Form EIA-411 2011
Released: January 2013
Next Update: November 2013

Table 5B.1. FRCC winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	FRCC	FRCC	1	Unrestricted Non-coincident Peak Demand		46,994	46,703	48,117	48,941	49,766	50,471	51,282	52,140	52,955	53,808
2011	US	WIN	FRCC	FRCC	1a	New Conservation (Energy Efficiency)		130	336	549	769	969	1,173	1,374	1,570	1,737	1,887
2011	US	WIN	FRCC	FRCC	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	1d	(Normally served by behind the		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	2	Total Internal Demand	40,117	46,864	46,367	47,568	48,172	48,797	49,298	49,908	50,570	51,218	51,921
2011	US	WIN	FRCC	FRCC	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	3	Net Internal Demand	39,924	43,558	43,049	44,228	44,790	45,297	45,752	46,305	46,910	47,509	48,169
2011	US	WIN	FRCC	FRCC	3a	Demand-Side Direct Control Load Management (DCLM)	133	2,727	2,766	2,795	2,835	2,945	2,987	3,030	3,073	3,114	3,157
2011	US	WIN	FRCC	FRCC	3b	Demand-Side Contractually Interruptible (Curtailable)	60	579	552	545	547	555	559	573	587	595	595
2011	US	WIN	FRCC	FRCC	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	3d	Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	4	Total Controllable Demand Response	193	3,306	3,318	3,340	3,382	3,500	3,546	3,603	3,660	3,709	3,752

Table 5B.1. FRCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	FRCC	FRCC	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a3	Solar Expected On-Peak		1	1	2	2	2	2	2	2	2	2
2011	US	WIN	FRCC	FRCC	7a4	Solar Derate On-Peak		3	4	5	6	6	6	6	7	7	7
2011	US	WIN	FRCC	FRCC	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a7	Biomass Expected On-Peak		52	326	313	313	383	368	368	366	366	366
2011	US	WIN	FRCC	FRCC	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a9	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a10	Scheduled Outage - Maintenance		-	-	805	805	805	805	805	805	805	805
2011	US	WIN	FRCC	FRCC	7a11	All Other Derates		5	12	21	33	44	57	69	83	96	110
2011	US	WIN	FRCC	FRCC	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b	Future-Other		3,248	1,161	416	439	866	881	1,157	1,159	1,159	1,705
2011	US	WIN	FRCC	FRCC	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b7	Biomass Expected On-Peak		-	43	56	56	56	71	71	73	73	73
2011	US	WIN	FRCC	FRCC	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b9	Transmission-Limited Resources											
2011	US	WIN	FRCC	FRCC	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8	Conceptual		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.1. FRCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	FRCC	FRCC	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a3	Solar Expected On-Peak		1	1	2	2	2	2	2	2	2	2
2011	US	WIN	FRCC	FRCC	7a4	Solar Derate On-Peak		3	4	5	6	6	6	6	7	7	7
2011	US	WIN	FRCC	FRCC	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a7	Biomass Expected On-Peak		52	326	313	313	383	368	368	366	366	366
2011	US	WIN	FRCC	FRCC	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a9	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7a10	Scheduled Outage - Maintenance		-	-	805	805	805	805	805	805	805	805
2011	US	WIN	FRCC	FRCC	7a11	All Other Derates		5	12	21	33	44	57	69	83	96	110
2011	US	WIN	FRCC	FRCC	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b	Future-Other		3,248	1,161	416	439	866	881	1,157	1,159	1,159	1,705
2011	US	WIN	FRCC	FRCC	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b7	Biomass Expected On-Peak		-	43	56	56	56	71	71	73	73	73
2011	US	WIN	FRCC	FRCC	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b9	Transmission-Limited Resources											
2011	US	WIN	FRCC	FRCC	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8	Conceptual		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.1. FRCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	FRCC	FRCC	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	9	ANTICIPATED INTERNAL CAPACITY		55,393	56,017	59,129	59,294	60,195	60,166	60,389	61,268	62,263	63,821
2011	US	WIN	FRCC	FRCC	10	CAPACITY TRANSACTIONS - IMPORTS	2,215	2,212	2,212	2,212	872	972	1,072	1,072	1,072	1,072	1,072
2011	US	WIN	FRCC	FRCC	10a	Firm	2,215	2,212	2,212	2,212	872	972	1,072	1,072	1,072	1,072	1,072
2011	US	WIN	FRCC	FRCC	10a1	Full-Responsibility Purchases	1,343	1,340	1,340	1,340	-	100	200	200	200	200	200
2011	US	WIN	FRCC	FRCC	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	872	872	872	872	872	872	872	872	872	872	872
2011	US	WIN	FRCC	FRCC	10b	Non-firm	-										
2011	US	WIN	FRCC	FRCC	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	11	CAPACITY TRANSACTIONS - EXPORTS	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	11a	Firm	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-

Table 5B.1. FRCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	FRCC	FRCC	11b	Non-firm	-										
2011	US	WIN	FRCC	FRCC	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	FRCC	FRCC	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	56,659	57,557	57,557	57,557	56,217	56,317	56,417	56,417	56,417	56,417	56,417
2011	US	WIN	FRCC	FRCC	13	ANTICIPATED CAPACITY RESOURCES		57,605	58,229	61,341	60,166	61,167	61,238	61,461	62,340	63,335	64,893
2011	US	WIN	FRCC	FRCC	14	PROSPECTIVE CAPACITY RESOURCES		63,079	61,616	63,983	62,831	64,260	64,346	64,844	65,725	66,720	68,824
2011	US	WIN	FRCC	FRCC	15	TOTAL POTENTIAL CAPACITY RESOURCES			61,616	63,983	62,831	64,260	64,346	64,844	65,725	66,720	68,824
2011	US	WIN	FRCC	FRCC	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			62,777	64,399	63,270	65,126	65,227	66,001	66,884	67,879	70,529
2011	US	WIN	FRCC	FRCC	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	FRCC	FRCC	16b	Net Future-Other Resources After Confidence Percentage Is Applied			1,161	416	439	866	881	1,157	1,159	1,159	1,705
2011	US	WIN	FRCC	FRCC	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	FRCC	FRCC	16d	Net Conceptual Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Form EIA-411 2011

Released: January 2013

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Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New England	1	Unrestricted Non-coincident Peak Demand		22,355	22,510	22,670	22,825	22,960	23,090	23,210	23,330	23,445	23,565
2011	US	WIN	NPCC	New England	1a	New Conservation (Energy Efficiency)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	2	Total Internal Demand	21,333	22,355	22,510	22,670	22,825	22,960	23,090	23,210	23,330	23,445	23,565
2011	US	WIN	NPCC	New England	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	2d	Supply-Side Load as a Capacity Resource	-	957	1,536	1,837	1,795	1,795	1,795	1,795	1,795	1,795	1,795
2011	US	WIN	NPCC	New England	3	Net Internal Demand	19,905	21,392	21,383	21,285	21,193	21,097	21,011	20,929	20,859	20,797	20,750
2011	US	WIN	NPCC	New England	3a	Demand-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	3b	Demand-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	3d	Demand-Side Load as a Capacity Resource	1,428	963	1,127	1,385	1,632	1,863	2,079	2,281	2,471	2,648	2,815

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New England	4	Total Controllable Demand Response	1,428	1,920	2,663	3,222	3,427	3,658	3,874	4,076	4,266	4,443	4,610
2011	US	WIN	NPCC	New England	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	4d	Demand Response used for Energy, Voluntary Services - Emergency	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	5	TOTAL INTERNAL CAPACITY	35,286	35,545	35,635	35,048	35,048	35,048	35,048	35,048	35,048	35,048	35,048
2011	US	WIN	NPCC	New England	6a	Existing-Certain	32,488	34,610	34,610	34,610	34,610	34,610	34,610	34,610	34,610	34,610	34,610
2011	US	WIN	NPCC	New England	6a1	Wind Expected On-Peak	126	188	188	188	188	188	188	188	188	188	188
2011	US	WIN	NPCC	New England	6a2	Solar Expected On-Peak	1	2	2	2	2	2	2	2	2	2	2
2011	US	WIN	NPCC	New England	6a3	Hydro Expected On-Peak	1,622	1,622	1,622	1,622	1,622	1,622	1,622	1,622	1,622	1,622	1,622
2011	US	WIN	NPCC	New England	6a4	Biomass Expected On-Peak	945	945	945	945	945	945	945	945	945	945	945
2011	US	WIN	NPCC	New England	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	6b1	Wind Derate On-Peak	440	378	378	378	378	378	378	378	378	378	378
2011	US	WIN	NPCC	New England	6b2	Solar Derate On-Peak	17	17	17	17	17	17	17	17	17	17	17
2011	US	WIN	NPCC	New England	6b3	Hydro Derate On-Peak	421	421	421	421	421	421	421	421	421	421	421
2011	US	WIN	NPCC	New England	6b4	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	6b6	All Other Derates	954	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	966	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	6d	Total Supply-Side Demand Response	-	957	1,536	1,837	1,795	1,795	1,795	1,795	1,795	1,795	1,795

