

Table 5A.1. FRCC summer historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	FRCC	FRCC	1	Unrestricted Non-coincident Peak Demand		45,761	46,573	47,318	48,375	49,363	50,164	50,709	51,567	52,526	53,376
2011	US	SUM	FRCC	FRCC	1a	New Conservation (Energy Efficiency)		148	303	461	617	769	920	1,066	1,211	1,335	1,443
2011	US	SUM	FRCC	FRCC	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	1d	(Normally served by behind the		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	2	Total Internal Demand	44,968	45,613	46,270	46,857	47,758	48,594	49,244	49,643	50,356	51,191	51,933
2011	US	SUM	FRCC	FRCC	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	3	Net Internal Demand	44,798	42,430	43,041	43,618	44,459	45,242	45,802	46,152	46,803	47,581	48,273
2011	US	SUM	FRCC	FRCC	3a	Demand-Side Direct Control Load Management (DCLM)	100	2,563	2,616	2,669	2,720	2,771	2,853	2,898	2,944	2,986	3,028
2011	US	SUM	FRCC	FRCC	3b	Demand-Side Contractually Interruptible (Curtailable)	70	620	613	570	579	581	589	593	609	624	632
2011	US	SUM	FRCC	FRCC	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	3d	Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	4	Total Controllable Demand Response	170	3,183	3,229	3,239	3,299	3,352	3,442	3,491	3,553	3,610	3,660

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	FRCC	FRCC	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	4d	Demand Response used for Energy, Voluntary Services - Emergency	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	5	TOTAL INTERNAL CAPACITY	52,444	55,874	57,736	59,298	60,336	61,139	61,755	61,774	63,009	63,044	65,632	
2011	US	SUM	FRCC	FRCC	6a	Existing-Certain	52,444	51,525	51,525	51,525	51,525	51,525	51,525	51,525	51,525	51,525	51,525	
2011	US	SUM	FRCC	FRCC	6a1	Wind Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	6a2	Solar Expected On-Peak	4	6	6	6	6	6	6	6	6	6	6	
2011	US	SUM	FRCC	FRCC	6a3	Hydro Expected On-Peak	44	44	44	44	44	44	44	44	44	44	44	
2011	US	SUM	FRCC	FRCC	6a4	Biomass Expected On-Peak	362	334	334	334	334	334	334	334	334	334	334	
2011	US	SUM	FRCC	FRCC	6b	Existing-Other	3,023	2,202	2,202	2,202	2,202	2,202	2,202	2,202	2,202	2,202	2,202	
2011	US	SUM	FRCC	FRCC	6b1	Wind Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	6b2	Solar Derate On-Peak	43	44	44	44	44	44	44	44	44	44	44	
2011	US	SUM	FRCC	FRCC	6b3	Hydro Derate On-Peak	11	11	11	11	11	11	11	11	11	11	11	
2011	US	SUM	FRCC	FRCC	6b4	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	6b6	All Other Derates	-	802	802	802	802	802	802	802	802	802	802	
2011	US	SUM	FRCC	FRCC	6b7	Energy-Only (Existing-Other)	177	183	183	183	183	183	183	183	183	183	183	
2011	US	SUM	FRCC	FRCC	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	7	TOTAL FUTURE CAPACITY ADDITIONS		1,095	2,941	4,483	5,495	6,267	6,853	6,840	8,043	8,044	10,596	
2011	US	SUM	FRCC	FRCC	7a	Future-Planned		645	1,234	1,755	3,593	4,342	4,501	4,473	5,399	5,399	7,492	

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	FRCC	FRCC	11b	Non-firm	-										
2011	US	SUM	FRCC	FRCC	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	54,510	53,588	53,588	53,588	53,588	52,248	52,348	52,448	52,448	52,448	52,448
2011	US	SUM	FRCC	FRCC	13	ANTICIPATED CAPACITY RESOURCES		54,233	54,823	55,343	57,181	56,591	56,849	56,921	57,848	57,847	59,941
2011	US	SUM	FRCC	FRCC	14	PROSPECTIVE CAPACITY RESOURCES		56,886	58,732	60,273	61,286	60,718	61,404	61,491	62,693	62,695	65,247
2011	US	SUM	FRCC	FRCC	15	TOTAL POTENTIAL CAPACITY RESOURCES			58,732	60,273	61,286	60,718	61,404	61,491	62,693	62,695	65,247
2011	US	SUM	FRCC	FRCC	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			60,439	63,001	63,188	62,643	63,756	63,858	65,337	65,339	68,351
2011	US	SUM	FRCC	FRCC	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	FRCC	FRCC	16b	Net Future-Other Resources After Confidence Percentage Is Applied			1,707	2,728	1,902	1,925	2,352	2,367	2,643	2,645	3,104
2011	US	SUM	FRCC	FRCC	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	SUM	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 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 5A.2. NPCC summer historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	NPCC	New England	1	Unrestricted Non-coincident Peak Demand		27,440	27,765	28,275	28,840	29,400	29,895	30,275	30,605	30,930	31,255	
2011	US	SUM	NPCC	New England	1a	New Conservation (Energy Efficiency)		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	2	Total Internal Demand	29,524	27,440	27,765	28,275	28,840	29,400	29,895	30,275	30,605	30,930	31,255	
2011	US	SUM	NPCC	New England	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	2d	Supply-Side Load as a Capacity Resource	710	1,128	1,681	1,999	1,919	1,919	1,919	1,919	1,919	1,919	1,919	
2011	US	SUM	NPCC	New England	3	Net Internal Demand	28,447	26,462	26,629	26,877	27,193	27,520	27,797	27,973	28,111	28,257	28,414	
2011	US	SUM	NPCC	New England	3a	Demand-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	3b	Demand-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New England	3d	Demand-Side Load as a Capacity Resource	1,077	978	1,136	1,398	1,647	1,880	2,098	2,302	2,494	2,673	2,841	

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megawatts

Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	NPCC	England	7a	Future-Planned	-	(32)	(560)	(560)	(560)	(560)	(560)	(560)	(560)	(560)		
2011	US	SUM	NPCC	England	7a1	Wind Expected On-Peak	-	42	42	42	42	42	42	42	42	42		
2011	US	SUM	NPCC	England	7a2	Wind Derate On-Peak	-	186	186	186	186	186	186	186	186	186		
2011	US	SUM	NPCC	England	7a3	Solar Expected On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7a4	Solar Derate On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7a5	Hydro Expected On-Peak	-	8	8	8	8	8	8	8	8	8		
2011	US	SUM	NPCC	England	7a6	Hydro Derate On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7a7	Biomass Expected On-Peak	-	53	112	112	112	112	112	112	112	112		
2011	US	SUM	NPCC	England	7a8	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7a9	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7a10	Scheduled Outage - Maintenance	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7a11	All Other Derates	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7a12	Energy-Only	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b	Future-Other	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b1	Wind Expected On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b2	Wind Derate On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b3	Solar Expected On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b4	Solar Derate On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b5	Hydro Expected On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b6	Hydro Derate On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b7	Biomass Expected On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b8	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b9	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b10	Scheduled Outage - Maintenance	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b11	All Other Derates	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	7b12	Energy-Only	-	-	-	-	-	-	-	-	-	-		
2011	US	SUM	NPCC	England	8	Conceptual		29	324	1,689	2,568	5,789	6,037	6,037	6,037	6,037		
2011	US	SUM	NPCC	England	8a1	Wind Expected On-Peak	-	120	1,315	1,684		1,742	1,991	1,991	1,991	1,991		
2011	US	SUM	NPCC	England	8a2	Wind Derate On-Peak	-	-	-	-		-	-	-	-	-		

