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

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

							Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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 1d	Additions for non-member load (load served by non-registered LSE's in a region) (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)	<u>-</u>	-	-	-	_	-	<u>-</u>	-	-	-	-
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.)

D-4-							Actual					Projecto	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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	-	-	-	-	<u>-</u>	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	<u>-</u>
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	-	-	-	-	<u>-</u>	-	-	-	-	-	-
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	_	_	_	_		_	<u>-</u>	_	_	_	_
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
2011	03	30101	TACC	TACC	, u	racare riaminea		043	1,234	1,733	3,333	7,344	7,301	7,713	3,333	3,333	1,732

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

							Actual					Projecte	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	FRCC	FRCC	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7a2	Wind Derate On-Peak		-	-	-	-	-	-	<u>-</u>	-	-	-
2011	US	SUM	FRCC	FRCC	7a3	Solar Expected On-Peak		2	3	5	6	8	8	8	9	9	9
2011	US	SUM	FRCC	FRCC	7a4	Solar Derate On-Peak		4	6	9	12	14	15	15	16	17	17
2011	US	SUM	FRCC	FRCC	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-		-	-
2011	US	SUM	FRCC	FRCC	7a7	Biomass Expected On-Peak		40	52	308	308	378	378	363	363	361	361
2011	US	SUM	FRCC	FRCC	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7a9	Transmission-Limited Resources		-	-	-	-	-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	7a10	Scheduled Outage - Maintenance		-	-	-	789	789	789	789	789	789	789
2011	US	SUM	FRCC	FRCC	7a11	All Other Derates		8	20	38	61	90	119	150	183	216	251
2011	US	SUM	FRCC	FRCC	7a12	Energy-Only		-				-	-	-		-	
2011	US	SUM	FRCC	FRCC	7b	Future-Other		450	1,707	2,728	1,902	1,925	2,352	2,367	2,643	2,645	3,104
2011	US	SUM	FRCC	FRCC	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7b2	Wind Derate On-Peak		-	-	-	-	-	<u>-</u>	-	-	-	
2011	US	SUM	FRCC	FRCC	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7b6	Hydro Derate On-Peak		-		-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7b7	Biomass Expected On-Peak		-	-	56	56	56	56	71	71	73	73
2011	US	SUM	FRCC	FRCC	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	7b9	Transmission-Limited Resources											
2011	US	SUM	FRCC	FRCC	7b10	Scheduled Outage - Maintenance		-			-	-	-	-		-	-
2011	US	SUM	FRCC	FRCC	7b11	All Other Derates			-	-		-		-			
2011	US	SUM	FRCC	FRCC	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8	Conceptual		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-

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

						_	Actual					Projecto	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	FRCC	FRCC	8a2	Wind Derate On-Peak			-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a3	Solar Expected On-Peak		-	-	-		-	-	-	-	-	
2011	US	SUM	FRCC	FRCC	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	FRCC	FRCC	9	ANTICIPATED INTERNAL CAPACITY		52,170	52,760	53,280	55,118	55,868	56,026	55,998	56,925	56,924	59,018
2011	US	SUM	FRCC	FRCC	10	CAPACITY TRANSACTIONS - IMPORTS	2,209	2,206	2,206	2,206	2,206	866	966	1,066	1,066	1,066	1,066
2011	US	SUM	FRCC	FRCC	10a	Firm	2,209	2,206	2,206	2,206	2,206	866	966	1,066	1,066	1,066	1,066
2011	US	SUM	FRCC	FRCC	10a1	Full-Responsibility Purchases	1,343	1,340	1,340	1,340	1,340	-	100	200	200	200	200
2011	US	SUM	FRCC	FRCC	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	866	866	866	866	866	866	866	866	866	866	866
2011	US	SUM	FRCC	FRCC	1082 10b	Non-firm	-			300							
2011	US	SUM	FRCC	FRCC	10c	Expected		-					-			-	-
2011	US	SUM	FRCC	FRCC	10c1	Full-Responsibility Purchases											
						Owned Capacity/Entitlement Located											
2011	US	SUM	FRCC	FRCC	10c2	Outside the Region/Subregion		-		-				-	-	-	
2011	US	SUM	FRCC	FRCC	11	CAPACITY TRANSACTIONS - EXPORTS	143	143	143	143	143	143	143	143	143	143	143
2011	US	SUM	FRCC	FRCC	11a	Firm	143	143	143	143	143	143	143	143	143	143	143
2011	US	SUM	FRCC	FRCC	11a1	Full-Responsibility Purchases	143	143	143	143	143	143	143	143	143	143	143
2011		30141			1101	Tan Acoponisionity Fulctiones	147	143	143	143	143	143		143	143	143	143
2011		S. 13.4	5000	5000		Owned Capacity/Entitlement Located											
2011	US	SUM	FRCC	FRCC	11a2	Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-

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

							Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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		-	-	-	<u>-</u>	-	-	-	-	-	-
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 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

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

							Actual					Projecto	ed				
Data																	
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
				New		Unrestricted Non-coincident Peak											
2011	US	SUM	NPCC	England	1	Demand		27,440	27,765	28,275	28,840	29,400	29,895	30,275	30,605	30,930	31,255
				New													
2011	US	SUM	NPCC	England	1a	New Conservation (Energy Efficiency)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	England	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
						Additions for non-member load (load											
				New		served by non-registered LSE's in a											
2011	US	SUM	NPCC	England	1c	region)			-	-	-	-	-	-	-	-	-
				N		Chandle Land Hada Castrat (Namella											
2011	110	CLINA	NDCC	New	4.1	Stand-by Load Under Contract (Normally											
2011		SUM	NPCC	England	1d	served by behind the meter generation)					-		-	-	-	-	
2011		61114		New		Non-Controllable Demand-Side Demand											
2011	US	SUM	NPCC	England	1e	Response							-	-	-	-	
2011	US	SUM	NPCC	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
				New		Supply-Side Direct Control Load											
2011	US	SUM	NPCC	England	2a	Management (DCLM)	-	<u>-</u>	<u>-</u>	-	<u>-</u>	-	-	-	-	-	-
				New		Supply-Side Contractually Interruptible											
2011	US	SUM	NPCC	England	2b	(Curtailable)	-	<u>-</u>	<u>-</u>	-	<u>-</u>	-	-	-	-	-	-
				New		Supply-Side Critical Peak-Pricing (CPP)											
2011	US	SUM	NPCC	England	2c	with Control	-	-	<u>-</u>	-	<u>-</u>	-	-	-	-	-	-
				New													
2011	US	SUM	NPCC	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	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
				New		Demand-Side Direct Control Load											
2011	US	SUM	NPCC	England	3a	Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
				New		Demand-Side Contractually Interruptible											
2011	US	SUM	NPCC	England	3b	(Curtailable)	-	-	-	-	-	-	-	-	-	-	-
				New		Demand-Side Critical Peak-Pricing (CPP)											
2011	US	SUM	NPCC	England	3c	with Control	-	-	-	-	-	-	-	-	-	-	-
				New		Demand-Side Load as a Capacity											
2011	US	SUM	NPCC	England	3d	Resource	1,077	978	1,136	1,398	1,647	1,880	2,098	2,302	2,494	2,673	2,841

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

							Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	New England	4	Total Controllable Demand Response	1,787	2,106	2,817	3,397	3,566	3,799	4,017	4,221	4,413	4,592	4,760
2011	US	SUM	NPCC	New England	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	<u>-</u>	-	-	<u>-</u>
2011	US	SUM	NPCC	New England	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves	-		-	<u>-</u>	-	-	<u>-</u>	<u>-</u>	-	<u>-</u>	-
2011	US	SUM	NPCC	New England	4c	Demand Response used for Regulation	-	-	-	_	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New England	4d	Demand Response used for Energy, Voluntary Services - Emergency	30	-	-	-	-	-	-	- -	-	-	-
2011	US	SUM	NPCC	England	5	TOTAL INTERNAL CAPACITY	32,937	33,011	33,166	32,638	32,638	32,638	32,638	32,638	32,638	32,638	32,638
2011	US	SUM	NPCC	England	6a	Existing-Certain	28,635	31,969	31,969	31,969	31,969	31,969	31,969	31,969	31,969	31,969	31,969
2011	US	SUM	NPCC	England	6a1	Wind Expected On-Peak	39	97	97	97	97	97	97	97	97	97	97
2011	US	SUM	NPCC	England	6a2	Solar Expected On-Peak	5	5	5	5	5	5	5	5	5	5	5
2011	US	SUM	NPCC	England	6a3	Hydro Expected On-Peak	1,382	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483
2011	US	SUM	NPCC	England	6a4	Biomass Expected On-Peak	929	907	907	907	907	907	907	907	907	907	907
2011	US	SUM	NPCC	England	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	England	6b1	Wind Derate On-Peak	308	469	469	469	469	469	469	469	469	469	469
2011	US	SUM	NPCC	New England	6b2	Solar Derate On-Peak	6	13	13	13	13	13	13	13	13	13	13
2011	US	SUM	NPCC	England	6b3	Hydro Derate On-Peak	585	560	560	560	560	560	560	560	560	560	560
2011	US	SUM	NPCC	England	6b4	Biomass Derate On-Peak	-	-	-	-	-	-		-	-	-	-
2011	US	SUM	NPCC	England	6b5	Transmission-Limited Resources	-		-		-	-		-	-	-	-
2011	US	SUM	NPCC	England	6b6	All Other Derates	339	188	188	188	188	188	188	188	188	188	188
2011	US	SUM	NPCC	England	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New England	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	3,064	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New England	6d	Total Supply-Side Demand Response	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	England	7	TOTAL FUTURE CAPACITY ADDITIONS		-	(32)	(560)	(560)	(560)	(560)	(560)	(560)	(560)	(560)

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

							Actual					Projecte	d				
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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	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	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.)

