have not begun.		-	-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	49,030	50,223	51,479	53,173

Projected						
2011/2012	20012/2013	2013/2014	2014/2015	20015/2016	2016/2017	2017/2018
33,986	34,577	35,272	36,012	36,708	37,455	38,197
46	54	61	68	74	79	86
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
33,940	34,523	35,211	35,945	36,634	37,376	38,111
14	14	14	14	14	14	14
414	415	418	422	424	427	432
35	35	35	35	35	35	35
39	39	39	39	39	39	39
33,439	34,021	34,705	35,435	36,122	36,861	37,592
252	252	252	252	252	252	252
91	91	91	91	91	91	91
91	91	91	91	91	91	91
70	70	70	70	70	70	70

-	-	-	-	-	-	-
63,502	64,466	65,148	65,381	65,821	66,549	66,586
58,089	58,018	57,977	57,960	57,850	57,820	57,807
47,566	47,515	47,494	47,477	47,367	47,337	47,324
166	166	166	166	166	166	166
0	0	0	0	0	0	0
2,955	2,975	2,995	2,995	2,995	2,995	2,995
-	-	-	-	-	-	-
10,523	10,503	10,483	10,483	10,483	10,483	10,483
977	977	977	977	977	977	977
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
130	130	130	130	130	130	130
230	210	190	190	190	190	190
5,413	6,448	7,171	7,421	7,971	8,729	8,779
4,483	4,976	5,351	5,351	5,901	5,901	5,901
-	-	-	-	-	-	-
150	150	150	150	150	150	150
-	-	-	-	-	-	-
-	-	-	-	-	-	-
5	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
400	400	400	400	400	400	400
930	1,472	1,820	2,070	2,070	2,828	2,878
-	-	-	-	-	-	-

-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
168	168	168	168	168	168	168
-	-	-	-	-	-	-
52,049	52,491	52,845	52,828	53,268	53,238	53,225
2,789	2,789	2,789	2,789	2,789	2,789	2,789
2,789	2,789	2,789	2,789	2,789	2,789	2,789
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
1,550	1,550	1,550	1,550	1,550	1,550	1,550
1,550	1,550	1,550	1,550	1,550	1,550	1,550
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
53,288	53,730	54,084	54,067	54,507	54,477	54,464

Form EIA-411 for 2007

WINTER

Released: February 2009

Next Update: October 2009

Table 5q. Winter (ERCOT) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	ERCOT
Subregion	
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	50,408	47,270	48,285	49,250
1a	New Conservation (Energy Efficiency)		143	160	160
1b	Estimated Diversity		0	0	0
1c	Additions for non-member load (load served by non-registered LSE's in a region)		0	0	0
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		0	0	0
2	Total Internal Demand	50,408	47127	48125	49090
2a	Direct Control Load Management		0	0	0
2b	Contractually Interruptible (Curtailable)		0	0	0
2c	Critical Peak-Pricing (CPP) with Control		0	0	0
2d	Load as a Capacity Resource	1125	1059	1059	1059
3	Net Internal Demand = 2-2a-2b-2c-2d	49283	46068	47066	48031
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	1125	1059	1059	1059
4a	Spinning Reserves	1125	1059	1059	1059
4b	Non-Spinning Reserves		0	0	0
4c	Regulation		0	0	0
4d	Emergency		0	0	0