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

megawatts

Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	England	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New England	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New England	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	30,481	33,773	35,296	35,719	35,556	33,908	33,883	33,883	33,883	33,883	33,877
2011	US	SUM	NPCC	New England	13	ANTICIPATED CAPACITY RESOURCES		33,773	35,265	35,160	34,997	33,349	33,324	33,324	33,324	33,324	33,318
2011	US	SUM	NPCC	New England	14	PROSPECTIVE CAPACITY RESOURCES			35,265	35,160	34,997	33,349	33,324	33,324	33,324	33,324	33,318
2011	US	SUM	NPCC	New England	15	TOTAL POTENTIAL CAPACITY RESOURCES			35,589	36,849	37,564	39,137	39,361	39,361	39,361	39,361	39,355
2011	US	SUM	NPCC	New England	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			35,329	35,498	35,510	34,506	34,531	34,531	34,531	34,531	34,525
2011	US	SUM	NPCC	New England	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	NPCC	New England	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New England	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0
2011	US	SUM	NPCC	New England	16d	Net Conceptual Resources After Confidence Percentage Is Applied			65	338	514	1,158	1,207	1,207	1,207	1,207	1,207
2011	US	SUM	NPCC	New York	1	Unrestricted Non-coincident Peak Demand		33,638	34,320	34,846	35,361	35,791	36,224	36,729	37,187	37,627	38,130
2011	US	SUM	NPCC	New York	1a	New Conservation (Energy Efficiency)		343	624	932	1,210	1,446	1,674	1,861	1,983	2,101	2,217
2011	US	SUM	NPCC	New York	1b	Estimated Diversity				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	2	Total Internal Demand	33,866	33,295	33,696	33,914	34,151	34,345	34,550	34,868	35,204	35,526	35,913
2011	US	SUM	NPCC	New York	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	New York	11c	Expected			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	42,873	41,988	42,307	42,257	42,257	42,257	42,257	42,257	42,257	42,257	42,257
2011	US	SUM	NPCC	New York	13	ANTICIPATED CAPACITY RESOURCES		41,988	42,127	42,077	42,077	42,077	42,077	42,077	42,077	42,077	42,077
2011	US	SUM	NPCC	New York	14	PROSPECTIVE CAPACITY RESOURCES			42,127	42,077	42,077	42,077	42,077	42,077	42,077	42,077	42,077
2011	US	SUM	NPCC	New York	15	TOTAL POTENTIAL CAPACITY RESOURCES			42,203	42,251	42,516	44,238	44,488	44,488	44,614	44,614	44,614
2011	US	SUM	NPCC	New York	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			42,150	42,129	42,209	42,725	42,800	42,800	42,838	42,838	42,838
2011	US	SUM	NPCC	New York	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	NPCC	New York	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0
2011	US	SUM	NPCC	New York	16d	Net Conceptual Resources After Confidence Percentage Is Applied			23	52	132	648	723	723	761	761	761

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

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	MAPP	MAPP	10c	Expected			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	11	CAPACITY TRANSACTIONS - EXPORTS	1,564	1,567	1,517	1,522	1,493	1,424	1,424	1,424	1,424	1,424	1,424	
2011	US	SUM	MAPP	MAPP	11a	Firm	1,564	1,567	1,517	1,522	1,493	1,424	1,424	1,424	1,424	1,424	1,424	
2011	US	SUM	MAPP	MAPP	11a1	Full-Responsibility Purchases	1,384	1,387	1,392	1,397	1,368	1,299	1,299	1,299	1,299	1,299	1,299	
2011	US	SUM	MAPP	MAPP	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	11b	Non-firm												
2011	US	SUM	MAPP	MAPP	11c	Expected			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	5,328	5,691	5,830	5,832	5,866	5,929	5,931	5,933	5,935	5,935	5,935	
2011	US	SUM	MAPP	MAPP	13	ANTICIPATED CAPACITY RESOURCES		5,691	6,344	6,370	6,430	6,512	6,514	6,516	6,518	6,518	6,518	
2011	US	SUM	MAPP	MAPP	14	PROSPECTIVE CAPACITY RESOURCES			6,344	6,370	6,430	6,512	6,514	6,516	6,518	6,518	6,518	
2011	US	SUM	MAPP	MAPP	15	TOTAL POTENTIAL CAPACITY RESOURCES			6,344	6,370	6,430	6,512	6,514	6,516	6,518	6,518	6,518	
2011	US	SUM	MAPP	MAPP	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			6,344	6,370	6,430	6,512	6,514	6,516	6,518	6,518	6,518	
2011	US	SUM	MAPP	MAPP	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1	
2011	US	SUM	MAPP	MAPP	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-	
2011	US	SUM	MAPP	MAPP	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1	
2011	US	SUM	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 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 5A.4. MISO summer historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	MISO	MISO	1	Unrestricted Non-coincident Peak Demand		99,306	99,306	101,726	103,057	104,484	105,962	107,413	108,952	110,514	112,155
2011	US	SUM	MISO	MISO	1a	New Conservation (Energy Efficiency)		131	131	382	720	1,120	1,551	2,007	2,473	2,947	3,432
2011	US	SUM	MISO	MISO	1b	Estimated Diversity		4,556	4,556	4,646	4,684	4,727	4,771	4,814	4,860	4,907	4,956
2011	US	SUM	MISO	MISO	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	1e	Non-Controllable Demand-Side Demand Response			339	339	569	723	826	910	981	1,054	1,130
2011	US	SUM	MISO	MISO	2	Total Internal Demand	102,819	94,279	94,279	96,129	96,929	97,811	98,729	99,611	100,565	101,530	102,559
2011	US	SUM	MISO	MISO	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	2d	Supply-Side Load as a Capacity Resource	3,523	3,271	3,271	3,271	3,271	3,271	3,271	3,271	3,271	3,271	3,271
2011	US	SUM	MISO	MISO	3	Net Internal Demand	98,290	89,673	89,318	90,707	91,096	91,556	92,022	92,447	92,932	93,419	93,957
2011	US	SUM	MISO	MISO	3a	Demand-Side Direct Control Load Management (DCLM)	1,195	1,001	1,078	1,178	1,268	1,359	1,458	1,557	1,659	1,763	1,869
2011	US	SUM	MISO	MISO	3b	Demand-Side Contractually Interruptible (Curtailable)	3,334	3,605	3,883	4,244	4,565	4,896	5,249	5,607	5,974	6,348	6,732
2011	US	SUM	MISO	MISO	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	3d	Demand-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	4	Total Controllable Demand Response	8,052	7,877	8,233	8,693	9,104	9,526	9,978	10,435	10,904	11,382	11,872