							Actual					Project	ed				
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	England	8a3	Solar Expected On-Peak		-	10	16	16	16	16	16	16	16	16
2011	US	SUM	NPCC	England	8a4	Solar Derate On-Peak		-	-	-	-	-		-	-	-	-
2011	US	SUM	NPCC	England	8a5	Hydro Expected On-Peak		15	19	21	21	21	21	21	21	21	21
2011	US	SUM	NPCC	England	8a6	Hydro Derate On-Peak		-	-		-	-			-	-	-
2011	US	SUM	NPCC	England	8a7	Biomass Expected On-Peak		-	86	124	124	159	159	159	159	159	159
2011	US	SUM	NPCC	England	8a8	Biomass Derate On-Peak		-	-			-		-	-	-	-
2011	US	SUM	NPCC	England	8a9	All Other Derates		-	-			-		-	-	-	-
2011	US	SUM	NPCC	England	8a10	Energy-Only		-	-			-		-	-	-	-
2011	US	SUM	NPCC	England	9	ANTICIPATED INTERNAL CAPACITY		33,097	33,619	33,409	33,329	33,329	33,329	33,329	33,329	33,329	33,329
2011	US	SUM	NPCC	England	10	CAPACITY TRANSACTIONS - IMPORTS	1,236	776	1,746	1,851	1,768	120	95	95	95	95	89
2011	US	SUM	NPCC	England	10a	Firm	1,236	776	1,746	1,851	1,768	120	95	95	95	95	89
2011	US	SUM	NPCC	England	10a1	Full-Responsibility Purchases	-	-	-		-	-			-	-	-
				New		Owned Capacity/Entitlement Located											
2011	US	SUM	NPCC	England	10a2	Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	England	10b	Non-firm	-										
2011	US	SUM	NPCC	England	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	England	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011		C1 13 4		New	40.0	Owned Capacity/Entitlement Located											
2011	US	SUM	NPCC	England	10c2	Outside the Region/Subregion									-		
2011	US	SUM	NPCC	England	11	CAPACITY TRANSACTIONS - EXPORTS	100	100	100	100	100	100	100	100	100	100	100
2011	US	SUM	NPCC	England	11a	Firm	100	100	100	100	100	100	100	100	100	100	100
2011	US	SUM	NPCC	England	11a1	Full-Responsibility Purchases			-					-	-	-	
				New		Owned Capacity/Entitlement Located											
2011	US	SUM	NPCC	England	11a2	Outside the Region/Subregion	-	-	-	-	-	-	-	-	-	_	-
2011	US	SUM	NPCC	England	11b	Non-firm											
2011	US	SUM	NPCC	England	11c	Expected											

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

							Actual					Project	ed				
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	England	11c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
				New		Owned Capacity/Entitlement Located											
2011	US	SUM	NPCC	England	11c2	Outside the Region/Subregion						-				-	
				New		EXISTING-CERTAIN & NET FIRM											
2011	US	SUM	NPCC	England	12	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	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	England	14	PROSPECTIVE CAPACITY RESOURCES			35,265	35,160	34,997	33,349	33,324	33,324	33,324	33,324	33,318
				New		TOTAL POTENTIAL CAPACITY											
2011	US	SUM	NPCC	England	15	RESOURCES			35,589	36,849	37,564	39,137	39,361	39,361	39,361	39,361	39,355
				New		ADJUSTED POTENTIAL CAPACITY											
2011	US	SUM	NPCC	England	16	RESOURCES			35,329	35,498	35,510	34,506	34,531	34,531	34,531	34,531	34,525
2011	US	SUM	NPCC	England	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
				New		Net Future-Other Resources After											
2011	US	SUM	NPCC	England	16b	Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	England	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0
				New		Net Conceptual Resources After											
2011	US	SUM	NPCC	England	16d	Confidence Percentage Is Applied			65	338	514	1,158	1,207	1,207	1,207	1,207	1,207
						Unrestricted Non-coincident Peak											
2011	US	SUM	NPCC	New York	1	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	12	New Conservation (Energy Efficiency)		343	624	932	1,210	1,446	1,674	1,861	1,983	2,101	2,217
2011		301VI	INFCC	new fork		New Conservation (Energy Enricency)		343	024	932	1,210	1,440	1,074	1,001	1,905	2,101	2,217
2011	US	SUM	NPCC	New York	1b	Estimated Diversity				-	-	-	-	-	-	-	-
						Additions for non-member load (load											
						served by non-registered LSE's in a											
2011	US	SUM	NPCC	New York	1c	region)						-					-
						Stand-by Load Under Contract (Normally											
2011	US	SUM	NPCC	New York	1d	served by behind the meter generation)					-	-		-	-	-	-
						Non-Controllable Demand-Side Demand											
2011	US	SUM	NPCC	New York	1e	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
						Supply-Side Direct Control Load											
2011	US	SUM	NPCC	New York	2a	Management (DCLM)				-	-	-	-	-	-	-	-
						Supply-Side Contractually Interruptible											
2011	US	SUM	NPCC	New York	2b	(Curtailable)				-	-	-	-	-	-	-	-

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

Data						_	Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	New York	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	2d	Supply-Side Load as a Capacity Resource	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165
2011	US	SUM	NPCC	New York	3	Net 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	3a	Demand-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	3b	Demand-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	3c	Demand-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	3d	Demand-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	4	Total Controllable Demand Response	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165
2011	US	SUM	NPCC	New York	4a	Demand Response used for Ancillary Services - Spinning Reserves				<u>-</u>	-	<u>-</u>	<u>-</u>	<u>-</u>	_	-	-
2011	US	SUM	NPCC	New York	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	SUM	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	SUM	NPCC	New York	5	TOTAL INTERNAL CAPACITY	38,887	38,524	38,012	38,015	38,018	38,020	38,023	38,026	38,029	38,031	38,034
2011	US	SUM	NPCC	New York	6a	Existing-Certain	38,887	37,872	37,872	37,872	37,872	37,872	37,872	37,872	37,872	37,872	37,872
2011	US	SUM	NPCC	New York	6a1	Wind Expected On-Peak		131	131	131	131	131	131	131	131	131	131
2011	US	SUM	NPCC	New York	6a2	Solar Expected On-Peak		3	3	3	3	3	3	3	3	3	3
2011	US	SUM	NPCC	New York	6a3	Hydro Expected On-Peak		3,826	3,826	3,826	3,826	3,826	3,826	3,826	3,826	3,826	3,826
2011	US	SUM	NPCC	New York	6a4	Biomass Expected On-Peak		391	391	391	391	391	391	391	391	391	391
2011	US	SUM	NPCC	New York	6b	Existing-Other		-	-	-	-	-	-	-	-	-	-

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

						_	Actual					Projecto	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	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	SUM	NPCC	New York	6b2	Solar Derate On-Peak		28	28	28	28	28	28	28	28	28	28
2011	US	SUM	NPCC	New York	6b3	Hydro Derate On-Peak		453	453	453	453	453	453	453	453	453	453
2011	US	SUM	NPCC	New York	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	6b5	Transmission-Limited Resources			<u>-</u>		-	<u>-</u>				-	-
2011	US	SUM	NPCC	New York	6b6	All Other Derates		0	0	0	0	0	0	0	0	0	0
2011	US	SUM	NPCC	New York	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	<u>-</u>	-	-	-
2011	US	SUM	NPCC	New York	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	<u>-</u>	<u>-</u>			<u>-</u>	<u>-</u>	<u>-</u>	-
2011	US	SUM	NPCC	New York	6d	Total Supply-Side Demand Response	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165
2011	US	SUM	NPCC	New York	7	TOTAL FUTURE CAPACITY ADDITIONS		(1,014)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)
2011	US	SUM	NPCC	New York	7a	Future-Planned		(1,014)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)	(1,533)
2011	US	SUM	NPCC	New York	7a1	Wind Expected On-Peak		-	1	1	1	1	1	1	1	1	1
2011	US	SUM	NPCC	New York	7a2	Wind Derate On-Peak		-	5	5	5	5	5	5	5	5	5
2011	US	SUM	NPCC	New York	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	NPCC	New York	7a5	Hydro Expected On-Peak		2	2	2	2	2	2	2	2	2	2
2011	US	SUM	NPCC	New York	7a6	Hydro Derate On-Peak		1	1	1	1	1	1	1	1	1	1
2011	US	SUM	NPCC	New York	7a7	Biomass Expected On-Peak		12	12	12	12	12	12	12	12	12	12
2011	US	SUM	NPCC	New York	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7a9	Transmission-Limited Resources											

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

							Actual					Projecte	ed				
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	New York	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-		-
2011	US	SUM	NPCC	New York	7a11	All Other Derates		3	5	8	11	14	16	19	22	24	27
2011	US	SUM	NPCC	New York	7a12	Energy-Only		-	-	-	-	-	-	-	-	<u>-</u>	-
2011	US	SUM	NPCC	New York	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7b2	Wind Derate On-Peak		<u>-</u>	-	-	-	-	-	-			
2011	US	SUM	NPCC	New York	7b3	Solar Expected On-Peak		<u>-</u>	-	-	-	-	-	-			
2011	US	SUM	NPCC	New York	7b4	Solar Derate On-Peak		-	-								
2011	US	SUM	NPCC	New York	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7b7	Biomass Expected On-Peak		-	-	-	-	-	<u>-</u>	-	-	<u>-</u>	
2011	US	SUM	NPCC	New York	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7b9	Transmission-Limited Resources											
2011	US	SUM	NPCC	New York	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	8	Conceptual		-	77	174	439	2,161	2,411	2,411	2,537	2,537	2,537
2011	US	SUM	NPCC	New York	8a1	Wind Expected On-Peak		-	50	147	162	186	186	186	312	312	312
2011	US	SUM	NPCC	New York	8a2	Wind Derate On-Peak		-	448	1,323	1,457	1,677	1,677	1,677	2,811	2,811	2,811
2011	US	SUM	NPCC	New York	8a3	Solar Expected On-Peak		-	-	-	<u>-</u>	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-		-