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New England	7	TOTAL FUTURE CAPACITY ADDITIONS		(34)	56	(531)	(531)	(531)	(531)	(531)	(531)	(531)	(531)
2011	US	WIN	NPCC	New England	7a	Future-Planned		(34)	56	(531)	(531)	(531)	(531)	(531)	(531)	(531)	(531)
2011	US	WIN	NPCC	New England	7a1	Wind Expected On-Peak		74	74	74	74	74	74	74	74	74	74
2011	US	WIN	NPCC	New England	7a2	Wind Derate On-Peak		154	154	154	154	154	154	154	154	154	154
2011	US	WIN	NPCC	New England	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7a5	Hydro Expected On-Peak		-	8	8	8	8	8	8	8	8	8
2011	US	WIN	NPCC	New England	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7a7	Biomass Expected On-Peak		53	112	112	112	112	112	112	112	112	112
2011	US	WIN	NPCC	New England	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7a9	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New England	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b9	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	8	Conceptual		191	1,249	1,866	3,644	6,037	6,037	6,037	6,037	6,037	6,037
2011	US	WIN	NPCC	New England	8a1	Wind Expected On-Peak		40	1,043	1,492	1,742	1,991	1,991	1,991	1,991	1,991	1,991
2011	US	WIN	NPCC	New England	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	8a3	Solar Expected On-Peak		10	10	16	16	16	16	16	16	16	16
2011	US	WIN	NPCC	New England	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	8a5	Hydro Expected On-Peak		17	21	21	21	21	21	21	21	21	21
2011	US	WIN	NPCC	New England	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	8a7	Biomass Expected On-Peak		35	86	124	159	159	159	159	159	159	159
2011	US	WIN	NPCC	New England	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	9	ANTICIPATED INTERNAL CAPACITY		35,533	36,202	35,916	35,874	35,874	35,874	35,874	35,874	35,874	35,874
2011	US	WIN	NPCC	New England	10	CAPACITY TRANSACTIONS - IMPORTS	505	575	1,746	1,381	1,757	95	95	95	95	89	89
2011	US	WIN	NPCC	New England	10a	Firm	505	575	1,746	1,381	1,757	95	95	95	95	89	89
2011	US	WIN	NPCC	New England	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New England	10b	Non-firm	-	-									
2011	US	WIN	NPCC	New England	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	11	CAPACITY TRANSACTIONS - EXPORTS	100	100	100	100	100	100	100	100	100	100	100
2011	US	WIN	NPCC	New England	11a	Firm	100	100	100	100	100	100	100	100	100	100	100
2011	US	WIN	NPCC	New England	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	11b	Non-firm	-										
2011	US	WIN	NPCC	New England	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New England	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	32,893	36,042	37,792	37,728	38,062	36,400	36,400	36,400	36,400	36,394	36,394
2011	US	WIN	NPCC	New England	13	ANTICIPATED CAPACITY RESOURCES		36,042	37,848	37,197	37,531	35,869	35,869	35,869	35,869	35,863	35,863
2011	US	WIN	NPCC	New England	14	PROSPECTIVE CAPACITY RESOURCES			37,848	37,197	37,531	35,869	35,869	35,869	35,869	35,863	35,863
2011	US	WIN	NPCC	New England	15	TOTAL POTENTIAL CAPACITY RESOURCES			39,097	39,063	41,174	41,906	41,906	41,906	41,906	41,900	41,900
2011	US	WIN	NPCC	New England	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			38,098	37,570	38,259	37,076	37,076	37,076	37,076	37,070	37,070
2011	US	WIN	NPCC	New England	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	NPCC	New England	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New England	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0
2011	US	WIN	NPCC	New England	16d	Net Conceptual Resources After Confidence Percentage Is Applied			250	373	729	1,207	1,207	1,207	1,207	1,207	1,207
2011	US	WIN	NPCC	New York	1	Unrestricted Non-coincident Peak Demand		25,128	25,465	25,781	26,082	26,383	26,585	26,863	27,153	27,479	27,763
2011	US	WIN	NPCC	New York	1a	New Conservation (Energy Efficiency)		296	536	782	1,029	1,234	1,432	1,598	1,731	1,852	1,969
2011	US	WIN	NPCC	New York	1b	Estimated Diversity				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	2	Total Internal Demand	23,901	24,832	24,929	24,999	25,053	25,149	25,153	25,265	25,422	25,627	25,794
2011	US	WIN	NPCC	New York	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	2d	Supply-Side Load as a Capacity Resource	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424
2011	US	WIN	NPCC	New York	3	Net Internal Demand	23,901	24,832	24,929	24,999	25,053	25,149	25,153	25,265	25,422	25,627	25,794
2011	US	WIN	NPCC	New York	3a	Demand-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	3b	Demand-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	3c	Demand-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	3d	Demand-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	4	Total Controllable Demand Response	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New York	4a	Demand Response used for Ancillary Services - Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	4d	Demand Response used for Energy, Voluntary Services - Emergency	257	257	257	257	257	257	257	257	257	257	257
2011	US	WIN	NPCC	New York	5	TOTAL INTERNAL CAPACITY	38,887	41,259	40,361	40,363	40,366	40,369	40,371	40,374	40,377	40,379	40,382
2011	US	WIN	NPCC	New York	6a	Existing-Certain	38,887	40,317	40,317	40,317	40,317	40,317	40,317	40,317	40,317	40,317	40,317
2011	US	WIN	NPCC	New York	6a1	Wind Expected On-Peak		131	131	131	131	131	131	131	131	131	131
2011	US	WIN	NPCC	New York	6a2	Solar Expected On-Peak		3	3	3	3	3	3	3	3	3	3
2011	US	WIN	NPCC	New York	6a3	Hydro Expected On-Peak		3,831	3,831	3,831	3,831	3,831	3,831	3,831	3,831	3,831	3,831
2011	US	WIN	NPCC	New York	6a4	Biomass Expected On-Peak		388	388	388	388	388	388	388	388	388	388
2011	US	WIN	NPCC	New York	6b	Existing-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	6b1	Wind Derate On-Peak		1,180	1,180	1,180	1,180	1,180	1,180	1,180	1,180	1,180	1,180
2011	US	WIN	NPCC	New York	6b2	Solar Derate On-Peak		28	28	28	28	28	28	28	28	28	28
2011	US	WIN	NPCC	New York	6b3	Hydro Derate On-Peak		453	453	453	453	453	453	453	453	453	453
2011	US	WIN	NPCC	New York	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	6b6	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	6d	Total Supply-Side Demand Response	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424
2011	US	WIN	NPCC	New York	7	TOTAL FUTURE CAPACITY ADDITIONS		(724)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)
2011	US	WIN	NPCC	New York	7a	Future-Planned		(724)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)	(1,629)
2011	US	WIN	NPCC	New York	7a1	Wind Expected On-Peak		-	2	2	2	2	2	2	2	2	2
2011	US	WIN	NPCC	New York	7a2	Wind Derate On-Peak		-	4	4	4	4	4	4	4	4	4
2011	US	WIN	NPCC	New York	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New York	7a5	Hydro Expected On-Peak		2	2	2	2	2	2	2	2	2	2
2011	US	WIN	NPCC	New York	7a6	Hydro Derate On-Peak		1	1	1	1	1	1	1	1	1	1
2011	US	WIN	NPCC	New York	7a7	Biomass Expected On-Peak		12	12	12	12	12	12	12	12	12	12
2011	US	WIN	NPCC	New York	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7a9	Transmission-Limited Resources											
2011	US	WIN	NPCC	New York	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7a11	All Other Derates		3	5	8	11	14	16	19	22	24	27
2011	US	WIN	NPCC	New York	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b9	Transmission-Limited Resources											
2011	US	WIN	NPCC	New York	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	8	Conceptual		74	333	664	1,844	2,898	2,898	2,898	3,276	3,276	3,276
2011	US	WIN	NPCC	New York	8a1	Wind Expected On-Peak		74	377	417	462	536	536	536	914	914	914
2011	US	WIN	NPCC	New York	8a2	Wind Derate On-Peak		173	706	801	906	1,077	1,077	1,077	1,959	1,959	1,959
2011	US	WIN	NPCC	New York	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	8a5	Hydro Expected On-Peak		-	6	6	6	6	6	6	6	6	6
2011	US	WIN	NPCC	New York	8a6	Hydro Derate On-Peak		-	5	5	5	5	5	5	5	5	5
2011	US	WIN	NPCC	New York	8a7	Biomass Expected On-Peak		-	24	24	24	24	24	24	24	24	24

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New York	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	8a9	All Other Derates		-	183	193	203	213	223	233	243	253	263
2011	US	WIN	NPCC	New York	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	9	ANTICIPATED INTERNAL CAPACITY		41,017	40,112	40,112	40,112	40,112	40,112	40,112	40,112	40,112	40,112
2011	US	WIN	NPCC	New York	10	CAPACITY TRANSACTIONS - IMPORTS	965	1,100	2,772	1,419	1,369	1,369	1,369	1,369	1,369	1,369	2,722
2011	US	WIN	NPCC	New York	10a	Firm	965	1,100	1,419	1,369	1,369	1,369	1,369	1,369	1,369	1,369	1,369
2011	US	WIN	NPCC	New York	10a1	Full-Responsibility Purchases											
2011	US	WIN	NPCC	New York	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	10b	Non-firm											
2011	US	WIN	NPCC	New York	10c	Expected			1,353	1,353	1,353	1,353	1,353	1,353	1,353	1,353	1,353
2011	US	WIN	NPCC	New York	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	11	CAPACITY TRANSACTIONS - EXPORTS	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	11a	Firm			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	11a1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-

Table 5B.2. NPCC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	NPCC	New York	11b	Non-firm											
2011	US	WIN	NPCC	New York	11c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	41,276	42,841	43,160	43,110	43,110	43,110	43,110	43,110	43,110	43,110	43,110
2011	US	WIN	NPCC	New York	13	ANTICIPATED CAPACITY RESOURCES		42,841	42,883	41,530	41,480	41,480	41,480	41,480	41,480	41,480	42,833
2011	US	WIN	NPCC	New York	14	PROSPECTIVE CAPACITY RESOURCES			42,883	41,530	41,480	41,480	41,480	41,480	41,480	41,480	42,833
2011	US	WIN	NPCC	New York	15	TOTAL POTENTIAL CAPACITY RESOURCES			43,216	42,194	43,325	44,379	44,379	44,379	44,757	44,757	46,110
2011	US	WIN	NPCC	New York	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			43,216	42,194	43,325	44,379	44,379	44,379	44,757	44,757	46,110
2011	US	WIN	NPCC	New York	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	NPCC	New York	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	NPCC	New York	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	NPCC	New York	16d	Net Conceptual Resources After Confidence Percentage Is Applied			333	664	1,844	2,898	2,898	2,898	3,276	3,276	3,276

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Form EIA-411 2011
Released: January 2013
Next Update: November 2013

Table 5B.3. MAPP winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MAPP	MAPP	1	Unrestricted Non-coincident Peak Demand		5,145	5,257	5,409	5,495	5,767	5,854	5,975	6,087	6,193	6,300
2011	US	WIN	MAPP	MAPP	1a	New Conservation (Energy Efficiency)		24	29	35	41	47	52	58	64	70	76
2011	US	WIN	MAPP	MAPP	1b	Estimated Diversity				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	2	Total Internal Demand	4803.29	5,121	5,228	5,374	5,454	5,720	5,802	5,917	6,023	6,123	6,224
2011	US	WIN	MAPP	MAPP	2a	Supply-Side Direct Control Load Management (DCLM)	0.2	0	0	0	0	0	0	0	0	0	0
2011	US	WIN	MAPP	MAPP	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	3	Net Internal Demand	4443.29	4,756	4,858	4,999	5,074	5,335	5,412	5,522	5,623	5,718	5,814
2011	US	WIN	MAPP	MAPP	3a	Demand-Side Direct Control Load Management (DCLM)	360	365	370	375	380	385	390	395	400	405	410
2011	US	WIN	MAPP	MAPP	3b	Demand-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	3c	Demand-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	3d	Demand-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	4	Total Controllable Demand Response	360.2	365	370	375	380	385	390	395	400	405	410

Table 5B.3. MAPP winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MAPP	MAPP	4a	Demand Response used for Ancillary Services - Spinning Reserves	50	50	50	50	50	50	50	50	50	50	50
2011	US	WIN	MAPP	MAPP	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	50	50	50	50	50	50	50	50	50	50	50
2011	US	WIN	MAPP	MAPP	4c	Demand Response used for Regulation	100	100	100	100	100	100	100	100	100	100	100
2011	US	WIN	MAPP	MAPP	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	5	TOTAL INTERNAL CAPACITY	8106.51	8,481	8,768	8,793	8,818	8,838	8,838	8,838	8,838	8,838	8,838
2011	US	WIN	MAPP	MAPP	6a	Existing-Certain	6540.18	7,175	7,175	7,175	7,175	7,175	7,175	7,175	7,175	7,175	7,175
2011	US	WIN	MAPP	MAPP	6a1	Wind Expected On-Peak	321.8	350	350	350	350	350	350	350	350	350	350
2011	US	WIN	MAPP	MAPP	6a2	Solar Expected On-Peak	0	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	6a3	Hydro Expected On-Peak	2132.7	2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135
2011	US	WIN	MAPP	MAPP	6a4	Biomass Expected On-Peak	2.8	3	3	3	3	3	3	3	3	3	3
2011	US	WIN	MAPP	MAPP	6b	Existing-Other	0	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	6b1	Wind Derate On-Peak	782.202	754	754	754	754	754	754	754	754	754	754
2011	US	WIN	MAPP	MAPP	6b2	Solar Derate On-Peak	0	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	6b3	Hydro Derate On-Peak	222	222	222	222	222	222	222	222	222	222	222
2011	US	WIN	MAPP	MAPP	6b4	Biomass Derate On-Peak	0	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	6b5	Transmission-Limited Resources	0		-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	6b6	All Other Derates	16.6	30	30	30	30	30	30	30	30	30	30
2011	US	WIN	MAPP	MAPP	6b7	Energy-Only (Existing-Other)	0	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	6d	Total Supply-Side Demand Response	0.2	0	0	0	0	0	0	0	0	0	0
2011	US	WIN	MAPP	MAPP	7	TOTAL FUTURE CAPACITY ADDITIONS		300	528	553	578	598	598	598	598	598	598
2011	US	WIN	MAPP	MAPP	7a	Future-Planned		300	528	553	578	598	598	598	598	598	598
2011	US	WIN	MAPP	MAPP	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.3. MAPP winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MAPP	MAPP	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a9	Transmission-Limited Resources											
2011	US	WIN	MAPP	MAPP	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7a12	Energy-Only		-	60	60	60	60	60	60	60	60	60
2011	US	WIN	MAPP	MAPP	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b9	Transmission-Limited Resources											
2011	US	WIN	MAPP	MAPP	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8	Conceptual		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.3. MAPP winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MAPP	MAPP	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	9	ANTICIPATED INTERNAL CAPACITY		7,475	7,702	7,727	7,752	7,772	7,772	7,772	7,772	7,772	7,772
2011	US	WIN	MAPP	MAPP	10	CAPACITY TRANSACTIONS - IMPORTS	181.78	245	351	353	356	378	380	382	362	362	362
2011	US	WIN	MAPP	MAPP	10a	Firm	181.78	245	351	353	356	378	380	382	362	362	362
2011	US	WIN	MAPP	MAPP	10a1	Full-Responsibility Purchases	50.8	14	16	18	21	23	25	27	7	7	7
2011	US	WIN	MAPP	MAPP	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	0	100	190	190	190	240	240	240	240	240	240
2011	US	WIN	MAPP	MAPP	10b	Non-firm											
2011	US	WIN	MAPP	MAPP	10c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	11	CAPACITY TRANSACTIONS - EXPORTS	1401.7	1,399	1,380	1,367	1,268	1,268	1,268	1,268	1,268	1,268	1,268
2011	US	WIN	MAPP	MAPP	11a	Firm	1401.7	1,399	1,380	1,367	1,268	1,268	1,268	1,268	1,268	1,268	1,268
2011	US	WIN	MAPP	MAPP	11a1	Full-Responsibility Purchases	1381.7	1,379	1,380	1,367	1,268	1,268	1,268	1,268	1,268	1,268	1,268
2011	US	WIN	MAPP	MAPP	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-