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

megawatts

Data Year Country Season Area Subarea Line# DESCRIPTION						Actual					Projected					
						2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	MISO	MISO	11c1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	11c2	Capacity/Entitlement Located Outside the	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	115,140	107,982	107,982	107,982	107,982	107,982	107,982	107,982	107,982	107,982
2011	US	SUM	MISO	MISO	13	ANTICIPATED CAPACITY RESOURCES		107,982	108,007	108,139	108,443	108,564	110,127	110,152	110,152	110,152
2011	US	SUM	MISO	MISO	14	PROSPECTIVE CAPACITY RESOURCES			119,723	119,855	120,916	121,037	122,600	122,624	122,624	122,624
2011	US	SUM	MISO	MISO	15	CAPACITY RESOURCES			119,723	119,855	120,916	121,037	122,600	122,624	122,624	122,624
2011	US	SUM	MISO	MISO	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			119,903	120,036	121,853	121,974	123,537	123,561	123,561	123,561
2011	US	SUM	MISO	MISO	16a	Confidence of Future-Other Resources After Confidence			1	1	1	1	1	1	1	1
2011	US	SUM	MISO	MISO	16b	Percentage Is Applied			180	180	937	937	937	937	937	937
2011	US	SUM	MISO	MISO	16c	Confidence of Conceptual After Confidence			1	1	1	1	1	1	1	1
2011	US	SUM	MISO	MISO	16d	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."

megawatts

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	PJM	PJM	4a	Demand Response used for Ancillary Services - Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	5	TOTAL INTERNAL CAPACITY	184,986	190,249	190,471	191,818	186,469	187,233	187,289	187,389	189,040	189,121	189,201
2011	US	SUM	PJM	PJM	6a	Existing-Certain	180,406	185,424	185,424	185,424	185,424	185,424	185,424	185,424	185,424	185,424	185,424
2011	US	SUM	PJM	PJM	6a1	Wind Expected On-Peak	670	711	711	711	711	711	711	711	711	711	711
2011	US	SUM	PJM	PJM	6a2	Solar Expected On-Peak	12	42	42	42	42	42	42	42	42	42	42
2011	US	SUM	PJM	PJM	6a3	Hydro Expected On-Peak	2,622	2,677	2,677	2,677	2,677	2,677	2,677	2,677	2,677	2,677	2,677
2011	US	SUM	PJM	PJM	6a4	Biomass Expected On-Peak	879	943	943	943	943	943	943	943	943	943	943
2011	US	SUM	PJM	PJM	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	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	SUM	PJM	PJM	6b2	Solar Derate On-Peak	20	64	64	64	64	64	64	64	64	64	64
2011	US	SUM	PJM	PJM	6b3	Hydro Derate On-Peak	9	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	6b4	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	6b6	All Other Derates	278	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
2011	US	SUM	PJM	PJM	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	7	TOTAL FUTURE CAPACITY ADDITIONS		-	(758)	238	(5,167)	(4,819)	(4,819)	(4,812)	(3,242)	(3,242)	(3,242)
2011	US	SUM	PJM	PJM	7a	Future-Planned		-	(758)	238	(5,167)	(4,819)	(4,819)	(4,812)	(3,242)	(3,242)	(3,242)
2011	US	SUM	PJM	PJM	7a1	Wind Expected On-Peak		-	203	276	276	366	366	366	366	366	366
2011	US	SUM	PJM	PJM	7a2	Wind Derate On-Peak		-	898	1,192	1,192	1,552	1,552	1,552	1,552	1,552	1,552

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	PJM	PJM	7a3	Solar Expected On-Peak		-	17	21	21	21	21	28	28	28	28	
2011	US	SUM	PJM	PJM	7a4	Solar Derate On-Peak		-	28	28	28	28	28	40	40	40	40	
2011	US	SUM	PJM	PJM	7a5	Hydro Expected On-Peak		-	-	112	112	112	112	112	112	112	112	
2011	US	SUM	PJM	PJM	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7a7	Biomass Expected On-Peak		-	51	138	147	147	147	147	147	147	147	
2011	US	SUM	PJM	PJM	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7a9	Transmission-Limited Resources												
2011	US	SUM	PJM	PJM	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7a11	All Other Derates		-	56	112	168	224	279	360	441	521	602	
2011	US	SUM	PJM	PJM	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b	Future-Other		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b9	Transmission-Limited Resources												
2011	US	SUM	PJM	PJM	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	8	Conceptual		-	4,853	8,667	28,417	37,729	46,278	50,570	50,570	50,570	50,570	
2011	US	SUM	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	SUM	PJM	PJM	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	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	SUM	PJM	PJM	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	8a5	Hydro Expected On-Peak		-	42	109	200	200	200	200	200	200	200	
2011	US	SUM	PJM	PJM	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	PJM	PJM	8a7	Biomass Expected On-Peak		-	123	239	347	347	347	347	347	347	347	
2011	US	SUM	PJM	PJM	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-	

megawatts

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	PJM	PJM	11c	Expected			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	181,666	185,641	185,641	185,641	185,641	185,641	185,641	185,641	185,641	185,641	185,641
2011	US	SUM	PJM	PJM	13	ANTICIPATED CAPACITY RESOURCES		185,641	184,882	185,879	180,473	180,821	180,821	180,829	182,399	182,399	182,399
2011	US	SUM	PJM	PJM	14	PROSPECTIVE CAPACITY RESOURCES			184,882	185,879	180,473	180,821	180,821	180,829	182,399	182,399	182,399
2011	US	SUM	PJM	PJM	15	TOTAL POTENTIAL CAPACITY RESOURCES			189,735	194,546	208,891	218,551	227,099	231,399	232,969	232,969	232,969
2011	US	SUM	PJM	PJM	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			186,581	188,912	188,445	190,190	191,470	192,121	193,691	193,691	193,691
2011	US	SUM	PJM	PJM	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	PJM	PJM	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0
2011	US	SUM	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 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."