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

Data						_	Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	NPCC	New York	8a5	Hydro Expected On-Peak		-	6	6	6	6	6	6	6	6	6
2011	US	SUM	NPCC	New York	8a6	Hydro Derate On-Peak		-	5	5	5	5	5	5	5	5	5
2011	US	SUM	NPCC	New York	8a7	Biomass Expected On-Peak		-	21	21	21	21	21	21	21	21	21
2011	US	SUM	NPCC	New York	8a8	Biomass Derate On-Peak		<u>-</u>	-	-	<u>-</u>	-	-	-	<u>-</u>	-	-
2011	US	SUM	NPCC	New York	8a9	All Other Derates		-	10	20	30	40	50	60	70	80	90
2011	US	SUM	NPCC	New York	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	9	ANTICIPATED INTERNAL CAPACITY		39,023	38,504	38,504	38,504	38,504	38,504	38,504	38,504	38,504	38,504
2011	US	SUM	NPCC	New York	10	CAPACITY TRANSACTIONS - IMPORTS	1,821	1,951	3,623	3,573	3,573	3,573	3,573	3,573	3,573	3,573	3,573
2011	US	SUM	NPCC	New York	10a	Firm	1,821	1,951	2,270	2,220	2,220	2,220	2,220	2,220	2,220	2,220	2,220
2011	US	SUM	NPCC	New York	10a1	Full-Responsibility Purchases											
2011	US	SUM	NPCC	New York	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			<u>-</u>	_							
2011	US	SUM	NPCC	New York	10b	Non-firm											
2011	US	SUM	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	SUM	NPCC	New York	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	11	CAPACITY TRANSACTIONS - EXPORTS	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	11a	Firm			-	-	-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	11a1	Full-Responsibility Purchases			-		-	-	-	-	-	-	-
2011	US	SUM	NPCC	New York	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			<u>-</u>	<u>-</u>	<u>-</u>	-	<u>-</u>	<u>-</u>	<u>-</u>	-	-
2011	US	SUM	NPCC	New York	11b	Non-firm											

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

							Actual					Projecte	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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 EXISTING-CERTAIN & NET FIRM			-	<u>-</u>	<u>-</u>	<u>-</u>	-	<u>-</u>	-	<u>-</u>	-
2011	US	SUM	NPCC	New York	12	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			<u>-</u>	<u>-</u>	<u>-</u>	-	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
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/

- 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 5A.3. MAPP summer historical and projected demand and capacity, data year 2011

						_	Actual					Projected	d				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	MAPP	MAPP	1	Unrestricted Non-coincident Peak Demand		4,819	5,027	5,156	5,274	5,550	5,612	5,701	5,808	5,908	6,001
2011	US	SUM	MAPP	MAPP	1a	New Conservation (Energy Efficiency)		22	22	26	31	36	40	46	50	56	61
2011	US	SUM	MAPP	MAPP	1b	Estimated Diversity		-	-	-	-		-	-	-	-	
2011	US	SUM	MAPP	MAPP	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	<u>-</u>	<u>-</u>	-	-	-	-	-	-
2011	US	SUM	MAPP	МАРР	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)		-	-	<u>-</u>	<u>-</u>	-	-	-	-	-	_
2011	US	SUM	MAPP	MAPP	1e	Non-Controllable Demand-Side Demand Response		15	10	12	12	12	12	12	12	12	12
2011	US	SUM	MAPP	MAPP	2	Total Internal Demand	4,726	4,781	4,995	5,117	5,230	5,503	5,560	5,643	5,746	5,840	5,928
						Supply-Side Direct Control Load											
2011	US	SUM	MAPP	MAPP	2a	Management (DCLM)	5	5	5	5	5	5	5	5	5	5	5
2011	US	SUM	MAPP	MAPP	2b	Supply-Side Contractually Interruptible (Curtailable)	10	10	10	10	10	10	10	10	10	10	10
2011	US	SUM	MAPP	MAPP	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	3	Net Internal Demand	4,641	4,693	4,904	5,024	5,135	5,406	5,461	5,543	5,643	5,735	5,821
2011	US	SUM	MAPP	MAPP	3a	Demand-Side Direct Control Load Management (DCLM)	82	84	86	88	90	92	94	96	98	100	102
2011	US	SUM	MAPP	MAPP	3b	Demand-Side Contractually Interruptible (Curtailable)	3	4	5	5	5	5	5	5	5	5	5
2011	US	SUM	МАРР	MAPP	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	3d	Demand-Side Load as a Capacity Resource	-	-	-	-	-	_	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	4	Total Controllable Demand Response	100	103	107	109	111	112	114	116	118	120	122
2011	US	SUM	MAPP	MAPP	4a	Demand Response used for Ancillary Services - Spinning Reserves	50	50	50	50	50	50	50	50	50	50	50
2011	US	SUM	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	SUM	MAPP	MAPP	4c	Demand Response used for Regulation	100	100	100	100	100	100	100	100	100	100	100

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

							Actual					Projected	d				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	116	CLINA	1.4.4.D.D.	144 DD	4.1	Demand Response used for Energy,											
	US	SUM	MAPP	MAPP	4d	Voluntary Services - Emergency											
	US	SUM	MAPP	MAPP	5	TOTAL INTERNAL CAPACITY	7,892	8,357	8,629	8,654	8,679	8,699	8,699	8,699	8,699	8,699	8,699
	US	SUM	MAPP	MAPP	6a	Existing-Certain	6,762	7,025	7,025	7,025	7,025	7,025	7,025	7,025	7,025	7,025	7,025
	US	SUM	MAPP	MAPP	6a1	Wind Expected On-Peak	243	251	251	251	251	251	251	251	251	251	251
2011	US	SUM	MAPP	MAPP	6a2	Solar Expected On-Peak	-	-	-					-	-		
2011	US	SUM	MAPP	MAPP	6a3	Hydro Expected On-Peak	2,191	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193
2011	US	SUM	MAPP	MAPP	6a4	Biomass Expected On-Peak	3	3	3	3	3	3	3	3	3	3	3
2011	US	SUM	MAPP	MAPP	6b	Existing-Other	<u>-</u>			-	-	-	-	-	<u>-</u>	-	-
2011	US	SUM	MAPP	MAPP	6b1	Wind Derate On-Peak	861	853	853	853	853	853	853	853	853	853	853
2011	US	SUM	MAPP	MAPP	6b2	Solar Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	6b3	Hydro Derate On-Peak	164	164	164	164	164	164	164	164	164	164	164
2011	US	SUM	MAPP	MAPP	6b4	Biomass Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	6b5	Transmission-Limited Resources	-		-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	6b6	All Other Derates	23	22	22	22	22	22	22	22	22	22	22
2011	US	SUM	MAPP	MAPP	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
						Unplanned Outages (Actual) / Current and											
2011	US	SUM	MAPP	MAPP	6c	Future Inoperable Resources				-				-	-		
2011	US	SUM	MAPP	MAPP	6d	Total Supply-Side Demand Response	16	16	16	16	16	16	16	16	16	16	16
2011	US	SUM	MAPP	MAPP	7	TOTAL FUTURE CAPACITY ADDITIONS		294	514	539	564	584	584	584	584	584	584
2011	US	SUM	MAPP	MAPP	7a	Future-Planned		294	514	539	564	584	584	584	584	584	584
2011	US	SUM	MAPP	MAPP	7a1	Wind Expected On-Peak		-		-		-				-	-
2011	US	SUM	MAPP	MAPP	7a2	Wind Derate On-Peak		<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-
2011	US	SUM	MAPP	MAPP	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7a5	Hydro Expected On-Peak		-	_	-	<u>-</u>	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7a9	Transmission-Limited Resources											
2011	US	SUM	MAPP	MAPP	7a10	Scheduled Outage - Maintenance		-	-	-	-		-	-	-		-

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

						_	Actual					Projected	l				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	MAPP	MAPP	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7a12	Energy-Only		-	52	52	52	52	52	52	52	52	52
2011	US	SUM	MAPP	MAPP	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b9	Transmission-Limited Resources											
2011	US	SUM	MAPP	MAPP	7b10	Scheduled Outage - Maintenance		-	-	-	-		-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8	Conceptual		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MAPP	MAPP	9	ANTICIPATED INTERNAL CAPACITY		7,335	7,554	7,579	7,604	7,624	7,624	7,624	7,624	7,624	7,624
2011	US	SUM	MAPP	MAPP	10	CAPACITY TRANSACTIONS - IMPORTS	115	217	307	313	319	312	314	316	318	318	318
2011	US	SUM	MAPP	MAPP	10a	Firm	115	217	307	313	319	312	314	316	318	318	318
2011	US	SUM	MAPP	MAPP	10a1	Full-Responsibility Purchases	70	72	17	19	21	24	26	28	30	10	10
						Owned Capacity/Entitlement Located											
2011	US	SUM	MAPP	MAPP	10a2	Outside the Region/Subregion	-	100	220	220	220	240	240	240	240	240	240
2011	US	SUM	MAPP	MAPP	10b	Non-firm											

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

							Actual					Projected	i				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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 EXISTING-CERTAIN & NET FIRM				-	-	-	-	-	<u>-</u>		
2011	US	SUM	MAPP	MAPP	12	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 ADJUSTED POTENTIAL CAPACITY			6,344	6,370	6,430	6,512	6,514	6,516	6,518	6,518	6,518
2011	US	SUM	MAPP	MAPP	16	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 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 5A.4. MISO summer historical and projected demand and capacity, data year 2011

						_	Actual					Projec	cted				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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)		<u>-</u>	-	<u>-</u>							
2011	US	SUM	MISO	MISO	1d	Stand-by Load Under Contract (Normally served by behind the meter generation) Non-Controllable Demand-Side Demand		<u> </u>	-	<u>-</u>	-			<u>-</u>	-	<u>-</u>	-
2011	US	SUM	MISO	MISO	1e	Response		339	339	569	723	826	910	981	1,054	1,130	1,208
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