Table 5B.3. MAPP winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MAPP	MAPP	11b	Non-firm											
2011	US	WIN	MAPP	MAPP	11c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	5320.46	6,021	6,146	6,160	6,263	6,285	6,287	6,289	6,269	6,269	6,269
2011	US	WIN	MAPP	MAPP	13	ANTICIPATED CAPACITY RESOURCES		6,021	6,673	6,713	6,840	6,882	6,884	6,886	6,866	6,866	6,866
2011	US	WIN	MAPP	MAPP	14	PROSPECTIVE CAPACITY RESOURCES			6,673	6,713	6,840	6,882	6,884	6,886	6,866	6,866	6,866
2011	US	WIN	MAPP	MAPP	15	TOTAL POTENTIAL CAPACITY RESOURCES			6,673	6,713	6,840	6,882	6,884	6,886	6,866	6,866	6,866
2011	US	WIN	MAPP	MAPP	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			6,673	6,713	6,840	6,882	6,884	6,886	6,866	6,866	6,866
2011	US	WIN	MAPP	MAPP	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	MAPP	MAPP	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	MAPP	MAPP	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	MAPP	MAPP	16d	Net Conceptual Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

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• E - Estimate; NA - Not Available

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

Form EIA-411 2011
Released: January 2013
Next Update: November 2013

Table 5B.4. MISO winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MISO	MISO	1	Unrestricted Non-coincident Peak Demand		78,802	76,277	82,510	83,558	84,737	85,743	86,974	88,177	89,219	90,488
2011	US	WIN	MISO	MISO	1a	New Conservation (Energy Efficiency)		104	100	307	576	892	1,227	1,581	1,938	2,295	2,659
2011	US	WIN	MISO	MISO	1b	Estimated Diversity		3,346	3,346	3,602	3,631	3,666	3,693	3,729	3,764	3,792	3,829
2011	US	WIN	MISO	MISO	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	1e	Non-Controllable Demand-Side Demand Response		268	259	457	578	658	720	773	826	880	936
2011	US	WIN	MISO	MISO	2	Total Internal Demand	86,844	75,085	72,572	78,143	78,773	79,521	80,104	80,891	81,649	82,252	83,064
2011	US	WIN	MISO	MISO	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	2d	Supply-Side Load as a Capacity Resource	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001
2011	US	WIN	MISO	MISO	3	Net Internal Demand	83,946	72,187	69,663	74,965	75,354	75,854	76,172	76,692	77,174	77,498	78,022
2011	US	WIN	MISO	MISO	3a	Demand-Side Direct Control Load Management (DCLM)	305	305	329	359	386	414	444	474	505	537	570
2011	US	WIN	MISO	MISO	3b	Demand-Side Contractually Interruptible (Curtailable)	2,593	2,593	2,580	2,819	3,033	3,252	3,488	3,725	3,969	4,217	4,473
2011	US	WIN	MISO	MISO	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	3d	Demand-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	4	Total Controllable Demand Response	5,899	5,899	5,910	6,179	6,420	6,668	6,933	7,200	7,475	7,755	8,043

Table 5B.4. MISO winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MISO	MISO	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	4d	Demand Response used for Energy, Voluntary Services - Emergency	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	5	TOTAL INTERNAL CAPACITY	128,519	126,526	126,670	127,098	128,197	128,347	129,910	130,075	130,075	130,075	130,075
2011	US	WIN	MISO	MISO	6a	Existing-Certain	96,003	103,826	103,826	103,826	103,826	103,826	103,826	103,826	103,826	103,826	103,826
2011	US	WIN	MISO	MISO	6a1	Wind Expected On-Peak	3,324	563	563	563	563	563	563	563	563	563	563
2011	US	WIN	MISO	MISO	6a2	Solar Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	6a3	Hydro Expected On-Peak	2,970	794	794	794	794	794	794	794	794	794	794
2011	US	WIN	MISO	MISO	6a4	Biomass Expected On-Peak	481	493	493	493	493	493	493	493	493	493	493
2011	US	WIN	MISO	MISO	6b	Existing-Other	4,251	11,652	11,652	11,652	11,652	11,652	11,652	11,652	11,652	11,652	11,652
2011	US	WIN	MISO	MISO	6b1	Wind Derate On-Peak	5,253	9,204	9,204	9,204	9,204	9,204	9,204	9,204	9,204	9,204	9,204
2011	US	WIN	MISO	MISO	6b2	Solar Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	6b3	Hydro Derate On-Peak	-	85	85	85	85	85	85	85	85	85	85
2011	US	WIN	MISO	MISO	6b4	Biomass Derate On-Peak	-	106	106	106	106	106	106	106	106	106	106
2011	US	WIN	MISO	MISO	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	6b6	All Other Derates	-	27	27	27	27	27	27	27	27	27	27
2011	US	WIN	MISO	MISO	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	23,011	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626	1,626
2011	US	WIN	MISO	MISO	6d	Total Supply-Side Demand Response	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001	3,001
2011	US	WIN	MISO	MISO	7	TOTAL FUTURE CAPACITY ADDITIONS		-	(58)	331	1,430	1,551	3,114	3,138	3,138	3,138	3,138
2011	US	WIN	MISO	MISO	7a	Future-Planned		-	(79)	151	455	576	2,139	2,164	2,164	2,164	2,164
2011	US	WIN	MISO	MISO	7a1	Wind Expected On-Peak		-	35	42	42	47	47	71	71	71	71
2011	US	WIN	MISO	MISO	7a2	Wind Derate On-Peak		-	202	241	241	270	270	411	411	411	411
2011	US	WIN	MISO	MISO	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.4. MISO winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MISO	MISO	7a7	Biomass Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7a8	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7a9	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7a10	Scheduled Outage - Maintenance	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7a11	All Other Derates	-	-	-	-	-	(0)	(0)	(0)	(0)	(0)	(0)
2011	US	WIN	MISO	MISO	7a12	Energy-Only	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b	Future-Other	-	21	180	975	975	975	975	975	975	975	975
2011	US	WIN	MISO	MISO	7b1	Wind Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b2	Wind Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b3	Solar Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b4	Solar Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b5	Hydro Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b6	Hydro Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b7	Biomass Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b8	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b9	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b10	Scheduled Outage - Maintenance	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b11	All Other Derates	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	7b12	Energy-Only	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8	Conceptual	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a1	Wind Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a2	Wind Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a3	Solar Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a4	Solar Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a5	Hydro Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a6	Hydro Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-

Table 5B.4. MISO winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MISO	MISO	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	9	ANTICIPATED INTERNAL CAPACITY		106,827	106,748	106,978	107,282	107,403	108,966	108,990	108,990	108,990	108,990
2011	US	WIN	MISO	MISO	10	CAPACITY TRANSACTIONS - IMPORTS	8,161	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714
2011	US	WIN	MISO	MISO	10a	Firm	2,558	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714
2011	US	WIN	MISO	MISO	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	10b	Non-firm	5,603										
2011	US	WIN	MISO	MISO	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	11	CAPACITY TRANSACTIONS - EXPORTS	439	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	11a	Firm	335	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	11b	Non-firm	104										
2011	US	WIN	MISO	MISO	11c	Expected		-	-	-	-	-	-	-	-	-	-

Table 5B.4. MISO winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	MISO	MISO	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	MISO	MISO	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	101,227	109,541	109,541	109,541	109,541	109,541	109,541	109,541	109,541	109,541	109,541
2011	US	WIN	MISO	MISO	13	ANTICIPATED CAPACITY RESOURCES		109,541	109,462	109,692	109,996	110,117	111,680	111,704	111,704	111,704	111,704
2011	US	WIN	MISO	MISO	14	PROSPECTIVE CAPACITY RESOURCES			121,135	121,524	122,623	122,744	124,307	124,331	124,331	124,331	124,331
2011	US	WIN	MISO	MISO	15	TOTAL POTENTIAL CAPACITY RESOURCES			121,135	121,524	122,623	122,744	124,307	124,331	124,331	124,331	124,331
2011	US	WIN	MISO	MISO	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			121,156	121,704	123,597	123,718	125,281	125,306	125,306	125,306	125,306
2011	US	WIN	MISO	MISO	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	MISO	MISO	16b	Net Future-Other Resources After Confidence Percentage Is Applied			21	180	975	975	975	975	975	975	975
2011	US	WIN	MISO	MISO	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	MISO	MISO	16d	Net Conceptual Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Form EIA-411 2011

Released: January 2013

Next Update: November 2013

Table 5B.5. PJM winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	PJM	PJM	1	Unrestricted Non-coincident Peak Demand		134,093	136,086	138,711	140,863	142,623	143,788	145,038	146,072	147,496	148,996
2011	US	WIN	PJM	PJM	1a	New Conservation (Energy Efficiency)		581	728	804	804	804	804	804	804	804	804
2011	US	WIN	PJM	PJM	1b	Estimated Diversity		3,290	3,198	3,136	3,148	3,252	3,322	3,390	3,250	3,273	3,356
2011	US	WIN	PJM	PJM	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	2	Total Internal Demand	122,563	130,222	132,160	134,771	136,911	138,567	139,662	140,844	142,018	143,419	144,836
2011	US	WIN	PJM	PJM	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	3	Net Internal Demand	110,963	119,222	121,160	121,571	123,711	125,367	126,462	127,644	128,818	130,219	131,636
2011	US	WIN	PJM	PJM	3a	Demand-Side Direct Control Load Management (DCLM)	695	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2011	US	WIN	PJM	PJM	3b	Demand-Side Contractually Interruptible (Curtailable)	4,828	5,000	5,000	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200
2011	US	WIN	PJM	PJM	3c	Demand-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	3d	Demand-Side Load as a Capacity Resource	6,077	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
2011	US	WIN	PJM	PJM	4	Total Controllable Demand Response	11,600	11,000	11,000	13,200	13,200	13,200	13,200	13,200	13,200	13,200	13,200