5	TOTAL INTERNAL CAPACITY = 6+7	79352	83982	92544.48	106348.63
6	EXISTING CAPACITY = 6a+6b	79352	83117.95	82958	83493
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	79352	73886.95	73727	74262
6a1	Wind Expected On-Peak		480	480	480
6a2	Solar Expected On-Peak		0	0	0
6a3	Hydro Expected On-Peak		0	0	0
6a4	Biomass Expected On-Peak		53.3	53	53
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)		9231	9231	9231
6b1	Wind Derate On-Peak		4979	4979	4979
6b2	Solar Derate On-Peak		0	0	0
6b3	Hydro Derate On-Peak		0	0	0
6b4	Biomass Derate On-Peak		0	0	0
6b5	Energy Only		0	0	0
6b6	Inoperable		4248	4157	4083
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		864	9586	22856
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		864	3799	5409
7a1	Wind Expected On-Peak		13	342	347
7a2	Wind Derate On-Peak		137	3586	3641
7a3	Solar Expected On-Peak			0	0
7a4	Solar Derate On-Peak			0	0
7a5	Hydro Expected On-Peak			0	0
7a6	Hydro Derate On-Peak			0	0
7a7	Biomass Expected On-Peak			0	0
7a8	Biomass Derate On-Peak			0	0
7a9	Energy Only			0	0
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)			5787	17447
7b1	Wind Expected On-Peak			786	1775
7b2	Wind Derate On-Peak			8254	18623
7b3	Solar Expected On-Peak			0	0

7b4	Solar Derate On-Peak			0	0
7b5	Hydro Expected On-Peak			0	0
7b6	Hydro Derate On-Peak			0	0
7b7	Biomass Expected On-Peak			0	0
7b8	Biomass Derate On-Peak			0	0
7b9	Energy Only			0	0
8	Transmission-Limited Resources		0	0	0
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	79352	74751	77526	79671
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d		800	800	800
10a	Firm		800	800	800
10b	Non-firm		0	0	0
10c	Expected - no contract executed, but in negotiation, projected, or other.		0	0	0
10d	Provisional – transactions under study, but negotiations have not begun.		0	0	0
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d		47	47	47
11a	Firm		47	47	47
11b	Non-firm		0	0	0
11c	Expected - no contract executed, but in negotiation, projected, or other.		0	0	0
11d	Provisional – transactions under study, but negotiations have not begun.		0	0	0
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	79352	75504	78279	80424

Projected						
2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017	2017/2018
50,053	50,590	51,772	52,682	53,490	54,574	55,304
160	160	160	160	160	160	160
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
49893	50430	51612	52522	53330	54414	55144
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1059	1059	1059	1059	1059	1059	1059
48834	49371	50553	51463	52271	53355	54085
1059	1059	1059	1059	1059	1059	1059
1059	1059	1059	1059	1059	1059	1059
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

119731.93	127622.03	127817.78	127817.78	127817.78	127817.78	127817.8
82568	83493	83493	83493	83493	83493	83493
73337	74262	74262	74262	74262	74262	74262
480	480	480	480	480	480	480
0	0	0	0	0	0	0
0	0	0	0	0	0	0
53	53	53	53	53	53	53
9231	9231	9231	9231	9231	9231	9231
4979	4979	4979	4979	4979	4979	4979
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4252	4252	4252	4252	4252	4252	4252
37164	44129	44325	44325	44325	44325	44325
6357	6357	6357	6357	6357	6357	6357
370	370	370	370	370	370	370
3888	3888	3888	3888	3888	3888	3888
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
30807	37772	37968	37968	37968	37968	37968
2824	3532	3728	3728	3728	3728	3728
29635	37066	39120	39120	39120	39120	39120
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
79694	80619	80619	80619	80619	80619	80619
800	800	800	800	800	800	800
800	800	800	800	800	800	800
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
47	47	47	47	47	47	47
47	47	47	47	47	47	47
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
80447	81372	81372	81372	81372	81372	81372

Form EIA-411 for 2007

WINTER

Released: February 2009

Next Update: October 2009

Table 5r. Winter (WECC) Historical and Projected Demand and Capacity, Calendar Year 2007