Table 5A.6. SERC summer historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	SERC	SERC-E	1	Unrestricted Non-coincident Peak Demand		43,168	43,749	44,547	45,165	45,842	46,471	47,024	47,712	48,430	49,227	
2011	US	SUM	SERC	SERC-E	1a	New Conservation (Energy Efficiency)		226	299	375	549	693	823	959	1,102	1,244	1,382	
2011	US	SUM	SERC	SERC-E	1b	Estimated Diversity				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	1c	Additions for non-member load (load served by non-registered LSE's in a region)	-	237	238	240	242	243	247	250	254	257	261	
2011	US	SUM	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	SUM	SERC	SERC-E	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	2	Total Internal Demand	43,253	43,255	43,733	44,457	44,903	45,436	45,939	46,358	46,908	47,487	48,149	
2011	US	SUM	SERC	SERC-E	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	3	Net Internal Demand	42,360	41,372	41,805	42,412	42,750	43,235	43,707	44,103	44,636	45,200	45,848	
2011	US	SUM	SERC	SERC-E	3a	Demand-Side Direct Control Load Management (DCLM)	347	761	858	969	1,064	1,105	1,133	1,154	1,169	1,182	1,193	
2011	US	SUM	SERC	SERC-E	3b	Demand-Side Contractually Interruptible (Curtailable)	451	1,028	967	968	981	988	991	993	995	997	1,000	
2011	US	SUM	SERC	SERC-E	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	6	6	14	19	19	19	19	19	19	19	19	
2011	US	SUM	SERC	SERC-E	3d	Demand-Side Load as a Capacity Resource	89	89	89	89	89	89	89	89	89	89	89	
2011	US	SUM	SERC	SERC-E	4	Total Controllable Demand Response	893	1,884	1,928	2,045	2,153	2,201	2,232	2,255	2,272	2,287	2,301	

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

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Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	SERC	SERC-E	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	8a7	Biomass Expected On-Peak		-	10	10	10	10	10	10	10	10	10	
2011	US	SUM	SERC	SERC-E	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	9	ANTICIPATED INTERNAL CAPACITY		48,243	51,385	52,010	52,010	53,127	53,127	53,127	54,420	54,696	55,324	
2011	US	SUM	SERC	SERC-E	10	CAPACITY TRANSACTIONS - IMPORTS	938	1,030	1,003	815	815	715	760	760	850	850	850	
2011	US	SUM	SERC	SERC-E	10a	Firm	938	1,030	1,003	815	815	715	760	760	850	850	850	
2011	US	SUM	SERC	SERC-E	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	10b	Non-firm	-											
2011	US	SUM	SERC	SERC-E	10c	Expected		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	11	CAPACITY TRANSACTIONS - EXPORTS	17	117	117	167	167	167	167	167	167	167	167	
2011	US	SUM	SERC	SERC-E	11a	Firm	17	117	117	167	167	167	167	167	167	167	167	
2011	US	SUM	SERC	SERC-E	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	11b	Non-firm	-											
2011	US	SUM	SERC	SERC-E	11c	Expected		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-E	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	50,585	49,131	49,104	48,866	48,866	48,766	48,811	48,811	48,901	48,901	48,901	

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-E	13	ANTICIPATED CAPACITY RESOURCES		49,131	52,271	52,658	52,658	53,675	53,720	53,720	55,103	55,379	56,007
2011	US	SUM	SERC	SERC-E	14	PROSPECTIVE CAPACITY RESOURCES			52,271	52,658	52,658	53,675	53,720	53,720	55,103	55,379	56,007
2011	US	SUM	SERC	SERC-E	15	TOTAL POTENTIAL CAPACITY RESOURCES			52,285	52,672	52,672	53,689	53,734	53,734	55,117	55,393	56,021
2011	US	SUM	SERC	SERC-E	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			52,285	52,672	52,672	53,689	53,734	53,734	55,117	55,393	56,021
2011	US	SUM	SERC	SERC-E	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	SERC	SERC-E	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	SUM	SERC	SERC-E	16d	Net Conceptual Resources After Confidence Percentage Is Applied			14	14	14	14	14	14	14	14	14
2011	US	SUM	SERC	SERC-N	1	Unrestricted Non-coincident Peak Demand		45,207	45,899	46,741	47,546	48,259	48,986	49,657	50,501	51,312	51,827
2011	US	SUM	SERC	SERC-N	1a	New Conservation (Energy Efficiency)		105	149	199	243	285	326	369	411	444	482
2011	US	SUM	SERC	SERC-N	1b	Estimated Diversity				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	2	Total Internal Demand	45,579	45,102	45,750	46,542	47,303	47,974	48,660	49,288	50,090	50,868	51,345
2011	US	SUM	SERC	SERC-N	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	2c	Supply-Side Critical Peak Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	3	Net Internal Demand	45,440	43,677	43,808	44,387	44,952	45,537	45,987	46,504	47,044	47,653	48,167

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Data							Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION												
2011	US	SUM	SERC	SERC-N	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	7b9	Transmission-Limited Resources												
2011	US	SUM	SERC	SERC-N	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	7b11	All Other Derates		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	7b12	Energy-Only		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8	Conceptual		-	-	-	-	1,645	1,830	2,610	3,390	4,170		
2011	US	SUM	SERC	SERC-N	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a9	All Other Derates		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	8a10	Energy-Only		-	-	-	-	-	-	-	-	-		
2011	US	SUM	SERC	SERC-N	9	ANTICIPATED INTERNAL CAPACITY		53,962	53,962	55,084	55,084	55,084	55,084	55,084	55,084	56,344		
2011	US	SUM	SERC	SERC-N	10	CAPACITY TRANSACTIONS - IMPORTS		415	1,275	1,640	1,640	1,640	1,640	1,640	1,640	1,640		
2011	US	SUM	SERC	SERC-N	10a	Firm		50	263	307	307	307	307	307	307	307		

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-SE	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a7	Biomass Expected On-Peak		-	106	206	206	206	206	206	206	206	206
2011	US	SUM	SERC	SERC-SE	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	9	ANTICIPATED INTERNAL CAPACITY		63,278	64,119	64,704	64,704	65,900	67,000	67,000	67,000	67,000	67,000
2011	US	SUM	SERC	SERC-SE	10	CAPACITY TRANSACTIONS - IMPORTS	732	1,150	850	900	900	825	825	825	825	825	546
2011	US	SUM	SERC	SERC-SE	10a	Firm	732	1,150	850	900	900	825	825	825	825	825	546
2011	US	SUM	SERC	SERC-SE	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	125	143	143	143	143	143	143	143	143	143	143
2011	US	SUM	SERC	SERC-SE	10b	Non-firm	-										
2011	US	SUM	SERC	SERC-SE	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	11	CAPACITY TRANSACTIONS - EXPORTS	2,048	2,660	2,862	2,703	2,690	1,399	1,547	1,555	1,671	1,690	1,697
2011	US	SUM	SERC	SERC-SE	11a	Firm	2,048	2,660	2,862	2,703	2,690	1,399	1,547	1,555	1,671	1,690	1,697

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-SE	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
						Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	11a2	Non-firm	-										
2011	US	SUM	SERC	SERC-SE	11b	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	11c	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
						Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	11c2	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	67,846	60,802	60,300	60,509	60,521	61,738	61,590	61,581	61,466	61,447	61,160
2011	US	SUM	SERC	SERC-SE	12	ANTICIPATED CAPACITY RESOURCES		60,802	62,107	62,901	62,913	65,326	66,278	66,269	66,154	66,135	65,848
2011	US	SUM	SERC	SERC-SE	13	PROSPECTIVE CAPACITY RESOURCES			62,407	63,201	63,213	65,626	66,578	66,569	66,454	66,435	66,148
2011	US	SUM	SERC	SERC-SE	14	TOTAL POTENTIAL CAPACITY RESOURCES			62,549	63,443	63,456	65,868	66,820	66,812	66,696	66,865	66,579
2011	US	SUM	SERC	SERC-SE	15	ADJUSTED POTENTIAL CAPACITY RESOURCES			62,549	63,443	63,456	65,868	66,820	66,812	66,696	66,865	66,579
2011	US	SUM	SERC	SERC-SE	16	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
						Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	16b	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
						Net Conceptual Resources After Confidence Percentage Is Applied			142	242	242	242	242	242	242	430	430
2011	US	SUM	SERC	SERC-SE	16d	Unrestricted Non-coincident Peak Demand		25,168	25,741	25,969	26,356	26,669	26,974	27,264	27,619	27,897	28,185