Table 5B.5. PJM winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Actual 2015	Projected 2016	Projected 2017	Projected 2018	Projected 2019	Projected 2020	Projected 2021
2011	US	WIN	PJM	PJM	4a	Demand Response used for Ancillary Services - Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	5	TOTAL INTERNAL CAPACITY	186,164	190,674	190,584	191,836	187,116	187,251	187,351	189,002	189,083	189,163	189,244
2011	US	WIN	PJM	PJM	6a	Existing-Certain	180,417	185,424	185,424	185,424	185,424	185,424	185,424	185,424	185,424	185,424	185,424
2011	US	WIN	PJM	PJM	6a1	Wind Expected On-Peak	670	711	711	711	711	711	711	711	711	711	711
2011	US	WIN	PJM	PJM	6a2	Solar Expected On-Peak	12	42	42	42	42	42	42	42	42	42	42
2011	US	WIN	PJM	PJM	6a3	Hydro Expected On-Peak	2,632	2,677	2,677	2,677	2,677	2,677	2,677	2,677	2,677	2,677	2,677
2011	US	WIN	PJM	PJM	6a4	Biomass Expected On-Peak	874	943	943	943	943	943	943	943	943	943	943
2011	US	WIN	PJM	PJM	6b	Existing-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	6b1	Wind Derate On-Peak	4,273	4,761	4,761	4,761	4,761	4,761	4,761	4,761	4,761	4,761	4,761
2011	US	WIN	PJM	PJM	6b2	Solar Derate On-Peak	20	64	64	64	64	64	64	64	64	64	64
2011	US	WIN	PJM	PJM	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	6b4	Biomass Derate On-Peak	4	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	6b6	All Other Derates	1,450	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7	TOTAL FUTURE CAPACITY ADDITIONS		202	(716)	240	(4,897)	(4,818)	(4,810)	(3,240)	(3,240)	(3,240)	(3,240)
2011	US	WIN	PJM	PJM	7a	Future-Planned		202	(716)	240	(4,897)	(4,818)	(4,810)	(3,240)	(3,240)	(3,240)	(3,240)
2011	US	WIN	PJM	PJM	7a1	Wind Expected On-Peak		50	216	276	366	366	366	366	366	366	366
2011	US	WIN	PJM	PJM	7a2	Wind Derate On-Peak		200	952	1,192	1,552	1,552	1,552	1,552	1,552	1,552	1,552
2011	US	WIN	PJM	PJM	7a3	Solar Expected On-Peak		5	17	21	21	21	28	28	28	28	28

Table 5B.5. PJM winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	PJM	PJM	7a4	Solar Derate On-Peak		8	28	28	28	28	40	40	40	40	40
2011	US	WIN	PJM	PJM	7a5	Hydro Expected On-Peak		-	-	112	112	112	112	112	112	112	112
2011	US	WIN	PJM	PJM	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7a7	Biomass Expected On-Peak		5	79	140	149	149	149	149	149	149	149
2011	US	WIN	PJM	PJM	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7a9	Transmission-Limited Resources											
2011	US	WIN	PJM	PJM	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7a11	All Other Derates		16	72	128	184	240	320	401	482	562	643
2011	US	WIN	PJM	PJM	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b9	Transmission-Limited Resources											
2011	US	WIN	PJM	PJM	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	8	Conceptual		-	4,853	8,667	28,417	37,729	46,278	50,570	50,570	50,570	50,570
2011	US	WIN	PJM	PJM	8a1	Wind Expected On-Peak		-	945	2,230	5,522	5,843	5,859	5,859	5,859	5,859	5,859
2011	US	WIN	PJM	PJM	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	8a3	Solar Expected On-Peak		-	526	672	1,225	1,227	1,255	1,278	1,278	1,278	1,278
2011	US	WIN	PJM	PJM	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	8a5	Hydro Expected On-Peak		-	42	109	200	200	200	200	200	200	200
2011	US	WIN	PJM	PJM	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	8a7	Biomass Expected On-Peak		-	123	239	347	347	347	347	347	347	347
2011	US	WIN	PJM	PJM	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.5. PJM winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	PJM	PJM	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	9	ANTICIPATED INTERNAL CAPACITY		185,626	184,708	185,664	180,527	180,606	180,614	182,184	182,184	182,184	182,184
2011	US	WIN	PJM	PJM	10	CAPACITY TRANSACTIONS - IMPORTS	3,858	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453
2011	US	WIN	PJM	PJM	10a	Firm	3,858	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453
2011	US	WIN	PJM	PJM	10a1	Full-Responsibility Purchases	3,858	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453
2011	US	WIN	PJM	PJM	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	10b	Non-firm											
2011	US	WIN	PJM	PJM	10c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	11	CAPACITY TRANSACTIONS - EXPORTS	2,598	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236
2011	US	WIN	PJM	PJM	11a	Firm	2,598	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236
2011	US	WIN	PJM	PJM	11a1	Full-Responsibility Purchases	2,598	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236	1,236
2011	US	WIN	PJM	PJM	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	11b	Non-firm											
2011	US	WIN	PJM	PJM	11c	Expected			-	-	-	-	-	-	-	-	-

Table 5B.5. PJM winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Actual 2015	Projected 2016	Projected 2017	Projected 2018	Projected 2019	Projected 2020	Projected 2021
2011	US	WIN	PJM	PJM	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	181,677	185,641	185,641	185,641	185,641	185,641	185,641	185,641	185,641	185,641	185,641
2011	US	WIN	PJM	PJM	13	ANTICIPATED CAPACITY RESOURCES		185,641	184,925	185,881	180,744	180,823	180,831	182,401	182,401	182,401	182,401
2011	US	WIN	PJM	PJM	14	PROSPECTIVE CAPACITY RESOURCES			184,925	185,881	180,744	180,823	180,831	182,401	182,401	182,401	182,401
2011	US	WIN	PJM	PJM	15	TOTAL POTENTIAL CAPACITY RESOURCES			189,778	194,548	209,161	218,552	227,108	232,971	232,971	232,971	232,971
2011	US	WIN	PJM	PJM	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			186,623	188,914	188,715	190,191	191,479	193,693	193,693	193,693	193,693
2011	US	WIN	PJM	PJM	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	PJM	PJM	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	PJM	PJM	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0
2011	US	WIN	PJM	PJM	16d	Net Conceptual Resources After Confidence Percentage Is Applied			1,699	3,034	7,971	9,368	10,648	11,292	11,292	11,292	11,292

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Form EIA-411 2011

Released: January 2013

Next Update: November 2013

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011

megawatts

							Actual	Projected									
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-E	1	Unrestricted Non-coincident Peak Demand		43,064	43,594	44,135	44,803	45,377	45,974	46,597	47,351	48,007	48,641
2011	US	WIN	SERC	SERC-E	1a	New Conservation (Energy Efficiency)		224	291	437	563	667	773	884	997	1,104	1,147
2011	US	WIN	SERC	SERC-E	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	1c	Additions for non-member load (load served by non-registered LSE's in a region)		234	234	234	235	239	243	247	250	254	259
2011	US	WIN	SERC	SERC-E	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		76	45	45	45	44	44	44	44	44	44
2011	US	WIN	SERC	SERC-E	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	2	Total Internal Demand	41,789	43,150	43,582	43,977	44,520	44,993	45,487	46,003	46,648	47,201	47,797
2011	US	WIN	SERC	SERC-E	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	3	Net Internal Demand	40,503	41,640	42,042	42,408	42,934	43,395	43,879	44,382	45,016	45,557	46,144
2011	US	WIN	SERC	SERC-E	3a	Demand-Side Direct Control Load Management (DCLM)	454	472	491	508	518	527	536	546	555	564	571
2011	US	WIN	SERC	SERC-E	3b	Demand-Side Contractually Interruptible (Curtailable)	737	940	941	953	960	963	965	967	969	972	974
2011	US	WIN	SERC	SERC-E	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	6	10	19	19	19	19	19	19	19	19	19
2011	US	WIN	SERC	SERC-E	3d	Demand-Side Load as a Capacity Resource	89	89	89	89	89	89	89	89	89	89	89

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-E	4a	Demand Response used for Ancillary Services - Spinning Reserves	602	599	599	599	599	599	599	599	599	599	599
2011	US	WIN	SERC	SERC-E	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	242	242	242	242	242	242	242	242	242	242	242
2011	US	WIN	SERC	SERC-E	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	4d	Demand Response used for Energy, Voluntary Services - Emergency	695	846	860	863	866	869	872	875	879	879	879
2011	US	WIN	SERC	SERC-E	5	TOTAL INTERNAL CAPACITY	50,019	51,996	53,826	54,543	54,543	55,660	55,660	55,660	56,978	57,259	57,937
2011	US	WIN	SERC	SERC-E	6a	Existing-Certain	50,019	50,526	50,526	50,526	50,526	50,526	50,526	50,526	50,526	50,526	50,526
2011	US	WIN	SERC	SERC-E	6a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6a2	Solar Expected On-Peak		23	23	23	23	23	23	23	23	23	23
2011	US	WIN	SERC	SERC-E	6a3	Hydro Expected On-Peak		3,094	3,094	3,094	3,094	3,094	3,094	3,094	3,094	3,094	3,094
2011	US	WIN	SERC	SERC-E	6a4	Biomass Expected On-Peak		77	77	77	77	77	77	77	77	77	77
2011	US	WIN	SERC	SERC-E	6b	Existing-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6b1	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6b6	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7	TOTAL FUTURE CAPACITY ADDITIONS		1,470	3,300	4,017	4,017	5,134	5,134	5,134	6,452	6,733	7,411
2011	US	WIN	SERC	SERC-E	7a	Future-Planned		1,470	3,300	4,017	4,017	5,134	5,134	5,134	6,452	6,733	7,411

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-E	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a3	Solar Expected On-Peak		5	5	5	5	5	5	5	5	5	5
2011	US	WIN	SERC	SERC-E	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a7	Biomass Expected On-Peak		20	20	20	20	20	20	20	20	20	20
2011	US	WIN	SERC	SERC-E	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-E	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-E	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	8	Conceptual		-	14	14	14	14	14	14	14	14	14
2011	US	WIN	SERC	SERC-E	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	8a3	Solar Expected On-Peak		-	4	4	4	4	4	4	4	4	4