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

D-4-						_	Actual					Proje	cted				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	MISO	MISO	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	4d	Demand Response used for Energy, Voluntary Services - Emergency	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	5	TOTAL INTERNAL CAPACITY	130,505	123,650	124,106	124,278	125,339	125,489	127,052	127,217	127,217	127,217	127,217
2011	US	SUM	MISO	MISO	6a	Existing-Certain	108,656	101,154	101,154	101,154	101,154	101,154	101,154	101,154	101,154	101,154	101,154
2011	US	SUM	MISO	MISO	6a1	Wind Expected On-Peak	4,364	563	563	563	563	563	563	563	563	563	563
2011	US	SUM	MISO	MISO	6a2	Solar Expected On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	6a3	Hydro Expected On-Peak	1,116	790	790	790	790	790	790	790	790	790	790
2011	US	SUM	MISO	MISO	6a4	Biomass Expected On-Peak	550	492	492	492	492	492	492	492	492	492	492
2011	US	SUM	MISO	MISO	6b	Existing-Other	11,120	11,536	11,536	11,536	11,536	11,536	11,536	11,536	11,536	11,536	11,536
2011	US	SUM	MISO	MISO	6b1	Wind Derate On-Peak	4,407	9,204	9,204	9,204	9,204	9,204	9,204	9,204	9,204	9,204	9,204
2011	US	SUM	MISO	MISO	6b2	Solar Derate On-Peak	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	6b3	Hydro Derate On-Peak	-	85	85	85	85	85	85	85	85	85	85
2011	US	SUM	MISO	MISO	6b4	Biomass Derate On-Peak	-	106	106	106	106	106	106	106	106	106	106
2011	US	SUM	MISO	MISO	6b5	Transmission-Limited Resources	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	6b6	All Other Derates	-	27	27	27	27	27	27	27	27	27	27
2011	US	SUM	MISO	MISO	6b7	Energy-Only (Existing-Other)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources	6,322	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588
2011	US	SUM	MISO	MISO	6d	Total Supply-Side Demand Response	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	7	TOTAL FUTURE CAPACITY ADDITIONS		(49)	205	338	1,399	1,520	3,083	3,107	3,107	3,107	3,107
2011	US	SUM	MISO	MISO	7a	Future-Planned		(27)	25	158	462	583	2,146	2,170	2,170	2,170	2,170
2011	US	SUM	MISO	MISO	7a1	Wind Expected On-Peak		-	35	42	42	47	47	71	71	71	71
2011	US	SUM	MISO	MISO	7a2	Wind Derate On-Peak		-	202	241	241	270	270	411	411	411	411
2011	US	SUM	MISO	MISO	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-

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

							Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	MISO	MISO	7a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7a8	Biomass Derate On-Peak		<u>-</u>	-	-	-	<u>-</u>	-	<u>-</u>	-	-	-
2011	US	SUM	MISO	MISO	7a9	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7a11	All Other Derates		-	-	-	-	(0)	(0)	(0)	(0)	(0)	(0)
2011	US	SUM	MISO	MISO	7a12	Energy-Only		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b	Future-Other		(21)	180	180	937	937	937	937	937	937	937
2011	US	SUM	MISO	MISO	7b1	Wind Expected On-Peak		-			-		-	-	-		-
2011	US	SUM	MISO	MISO	7b2	Wind Derate On-Peak		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b3	Solar Expected On-Peak		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b4	Solar Derate On-Peak		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b5	Hydro Expected On-Peak		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b8	Biomass Derate On-Peak		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b9	Resources							-	-	-		-
2011	US	SUM	MISO	MISO	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-		-
2011	US	SUM	MISO	MISO	7b11	All Other Derates		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	7b12	Energy-Only		-			-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8	Conceptual		-			-		-	-	-		-
2011	US	SUM	MISO	MISO	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8a3	Solar Expected On-Peak		-		-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8a4	Solar Derate On-Peak		-		-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8a5	Hydro Expected On-Peak		-		-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-		-
2011	US	SUM	MISO	MISO	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8a8	Biomass Derate On-Peak		-	-		-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	8a9	All Other Derates		-			-		-	-	-		-

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

D-1-						_	Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	MISO	MISO	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	9	ANTICIPATED INTERNAL CAPACITY		104,397	104,450	104,582	104,886	105,007	106,570	106,595	106,595	106,595	106,595
2011	US	SUM	MISO	MISO	10	CAPACITY TRANSACTIONS - IMPORTS	6,609	3,557	3,557	3,557	3,557	3,557	3,557	3,557	3,557	3,557	3,557
2011	US	SUM	MISO	MISO	10a	Firm	4,357	3,557	3,557	3,557	3,557	3,557	3,557	3,557	3,557	3,557	3,557
2011	US	SUM	MISO	MISO	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
						Owned Capacity/Entitlement Located Outside the											
2011	US	SUM	MISO	MISO	10a2	Region/Subregion	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	MISO	MISO	10b	Non-firm	2,252										
2011	US	SUM	MISO	MISO	10c	Expected		-	-	-	-	<u>-</u>	-	-	<u>-</u>	-	-
2011	US	SUM	MISO	MISO	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	HS	SUM	MISO	MISO	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion											
2011		SUM		MISO	11	TRANSACTIONS -	1,561										
2011		SUM		MISO	11a	Firm	1,396	-		-	-				-	-	-
2011	US	SUM	MISO	MISO	11a1	Full-Responsibility Purchases	-	-	-	-	-	-		-	-	-	-
2011	US	SUM	MISO	MISO	11a2	Capacity/Entitlement Located Outside the	-	-	-	<u>-</u>	-	-	-		-	-	-
2011	US	SUM	MISO	MISO	11b	Non-firm	165										
2011	US	SUM	MISO	MISO	11c	Expected		-	-	-	-	-	-	-	-	-	-

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

						_	Actual					Projecto	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
						Full-Responsibility											
2011	US	SUM	MISO	MISO	11c1	Purchases		-	-	-	-	-	-	-	-	-	-
						Capacity/Entitlement											
2011	US	SUM	MISO	MISO	11c2	Located Outside the					-	-				-	
						EXISTING-CERTAIN & NET											
2011	US	SUM	MISO	MISO	12	FIRM TRANSACTIONS	115,140	107,982	107,982	107,982	107,982	107,982	107,982	107,982	107,982	107,982	107,982
						ANTICIPATED CAPACITY											
2011	US	SUM	MISO	MISO	13	RESOURCES		107,982	108,007	108,139	108,443	108,564	110,127	110,152	110,152	110,152	110,152
						PROSPECTIVE CAPACITY											
2011	US	SUM	MISO	MISO	14	RESOURCES			119,723	119,855	120,916	121,037	122,600	122,624	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	122,624
						ADJUSTED POTENTIAL											
2011	US	SUM	MISO	MISO	16	CAPACITY RESOURCES			119,903	120,036	121,853	121,974	123,537	123,561	123,561	123,561	123,561
2011	US	SUM	MISO	MISO	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
						Resources After Confidence											
2011	US	SUM	MISO	MISO	16b	Percentage Is Applied			180	180	937	937	937	937	937	937	937
2011	US	SUM	MISO	MISO	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
2011			IVIISO	141130	100	After Confidence			<u>-</u>	1	<u>-</u>			<u>-</u>	<u>1</u>	<u>-</u>	
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."

Form EIA-411 2011

Released: January 2013

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	РЈМ	РЈМ	1	Unrestricted Non-coincident Peak Demand		160,770	163,517	167,391	170,927	173,272	175,005	176,687	178,695	180,931	182,655
2011	US	SUM	PJM	РЈМ	1a	New Conservation (Energy Efficiency)		581	728	804	804	804	804	804	804	804	804
2011	US	SUM	РЈМ	РЈМ	1b	Estimated Diversity		6,407	6,535	6,745	6,955	6,777	6,768	6,851	7,031	7,334	7,213
2011	US	SUM	РЈМ	РЈМ	1c	Additions for non-member load (load served by non-registered LSE's in a region)				<u>-</u>	-	-	<u>-</u>	-	<u>-</u>	-	<u>-</u>
2011	US	SUM	PJM	РЈМ	1d	Stand-by Load Under Contract (Normally served by behind the meter generation) Non-Controllable Demand-Side Demand				<u>-</u>	-	-	<u>-</u>	-	<u>-</u>	-	-
2011	US	SUM	PJM	PJM	1e	Response				-	-	-		-		-	
2011	US	SUM	PJM	PJM	2	Total Internal Demand Supply-Side Direct Control Load	158,043	153,782	156,254	159,842	163,168	165,691	167,433	169,032	170,860	172,793	174,638
2011	US	SUM	PJM	PJM	2a	Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	3	Net Internal Demand	146,443	142,782	145,254	146,642	149,968	152,491	154,233	155,832	157,660	159,593	161,438
2011	US	SUM	РЈМ	РЈМ	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	SUM	РЈМ	РЈМ	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	SUM	РЈМ	РЈМ	3с	Demand-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	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	SUM	PJM	РЈМ	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 5A.5. PJM summer historical and projected demand and capacity, data year 2011 (cont.) megawatts

Data Year	Country																
		Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
						Demand Response used for Ancillary											
2011	US	SUM	РЈМ	PJM	4a	Services - Spinning Reserves				-	-	-	-	-	-	-	
2011	US	SUM	PJM	РЈМ	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	4c	Demand Response used for Regulation				-	_	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	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	РЈМ	РЈМ	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	РЈМ	РЈМ	6a1	Wind Expected On-Peak	670	711	711	711	711	711	711	711	711	711	711
2011	US	SUM	РЈМ	РЈМ	6a2	Solar Expected On-Peak	12	42	42	42	42	42	42	42	42	42	42
2011	US	SUM	PJM	РЈМ	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	РЈМ	6a4	Biomass Expected On-Peak	879	943	943	943	943	943	943	943	943	943	943
2011	US	SUM	PJM	РЈМ	6b	Existing-Other	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	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	РЈМ	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	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	РЈМ	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources				-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	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	РЈМ	7a	Future-Planned		-	(758)	238	(5,167)	(4,819)	(4,819)	(4,812)	(3,242)	(3,242)	(3,242)
2011	US	SUM	РЈМ	РЈМ	7a1	Wind Expected On-Peak		-	203	276	276	366	366	366	366	366	366
2011	US	SUM	PJM	РЈМ	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.)