Region	WECC
Subregion	
Country	U

WINTER		Actual			
Line#	DESCRIPTION	2007/2008	2008/2009	2009/2010	2010/2011
1	Unrestricted Non-coincident Peak Demand (Starting Point) = 2+1a+1b-1c-1d	111,527	116,007	118,522	120,751
1a	New Conservation (Energy Efficiency)	47	672	966	1,273
1b	Estimated Diversity	402	402	402	402
1c	Additions for non-member load (load served by non-registered LSE's in a region)	1,479	1,510	1,535	1,563
1d	Stand-by Load Under Contract (Normally served by behind the meter generation)	143	143	143	143
2	Total Internal Demand	112,700	116,586	118,832	120,782
2a	Direct Control Load Management	2,115	2,112	2,161	2,207
2b	Contractually Interruptible (Curtailable)	1,091	970	1,043	1,058
2c	Critical Peak-Pricing (CPP) with Control	-	-	-	-
2d	Load as a Capacity Resource	-	-	-	-
3	Net Internal Demand = 2-2a-2b-2c-2d	109,494	113,504	115,628	117,517
4	Demand Response Used for Ancillary Services (Data entered in line 4 and lines 4a through 4d will not be used to adjust net internal demand although some of these resources may make up a portion of lines 2a through 2c.) = 4a+4b+4c+4d	110	110	110	110
4a	Spinning Reserves	-	-	-	-
4b	Non-Spinning Reserves	110	110	110	110
4c	Regulation	-	-	-	-

4d	Emergency	-	-	-	-
5	TOTAL INTERNAL CAPACITY = 6+7	180,634	185,694	187,694	191,160
6	EXISTING CAPACITY = 6a+6b	180,634	180,634	180,634	180,634
6a	Certain (Note: The sum of 6a1 through 6a4 may not equal 6a and must be <= 6a)	160,819	164,127	164,440	164,503
6a1	Wind Expected On-Peak	681	681	681	681
6a2	Solar Expected On-Peak	370	370	370	370
6a3	Hydro Expected On-Peak	46,766	46,766	46,766	46,766
6a4	Biomass Expected On-Peak	1,100	1,100	1,100	1,100
6b	Uncertain (Note: The sum of 6b1 through 6b6 may not equal 6b and must be <= 6b)	19,815	16,507	16,194	16,131
6b1	Wind Derate On-Peak	5,314	5,314	5,314	5,314
6b2	Solar Derate On-Peak	119	119	119	119
6b3	Hydro Derate On-Peak	7,944	7,944	7,944	7,944
6b4	Biomass Derate On-Peak	256	256	256	256
6b5	Energy Only	-	-	-	-
6b6	Inoperable	6,130	2,822	2,509	2,446
7	PLANNED AND PROPOSED CAPACITY ADDITIONS = 7a+7b		5,060	7,060	10,526
7a	Planned (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7a.)		4,424	5,586	6,664
7a1	Wind Expected On-Peak		218	230	230
7a2	Wind Derate On-Peak		1,397	1,505	1,505
7a3	Solar Expected On-Peak		-	-	-
7a4	Solar Derate On-Peak		-	-	-
7a5	Hydro Expected On-Peak		19	46	73
7a6	Hydro Derate On-Peak		-	-	-
7a7	Biomass Expected On-Peak		54	86	86
7a8	Biomass Derate On-Peak		11	11	11
7a9	Energy Only		-	-	-
7b	Proposed (Note: Only the net expected On-Peak values are included in this line and does not include Energy Only. The values below are informational and may not total 7b.)		636	1,474	3,862
7b1	Wind Expected On-Peak		86	207	290

7b2	Wind Derate On-Peak		409	1,255	1,719
7b3	Solar Expected On-Peak		-	1	2
7b4	Solar Derate On-Peak		-	-	-
7b5	Hydro Expected On-Peak		-	-	3
7b6	Hydro Derate On-Peak		-	-	-
7b7	Biomass Expected On-Peak		-	20	43
7b8	Biomass Derate On-Peak		-	-	-
7b9	Energy Only		-	-	-
8	Transmission-Limited Resources	52	52	52	52
9	DELIVERABLE INTERNAL CAPACITY = 6a + 7a	160,819	168,551	170,026	171,167
10	CAPACITY PURCHASES AND INCOMING ADJUSTMENTS = 10a+10b+10c+10d		834	669	552
10a	Firm	845	834	669	552
10b	Non-firm	-	-	-	-
10c	Expected - no contract executed, but in negotiation, projected, or other.	-	-	-	-
10d	Provisional – transactions under study, but negotiations have not begun.	-	-	-	-
11	CAPACITY SALES AND OUTGOING ADJUSTMENTS = 11a+11b+11c+11d		1,615	1,612	974
11a	Firm	168	174	158	160
11b	Non-firm	-	-	-	-
11c	Expected - no contract executed, but in negotiation, projected, or other.	-	1,441	1,454	814
11d	Provisional – transactions under study, but negotiations have not begun.	-	-	-	-
12	NET CAPACITY RESOURCES = 9+10a+10c-11a-11c	161,496	167,770	169,083	170,745