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	SERC	SERC-W	1a	New Conservation (Energy Efficiency)		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	1b	Estimated Diversity	-	453	455	456	473	479	476	470	473	470	489	
2011	US	SUM	SERC	SERC-W	1c	Additions for non-member load (load served by non-registered LSE's in a region)	-	688	635	653	680	691	701	711	717	726	739	
2011	US	SUM	SERC	SERC-W	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	2	Total Internal Demand	25,585	25,403	25,921	26,166	26,563	26,881	27,199	27,505	27,863	28,153	28,435	
2011	US	SUM	SERC	SERC-W	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	3	Net Internal Demand	25,574	24,503	25,015	25,257	25,623	25,937	26,252	26,556	26,910	27,198	27,472	
2011	US	SUM	SERC	SERC-W	3a	Demand-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	3b	Demand-Side Contractually Interruptible (Curtailable)	11	900	906	909	940	944	947	949	953	955	963	
2011	US	SUM	SERC	SERC-W	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	3d	Demand-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	4	Total Controllable Demand Response	11	900	906	909	940	944	947	949	953	955	963	
2011	US	SUM	SERC	SERC-W	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	4d	Demand Response used for Energy, Voluntary Services - Emergency	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-W	5	TOTAL INTERNAL CAPACITY	34,292	40,672	40,672	40,722	40,749	40,875	40,875	40,875	40,875	40,875	40,875	

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

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Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-W	8	Conceptual		-	10	710	1,684	1,786	1,889	2,591	3,890	4,040	4,790
2011	US	SUM	SERC	SERC-W	8a1	Wind Expected On-Peak		-	-	-	3	5	8	10	10	10	10
2011	US	SUM	SERC	SERC-W	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	119	169	219
2011	US	SUM	SERC	SERC-W	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	8a7	Biomass Expected On-Peak		-	10	110	210	310	410	510	610	710	810
2011	US	SUM	SERC	SERC-W	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	8a10	Energy-Only		-	-	100	474	576	679	781	950	1,050	1,800
2011	US	SUM	SERC	SERC-W	9	ANTICIPATED INTERNAL CAPACITY		36,153	36,153	36,203	36,230	36,356	36,356	36,356	36,356	36,356	36,356
2011	US	SUM	SERC	SERC-W	10	CAPACITY TRANSACTIONS - IMPORTS		155	180	50	50	50	50	50	50	50	50
2011	US	SUM	SERC	SERC-W	10a	Firm		155	180	50	50	50	50	50	50	50	50
2011	US	SUM	SERC	SERC-W	10a1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion		50	50	50	50	50	50	50	50	50	50
2011	US	SUM	SERC	SERC-W	10b	Non-firm		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	11	CAPACITY TRANSACTIONS - EXPORTS		2,509	2,734	2,304	1,746	1,746	1,671	1,671	1,671	1,671	1,392

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-W	11a	Firm	2,509	2,734	2,304	1,746	1,746	1,671	1,671	1,671	1,671	1,671	1,392
2011	US	SUM	SERC	SERC-W	11a1	Full-Responsibility Purchases	588	588	588	588	588	588	588	588	588	588	588
2011	US	SUM	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	SUM	SERC	SERC-W	11b	Non-firm	-										
2011	US	SUM	SERC	SERC-W	11c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	31,938	31,621	31,921	32,479	32,479	32,554	32,554	32,554	32,554	32,554	32,833
2011	US	SUM	SERC	SERC-W	13	ANTICIPATED CAPACITY RESOURCES		31,621	33,899	34,507	34,534	34,735	34,735	34,735	34,735	34,735	35,014
2011	US	SUM	SERC	SERC-W	14	PROSPECTIVE CAPACITY RESOURCES			38,418	39,026	39,053	39,254	39,254	39,254	39,254	39,254	39,533
2011	US	SUM	SERC	SERC-W	15	TOTAL POTENTIAL CAPACITY RESOURCES			38,428	39,736	40,737	41,040	41,143	41,845	43,144	43,294	44,323
2011	US	SUM	SERC	SERC-W	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			38,428	39,736	40,737	41,040	41,143	41,845	43,144	43,294	44,323
2011	US	SUM	SERC	SERC-W	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	SERC	SERC-W	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011	US	SUM	SERC	SERC-W	16d	Net Conceptual Resources After Confidence Percentage Is Applied			10	710	1,683	1,786	1,888	2,591	3,890	4,040	4,790

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 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 5A.7. SPP summer historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SPP	SPP	1	Unrestricted Non-coincident Peak Demand		54,811	55,707	56,426	56,560	57,251	58,020	58,635	59,491	60,415	61,133
2011	US	SUM	SPP	SPP	1a	New Conservation (Energy Efficiency)		249	307	369	423	481	543	608	670	728	779
2011	US	SUM	SPP	SPP	1b	Estimated Diversity		64	65	66	73	74	75	76	77	77	78
2011	US	SUM	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	SUM	SPP	SPP	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	-	-	-	-	6	-	-	-
2011	US	SUM	SPP	SPP	1e	Non-Controllable Demand-Side Demand Response		77	169	274	311	346	361	379	381	384	385
2011	US	SUM	SPP	SPP	2	Total Internal Demand	55,817	54,436	55,180	55,732	55,766	56,364	57,055	57,591	58,378	59,239	59,904
2011	US	SUM	SPP	SPP	2a	Supply-Side Direct Control Load Management (DCLM)	70	72	85	94	104	114	124	134	144	155	165
2011	US	SUM	SPP	SPP	2b	Supply-Side Contractually Interruptible (Curtailable)	130	180	187	271	286	294	308	279	294	307	316
2011	US	SUM	SPP	SPP	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	3	Net Internal Demand	54,991	53,462	54,247	54,794	54,788	55,368	55,927	56,539	57,338	57,971	58,716
2011	US	SUM	SPP	SPP	3a	Demand-Side Direct Control Load Management (DCLM)	46	171	182	191	200	208	208	208	208	208	208
2011	US	SUM	SPP	SPP	3b	Demand-Side Contractually Interruptible (Curtailable)	752	774	723	719	750	760	893	817	804	1,033	952
2011	US	SUM	SPP	SPP	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	3d	Demand-Side Load as a Capacity Resource	28	28	28	28	28	28	28	28	28	28	28
2011	US	SUM	SPP	SPP	4	Total Controllable Demand Response	1,026	1,226	1,205	1,304	1,367	1,404	1,560	1,465	1,478	1,730	1,668
2011	US	SUM	SPP	SPP	4a	Demand Response used for Ancillary Services - Spinning Reserves	2	2	2	2	2	2	2	2	2	2	2
2011	US	SUM	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	SUM	SPP	SPP	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	5	TOTAL INTERNAL CAPACITY	74,777	75,684	80,585	85,341	87,329	87,360	88,225	88,303	88,366	89,004	89,314