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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	РЈМ	РЈМ	7a4	Solar Derate On-Peak		-	28	28	28	28	28	40	40	40	40
2011	US	SUM	РЈМ	РЈМ	7a5	Hydro Expected On-Peak		-	-	112	112	112	112	112	112	112	112
2011	US	SUM	РЈМ	РЈМ	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	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	РЈМ	PJM	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	PJM	7a11	All Other Derates		-	56	112	168	224	279	360	441	521	602
2011	US	SUM	РЈМ	PJM	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	PJM	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	PJM	7b9	Transmission-Limited Resources											
2011	US	SUM	РЈМ	РЈМ	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	PJM	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	PJM	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	8	Conceptual		-	4,853	8,667	28,417	37,729	46,278	50,570	50,570	50,570	50,570
2011	US	SUM	РЈМ	РЈМ	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	РЈМ	РЈМ	8a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	8a3	Solar Expected On-Peak		-	526	672	1,225	1,227	1,255	1,278	1,278	1,278	1,278
2011	US	SUM	РЈМ	РЈМ	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	8a5	Hydro Expected On-Peak		-	42	109	200	200	200	200	200	200	200
2011	US	SUM	РЈМ	РЈМ	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	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		-	-	-	-	-	-	-	-	-	-

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

υaτa							Actual					Projected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	PJM	PJM	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	9	ANTICIPATED INTERNAL CAPACITY		185,424	184,665	185,662	180,256	180,604	180,604	180,612	182,182	182,182	182,182
2011	US	SUM	РЈМ	РЈМ	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	SUM	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	SUM	PJM	PJM	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion				-		-	-	-		-	
2011	US	SUM	PJM	PJM	10b	Non-firm											
2011	US	SUM	РЈМ	PJM	10c	Expected			-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	10c1	Full-Responsibility Purchases			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	РЈМ	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	SUM	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	SUM	РЈМ	РЈМ	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	SUM	РЈМ	РЈМ	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	SUM	РЈМ	РЈМ	11a2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
2011	US	SUM	PJM	PJM	11b	Non-firm											

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	РЈМ	РЈМ	11c	Expected			-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	11c1	Full-Responsibility Purchases			-	-		-	-	-	-	-	-
2011	US	SUM	PJM	PJM	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion			-	-	-	-	-	-	-	-	-
						EXISTING-CERTAIN & NET FIRM											
2011	US	SUM	PJM	PJM	12	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		180,473	180,821	180,821	180,829	182,399	182,399	182,399
2011	US	SUM	РЈМ	РЈМ	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	РЈМ	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	РЈМ	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	РЈМ	РЈМ	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	РЈМ	РЈМ	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	РЈМ	РЈМ	16c	Confidence of Conceptual			0	0	0	0	0	0	0	0	0
2011	US	SUM	РЈМ	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 5A.6. SERC summer historical and projected demand and capacity, data year 2011

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2014	116	SUN4	CEDC	SED S E	4	Unrestricted Non-coincident Peak		42.460	42.740	44.547	45.465	45.042	46 474	47.024	47.740	40.420	40.227
2011	US	SUM	SERC	SERC-E	1	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

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	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	SUM	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	SUM	SERC	SERC-E	4c	Demand Response used for Regulation	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	4d	Demand Response used for Energy, Voluntary Services - Emergency	699	763	786	789	793	797	801	805	810	814	814
2011	US	SUM	SERC	SERC-E	5	TOTAL INTERNAL CAPACITY	49,664	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	6a	Existing-Certain	49,664	48,218	48,218	48,218	48,218	48,218	48,218	48,218	48,218	48,218	48,218
2011	US	SUM	SERC	SERC-E	6a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6a2	Solar Expected On-Peak		23	23	23	23	23	23	23	23	23	23
2011	US	SUM	SERC	SERC-E	6a3	Hydro Expected On-Peak		3,087	3,087	3,087	3,087	3,087	3,087	3,087	3,087	3,087	3,087
2011	US	SUM	SERC	SERC-E	6a4	Biomass Expected On-Peak		77	77	77	77	77	77	77	77	77	77
2011	US	SUM	SERC	SERC-E	6b	Existing-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6b1	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6b6	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	7	TOTAL FUTURE CAPACITY ADDITIONS		25	3,167	3,792	3,792	4,909	4,909	4,909	6,202	6,478	7,106
2011	US	SUM	SERC	SERC-E	7a	Future-Planned		25	3,167	3,792	3,792	4,909	4,909	4,909	6,202	6,478	7,106
2011	US	SUM	SERC	SERC-E	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-

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

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

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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	116	CUNA	CEDG	CEDO E	40	CAPACITY TRANSACTIONS -	020	4 020	4.002	045	045	745	700	760	050	050	050
2011	US	SUM	SERC	SERC-E	10	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 Owned Capacity/Entitlement Located Outside the	-			-		-		-	-		
2011	US	SUM	SERC	SERC-E	10a2	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		<u>-</u>	-	-	-	<u>-</u>	-	-	-	-	-
2011	US	SUM	SERC	SERC-E	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		<u>-</u>	-	<u>-</u>	-	-	-	<u>-</u>	<u>-</u>	-	-
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	uc	CUMA	CEDG	CEDC E	11-2	Owned Capacity/Entitlement Located Outside the											
2011	US US	SUM SUM	SERC	SERC-E	11a2	Region/Subregion	-	-	-	-	-			-		-	-
2011	US US		SERC	SERC-E	11b	Non-firm	-										
2011		SUM	SERC	SERC-E	11c	Expected		-	-	-	-	-		-		-	
2011	US	SUM	SERC SERC	SERC-E SERC-E	11c1 11c2	Full-Responsibility Purchases 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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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 New Conservation (Energy		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	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) Supply-Side Contractually				-	-	-	-		-	-	-
2011	US	SUM	SERC	SERC-N	2b	Interruptible (Curtailable) Supply-Side Critical Peak-Pricing				-	-	-	-		-	-	-
2011	US	SUM	SERC	SERC-N	2c	(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

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-N	3a	Demand-Side Direct Control Load Management (DCLM)	129	69	194	204	221	118	182	134	268	278	133
2011	US	SUM	SERC	SERC-N	3b	Demand-Side Contractually Interruptible (Curtailable)	10	944	992	1,000	1,003	1,003	1,003	1,003	1,003	1,003	1,003
2011	US	SUM	SERC	SERC-N	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	3d	Demand-Side Load as a Capacity Resource	-	412	756	951	1,127	1,316	1,488	1,647	1,775	1,934	2,042
2011	US	SUM	SERC	SERC-N	4	Total Controllable Demand Response	139	1,425	1,942	2,155	2,351	2,437	2,673	2,784	3,046	3,215	3,178
2011	US	SUM	SERC	SERC-N	4a	Demand Response used for Ancillary Services - Spinning Reserves				<u>-</u>	<u>-</u>	<u>-</u>	-	<u>-</u>	-	<u>-</u>	-
2011	US	SUM	SERC	SERC-N	4b	Demand Response used for Ancillary Services - Non-Spinning Reserves				-	-	-	-	-	-	-	
2011	US	SUM	SERC	SERC-N	4c	Demand Response used for Regulation				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	4d	Demand Response used for Energy, Voluntary Services - Emergency				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	5	TOTAL INTERNAL CAPACITY	54,748	58,032	58,032	59,154	59,154	59,154	59,154	59,154	59,154	60,414	60,414
2011	US	SUM	SERC	SERC-N	6a	Existing-Certain	54,748	53,084	53,084	53,084	53,084	53,084	53,084	53,084	53,084	53,084	53,084
2011	US	SUM	SERC	SERC-N	6a1	Wind Expected On-Peak		28	28	28	28	28	28	28	28	28	28
2011	US	SUM	SERC	SERC-N	6a2	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	6a3	Hydro Expected On-Peak		5,325	5,325	5,325	5,325	5,325	5,325	5,325	5,325	5,325	5,325
2011	US	SUM	SERC	SERC-N	6a4	Biomass Expected On-Peak		17	17	17	17	17	17	17	17	17	17
2011	US	SUM	SERC	SERC-N	6b	Existing-Other		3,919	3,919	3,919	3,919	3,919	3,919	3,919	3,919	3,919	3,919
2011	US	SUM	SERC	SERC-N	6b1	Wind Derate On-Peak		152	152	152	152	152	152	152	152	152	152
2011	US	SUM	SERC	SERC-N	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	6b6	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-

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

						_	Actual					Projected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-N	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	<u>-</u>	-	<u>-</u>	<u>-</u>	<u>-</u>	_	_
2011	US	SUM	SERC	SERC-N	6d	Total Supply-Side Demand Response	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7	TOTAL FUTURE CAPACITY ADDITIONS		878	878	2,000	2,000	2,000	2,000	2,000	2,000	3,260	3,260
2011	US	SUM	SERC	SERC-N	7a	Future-Planned		878	878	2,000	2,000	2,000	2,000	2,000	2,000	3,260	3,260
2011	US	SUM	SERC	SERC-N	7a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a8	Biomass Derate On-Peak		-		-	<u>-</u>	-	-	-	-		-
2011	US	SUM	SERC	SERC-N	7a9	Transmission-Limited Resources											
2011	US	SUM	SERC	SERC-N	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7b3	Solar Expected On-Peak		-	-		-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-

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

							Actual					Projected					
Vata Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	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	56,344
						CAPACITY TRANSACTIONS -											
2011	US	SUM	SERC	SERC-N	10	IMPORTS	415	1,275	1,640	1,640	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	307	307