Projected						
2011/2012	20012/2013	2013/2014	2014/2015	20015/2016	2016/2017	2017/2018
123,027	125,540	127,812	130,161	132,511	134,807	137,161
1,584	1,894	2,212	2,519	2,825	3,133	3,440
402	402	402	402	402	402	402
1,594	1,629	1,666	1,706	1,751	1,798	1,850
143	143	143	143	143	143	143
122,778	125,016	127,007	129,089	131,178	133,213	135,312
2,250	2,286	2,320	2,354	2,388	2,421	2,454
1,086	1,073	1,083	1,085	1,103	1,104	1,106
-	-	-	-	-	-	-
-	-	-	-	-	-	-
119,442	121,657	123,604	125,650	127,687	129,688	131,752
110	110	110	110	110	110	110
-	-	-	-	-	-	-
110	110	110	110	110	110	110
-	-	-	-	-	-	-

-	-	-	-	-	-	-
194,383	196,159	198,042	199,024	199,426	199,333	199,661
180,634	180,634	180,634	180,634	180,634	180,634	180,634
164,407	164,804	164,702	164,257	164,703	164,206	164,327
681	681	681	681	681	681	681
370	370	370	370	370	370	370
46,766	46,766	46,766	46,766	46,766	46,766	46,766
1,100	1,100	1,100	1,100	1,100	1,100	1,100
16,227	15,830	15,932	16,377	15,931	16,428	16,307
5,314	5,314	5,314	5,314	5,314	5,314	5,314
119	119	119	119	119	119	119
7,944	7,944	7,944	7,944	7,944	7,944	7,944
256	256	256	256	256	256	256
-	-	-	-	-	-	-
2,542	2,145	2,247	2,692	2,246	2,743	2,622
13,749	15,525	17,408	18,390	18,792	18,699	19,027
7,758	7,836	8,562	8,562	8,562	8,562	8,562
230	230	230	230	230	230	230
1,505	1,505	1,505	1,505	1,505	1,505	1,505
-	-	-	-	-	-	-
-	280	280	280	280	280	280
183	190	190	190	190	190	190
(103)	(103)	(103)	(103)	(103)	(103)	(103)
86	86	86	86	86	86	86
11	11	11	11	11	11	11
-	-	-	-	-	-	-
5,991	7,689	8,846	9,828	10,230	10,137	10,465
345	360	390	390	390	390	390

2,005	2,089	2,257	2,257	2,257	2,257	2,257
4	5	7	9	9	9	9
-	-	-	-	-	-	-
23	25	50	75	490	490	490
-	-	-	-	-	-	-
66	93	116	116	116	116	116
-	-	-	-	-	-	-
-	-	-	-	-	-	-
52	52	52	52	52	52	52
172,165	172,640	173,264	172,819	173,265	172,768	172,889
470	357	361	376	378	379	380
404	357	361	376	378	379	380
-	-	-	-	-	-	-
66	-	-	-	-	-	-
-	-	-	-	-	-	-
914	1,135	1,423	1,603	1,747	1,952	2,169
161	160	161	161	161	162	162
-	-	-	-	-	-	-
753	975	1,262	1,442	1,586	1,790	2,007
-	-	-	-	-	-	-
171,721	171,862	172,202	171,592	171,896	171,195	171,100