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual	Projected									
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-E	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	8a7	Biomass Expected On-Peak		-	10	10	10	10	10	10	10	10	10
2011	US	WIN	SERC	SERC-E	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	9	ANTICIPATED INTERNAL CAPACITY		51,996	53,826	54,543	54,543	55,660	55,660	55,660	56,978	57,259	57,937
2011	US	WIN	SERC	SERC-E	10	CAPACITY TRANSACTIONS - IMPORTS	895	930	1,003	815	715	760	760	850	850	850	850
2011	US	WIN	SERC	SERC-E	10a	Firm	731	930	1,003	815	715	760	760	850	850	850	850
2011	US	WIN	SERC	SERC-E	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	10b	Non-firm	164										
2011	US	WIN	SERC	SERC-E	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	11	CAPACITY TRANSACTIONS - EXPORTS	117	117	117	167	167	167	167	167	167	167	67
2011	US	WIN	SERC	SERC-E	11a	Firm	117	117	117	167	167	167	167	167	167	167	67
2011	US	WIN	SERC	SERC-E	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	11b	Non-firm	-										
2011	US	WIN	SERC	SERC-E	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual	Projected									
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-E	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	50,633	51,339	51,412	51,174	51,074	51,119	51,119	51,209	51,209	51,209	51,309
2011	US	WIN	SERC	SERC-E	13	ANTICIPATED CAPACITY RESOURCES		51,339	54,712	55,191	55,091	56,253	56,253	56,343	57,661	57,942	58,720
2011	US	WIN	SERC	SERC-E	14	PROSPECTIVE CAPACITY RESOURCES			54,712	55,191	55,091	56,253	56,253	56,343	57,661	57,942	58,720
2011	US	WIN	SERC	SERC-E	15	TOTAL POTENTIAL CAPACITY RESOURCES			54,726	55,205	55,105	56,267	56,267	56,357	57,675	57,956	58,734
2011	US	WIN	SERC	SERC-E	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			54,726	55,205	55,105	56,267	56,267	56,357	57,675	57,956	58,734
2011	US	WIN	SERC	SERC-E	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	SERC	SERC-E	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-E	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	SERC	SERC-E	16d	Net Conceptual Resources After Confidence Percentage Is Applied			14	14	14	14	14	14	14	14	14
2011	US	WIN	SERC	SERC-N	1	Unrestricted Non-coincident Peak Demand		45,193	45,864	46,638	47,413	48,248	48,976	49,614	50,315	51,001	51,842
2011	US	WIN	SERC	SERC-N	1a	New Conservation (Energy Efficiency)		112	151	205	247	281	317	348	383	417	445
2011	US	WIN	SERC	SERC-N	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	2	Total Internal Demand	44,854	45,081	45,713	46,433	47,166	47,967	48,659	49,266	49,932	50,584	51,397
2011	US	WIN	SERC	SERC-N	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-N	3	Net Internal Demand	43,834	43,493	43,734	44,212	44,685	45,226	45,723	46,176	46,697	47,211	47,891
2011	US	WIN	SERC	SERC-N	3a	Demand-Side Direct Control Load Management (DCLM)	3	4	6	8	10	12	13	13	13	13	13
2011	US	WIN	SERC	SERC-N	3b	Demand-Side Contractually Interruptible (Curtailable)	703	988	998	1,000	1,003	1,003	1,003	1,003	1,003	1,003	1,003
2011	US	WIN	SERC	SERC-N	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	3d	Demand-Side Load as a Capacity Resource	314	596	975	1,213	1,468	1,726	1,920	2,074	2,219	2,357	2,490
2011	US	WIN	SERC	SERC-N	4	Total Controllable Demand Response	1,020	1,588	1,979	2,221	2,481	2,741	2,936	3,090	3,235	3,373	3,506
2011	US	WIN	SERC	SERC-N	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	4d	Demand Response used for Energy, Voluntary Services - Emergency	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	5	TOTAL INTERNAL CAPACITY	51,542	71,830	72,994	72,994	72,994	72,994	72,994	72,994	72,994	74,254	74,254
2011	US	WIN	SERC	SERC-N	6a	Existing-Certain	51,542	66,732	66,732	66,732	66,732	66,732	66,732	66,732	66,732	66,732	66,732
2011	US	WIN	SERC	SERC-N	6a1	Wind Expected On-Peak		28	28	28	28	28	28	28	28	28	28
2011	US	WIN	SERC	SERC-N	6a2	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	6a3	Hydro Expected On-Peak		5,007	5,007	5,007	5,007	5,007	5,007	5,007	5,007	5,007	5,007
2011	US	WIN	SERC	SERC-N	6a4	Biomass Expected On-Peak		17	17	17	17	17	17	17	17	17	17
2011	US	WIN	SERC	SERC-N	6b	Existing-Other		3,991	3,991	3,991	3,991	3,991	3,991	3,991	3,991	3,991	3,991
2011	US	WIN	SERC	SERC-N	6b1	Wind Derate On-Peak		152	152	152	152	152	152	152	152	152	152
2011	US	WIN	SERC	SERC-N	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-N	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7	TOTAL FUTURE CAPACITY ADDITIONS		955	2,119	2,119	2,119	2,119	2,119	2,119	2,119	3,379	3,379
2011	US	WIN	SERC	SERC-N	7a	Future-Planned		955	2,119	2,119	2,119	2,119	2,119	2,119	2,119	3,379	3,379
2011	US	WIN	SERC	SERC-N	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-N	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-N	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-N	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8	Conceptual		-	-	-	-	2,072	2,072	2,952	3,832	3,832	4,712
2011	US	WIN	SERC	SERC-N	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	9	ANTICIPATED INTERNAL CAPACITY		67,687	68,851	68,851	68,851	68,851	68,851	68,851	68,851	70,111	70,111

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-N	10a	Firm	239	307	307	307	307	307	307	307	307	307	307
2011	US	WIN	SERC	SERC-N	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	10b	Non-firm	836										
2011	US	WIN	SERC	SERC-N	10c	Expected		1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333
2011	US	WIN	SERC	SERC-N	10c1	Full-Responsibility Purchases		-	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333
2011	US	WIN	SERC	SERC-N	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	11	CAPACITY TRANSACTIONS - EXPORTS	1,468	1,568	1,582	1,582	1,582	1,582	1,582	1,582	1,582	1,582	1,582
2011	US	WIN	SERC	SERC-N	11a	Firm	1,312	1,412	1,426	1,426	1,426	1,426	1,426	1,426	1,426	1,426	1,426
2011	US	WIN	SERC	SERC-N	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	217	324	324	324	324	324	324	324	324	324	324
2011	US	WIN	SERC	SERC-N	11b	Non-firm	156										
2011	US	WIN	SERC	SERC-N	11c	Expected		156	156	156	156	156	156	156	156	156	156
2011	US	WIN	SERC	SERC-N	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-N	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	50,469	65,627	65,613	65,613	65,613	65,613	65,613	65,613	65,613	65,613	65,613
2011	US	WIN	SERC	SERC-N	13	ANTICIPATED CAPACITY RESOURCES		65,627	68,909	68,909	68,909	68,909	68,909	68,909	68,909	70,169	70,169
2011	US	WIN	SERC	SERC-N	14	PROSPECTIVE CAPACITY RESOURCES			72,900	72,900	72,900	72,900	72,900	72,900	72,900	74,160	74,160
2011	US	WIN	SERC	SERC-N	15	TOTAL POTENTIAL CAPACITY RESOURCES			72,900	72,900	72,900	74,972	74,972	75,852	76,732	77,992	78,872
2011	US	WIN	SERC	SERC-N	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			72,900	72,900	72,900	74,972	74,972	75,852	76,732	77,992	78,872
2011	US	WIN	SERC	SERC-N	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual			Projected							
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-N	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	SERC	SERC-N	16d	Net Conceptual Resources After Confidence Percentage Is Applied			-	-	-	2,072	2,072	2,952	3,832	3,832	4,712
2011	US	WIN	SERC	SERC-SE	1	Unrestricted Non-coincident Peak Demand		45,620	46,534	47,197	47,814	48,485	48,978	49,665	50,338	51,193	52,029
2011	US	WIN	SERC	SERC-SE	1a	New Conservation (Energy Efficiency)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	1b	Estimated Diversity				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	2	Total Internal Demand	44,317	45,620	46,534	47,197	47,814	48,485	48,978	49,665	50,338	51,193	52,029
2011	US	WIN	SERC	SERC-SE	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	3	Net Internal Demand	42,633	43,860	44,652	45,103	45,615	46,266	46,743	47,434	48,097	48,943	49,770
2011	US	WIN	SERC	SERC-SE	3a	Demand-Side Direct Control Load Management (DCLM)	361	462	618	828	852	869	883	893	901	909	917
2011	US	WIN	SERC	SERC-SE	3b	Demand-Side Contractually Interruptible (Curtailable)	1,231	1,196	1,179	1,179	1,258	1,258	1,258	1,243	1,243	1,243	1,244
2011	US	WIN	SERC	SERC-SE	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	3d	Demand-Side Load as a Capacity Resource	92	102	85	87	89	92	94	95	97	98	98

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual	Projected									
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-SE	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	4d	Demand Response used for Energy, Voluntary Services - Emergency	75	75	75	75	75	75	75	75	75	75	75
2011	US	WIN	SERC	SERC-SE	5	TOTAL INTERNAL CAPACITY	68,467	65,894	66,785	67,370	67,370	68,566	69,666	69,666	69,666	69,666	69,666
2011	US	WIN	SERC	SERC-SE	6a	Existing-Certain	68,467	64,570	64,570	64,570	64,570	64,570	64,570	64,570	64,570	64,570	64,570
2011	US	WIN	SERC	SERC-SE	6a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6a2	Solar Expected On-Peak		4	4	4	4	4	4	4	4	4	4
2011	US	WIN	SERC	SERC-SE	6a3	Hydro Expected On-Peak		3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311
2011	US	WIN	SERC	SERC-SE	6a4	Biomass Expected On-Peak		17	17	17	17	17	17	17	17	17	17
2011	US	WIN	SERC	SERC-SE	6b	Existing-Other		300	300	300	300	300	300	300	300	300	300
2011	US	WIN	SERC	SERC-SE	6b1	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6b6	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7	TOTAL FUTURE CAPACITY ADDITIONS		1,024	1,915	2,500	2,500	3,696	4,796	4,796	4,796	4,796	4,796

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-SE	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a7	Biomass Expected On-Peak		50	50	50	50	146	146	146	146	146	146
2011	US	WIN	SERC	SERC-SE	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-SE	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-SE	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual	Projected									
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-SE	8	Conceptual		88	57	157	157	157	157	157	157	345	345
2011	US	WIN	SERC	SERC-SE	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a7	Biomass Expected On-Peak		50	107	207	207	207	207	207	207	207	207
2011	US	WIN	SERC	SERC-SE	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	9	ANTICIPATED INTERNAL CAPACITY		65,594	66,485	67,070	67,070	68,266	69,366	69,366	69,366	69,366	69,366
2011	US	WIN	SERC	SERC-SE	10	CAPACITY TRANSACTIONS - IMPORTS	834	834	850	900	900	825	825	825	825	825	446
2011	US	WIN	SERC	SERC-SE	10a	Firm	834	834	850	900	900	825	825	825	825	825	446
2011	US	WIN	SERC	SERC-SE	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	127	127	143	143	143	143	143	143	143	143	143
2011	US	WIN	SERC	SERC-SE	10b	Non-firm	-										
2011	US	WIN	SERC	SERC-SE	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	Projected 2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-SE	11a	Firm	2,356	2,785	2,886	2,686	2,668	1,440	1,551	1,666	1,685	1,692	1,699
2011	US	WIN	SERC	SERC-SE	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	11b	Non-firm	-										
2011	US	WIN	SERC	SERC-SE	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	66,944	62,619	62,534	62,784	62,803	63,956	63,845	63,730	63,710	63,703	63,317
2011	US	WIN	SERC	SERC-SE	13	ANTICIPATED CAPACITY RESOURCES		62,619	64,449	65,284	65,303	67,652	68,641	68,526	68,506	68,499	68,113
2011	US	WIN	SERC	SERC-SE	14	PROSPECTIVE CAPACITY RESOURCES			64,749	65,584	65,603	67,952	68,941	68,826	68,806	68,799	68,413
2011	US	WIN	SERC	SERC-SE	15	TOTAL POTENTIAL CAPACITY RESOURCES			64,806	65,742	65,760	68,109	69,098	68,983	68,964	69,144	68,758
2011	US	WIN	SERC	SERC-SE	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			64,806	65,742	65,760	68,109	69,098	68,983	68,964	69,144	68,758
2011	US	WIN	SERC	SERC-SE	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	SERC	SERC-SE	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-SE	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual	Projected									
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-W	1	Unrestricted Non-coincident Peak Demand		20,385	20,822	21,288	21,956	21,756	21,994	22,155	22,955	22,901	23,169
2011	US	WIN	SERC	SERC-W	1a	New Conservation (Energy Efficiency)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	1b	Estimated Diversity		746	751	897	1,551	812	668	675	1,740	854	966
2011	US	WIN	SERC	SERC-W	1c	Additions for non-member load (load served by non-registered LSE's in a region)		537	426	444	587	549	582	735	708	492	504
2011	US	WIN	SERC	SERC-W	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	2	Total Internal Demand	2,485	20,176	20,497	20,835	20,992	21,493	21,908	22,215	21,923	22,539	22,707
2011	US	WIN	SERC	SERC-W	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	3	Net Internal Demand	20,485	19,412	19,731	20,042	20,209	20,694	21,106	21,410	21,118	21,726	21,891
2011	US	WIN	SERC	SERC-W	3a	Demand-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	3b	Demand-Side Contractually Interruptible (Curtailable)	11	764	766	793	783	799	802	805	805	813	816
2011	US	WIN	SERC	SERC-W	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	3d	Demand-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	4	Total Controllable Demand Response	11	764	766	793	783	799	802	805	805	813	816
2011	US	WIN	SERC	SERC-W	4a	Demand Response used for Ancillary Services - Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual	Projected									
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-W	5	TOTAL INTERNAL CAPACITY	32,260	49,074	49,074	49,124	49,151	49,277	49,277	49,277	49,277	49,277	49,277
2011	US	WIN	SERC	SERC-W	6a	Existing-Certain	32,260	42,769	42,769	42,769	42,769	42,769	42,769	42,769	42,769	42,769	42,769
2011	US	WIN	SERC	SERC-W	6a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6a2	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6a3	Hydro Expected On-Peak		302	302	302	302	302	302	302	302	302	302
2011	US	WIN	SERC	SERC-W	6a4	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6b	Existing-Other		4,268	4,268	4,268	4,268	4,268	4,268	4,268	4,268	4,268	4,268
2011	US	WIN	SERC	SERC-W	6b1	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6b6	All Other Derates		59	59	59	59	59	59	59	59	59	59
2011	US	WIN	SERC	SERC-W	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7	TOTAL FUTURE CAPACITY ADDITIONS		1,978	1,978	2,028	2,055	2,181	2,181	2,181	2,181	2,181	2,181
2011	US	WIN	SERC	SERC-W	7a	Future-Planned		1,978	1,978	2,028	2,055	2,181	2,181	2,181	2,181	2,181	2,181
2011	US	WIN	SERC	SERC-W	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-W	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7a5	Hydro Expected On-Peak		-	-	-	27	27	27	27	27	27	27
2011	US	WIN	SERC	SERC-W	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7a7	Biomass Expected On-Peak		-	-	50	50	50	50	50	50	50	50
2011	US	WIN	SERC	SERC-W	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7a9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-W	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	7b9	Transmission-Limited Resources											
2011	US	WIN	SERC	SERC-W	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-W	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	8	Conceptual		-	10	710	1,696	1,798	1,901	3,123	3,942	4,092	4,842
2011	US	WIN	SERC	SERC-W	8a1	Wind Expected On-Peak		-	-	-	3	5	8	10	10	10	10
2011	US	WIN	SERC	SERC-W	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	119	169	219
2011	US	WIN	SERC	SERC-W	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	8a7	Biomass Expected On-Peak		-	10	110	210	310	410	510	610	710	810
2011	US	WIN	SERC	SERC-W	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	8a10	Energy-Only		-	-	100	486	588	691	793	962	1,062	1,812
2011	US	WIN	SERC	SERC-W	9	ANTICIPATED INTERNAL CAPACITY		44,747	44,747	44,797	44,824	44,950	44,950	44,950	44,950	44,950	44,950
2011	US	WIN	SERC	SERC-W	10	CAPACITY TRANSACTIONS - IMPORTS	155	180	50	50	50	50	50	50	50	50	50
2011	US	WIN	SERC	SERC-W	10a	Firm	155	180	50	50	50	50	50	50	50	50	50
2011	US	WIN	SERC	SERC-W	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	50	50	50	50	50	50	50	50	50	50	50
2011	US	WIN	SERC	SERC-W	10b	Non-firm	-										
2011	US	WIN	SERC	SERC-W	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-