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

υaτa						_	Actual					Projected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-N	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	_	_	_	_	_	_	_	-	_
2011	US	SUM	SERC	SERC-N	10b	Non-firm	365										
2011	US	SUM	SERC	SERC-N	10c	Expected		1,012	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333
2011	US	SUM	SERC	SERC-N	10c1	Full-Responsibility Purchases				-		-					
2011	US	SUM	SERC	SERC-N	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	11	CAPACITY TRANSACTIONS - EXPORTS	1,488	1,568	1,582	1,582	1,582	1,582	1,582	1,582	1,582	1,582	1,582
2011	US	SUM	SERC	SERC-N	11a	Firm	1,332	1,412	1,426	1,426	1,426	1,426	1,426	1,426	1,426	1,426	1,426
2011	US	SUM	SERC	SERC-N	11a1	Full-Responsibility Purchases	-	-	-	-		-			-		
2011	US	SUM	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	SUM	SERC	SERC-N	11b	Non-firm	156										
2011	US	SUM	SERC	SERC-N	11c	Expected		156	156	156	156	156	156	156	156	156	156
2011	US	SUM	SERC	SERC-N	11c1	Full-Responsibility Purchases				-		-					
2011	US	SUM	SERC	SERC-N	11c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	<u>-</u>	-	-	-	-
2011	US	SUM	SERC	SERC-N	12	EXISTING-CERTAIN & NET FIRM TRANSACTIONS	53,466	51,935	51,965	51,965	51,965	51,965	51,965	51,965	51,965	51,965	51,965
2011	US	SUM	SERC	SERC-N	13	ANTICIPATED CAPACITY RESOURCES		51,935	54,020	55,142	55,142	55,142	55,142	55,142	55,142	56,402	56,402
2011	US	SUM	SERC	SERC-N	14	PROSPECTIVE CAPACITY RESOURCES			57,939	59,061	59,061	59,061	59,061	59,061	59,061	60,321	60,321
2011	US	SUM	SERC	SERC-N	15	TOTAL POTENTIAL CAPACITY RESOURCES			57,939	59,061	59,061	60,706	60,891	61,671	62,451	63,711	64,491
2011	US	SUM	SERC	SERC-N	16	ADJUSTED POTENTIAL CAPACITY RESOURCES			57,939	59,061	59,061	60,706	60,891	61,671	62,451	63,711	64,491
2011	US	SUM	SERC	SERC-N	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
2011	US	SUM	SERC	SERC-N	16b	Net Future-Other Resources After Confidence Percentage Is Applied			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-N	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
						Net Conceptual Resources After											
2011	US	SUM	SERC	SERC-N	16d	Confidence Percentage Is Applied						1,645	1,830	2,610	3,390	3,390	4,170
2011	US	SUM	SERC	SERC-SE	1	Unrestricted Non-coincident Peak Demand		48,895	49,799	50,838	51,431	52,045	52,789	53,256	53,948	54,645	55,600
2011	US	SUM	SERC	SERC-SE	1a	New Conservation (Energy Efficiency)		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	1b	Estimated Diversity		-		-	-	-		-	-	-	-
2011	US	SUM	SERC	SERC-SE	1c	Additions for non-member load (load served by non-registered LSE's in a region)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	1d	Stand-by Load Under Contract (Normally served by behind the meter generation)	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	2	Total Internal Demand	50,309	48,895	49,799	50,838	51,431	52,045	52,789	53,256	53,948	54,645	55,600
2011	US	SUM	SERC	SERC-SE	2a	Supply-Side Direct Control Load Management (DCLM)				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	2b	Supply-Side Contractually Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	2c	Supply-Side Critical Peak-Pricing (CPP) with Control				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	2d	Supply-Side Load as a Capacity Resource				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	3	Net Internal Demand	48,621	47,120	47,900	48,738	49,227	49,823	50,551	51,023	51,707	52,396	53,343
2011	US	SUM	SERC	SERC-SE	3a	Demand-Side Direct Control Load Management (DCLM)	358	468	626	825	848	863	877	886	892	899	907
2011	US	SUM	SERC	SERC-SE	3b	Demand-Side Contractually Interruptible (Curtailable)	1,238	1,205	1,188	1,188	1,267	1,267	1,267	1,252	1,252	1,252	1,252
2011	US	SUM	SERC	SERC-SE	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	3d	Demand-Side Load as a Capacity Resource	92	102	85	87	89	92	94	95	97	98	98
2011	US	SUM	SERC	SERC-SE	4	Total Controllable Demand Response	1,688	1,775	1,899	2,100	2,204	2,222	2,238	2,233	2,241	2,249	2,257
2011	US	SUM	SERC	SERC-SE	4a	Demand Response used for Ancillary Services - Spinning Reserves	-	-	-	-	-	-	-	-	-	-	-

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
						Demand Response used for Ancillary											
2011	US	SUM	SERC	SERC-SE	4b	Services - Non-Spinning Reserves Demand Response used for											
2011	US	SUM	SERC	SERC-SE	4c	Regulation	-	-	-	-	-	-	-		-		
2011	US	SUM	SERC	SERC-SE	4d	Demand Response used for Energy, Voluntary Services - Emergency	-	236	236	236	236	236	236	236	236	236	236
2011	US	SUM	SERC	SERC-SE	5	TOTAL INTERNAL CAPACITY	69,162	63,578	64,419	65,004	65,004	66,200	67,300	67,300	67,300	67,300	67,300
2011	US	SUM	SERC	SERC-SE	6a	Existing-Certain	69,162	62,312	62,312	62,312	62,312	62,312	62,312	62,312	62,312	62,312	62,312
2011	US	SUM	SERC	SERC-SE	6a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	6a2	Solar Expected On-Peak		4	4	4	4	4	4	4	4	4	4
2011	US	SUM	SERC	SERC-SE	6a3	Hydro Expected On-Peak		3,360	3,360	3,360	3,360	3,360	3,360	3,360	3,360	3,360	3,360
2011	US	SUM	SERC	SERC-SE	6a4	Biomass Expected On-Peak		17	17	17	17	17	17	17	17	17	17
2011	US	SUM	SERC	SERC-SE	6b	Existing-Other		300	300	300	300	300	300	300	300	300	300
2011	US	SUM	SERC	SERC-SE	6b1	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	6b5	Transmission-Limited Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	6b6	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	6b7	Energy-Only (Existing-Other)		-	-	-	-	-	-	-	-	-	-
						Unplanned Outages (Actual) / Current and Future Inoperable											
2011	US	SUM	SERC	SERC-SE	6c	Resources				-	-				-	- 	-
2011	US	SUM	SERC	SERC-SE	6d	Total Supply-Side Demand Response	-	-	-	-	-	-		-	-	-	-
2011	US	SUM	SERC	SERC-SE	7	TOTAL FUTURE CAPACITY ADDITIONS		966	1,807	2,392	2,392	3,588	4,688	4,688	4,688	4,688	4,688
2011	US	SUM	SERC	SERC-SE	7a	Future-Planned		966	1,807	2,392	2,392	3,588	4,688	4,688	4,688	4,688	4,688
2011	US	SUM	SERC	SERC-SE	7a1	Wind Expected On-Peak				-	-	-			-		

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

						_	Actual					Projected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-SE	7a2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a7	Biomass Expected On-Peak		50	50	50	50	146	146	146	146	146	146
2011	US	SUM	SERC	SERC-SE	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a9	Transmission-Limited Resources											
2011	US	SUM	SERC	SERC-SE	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a11	All Other Derates		-	-	-	-	-		-	-	-	-
2011	US	SUM	SERC	SERC-SE	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b9	Transmission-Limited Resources											
2011	US	SUM	SERC	SERC-SE	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b11	All Other Derates			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-SE	8	Conceptual		36	142	242	242	242	242	242	242	430	430

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

Year Count 2011 US 2011 US	, 		rea	Subarea													
	SUN			••••	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 US		∕I SE	ERC	SERC-SE	8a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
	SUN	Л SE	ERC	SERC-SE	8a2	Wind Derate On-Peak		-	-	-		-	-	-	-	-	-
2011 US	SUN	Λ SE	ERC	SERC-SE	8a3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Л SE	ERC	SERC-SE	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Λ SE	ERC	SERC-SE	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Λ SE	ERC	SERC-SE	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Л SE	ERC	SERC-SE	8a7	Biomass Expected On-Peak		-	106	206	206	206	206	206	206	206	206
2011 US	SUN	Λ SE	ERC	SERC-SE	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Λ SE	ERC	SERC-SE	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Л SE	ERC	SERC-SE	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	∕I SE	ERC	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	SUN	И SE	ERC	SERC-SE	10	CAPACITY TRANSACTIONS - IMPORTS	732	1,150	850	900	900	825	825	825	825	825	546
2011 US	SUN	Л SE	ERC	SERC-SE	10a	Firm	732	1,150	850	900	900	825	825	825	825	825	546
2011 US	SUN	Л SE	ERC	SERC-SE	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Л SE	ERC	SERC-SE	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	125	143	143	143	143	143	143	143	143	143	143
2011 US	SUN	Л SE	ERC	SERC-SE	10b	Non-firm	-										
2011 US	SUN	Л SE	ERC	SERC-SE	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Λ SE	ERC	SERC-SE	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Л SE	ERC	SERC-SE	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	-	-	-	-	-	-	-	-	-
2011 US	SUN	Л SE	ERC	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	SUN	Л SE	ERC	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.)