megawatts

							Actual					Projected						
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	SPP	SPP	6a	Existing-Certain	62,838	63,897	63,897	63,897	63,897	63,897	63,897	63,897	63,897	63,897	63,897	
2011	US	SUM	SPP	SPP	6a1	Wind Expected On-Peak	144	253	253	253	253	253	253	253	253	253	253	
2011	US	SUM	SPP	SPP	6a2	Solar Expected On-Peak	-	5	5	5	5	5	5	5	5	5	5	
2011	US	SUM	SPP	SPP	6a3	Hydro Expected On-Peak	2,627	2,696	2,696	2,696	2,696	2,696	2,696	2,696	2,696	2,696	2,696	
2011	US	SUM	SPP	SPP	6a4	Biomass Expected On-Peak	14	19	19	19	19	19	19	19	19	19	19	
2011	US	SUM	SPP	SPP	6b	Existing-Other	6,871	5,084	5,084	5,084	5,084	5,084	5,084	5,084	5,084	5,084	5,084	
2011	US	SUM	SPP	SPP	6b1	Wind Derate On-Peak	4,529	4,745	4,745	4,745	4,745	4,745	4,745	4,745	4,745	4,745	4,745	
2011	US	SUM	SPP	SPP	6b2	Solar Derate On-Peak	-	45	45	45	45	45	45	45	45	45	45	
2011	US	SUM	SPP	SPP	6b3	Hydro Derate On-Peak	135	152	152	152	152	152	152	152	152	152	152	
2011	US	SUM	SPP	SPP	6b4	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	6b5	Transmission-Limited Resources	-		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	6b6	All Other Derates	3	455	455	455	455	455	455	455	455	455	455	
2011	US	SUM	SPP	SPP	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	401	281	285	290	829	857	857	857	857	857	857	
2011	US	SUM	SPP	SPP	6d	Total Supply-Side Demand Response	200	253	272	365	390	408	432	413	439	462	480	
2011	US	SUM	SPP	SPP	7	TOTAL FUTURE CAPACITY ADDITIONS		507	1,308	1,774	1,590	1,419	2,221	2,230	2,232	2,735	2,935	
2011	US	SUM	SPP	SPP	7a	Future-Planned		507	1,308	1,774	1,590	1,419	2,221	2,230	2,232	2,735	2,935	
2011	US	SUM	SPP	SPP	7a1	Wind Expected On-Peak		20	412	839	996	1,016	1,016	1,016	1,016	1,016	1,016	
2011	US	SUM	SPP	SPP	7a2	Wind Derate On-Peak		519	4,600	8,875	10,441	10,641	10,641	10,641	10,641	10,641	10,641	
2011	US	SUM	SPP	SPP	7a3	Solar Expected On-Peak		-	-	-	3	3	3	3	3	5	5	
2011	US	SUM	SPP	SPP	7a4	Solar Derate On-Peak		-	-	-	23	23	23	23	23	45	45	
2011	US	SUM	SPP	SPP	7a5	Hydro Expected On-Peak		(20)	(62)	(45)	(43)	(3)	(3)	(3)	(3)	(3)	(3)	
2011	US	SUM	SPP	SPP	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7a7	Biomass Expected On-Peak		-	1	1	202	202	202	202	202	202	202	
2011	US	SUM	SPP	SPP	7a8	Biomass Derate On-Peak		-	5	5	8	8	8	8	8	10	10	
2011	US	SUM	SPP	SPP	7a9	Transmission-Limited Resources												
2011	US	SUM	SPP	SPP	7a10	Scheduled Outage - Maintenance		(20)	(20)	(40)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	
2011	US	SUM	SPP	SPP	7a11	All Other Derates		-	10	20	62	36	99	168	230	340	450	
2011	US	SUM	SPP	SPP	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b	Future-Other		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-	

megawatts

[illegible]

Table 5A.7. SPP summer historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SPP	SPP	10c	Expected			-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	11	CAPACITY TRANSACTIONS - EXPORTS	2,227	2,390	2,388	2,357	2,047	2,047	2,117	2,084	2,084	2,084	2,084
2011	US	SUM	SPP	SPP	11a	Firm	2,227	2,340	2,338	2,307	1,997	1,997	2,067	2,034	2,034	2,034	2,034
2011	US	SUM	SPP	SPP	11a1	Full-Responsibility Purchases	2,161	2,272	2,270	2,239	1,929	1,929	1,999	1,964	1,964	1,964	1,964
2011	US	SUM	SPP	SPP	11a2	the Region/Subregion	66	68	68	68	68	68	68	70	70	70	70
2011	US	SUM	SPP	SPP	11c	Expected		50	50	50	50	50	50	50	50	50	50
2011	US	SUM	SPP	SPP	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	62,869	64,144	64,078	64,362	64,697	64,715	64,719	64,733	64,789	64,812	64,830
2011	US	SUM	SPP	SPP	13	ANTICIPATED CAPACITY RESOURCES		64,144	65,335	66,086	66,237	66,084	66,889	66,913	66,970	67,496	67,715
2011	US	SUM	SPP	SPP	14	PROSPECTIVE CAPACITY RESOURCES			70,419	71,170	71,321	71,167	71,973	71,997	72,054	72,580	72,799
2011	US	SUM	SPP	SPP	15	TOTAL POTENTIAL CAPACITY RESOURCES			71,464	72,275	72,517	72,367	73,154	73,180	73,407	74,155	74,373
2011	US	SUM	SPP	SPP	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			70,524	71,280	71,440	71,287	72,091	72,115	72,189	72,737	72,956
2011	US	SUM	SPP	SPP	16a	Confidence of Future-Other			0	0	0	0	0	0	0	0	0
2011	US	SUM	SPP	SPP	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	16d	Net Conceptual Resources After Confidence Percentage Is Applied			105	111	120	120	118	118	135	157	157

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 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 5A.8. TRE summer historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	TRE	ERCOT	1	Unrestricted Non-coincident Peak Demand		66,195	67,168	70,087	73,552	76,001	77,596	78,919	79,411	81,382	82,765
2011	US	SUM	TRE	ERCOT	1a	New Conservation (Energy Efficiency)		119	240	366	498	635	775	917	1,060	1,206	1,355
2011	US	SUM	TRE	ERCOT	1b	Estimated Diversity				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	1c	Additions for non-member load (load served by non-registered LSE's in a region)				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	1e	Non-Controllable Demand-Side Demand Response				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	2	Total Internal Demand	68,416	66,076	66,928	69,721	73,054	75,366	76,821	78,002	78,351	80,176	81,410
2011	US	SUM	TRE	ERCOT	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	3	Net Internal Demand	68,416	64,605	65,649	68,403	71,692	73,957	75,360	76,483	76,769	78,524	79,682
2011	US	SUM	TRE	ERCOT	3a	Demand-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	3b	Demand-Side Contractually Interruptible (Curtailable)	-	585	393	432	476	523	575	633	696	766	842
2011	US	SUM	TRE	ERCOT	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	3d	Demand-Side Load as a Capacity Resource	-	886	886	886	886	886	886	886	886	886	886
2011	US	SUM	TRE	ERCOT	4	Total Controllable Demand Response	-	1,471	1,279	1,318	1,362	1,409	1,461	1,519	1,582	1,652	1,728
2011	US	SUM	TRE	ERCOT	4a	Demand Response used for Ancillary Services - Spinning Reserves				-	-	-	-	-	-	-	-