Table 5B.6. SERC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Projected 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SERC	SERC-W	11	CAPACITY TRANSACTIONS - EXPORTS	2,423	2,434	2,304	1,746	1,746	1,671	1,671	1,671	1,671	1,671	1,392
2011	US	WIN	SERC	SERC-W	11a	Firm	2,409	2,434	2,304	1,746	1,746	1,671	1,671	1,671	1,671	1,671	1,392
2011	US	WIN	SERC	SERC-W	11a1	Full-Responsibility Purchases	588	588	588	588	588	588	588	588	588	588	588
2011	US	WIN	SERC	SERC-W	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	373	373	373	373	373	373	373	373	373	373	373
2011	US	WIN	SERC	SERC-W	11b	Non-firm	14										
2011	US	WIN	SERC	SERC-W	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	30,006	40,515	40,515	41,073	41,073	41,148	41,148	41,148	41,148	41,148	41,427
2011	US	WIN	SERC	SERC-W	13	ANTICIPATED CAPACITY RESOURCES		40,515	42,493	43,101	43,128	43,329	43,329	43,329	43,329	43,329	43,608
2011	US	WIN	SERC	SERC-W	14	PROSPECTIVE CAPACITY RESOURCES			46,761	47,369	47,396	47,597	47,597	47,597	47,597	47,597	47,876
2011	US	WIN	SERC	SERC-W	15	TOTAL POTENTIAL CAPACITY RESOURCES			46,771	48,079	49,092	49,395	49,498	50,720	51,539	51,689	52,718
2011	US	WIN	SERC	SERC-W	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			46,771	48,079	49,092	49,395	49,498	50,720	51,539	51,689	52,718
2011	US	WIN	SERC	SERC-W	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	SERC	SERC-W	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	SERC	SERC-W	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	SERC	SERC-W	16d	Net Conceptual Resources After Confidence Percentage Is Applied			10	710	1,695	1,798	1,900	3,123	3,942	4,092	4,842

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Form EIA-411 2011

Released: January 2013

Next Update: November 2013

Table 5B.7. SPP winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SPP	SPP	1	Unrestricted Non-coincident Peak Demand		40,828	42,377	42,993	43,347	44,348	45,182	46,129	47,188	48,182	49,146
2011	US	WIN	SPP	SPP	1a	New Conservation (Energy Efficiency)		182	235	289	325	385	439	494	546	595	641
2011	US	WIN	SPP	SPP	1b	Estimated Diversity		276	281	284	269	270	272	273	274	274	277
2011	US	WIN	SPP	SPP	1c	Additions for non-member load (load served by non-registered LSE's in a region)		14	14	14	14	14	14	14	14	14	14
2011	US	WIN	SPP	SPP	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	1e	Non-Controllable Demand-Side Demand Response		68	160	425	727	1,064	1,416	1,786	2,158	2,533	2,909
2011	US	WIN	SPP	SPP	2	Total Internal Demand	39,220	40,315	41,714	42,010	42,040	42,644	43,069	43,590	44,223	44,794	45,334
2011	US	WIN	SPP	SPP	2a	Supply-Side Direct Control Load Management (DCLM)	46	44	62	139	233	343	462	589	724	868	1,020
2011	US	WIN	SPP	SPP	2b	Supply-Side Contractually Interruptible (Curtailable)	158	147	139	139	139	139	139	139	139	139	139
2011	US	WIN	SPP	SPP	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	3	Net Internal Demand	38,622	39,602	40,983	41,345	41,225	41,812	42,205	42,726	43,360	43,930	44,470
2011	US	WIN	SPP	SPP	3a	Demand-Side Direct Control Load Management (DCLM)		116	116	116	116	116	116	116	116	116	116
2011	US	WIN	SPP	SPP	3b	Demand-Side Contractually Interruptible (Curtailable)	570	569	588	521	672	688	720	720	720	720	720
2011	US	WIN	SPP	SPP	3c	Demand-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	3d	Demand-Side Load as a Capacity Resource	28	28	28	28	28	28	28	28	28	28	28

Table 5B.7. SPP winter historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	SPP	SPP	4a	Demand Response used for Ancillary Services - Spinning Reserves	2	2	2	2	2	2	2	2	2	2	2
2011	US	WIN	SPP	SPP	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	1	1	1	1	1	1	1	1	1	1	1
2011	US	WIN	SPP	SPP	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	5	TOTAL INTERNAL CAPACITY	72,771	70,763	76,481	81,149	83,180	83,167	83,957	84,111	84,174	84,812	84,962
2011	US	WIN	SPP	SPP	6a	Existing-Certain	60,232	59,968	59,968	59,968	59,968	59,968	59,968	59,968	59,968	59,968	59,968
2011	US	WIN	SPP	SPP	6a1	Wind Expected On-Peak	669	253	253	253	253	253	253	253	253	253	253
2011	US	WIN	SPP	SPP	6a2	Solar Expected On-Peak	-	5	5	5	5	5	5	5	5	5	5
2011	US	WIN	SPP	SPP	6a3	Hydro Expected On-Peak	2,584	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346
2011	US	WIN	SPP	SPP	6a4	Biomass Expected On-Peak	14	19	19	19	19	19	19	19	19	19	19
2011	US	WIN	SPP	SPP	6b	Existing-Other	7,347	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,827
2011	US	WIN	SPP	SPP	6b1	Wind Derate On-Peak	4,529	4,731	4,731	4,731	4,731	4,731	4,731	4,731	4,731	4,731	4,731
2011	US	WIN	SPP	SPP	6b2	Solar Derate On-Peak	-	45	45	45	45	45	45	45	45	45	45
2011	US	WIN	SPP	SPP	6b3	Hydro Derate On-Peak	136	153	153	153	153	153	153	153	153	153	153
2011	US	WIN	SPP	SPP	6b4	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	6b5	Transmission-Limited Resources	-		-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	6b6	All Other Derates	(3)	459	459	459	459	459	459	459	459	459	459
2011	US	WIN	SPP	SPP	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	530	281	285	290	852	857	857	857	857	857	857
2011	US	WIN	SPP	SPP	6d	Total Supply-Side Demand Response	204	191	200	278	372	482	600	727	862	1,006	1,158
2011	US	WIN	SPP	SPP	7	TOTAL FUTURE CAPACITY ADDITIONS		81	1,399	1,776	1,612	1,421	2,148	2,232	2,234	2,737	2,777
2011	US	WIN	SPP	SPP	7a	Future-Planned		81	1,399	1,776	1,612	1,421	2,148	2,232	2,234	2,737	2,777
2011	US	WIN	SPP	SPP	7a1	Wind Expected On-Peak		11	421	848	1,005	1,025	1,025	1,025	1,025	1,025	1,025

Table 5B.7. SPP winter historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	SPP	SPP	7a2	Wind Derate On-Peak		219	4,600	8,875	10,441	10,641	10,641	10,641	10,641	10,641	10,641
2011	US	WIN	SPP	SPP	7a3	Solar Expected On-Peak		-	-	-	3	3	3	3	3	5	5
2011	US	WIN	SPP	SPP	7a4	Solar Derate On-Peak		-	-	-	23	23	23	23	23	45	45
2011	US	WIN	SPP	SPP	7a5	Hydro Expected On-Peak		(20)	7	7	7	7	7	7	7	7	7
2011	US	WIN	SPP	SPP	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7a7	Biomass Expected On-Peak		-	1	1	202	202	202	202	202	202	202
2011	US	WIN	SPP	SPP	7a8	Biomass Derate On-Peak		-	5	5	8	8	8	8	8	10	10
2011	US	WIN	SPP	SPP	7a9	Transmission-Limited Resources											
2011	US	WIN	SPP	SPP	7a10	Scheduled Outage - Maintenance		(20)	(20)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
2011	US	WIN	SPP	SPP	7a11	All Other Derates		-	10	20	62	36	99	168	230	340	450
2011	US	WIN	SPP	SPP	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b9	Transmission-Limited Resources											
2011	US	WIN	SPP	SPP	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	8	Conceptual		-	1,045	1,105	1,196	1,178	1,181	1,351	1,354	1,575	1,575
2011	US	WIN	SPP	SPP	8a1	Wind Expected On-Peak		-	1,045	1,105	1,193	1,197	1,200	1,202	1,205	1,216	1,216
2011	US	WIN	SPP	SPP	8a2	Wind Derate On-Peak		-	10,453	11,054	11,934	12,054	12,154	12,234	12,304	12,684	12,684
2011	US	WIN	SPP	SPP	8a3	Solar Expected On-Peak		-	-	-	3	3	3	3	3	3	3
2011	US	WIN	SPP	SPP	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.7. SPP winter historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	SPP	SPP	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	9	ANTICIPATED INTERNAL CAPACITY		60,241	61,568	62,023	61,952	61,871	62,716	62,928	63,064	63,711	63,903
2011	US	WIN	SPP	SPP	10	CAPACITY TRANSACTIONS - IMPORTS	1,607	1,862	1,864	2,051	1,959	1,959	2,009	2,009	2,039	2,039	2,039
2011	US	WIN	SPP	SPP	10a	Firm	1,607	1,862	1,864	2,051	1,959	1,959	2,009	2,009	2,039	2,039	2,039
2011	US	WIN	SPP	SPP	10a1	Full-Responsibility Purchases	1,342	1,550	1,552	1,739	1,647	1,647	1,697	1,697	1,727	1,727	1,727
2011	US	WIN	SPP	SPP	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	265	312	312	312	312	312	312	312	312	312	312
2011	US	WIN	SPP	SPP	10b	Non-firm											
2011	US	WIN	SPP	SPP	10c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	11	CAPACITY TRANSACTIONS - EXPORTS	2,169	2,282	2,235	2,249	1,939	1,939	2,009	1,976	1,976	1,976	1,976
2011	US	WIN	SPP	SPP	11a	Firm	2,169	2,282	2,235	2,249	1,939	1,939	2,009	1,976	1,976	1,976	1,976
2011	US	WIN	SPP	SPP	11a1	Full-Responsibility Purchases	2,123	2,234	2,187	2,201	1,891	1,891	1,961	1,926	1,926	1,926	1,926
2011	US	WIN	SPP	SPP	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	46	48	48	48	48	48	48	50	50	50	50
2011	US	WIN	SPP	SPP	11b	Non-firm											
2011	US	WIN	SPP	SPP	11c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	59,874	59,740	59,798	60,048	60,360	60,470	60,568	60,728	60,893	61,037	61,189