υaτa						_	Actual					Projected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-SE	11a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
						Owned Capacity/Entitlement											
2011	US	SUM	SERC	SERC-SE	11a2	Located Outside the Region/Subregion	_	_	_	_	_	_	_	_	_	_	_
2011	US	SUM	SERC	SERC-SE	11b	Non-firm	-										
2011	US	SUM	SERC	SERC-SE	11c	Expected									-		
2011	US	SUM	SERC	SERC-SE	11c1	Full-Responsibility Purchases		-			-	-	-	-	-	-	-
						Owned Capacity/Entitlement											
						Located Outside the											
2011	US	SUM	SERC	SERC-SE	11c2	Region/Subregion		-	-	-	-	-	<u>-</u>	-	-	-	<u>-</u>
2011	uc	CLINA	CEDC	CEDC CE	12	EXISTING-CERTAIN & NET FIRM	67.046	CO 002	CO 200	CO FOO	CO F24	C1 720	C1 F00	C1 F01	C1 4CC	61.447	C1 1C0
2011	US	SUM	SERC	SERC-SE	12	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	13	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	14	PROSPECTIVE CAPACITY RESOURCES			62,407	63,201	63,213	65,626	66,578	66,569	66,454	66,435	66,148
2014		CU15.4	CEDO.	CEDO CE	4-	TOTAL POTENTIAL CAPACITY			62.540	62.442	62.456	65.060		66.040		66.065	66.570
2011	US	SUM	SERC	SERC-SE	15	RESOURCES ADJUSTED POTENTIAL CAPACITY			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	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	16a	Confidence of Future-Other			1	1	1	1	1	1	1	1	1
						Net Cuture Other Deservoir After											
2011	US	SUM	SERC	SERC-SE	16b	Net Future-Other Resources After Confidence Percentage Is Applied			_	_	_	_	_	_	_	_	_
2011	US	SUM	SERC	SERC-SE	16c	Confidence of Conceptual			1	1	1	1	1	1	1	1	1
						Net Conceptual Resources After											
2011	US	SUM	SERC	SERC-SE	16d	Confidence Percentage Is Applied			142	242	242	242	242	242	242	430	430
						Unrestricted Non-coincident Peak											
2011	US	SUM	SERC	SERC-W	1	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.)

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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) Supply-Side Contractually				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	2b	Interruptible (Curtailable)				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	2c	Supply-Side Critical Peak-Pricing (CPP) with Control Supply-Side Load as a Capacity				-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	2d	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

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

						_	Actual					Projected					
Vata Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-W	6a	Existing-Certain	34,292	34,175	34,175	34,175	34,175	34,175	34,175	34,175	34,175	34,175	34,175
2011	US	SUM	SERC	SERC-W	6a1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6a2	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6a3	Hydro Expected On-Peak		311	311	311	311	311	311	311	311	311	311
2011	US	SUM	SERC	SERC-W	6a4	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6b	Existing-Other		4,519	4,519	4,519	4,519	4,519	4,519	4,519	4,519	4,519	4,519
2011	US	SUM	SERC	SERC-W	6b1	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6b2	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6b3	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6b4	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6b5	Transmission-Limited Resources			_	-	_	-	_	_	_	_	_
2011	US	SUM	SERC	SERC-W	6b6	All Other Derates								-			
2011	US	SUM	SERC	SERC-W	6b7	Energy-Only (Existing-Other)						-		-	-	-	
2011	US	SUM	SERC	SERC-W	6c	Unplanned Outages (Actual) / Current and Future Inoperable Resources			-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	6d	Total Supply-Side Demand Response	-	-	-	-	_	-	-	-	-	-	-
2011	US	SUM	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	SUM	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	SUM	SERC	SERC-W	7a1	Wind Expected On-Peak						-		-	-	-	-
2011	US	SUM	SERC	SERC-W	7a2	Wind Derate On-Peak			-	-	-	-		-	-	-	-
2011	US	SUM	SERC	SERC-W	7a3	Solar Expected On-Peak				-		-		-	-	-	-
2011	US	SUM	SERC	SERC-W	7a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-

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

υaτa						_	Actual					rojected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	SERC	SERC-W	7a5	Hydro Expected On-Peak		-	-	-	27	27	27	27	27	27	27
2011	US	SUM	SERC	SERC-W	7a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7a7	Biomass Expected On-Peak		-	-	50	50	50	50	50	50	50	50
2011	US	SUM	SERC	SERC-W	7a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7a9	Transmission-Limited Resources											
2011	US	SUM	SERC	SERC-W	7a10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7a11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7a12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b	Future-Other		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b1	Wind Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b3	Solar Expected On-Peak		-			-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b4	Solar Derate On-Peak		-			-		-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b5	Hydro Expected On-Peak		-			-		-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b6	Hydro Derate On-Peak		-		<u>-</u>	-		-	- 	-	-	-
2011	US	SUM	SERC	SERC-W	7b7	Biomass Expected On-Peak		-		-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b9	Transmission-Limited Resources											
2011	US	SUM	SERC	SERC-W	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	SERC	SERC-W	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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
						CAPACITY TRANSACTIONS -											
2011	US	SUM	SERC	SERC-W	10	IMPORTS	155	180	50	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	50
2011	US	SUM	SERC	SERC-W	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
						Owned Capacity/Entitlement Located Outside the											
2011	US	SUM	SERC	SERC-W	10a2	Region/Subregion	50	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		-	<u>-</u>	-	-	-	-	-	-	-	-
						Owned Capacity/Entitlement Located Outside the											
2011	US	SUM	SERC	SERC-W	10c2	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	1,671	1,392

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

						_	Actual					Projected					
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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
						Owned Capacity/Entitlement Located Outside the											
2011	US	SUM	SERC	SERC-W	11a2	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		-	-	-	-	-	-	-	-	-	-
						Owned Capacity/Entitlement Located Outside the											
2011	US	SUM	SERC	SERC-W	11c2	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 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 5A.7. SPP summer historical and projected demand and capacity, data year 2011

						_	Actual					Projecte	d				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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
												<u>-</u>			<u>-</u>		
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		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)		-	<u>-</u>	-	<u>-</u>	<u>-</u>	<u>-</u>	6	<u>-</u>	-	-
2011	US	SUM	SPP	SPP	1e	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

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

							Actual					Projecte	d				
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			-	-	-	-	<u>-</u>	-	-	-	-

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

						_	Actual					Projecte	d				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	202
2011	US	SUM	SPP	SPP	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b9	Transmission-Limited Resources											
2011	US	SUM	SPP	SPP	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	8	Conceptual		-	1,045	1,105	1,196	1,200	1,181	1,183	1,354	1,575	1,57
2011	US	SUM	SPP	SPP	8a1	Wind Expected On-Peak			1,045	1,105	1,193	1,197	1,200	1,202	1,205	1,216	1,21
2011	US	SUM	SPP	SPP	8a2	Wind Derate On-Peak			10,453	11,054	11,934	12,054	12,154	12,234	12,304	12,684	12,68
2011	US	SUM	SPP	SPP	8a3	Solar Expected On-Peak		-	-	-	3	3	3	3	3	3	
2011	US	SUM	SPP	SPP	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	8a9	All Other Derates		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	
2011	US	SUM	SPP	SPP	9	ANTICIPATED INTERNAL CAPACITY		64,656	65,477	66,036	65,877	65,723	66,549	66,540	66,567	67,093	67,31
2011	US	SUM	SPP	SPP	10	CAPACITY TRANSACTIONS - IMPORTS	2,058	2,335	2,247	2,408	2,408	2,408	2,458	2,458	2,488	2,488	2,48
2011	US	SUM	SPP	SPP	10a	Firm	2,058	2,335	2,247	2,408	2,408	2,408	2,458	2,458	2,488	2,488	2,48
2011	US	SUM	SPP	SPP	10a1	Full-Responsibility Purchases	1,872	1,940	1,852	2,013	2,013	2,013	2,063	2,063	2,093	2,093	2,09
2011	US	SUM	SPP	SPP	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	186	395	395	395	395	395	395	395	395	395	39
2011	US	SUM	SPP	SPP	10b	Non-firm											

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

megawatts

						_	Actual					Projecte	d				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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 Owned Capacity/Entitlement Located Outside			-	-	-	-	-	-	-	-	-
2011	US	SUM	SPP	SPP	11c2	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				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 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 5A.8. TRE summer historical and projected demand and capacity, data year 2011

						-	Actual					Projected	ł				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	uc	CLINA	TDE	FRCOT	1	Unrestricted Non-coincident Peak		CC 105	67.160	70.007	72 552	76 001	77.506	70.010	70 411	04 202	02.761
2011	US	SUM	TRE	ERCOT	1	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				-	-	-		-	-	-	
						Additions for non-member load (load											
						served by non-registered LSE's in a											
2011	US	SUM	TRE	ERCOT	1c	region)				-	-	-	-	-	-	-	-
						Stand-by Load Under Contract											
						(Normally served by behind the meter											
2011	US	SUM	TRE	ERCOT	1d	generation)				-	-	-	-	-	-	-	-
						Non-Controllable Demand-Side											
2011	US	SUM	TRE	ERCOT	1e	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
						Supply-Side Direct Control Load											
2011	US	SUM	TRE	ERCOT	2a	Management (DCLM)				-	<u>-</u>	-	-	-			
						Supply-Side Contractually Interruptible											
2011	US	SUM	TRE	ERCOT	2b	(Curtailable)				-	-	-	-	-	-	-	
						Supply-Side Critical Peak-Pricing (CPP)											
2011	US	SUM	TRE	ERCOT	2c	with Control											
2011		6118.4	T 0.5	500 0	2.1	Supply-Side Load as a Capacity											
2011	US	SUM	TRE	ERCOT	2d	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
						Demand-Side Direct Control Load											
2011	US	SUM	TRE	ERCOT	3a	Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
						Demand-Side Contractually											
2011	US	SUM	TRE	ERCOT	3b	Interruptible (Curtailable)	-	585	393	432	476	523	575	633	696	766	842
						Demand-Side Critical Peak-Pricing (CPP)											
2011	US	SUM	TRE	ERCOT	3c	with Control	-	-	-	-	-	-	-	-	-	-	-
						Demand-Side Load as a Capacity											
2011	US	SUM	TRE	ERCOT	3d	Resource	-	886	886	886	886	886	886	886	886	886	886
2011	US	SUM	TRE	ERCOT	4	Total Controllable Demand Response	<u>-</u>	1,471	1,279	1,318	1,362	1,409	1,461	1,519	1,582	1,652	1,728
						Demand Response used for Ancillary											
2011	US	SUM	TRE	ERCOT	4a	Services - Spinning Reserves				_	-	_	_	_	_	_	

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

							Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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	-	-	-	-	-	-	-	<u>-</u>	- -
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.)