Table 5A.8. TRE summer historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	TRE	ERCOT	6a	Existing-Certain	69,314	72,938	72,938	72,938	72,938	72,938	72,938	72,938	72,938	72,938	72,938
2011	US	SUM	TRE	ERCOT	6a1	Wind Expected On-Peak	1,999	855	855	855	855	855	855	855	855	855	855
2011	US	SUM	TRE	ERCOT	6a2	Solar Expected On-Peak	11	74	74	74	74	74	74	74	74	74	74
2011	US	SUM	TRE	ERCOT	6a3	Hydro Expected On-Peak	310	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6a4	Biomass Expected On-Peak	31	108	108	108	108	108	108	108	108	108	108
2011	US	SUM	TRE	ERCOT	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6b1	Wind Derate On-Peak	7,401	8,974	8,974	8,974	8,974	8,974	8,974	8,974	8,974	8,974	8,974
2011	US	SUM	TRE	ERCOT	6b2	Solar Derate On-Peak	4	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6b3	Hydro Derate On-Peak	234	544	544	544	544	544	544	544	544	544	544
2011	US	SUM	TRE	ERCOT	6b4	Biomass Derate On-Peak	19	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6b6	All Other Derates	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	2,912	2,702	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7	TOTAL FUTURE CAPACITY ADDITIONS		123	1,229	1,279	2,787	4,947	4,947	6,187	5,337	5,337	5,337
2011	US	SUM	TRE	ERCOT	7a	Future-Planned		123	1,229	1,279	2,787	4,947	4,947	6,187	5,337	5,337	5,337
2011	US	SUM	TRE	ERCOT	7a1	Wind Expected On-Peak		18	139	189	200	200	200	200	200	200	200
2011	US	SUM	TRE	ERCOT	7a2	Wind Derate On-Peak		188	1,459	1,989	2,098	2,098	2,098	2,098	2,098	2,098	2,098
2011	US	SUM	TRE	ERCOT	7a3	Solar Expected On-Peak		-	60	60	60	60	60	60	60	60	60
2011	US	SUM	TRE	ERCOT	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7a7	Biomass Expected On-Peak		105	105	105	105	105	105	105	105	105	105
2011	US	SUM	TRE	ERCOT	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7a9	Transmission-Limited Resources											
2011	US	SUM	TRE	ERCOT	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7a11	All Other Derates		-	-	-	0	0	0	0	0	0	0
2011	US	SUM	TRE	ERCOT	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-

Table 5A.8. TRE summer historical and projected demand and capacity, data year 2011 (cont.)

megawatts

[illegible]

Table 5A.8. TRE summer historical and projected demand and capacity, data year 2011 (cont.)

megawatts

Data Year							Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Country	Season	Area	Subarea	Line#	DESCRIPTION													
2011	US	SUM	TRE	ERCOT	10c	Expected			-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	11	CAPACITY TRANSACTIONS - EXPORTS	393	317	317	317	317	317	317	317	317	317	-	
2011	US	SUM	TRE	ERCOT	11a	Firm	317	317	317	317	317	317	317	317	317	317	-	
2011	US	SUM	TRE	ERCOT	11a1	Full-Responsibility Purchases	-		-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	317	317	317	317	317	317	317	317	317	-	
2011	US	SUM	TRE	ERCOT	11b	Non-firm	76											
2011	US	SUM	TRE	ERCOT	11c	Expected			-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	11c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	69,595	73,219	73,219	73,219	73,219	73,219	73,219	73,219	73,219	73,219	73,536	
2011	US	SUM	TRE	ERCOT	13	ANTICIPATED CAPACITY RESOURCES		73,219	74,448	74,498	76,006	78,166	78,166	79,406	78,556	78,556	78,873	
2011	US	SUM	TRE	ERCOT	14	PROSPECTIVE CAPACITY RESOURCES			74,448	74,498	76,006	78,166	78,166	79,406	78,556	78,556	78,873	
2011	US	SUM	TRE	ERCOT	15	TOTAL POTENTIAL CAPACITY RESOURCES			75,490	77,377	79,730	83,131	83,131	85,221	84,371	84,371	84,688	
2011	US	SUM	TRE	ERCOT	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			74,656	75,074	76,751	79,159	79,159	80,569	79,719	79,719	80,036	
2011	US	SUM	TRE	ERCOT	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1	
2011	US	SUM	TRE	ERCOT	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-	
2011	US	SUM	TRE	ERCOT	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0	
2011	US	SUM	TRE	ERCOT	16d	Net Conceptual Resources After Confidence Percentage Is Applied			208	576	745	993	993	1,163	1,163	1,163	1,163	

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 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 5A.9. WECC summer historical and projected demand and capacity, data year 2011

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	WECC	WECC-US	1	Unrestricted Non-coincident Peak Demand		128,115	129,170	130,649	133,079	138,808	141,381	143,975	144,797	146,738	149,639
2011	US	SUM	WECC	WECC-US	1a	New Conservation (Energy Efficiency)		525	1,150	1,749	2,418	3,107	3,760	4,602	5,363	6,139	6,951
2011	US	SUM	WECC	WECC-US	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		2,178	2,203	2,229	2,256	2,283	2,310	2,339	2,367	2,397	2,426
2011	US	SUM	WECC	WECC-US	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	2	Total Internal Demand	119,565	129,768	130,223	131,129	132,917	137,984	139,931	141,712	141,801	142,996	145,114
2011	US	SUM	WECC	WECC-US	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	3	Net Internal Demand	117,755	125,050	125,220	126,030	127,731	132,695	134,585	136,387	136,400	137,519	139,621
2011	US	SUM	WECC	WECC-US	3a	Demand-Side Direct Control Load Management (DCLM)	667	1,883	1,985	2,065	2,087	2,128	2,139	2,084	2,094	2,106	2,110
2011	US	SUM	WECC	WECC-US	3b	Demand-Side Contractually Interruptible (Curtailable)	885	1,738	1,836	1,923	1,971	2,010	2,017	2,025	2,040	2,054	2,017
2011	US	SUM	WECC	WECC-US	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	2	7	12	13	14	15	15	16	16	16
2011	US	SUM	WECC	WECC-US	3d	Demand-Side Load as a Capacity Resource	258	1,095	1,175	1,099	1,115	1,137	1,175	1,201	1,251	1,301	1,350
2011	US	SUM	WECC	WECC-US	4	Total Controllable Demand Response	1,810	4,718	5,003	5,099	5,186	5,289	5,346	5,325	5,401	5,477	5,493