Table 5B.7. SPP winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	SPP	SPP	13	ANTICIPATED CAPACITY RESOURCES		59,740	61,197	61,824	61,972	61,891	62,716	62,960	63,127	63,774	63,966
2011	US	WIN	SPP	SPP	14	PROSPECTIVE CAPACITY RESOURCES			66,023	66,651	66,798	66,717	67,543	67,787	67,954	68,600	68,793
2011	US	WIN	SPP	SPP	15	TOTAL POTENTIAL CAPACITY RESOURCES			67,069	67,756	67,995	67,895	68,724	69,138	69,307	70,175	70,368
2011	US	WIN	SPP	SPP	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			67,069	67,756	67,995	67,895	68,724	69,138	69,307	70,175	70,368
2011	US	WIN	SPP	SPP	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	SPP	SPP	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	SPP	SPP	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	SPP	SPP	16d	Net Conceptual Resources After Confidence Percentage Is Applied			1,045	1,105	1,196	1,178	1,181	1,351	1,353	1,575	1,575

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Form EIA-411 2011

Released: January 2013

Next Update: November 2013

Table 5B.8. TRE winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	TRE	ERCOT	1	Unrestricted Non-coincident Peak Demand		52,909	51,974	52,429	55,470	56,663	59,644	60,119	60,378	61,245	62,272
2011	US	WIN	TRE	ERCOT	1a	New Conservation (Energy Efficiency)		119	240	366	498	635	775	917	1,060	1,206	1,355
2011	US	WIN	TRE	ERCOT	1b	Estimated Diversity				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	2	Total Internal Demand	50,100	52,790	51,734	52,063	54,972	56,028	58,869	59,202	59,318	60,039	60,917
2011	US	WIN	TRE	ERCOT	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	3	Net Internal Demand	50,100	51,319	50,263	50,533	53,378	54,363	57,204	57,459	57,575	58,210	59,031
2011	US	WIN	TRE	ERCOT	3a	Demand-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	3b	Demand-Side Contractually Interruptible (Curtailable)	-	585	585	644	708	779	779	857	857	943	1,000
2011	US	WIN	TRE	ERCOT	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	3d	Demand-Side Load as a Capacity Resource	-	886	886	886	886	886	886	886	886	886	886
2011	US	WIN	TRE	ERCOT	4	Total Controllable Demand Response	-	1,471	1,471	1,530	1,594	1,665	1,665	1,743	1,743	1,829	1,886
2011	US	WIN	TRE	ERCOT	4a	Demand Response used for Ancillary Services - Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	-

Table 5B.8. TRE winter historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	TRE	ERCOT	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6a	Existing-Certain	69,519	75,405	75,405	75,405	75,405	75,405	75,405	75,405	75,405	75,405	75,405
2011	US	WIN	TRE	ERCOT	6a1	Wind Expected On-Peak	2,084	855	855	855	855	855	855	855	855	855	855
2011	US	WIN	TRE	ERCOT	6a2	Solar Expected On-Peak	-	74	74	74	74	74	74	74	74	74	74
2011	US	WIN	TRE	ERCOT	6a3	Hydro Expected On-Peak	132	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6a4	Biomass Expected On-Peak	26	108	108	108	108	108	108	108	108	108	108
2011	US	WIN	TRE	ERCOT	6b	Existing-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6b1	Wind Derate On-Peak	7,520	8,974	8,974	8,974	8,974	8,974	8,974	8,974	8,974	8,974	8,974
2011	US	WIN	TRE	ERCOT	6b2	Solar Derate On-Peak	4	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6b3	Hydro Derate On-Peak	405	544	544	544	544	544	544	544	544	544	544
2011	US	WIN	TRE	ERCOT	6b4	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6b5	Transmission-Limited Resources	-		-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6b6	All Other Derates	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	4,945	2,752	2,752	2,752	2,752	2,752	2,752	2,752	2,752	2,752	2,752
2011	US	WIN	TRE	ERCOT	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7	TOTAL FUTURE CAPACITY ADDITIONS		211	1,229	1,290	2,787	4,947	4,947	6,187	5,327	5,327	5,327
2011	US	WIN	TRE	ERCOT	7a	Future-Planned		211	1,229	1,290	2,787	4,947	4,947	6,187	5,327	5,327	5,327
2011	US	WIN	TRE	ERCOT	7a1	Wind Expected On-Peak		46	139	200	200	200	200	200	200	200	200
2011	US	WIN	TRE	ERCOT	7a2	Wind Derate On-Peak		480	1,459	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098
2011	US	WIN	TRE	ERCOT	7a3	Solar Expected On-Peak		60	60	60	60	60	60	60	60	60	60
2011	US	WIN	TRE	ERCOT	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7a7	Biomass Expected On-Peak		105	105	105	105	105	105	105	105	105	105
2011	US	WIN	TRE	ERCOT	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5B.8. TRE winter historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	TRE	ERCOT	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7a11	All Other Derates		-	(0)	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b9	Transmission-Limited Resources											
2011	US	WIN	TRE	ERCOT	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	8	Conceptual		352	1,165	2,576	3,372	4,614	4,614	5,464	5,464	5,464	5,464
2011	US	WIN	TRE	ERCOT	8a1	Wind Expected On-Peak		127	460	1,038	1,194	1,224	1,224	1,224	1,224	1,224	1,224
2011	US	WIN	TRE	ERCOT	8a2	Wind Derate On-Peak		1,330	3,496	9,558	11,199	11,519	11,519	11,519	11,519	11,519	11,519
2011	US	WIN	TRE	ERCOT	8a3	Solar Expected On-Peak		100	260	441	481	481	481	481	481	481	481
2011	US	WIN	TRE	ERCOT	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	8a9	All Other Derates		-	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330
2011	US	WIN	TRE	ERCOT	9	ANTICIPATED INTERNAL CAPACITY		75,616	76,634	76,695	78,192	80,352	80,352	81,592	80,732	80,732	80,732
2011	US	WIN	TRE	ERCOT	10	CAPACITY TRANSACTIONS - IMPORTS	-	598	598	598	598	598	598	598	598	598	598
2011	US	WIN	TRE	ERCOT	10a	Firm		598	598	598	598	598	598	598	598	598	598
2011	US	WIN	TRE	ERCOT	10a1	Full-Responsibility Purchases		48	48	48	48	48	48	48	48	48	48
2011	US	WIN	TRE	ERCOT	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-

Table 5B.8. TRE winter historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	2012	2013	2014	2015	Projected 2016	2017	2018	2019	2020	2021
2011	US	WIN	TRE	ERCOT	10c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	11	CAPACITY TRANSACTIONS - EXPORTS	317	317	317	317	317	317	317	317	317	-	-
2011	US	WIN	TRE	ERCOT	11a	Firm	317	317	317	317	317	317	317	317	317	-	-
2011	US	WIN	TRE	ERCOT	11a1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	317	317	317	317	317	317	317	317	317	317	317
2011	US	WIN	TRE	ERCOT	11b	Non-firm											
2011	US	WIN	TRE	ERCOT	11c	Expected			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	69,202	75,686	75,686	75,686	75,686	75,686	75,686	75,686	75,686	76,003	76,003
2011	US	WIN	TRE	ERCOT	13	ANTICIPATED CAPACITY RESOURCES		75,686	76,915	76,976	78,473	80,633	80,633	81,873	81,013	81,330	81,330
2011	US	WIN	TRE	ERCOT	14	PROSPECTIVE CAPACITY RESOURCES			76,915	76,976	78,473	80,633	80,633	81,873	81,013	81,330	81,330
2011	US	WIN	TRE	ERCOT	15	TOTAL POTENTIAL CAPACITY RESOURCES			78,081	79,552	81,845	85,247	85,247	87,337	86,477	86,794	86,794
2011	US	WIN	TRE	ERCOT	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			78,081	79,552	81,845	85,247	85,247	87,337	86,477	86,794	86,794
2011	US	WIN	TRE	ERCOT	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	TRE	ERCOT	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	TRE	ERCOT	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	TRE	ERCOT	16d	Net Conceptual Resources After Confidence Percentage Is Applied			1,165	2,576	3,372	4,614	4,614	5,464	5,464	5,464	5,464

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peak period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Form EIA-411 2011

Released: January 2013

Next Update: November 2013

Table 5B.9. WECC winter historical and projected demand and capacity, data year 2011

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	WECC	WECC-US	1	Unrestricted Non-coincident Peak Demand		105,852	108,642	110,966	113,026	114,348	116,466	118,484	121,146	123,692	125,860
2011	US	WIN	WECC	WECC-US	1a	New Conservation (Energy Efficiency)		393	859	1,263	1,723	2,202	2,721	3,261	3,811	4,369	4,981
2011	US	WIN	WECC	WECC-US	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		2,238	2,264	2,291	2,319	2,346	2,375	2,404	2,433	2,464	2,494
2011	US	WIN	WECC	WECC-US	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	2	Total Internal Demand	108,459	107,697	110,047	111,994	113,622	114,492	116,120	117,627	119,768	121,787	123,373
2011	US	WIN	WECC	WECC-US	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	3	Net Internal Demand	107,568	105,833	108,029	109,938	111,530	112,361	113,949	115,427	117,505	119,462	121,040
2011	US	WIN	WECC	WECC-US	3a	Demand-Side Direct Control Load Management (DCLM)	-	79	104	119	122	122	122	122	122	122	122
2011	US	WIN	WECC	WECC-US	3b	Demand-Side Contractually Interruptible (Curtailable)	751	1,371	1,423	1,460	1,479	1,496	1,500	1,505	1,519	1,533	1,493
2011	US	WIN	WECC	WECC-US	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	3d	Demand-Side Load as a Capacity Resource	140	414	491	477	491	513	549	573	622	670	718
2011	US	WIN	WECC	WECC-US	4	Total Controllable Demand Response	891	1,864	2,018	2,056	2,092	2,131	2,171	2,200	2,263	2,325	2,333