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected						
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011	US	SUM	WECC	WECC-US	4a	Demand Response used for Ancillary Services - Spinning Reserves	316	525	525	525	525	525	525	525	525	525	525	
2011	US	SUM	WECC	WECC-US	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	347	507	507	507	507	507	507	507	507	507	507	
2011	US	SUM	WECC	WECC-US	4c	Demand Response used for Regulation	38	50	50	50	50	50	50	50	50	50	50	
2011	US	SUM	WECC	WECC-US	4d	Demand Response used for Energy, Voluntary Services - Emergency	2,730	2,729	2,943	2,892	2,914	2,889	2,894	2,896	2,900	2,902	2,902	
2011	US	SUM	WECC	WECC-US	5	TOTAL INTERNAL CAPACITY	190,511	196,004	205,942	210,721	214,058	216,181	218,070	218,612	218,978	218,810	218,386	
2011	US	SUM	WECC	WECC-US	6a	Existing-Certain	148,957	147,373	147,039	146,739	146,687	147,653	147,625	147,769	146,900	146,880	146,826	
2011	US	SUM	WECC	WECC-US	6a1	Wind Expected On-Peak	1,781	258	475	168	29	262	257	430	216	16	3	
2011	US	SUM	WECC	WECC-US	6a2	Solar Expected On-Peak	508	627	627	600	626	568	624	622	591	600	568	
2011	US	SUM	WECC	WECC-US	6a3	Hydro Expected On-Peak	30,212	34,457	33,880	33,888	33,843	34,537	34,465	34,376	33,751	33,865	33,909	
2011	US	SUM	WECC	WECC-US	6a4	Biomass Expected On-Peak	869	782	782	782	779	787	802	798	860	850	859	
2011	US	SUM	WECC	WECC-US	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	WECC	WECC-US	6b1	Wind Derate On-Peak	12,452	13,975	13,758	14,065	14,204	13,971	13,976	13,803	14,017	14,217	14,230	
2011	US	SUM	WECC	WECC-US	6b2	Solar Derate On-Peak	489	369	369	397	370	428	372	374	406	396	428	
2011	US	SUM	WECC	WECC-US	6b3	Hydro Derate On-Peak	22,319	18,074	18,652	18,644	18,688	17,994	18,066	18,155	18,781	18,667	18,622	
2011	US	SUM	WECC	WECC-US	6b4	Biomass Derate On-Peak	454	541	541	541	544	536	521	525	463	473	464	
2011	US	SUM	WECC	WECC-US	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	WECC	WECC-US	6b6	All Other Derates	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	WECC	WECC-US	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	WECC	WECC-US	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	5,840	10,179	10,153	10,126	10,018	9,929	9,951	9,885	9,945	9,879	9,941	
2011	US	SUM	WECC	WECC-US	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-	
2011	US	SUM	WECC	WECC-US	7	TOTAL FUTURE CAPACITY ADDITIONS		2,488	6,219	9,934	11,533	12,653	14,082	14,974	14,720	14,384	13,977	
2011	US	SUM	WECC	WECC-US	7a	Future-Planned		2,488	6,219	9,934	11,533	12,653	14,082	14,974	14,720	14,384	13,977	
2011	US	SUM	WECC	WECC-US	7a1	Wind Expected On-Peak		59	218	84	23	158	136	213	142	15	10	
2011	US	SUM	WECC	WECC-US	7a2	Wind Derate On-Peak		1,831	3,909	4,429	5,976	6,046	6,843	7,386	7,856	8,084	8,089	

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	WECC	WECC-US	7a3	Solar Expected On-Peak		1,019	1,019	3,051	4,522	5,532	6,807	7,728	7,664	7,630	7,723
2011	US	SUM	WECC	WECC-US	7a4	Solar Derate On-Peak		710	4,667	5,059	5,261	6,197	5,859	4,967	5,110	5,225	5,212
2011	US	SUM	WECC	WECC-US	7a5	Hydro Expected On-Peak		48	87	87	96	102	102	102	100	101	101
2011	US	SUM	WECC	WECC-US	7a6	Hydro Derate On-Peak		445	493	493	497	495	495	495	497	318	317
2011	US	SUM	WECC	WECC-US	7a7	Biomass Expected On-Peak		21	21	21	118	118	118	118	113	109	118
2011	US	SUM	WECC	WECC-US	7a8	Biomass Derate On-Peak		18	143	295	280	280	280	280	284	289	280
2011	US	SUM	WECC	WECC-US	7a9	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7a10	Scheduled Outage - Maintenance		8,112	8,267	7,955	8,004	8,077	7,949	7,832	7,866	7,852	7,915
2011	US	SUM	WECC	WECC-US	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b9	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	8	Conceptual		74	77	707	967	1,599	1,661	2,125	2,094	3,044	2,972
2011	US	SUM	WECC	WECC-US	8a1	Wind Expected On-Peak		0	3	5	7	4	5	21	20	6	11
2011	US	SUM	WECC	WECC-US	8a2	Wind Derate On-Peak		115	365	1,055	1,053	1,511	1,530	1,535	1,683	1,829	1,825
2011	US	SUM	WECC	WECC-US	8a3	Solar Expected On-Peak		0	0	181	439	568	546	729	510	753	677

megawatts

[illegible]

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

megawatts

Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	Actual					Projected					
							2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	WECC	WECC-US	11	CAPACITY TRANSACTIONS - EXPORTS	-	-	-	74	720	1,297	1,297	744	817	1,556	2,200
2011	US	SUM	WECC	WECC-US	11a	Firm	-	-	-	74	720	1,297	1,297	744	817	1,556	2,200
2011	US	SUM	WECC	WECC-US	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	11b	Non-firm	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	11c	Expected	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	11c1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	148,957	147,373	147,039	146,665	145,967	146,356	146,328	147,025	146,083	145,324	144,626
2011	US	SUM	WECC	WECC-US	13	ANTICIPATED CAPACITY RESOURCES	-	147,373	153,258	156,599	157,500	159,009	160,410	161,999	160,803	159,708	158,602
2011	US	SUM	WECC	WECC-US	14	PROSPECTIVE CAPACITY RESOURCES	-	-	153,258	156,599	157,500	159,009	160,410	161,999	160,803	159,708	158,602
2011	US	SUM	WECC	WECC-US	15	TOTAL POTENTIAL CAPACITY RESOURCES	-	-	153,335	157,306	158,467	160,607	162,071	164,124	162,897	162,752	161,574
2011	US	SUM	WECC	WECC-US	16	ADJUSTED POTENTIAL CAPACITY RESOURCES	-	-	153,335	157,306	158,467	160,607	162,071	164,124	162,897	162,752	161,574
2011	US	SUM	WECC	WECC-US	16a	Confidence of Future-Other	-	-	1	1	1	1	1	1	1	1	1

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.

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

• 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.

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