Table 5B.9. WECC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	WECC	WECC-US	4a	Demand Response used for Ancillary Services - Spinning Reserves	265	470	470	470	470	470	470	470	470	470	470
2011	US	WIN	WECC	WECC-US	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	337	393	393	393	393	393	393	393	393	393	393
2011	US	WIN	WECC	WECC-US	4c	Demand Response used for Regulation	87	50	50	50	50	50	50	50	50	50	50
2011	US	WIN	WECC	WECC-US	4d	Demand Response used for Energy, Voluntary Services - Emergency	1,171	1,171	1,340	1,244	1,250	1,224	1,227	1,227	1,229	1,227	1,227
2011	US	WIN	WECC	WECC-US	5	TOTAL INTERNAL CAPACITY	192,516	200,395	210,709	214,867	217,616	219,999	220,721	221,087	221,097	220,485	220,450
2011	US	WIN	WECC	WECC-US	6a	Existing-Certain	150,982	148,319	147,895	147,598	149,091	148,472	149,332	151,148	149,648	148,851	148,141
2011	US	WIN	WECC	WECC-US	6a1	Wind Expected On-Peak	1,073	2,389	2,371	576	2,456	2,740	2,298	4,361	2,371	2,456	2,427
2011	US	WIN	WECC	WECC-US	6a2	Solar Expected On-Peak	124	8	8	8	8	8	8	8	8	8	8
2011	US	WIN	WECC	WECC-US	6a3	Hydro Expected On-Peak	30,369	30,124	29,659	31,080	30,607	29,679	30,900	30,672	31,099	30,254	29,478
2011	US	WIN	WECC	WECC-US	6a4	Biomass Expected On-Peak	881	905	899	887	923	909	911	925	948	946	920
2011	US	WIN	WECC	WECC-US	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6b1	Wind Derate On-Peak	13,160	11,844	11,862	13,657	11,777	11,493	11,935	9,872	11,862	11,777	11,806
2011	US	WIN	WECC	WECC-US	6b2	Solar Derate On-Peak	846	962	962	962	962	962	962	962	962	962	962
2011	US	WIN	WECC	WECC-US	6b3	Hydro Derate On-Peak	21,348	21,594	22,058	20,637	21,110	22,039	20,818	21,045	20,618	21,464	22,240
2011	US	WIN	WECC	WECC-US	6b4	Biomass Derate On-Peak	434	410	416	428	392	407	404	390	367	369	395
2011	US	WIN	WECC	WECC-US	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6b6	All Other Derates	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	5,746	9,388	9,322	9,234	9,184	9,144	9,066	9,099	9,059	9,093	8,973
2011	US	WIN	WECC	WECC-US	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7	TOTAL FUTURE CAPACITY ADDITIONS		2,087	6,229	7,763	9,214	8,712	9,288	9,247	8,353	7,128	9,622
2011	US	WIN	WECC	WECC-US	7a	Future-Planned		2,087	6,229	7,763	9,214	8,712	9,288	9,247	8,353	7,128	9,622
2011	US	WIN	WECC	WECC-US	7a1	Wind Expected On-Peak		93	133	442	1,884	1,160	1,656	2,143	1,267	625	3,171
2011	US	WIN	WECC	WECC-US	7a2	Wind Derate On-Peak		3,405	4,308	5,157	4,319	5,818	5,942	5,856	6,831	7,474	4,928
2011	US	WIN	WECC	WECC-US	7a3	Solar Expected On-Peak		37	83	108	127	133	145	148	153	155	156

Table 5B.9. WECC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	WECC	WECC-US	4a	Demand Response used for Ancillary Services - Spinning Reserves	265	470	470	470	470	470	470	470	470	470	470
2011	US	WIN	WECC	WECC-US	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	337	393	393	393	393	393	393	393	393	393	393
2011	US	WIN	WECC	WECC-US	4c	Demand Response used for Regulation	87	50	50	50	50	50	50	50	50	50	50
2011	US	WIN	WECC	WECC-US	4d	Demand Response used for Energy, Voluntary Services - Emergency	1,171	1,171	1,340	1,244	1,250	1,224	1,227	1,227	1,229	1,227	1,227
2011	US	WIN	WECC	WECC-US	5	TOTAL INTERNAL CAPACITY	192,516	200,395	210,709	214,867	217,616	219,999	220,721	221,087	221,097	220,485	220,450
2011	US	WIN	WECC	WECC-US	6a	Existing-Certain	150,982	148,319	147,895	147,598	149,091	148,472	149,332	151,148	149,648	148,851	148,141
2011	US	WIN	WECC	WECC-US	6a1	Wind Expected On-Peak	1,073	2,389	2,371	576	2,456	2,740	2,298	4,361	2,371	2,456	2,427
2011	US	WIN	WECC	WECC-US	6a2	Solar Expected On-Peak	124	8	8	8	8	8	8	8	8	8	8
2011	US	WIN	WECC	WECC-US	6a3	Hydro Expected On-Peak	30,369	30,124	29,659	31,080	30,607	29,679	30,900	30,672	31,099	30,254	29,478
2011	US	WIN	WECC	WECC-US	6a4	Biomass Expected On-Peak	881	905	899	887	923	909	911	925	948	946	920
2011	US	WIN	WECC	WECC-US	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6b1	Wind Derate On-Peak	13,160	11,844	11,862	13,657	11,777	11,493	11,935	9,872	11,862	11,777	11,806
2011	US	WIN	WECC	WECC-US	6b2	Solar Derate On-Peak	846	962	962	962	962	962	962	962	962	962	962
2011	US	WIN	WECC	WECC-US	6b3	Hydro Derate On-Peak	21,348	21,594	22,058	20,637	21,110	22,039	20,818	21,045	20,618	21,464	22,240
2011	US	WIN	WECC	WECC-US	6b4	Biomass Derate On-Peak	434	410	416	428	392	407	404	390	367	369	395
2011	US	WIN	WECC	WECC-US	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6b6	All Other Derates	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	5,746	9,388	9,322	9,234	9,184	9,144	9,066	9,099	9,059	9,093	8,973
2011	US	WIN	WECC	WECC-US	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7	TOTAL FUTURE CAPACITY ADDITIONS		2,087	6,229	7,763	9,214	8,712	9,288	9,247	8,353	7,128	9,622
2011	US	WIN	WECC	WECC-US	7a	Future-Planned		2,087	6,229	7,763	9,214	8,712	9,288	9,247	8,353	7,128	9,622
2011	US	WIN	WECC	WECC-US	7a1	Wind Expected On-Peak		93	133	442	1,884	1,160	1,656	2,143	1,267	625	3,171
2011	US	WIN	WECC	WECC-US	7a2	Wind Derate On-Peak		3,405	4,308	5,157	4,319	5,818	5,942	5,856	6,831	7,474	4,928
2011	US	WIN	WECC	WECC-US	7a3	Solar Expected On-Peak		37	83	108	127	133	145	148	153	155	156

Table 5B.9. WECC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	WECC	WECC-US	7a4	Solar Derate On-Peak		2,296	7,359	8,982	11,131	12,513	12,535	12,611	12,687	12,765	12,842
2011	US	WIN	WECC	WECC-US	7a5	Hydro Expected On-Peak		479	502	502	511	512	512	94	242	171	229
2011	US	WIN	WECC	WECC-US	7a6	Hydro Derate On-Peak		28	78	78	82	85	85	503	355	247	189
2011	US	WIN	WECC	WECC-US	7a7	Biomass Expected On-Peak		21	21	21	119	119	119	119	119	119	119
2011	US	WIN	WECC	WECC-US	7a8	Biomass Derate On-Peak		64	219	371	355	355	355	355	355	355	355
2011	US	WIN	WECC	WECC-US	7a9	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7a10	Scheduled Outage - Maintenance		22,644	21,885	22,347	22,215	21,814	21,219	22,632	21,309	21,447	21,178
2011	US	WIN	WECC	WECC-US	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b9	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	8	Conceptual		239	478	1,006	968	1,555	1,894	2,414	3,448	3,979	3,072
2011	US	WIN	WECC	WECC-US	8a1	Wind Expected On-Peak		165	402	483	412	515	772	831	1,478	1,488	675
2011	US	WIN	WECC	WECC-US	8a2	Wind Derate On-Peak		151	500	577	1,083	1,000	763	852	337	347	1,235
2011	US	WIN	WECC	WECC-US	8a3	Solar Expected On-Peak		-	1	2	2	3	3	3	4	4	4

Table 5B.9. WECC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	WIN	WECC	WECC-US	8a4	Solar Derate On-Peak		0	251	564	564	733	758	833	833	833	833
2011	US	WIN	WECC	WECC-US	8a5	Hydro Expected On-Peak		-	-	-	33	34	34	229	229	226	131
2011	US	WIN	WECC	WECC-US	8a6	Hydro Derate On-Peak		1	1	1	30	31	31	31	31	34	129
2011	US	WIN	WECC	WECC-US	8a7	Biomass Expected On-Peak		0	1	1	1	2	1	3	3	3	4
2011	US	WIN	WECC	WECC-US	8a8	Biomass Derate On-Peak		9	28	45	60	73	85	93	103	113	123
2011	US	WIN	WECC	WECC-US	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	9	ANTICIPATED INTERNAL CAPACITY		150,406	154,125	155,361	158,305	157,183	158,620	160,394	158,001	155,980	157,763
2011	US	WIN	WECC	WECC-US	10	CAPACITY TRANSACTIONS - IMPORTS	-	923	1,011	1,106	972	823	1,057	1,077	953	953	953
2011	US	WIN	WECC	WECC-US	10a	Firm	-	923	1,011	1,106	972	823	1,057	1,077	953	953	953
2011	US	WIN	WECC	WECC-US	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	10b	Non-firm	-										
2011	US	WIN	WECC	WECC-US	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-

Table 5B.9. WECC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Actual 2015	Projected 2016	Projected 2017	Projected 2018	Projected 2019	Projected 2020	Projected 2021
2011	US	WIN	WECC	WECC-US	11	CAPACITY TRANSACTIONS - EXPORTS	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11a	Firm	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11b	Non-firm	-										
2011	US	WIN	WECC	WECC-US	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	150,982	149,242	148,906	148,704	150,063	149,295	150,389	152,225	150,601	149,804	149,094
2011	US	WIN	WECC	WECC-US	13	ANTICIPATED CAPACITY RESOURCES		149,242	155,136	156,467	159,277	158,006	159,677	161,471	158,954	156,933	158,716
2011	US	WIN	WECC	WECC-US	14	PROSPECTIVE CAPACITY RESOURCES			155,136	156,467	159,277	158,006	159,677	161,471	158,954	156,933	158,716
2011	US	WIN	WECC	WECC-US	15	TOTAL POTENTIAL CAPACITY RESOURCES			155,614	157,473	160,244	159,562	161,571	163,885	162,402	160,912	161,788
2011	US	WIN	WECC	WECC-US	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			155,614	157,473	160,244	159,562	161,571	163,885	162,402	160,912	161,787
2011	US	WIN	WECC	WECC-US	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	WECC	WECC-US	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	WECC	WECC-US	16d	Net Conceptual Resources After Confidence Percentage Is Applied			478	1,006	968	1,555	1,894	2,414	3,448	3,979	3,072

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

• Projected data are updated annually.

• Peak load represents an hour of a day during the associated peak period.

• The Summer peak period begins on June1 and extends through September 30. • The Winter peka period begins October 1 and extends through May 31.

• Historically the MRO, RFC, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series for these regions have not been adjusted. Instead, the Balance of Eastern Region category was introduced to to provide a consistent trend of the Eastern interconnection.

• ECAR, MAAC, and MAIN dissolved at the end-of-2005. Many of the former utility members joined RFC. ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006. RFC submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN.

• E - Estimate; NA - Not Available

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

Table 5B.9. WECC winter historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Actual 2015	Projected 2016	Projected 2017	Projected 2018	Projected 2019	Projected 2020	Projected 2021
2011	US	WIN	WECC	WECC-US	11	CAPACITY TRANSACTIONS - EXPORTS	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11a	Firm	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11b	Non-firm	-										
2011	US	WIN	WECC	WECC-US	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	150,982	149,242	148,906	148,704	150,063	149,295	150,389	152,225	150,601	149,804	149,094
2011	US	WIN	WECC	WECC-US	13	ANTICIPATED CAPACITY RESOURCES		149,242	155,136	156,467	159,277	158,006	159,677	161,471	158,954	156,933	158,716
2011	US	WIN	WECC	WECC-US	14	PROSPECTIVE CAPACITY RESOURCES			155,136	156,467	159,277	158,006	159,677	161,471	158,954	156,933	158,716
2011	US	WIN	WECC	WECC-US	15	TOTAL POTENTIAL CAPACITY RESOURCES			155,614	157,473	160,244	159,562	161,571	163,885	162,402	160,912	161,788
2011	US	WIN	WECC	WECC-US	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			155,614	157,473	160,244	159,562	161,571	163,885	162,402	160,912	161,787
2011	US	WIN	WECC	WECC-US	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	WIN	WECC	WECC-US	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	WIN	WECC	WECC-US	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	WIN	WECC	WECC-US	16d	Net Conceptual Resources After Confidence Percentage Is Applied			478	1,006	968	1,555	1,894	2,414	3,448	3,979	3,072

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

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• E - Estimate; NA - Not Available

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