D						_	Actual					Projected	l				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	TRE	ERCOT	7b2	Wind Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b3	Solar Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b9	Transmission-Limited Resources											
2011	US	SUM	TRE	ERCOT	7b10	Scheduled Outage - Maintenance		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b11	All Other Derates		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	7b12	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	8	Conceptual		171	1,042	2,879	3,724	4,965	4,965	5,815	5,815	5,815	5,815
2011	US	SUM	TRE	ERCOT	8a1	Wind Expected On-Peak		82	377	989	1,194	1,224	1,224	1,224	1,224	1,224	1,224
2011	US	SUM	TRE	ERCOT	8a2	Wind Derate On-Peak		865	3,958	10,376	12,529	12,849	12,849	12,849	12,849	12,849	12,849
2011	US	SUM	TRE	ERCOT	8a3	Solar Expected On-Peak		-	260	441	481	481	481	481	481	481	481
2011	US	SUM	TRE	ERCOT	8a4	Solar Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	8a5	Hydro Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	8a6	Hydro Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	8a7	Biomass Expected On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	8a8	Biomass Derate On-Peak		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	8a9	All Other Derates		-	-	0	0	0	0	0	0	0	0
2011	US	SUM	TRE	ERCOT	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	TRE	ERCOT	9	ANTICIPATED INTERNAL CAPACITY		73,061	74,167	74,217	75,725	77,885	77,885	79,125	78,275	78,275	78,275
2011	US	SUM	TRE	ERCOT	10	CAPACITY TRANSACTIONS - IMPORTS	911	598	598	598	598	598	598	598	598	598	598
2011	US	SUM	TRE	ERCOT	10a	Firm	598	598	598	598	598	598	598	598	598	598	598
2011	US	SUM	TRE	ERCOT	10a1	Full-Responsibility Purchases	48	48	48	48	48	48	48	48	48	48	48
2011	US	SUM	TRE	ERCOT	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-		_	-	-			-	_	
2011	US	SUM	TRE	ERCOT	10b	Non-firm	313										

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

Data							Actual					Projected	l				
Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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			-	-	<u>-</u>	-	-	-	-	-	-
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 EXISTING-CERTAIN & NET FIRM			<u>-</u>	<u>-</u>	-	-	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	-
2011	US	SUM	TRE	ERCOT	12	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 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 5A.9. WECC summer historical and projected demand and capacity, data year 2011

					_	Actual					Projecte	ed				
Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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
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
US	SUM	WECC	WECC-US	1b	Estimated Diversity		-	-	-	-	-	-	-	-	-	-
US	SUM	WECC	WECC-US	1c	Additions for non-member load (load served by non-registered LSE's in a region)		-	-	-	-	-	-	-	-	-	-
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
US	SUM	WECC	WECC-US	1e	Non-Controllable Demand-Side Demand Response		-	-	-	-	-	-	-	-	-	-
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
US	SUM	WECC	WECC-US	2a	Supply-Side Direct Control Load Management (DCLM)	-	-	-	-	-	-	-	-	-	-	-
US	SUM	WECC	WECC-US	2b	Supply-Side Contractually Interruptible (Curtailable)	-	-	-	-	-	-	-	-	-	-	-
US	SUM	WECC	WECC-US	2c	Supply-Side Critical Peak-Pricing (CPP) with Control	-	-	-	-	-	-	-	-	-	-	-
US	SUM	WECC	WECC-US	2d	Supply-Side Load as a Capacity Resource	-	-	-	-	-	-	-	-	-	-	-
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
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
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
US	SUM	WECC	WECC-US	3c	Demand-Side Critical Peak-Pricing (CPP) with Control	-	2	7	12	13	14	15	15	16	16	16
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
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
	US U	US SUM	US SUM WECC US SUM WECC	US SUM WECC WECC-US US SUM WECC WECC-US	US SUM WECC WECC-US 1 US SUM WECC WECC-US 1a US SUM WECC WECC-US 1b US SUM WECC WECC-US 1c US SUM WECC WECC-US 1d US SUM WECC WECC-US 2 US SUM WECC WECC-US 2 US SUM WECC WECC-US 2b US SUM WECC WECC-US 2d US SUM WECC WECC-US 3 US SUM WECC WECC-US 3a US SUM WECC WECC-US 3b US SUM WECC WECC-US 3c US SUM WECC WECC-US 3d	US SUM WECC WECC-US 1 Demand US SUM WECC WECC-US 1a New Conservation (Energy Efficiency) US SUM WECC WECC-US 1b Estimated Diversity Additions for non-member load (load served by non-registered LSE's in a region) US SUM WECC WECC-US 1c region) US SUM WECC WECC-US 1d Stand-by Load Under Contract (Normally served by behind the meter generation) US SUM WECC WECC-US 1e Response US SUM WECC WECC-US 2 Total Internal Demand US SUM WECC WECC-US 2 Total Internal Demand US SUM WECC WECC-US 2 Supply-Side Direct Control Load Management (DCLM) US SUM WECC WECC-US 2b (Curtailable) US SUM WECC WECC-US 2c Supply-Side Critical Peak-Pricing (CPP) with Control US SUM WECC WECC-US 3 Net Internal Demand Demand-Side Critical Peak-Pricing (CPP) with Control Demand-Side Contractually Interruptible (Curtailable) Demand-Side Critical Peak-Pricing (CPP) with Control Demand-Side Contractually Interruptible (Curtailable)	Country Season Area Subarea Line# DESCRIPTION 2011 US SUM WECC WECC-US 1 Unrestricted Non-coincident Peak Demand US SUM WECC WECC-US 1a New Conservation (Energy Efficiency) US SUM WECC WECC-US 1b Estimated Diversity Additions for non-member load (load served by non-registered LSF's in a region) Stand-by Load Under Contract (Normally served by non-registered LSF's in a region) US SUM WECC WECC-US 1d Stand-by Load Under Contract (Normally served by behind the meter generation) US SUM WECC WECC-US 1e Non-Controllable Demand-Side Demand Response US SUM WECC WECC-US 2 Total Internal Demand 119,565 US SUM WECC WECC-US 2a Supply-Side Direct Control Load Management (DCLM) - US SUM WECC WECC-US 2b Supply-Side Contractually Interruptible (Curtailable) - US SUM WECC WECC-US 2d Supply-Side Contractually Interruptible (Curtailable) - US SUM WECC WECC-US 3a Net Internal Demand 117,755 US<	Country Season Area Subarea Line# DESCRIPTION 2011 2012 US SUM WECC WECC-US 1 Unrestricted Non-coincident Peak Demand 128,115 US SUM WECC WECC-US 1a New Conservation (Energy Efficiency) 525 US SUM WECC WECC-US 1b Estimated Diversity - US SUM WECC WECC-US 1c Additions for non-member load (load served by non-registered USE's in a region) - US SUM WECC WECC-US 1d Stand-by Load Under Contract (Normally served by behind the meter generation) 2,178 US SUM WECC WECC-US 1d Response - US SUM WECC WECC-US 2 Total Internal Demand 119,565 129,768 US SUM WECC WECC-US 2a Supply-Side Direct Control Load Management (DCLM) - - - US SUM WECC WECC-US 2d <td>Country Season Area Subarea Line# DESCRIPTION 2011 2012 2013 US SUM WECC WECC-US 1 Unrestricted Non-coincident Peak Demand 128,115 129,170 US SUM WECC WECC-US 1a New Conservation (Energy Efficiency) 525 1,150 US SUM WECC WECC-US 1b Estimated Diversity - - - US SUM WECC WECC-US 1c Stand-by Load Under Contract (Normally served by behind the meter generation) 2,178 2,203 US SUM WECC WECC-US 1d Stand-by Load Under Contract (Normally served by behind the meter generation) 2,178 2,203 US SUM WECC WECC-US 1e Non-Controllable Demand-Side Demand Response -</td> <td>Country Season Area Subarea Line# DESCRIPTION 2011 2012 2013 2014 US SUM WECC WECC-US 1 Unrestricted Non-coincident Peak Demand 128,115 129,170 130,649 US SUM WECC WECC-US 1a New Conservation (Energy Efficiency) 525 1,150 1,749 US SUM WECC WECC-US 1b Estimated Diversity </td> <td> Non-Controllable Demand Subar Subar Subar Subar Subar Description Subar Suba</td> <td> Country Coun</td> <td> Country Season Area Subarea Line# DESCRIPTION 2011 2012 2013 2014 2015 2016 2017 2017 2018 2017 2018 2017 2018</td> <td> Courty Season Area Subarea Line Description 2011 2012 2013 2014 2015 2016 2017 2018 2018 2019 2018 2019 </td> <td> Country Season Area Subare Line DESCRIPTION 2011 2012 2013 2014 2015 2015 2016 2017 2018 2019 </td> <td> No. Country Season Area Subarea Une DESCRIPTION 2011 2012 2013 2014 2015 2016 2016 2017 2018 2019 2</td>	Country Season Area Subarea Line# DESCRIPTION 2011 2012 2013 US SUM WECC WECC-US 1 Unrestricted Non-coincident Peak Demand 128,115 129,170 US SUM WECC WECC-US 1a New Conservation (Energy Efficiency) 525 1,150 US SUM WECC WECC-US 1b Estimated Diversity - - - US SUM WECC WECC-US 1c Stand-by Load Under Contract (Normally served by behind the meter generation) 2,178 2,203 US SUM WECC WECC-US 1d Stand-by Load Under Contract (Normally served by behind the meter generation) 2,178 2,203 US SUM WECC WECC-US 1e Non-Controllable Demand-Side Demand Response -	Country Season Area Subarea Line# DESCRIPTION 2011 2012 2013 2014 US SUM WECC WECC-US 1 Unrestricted Non-coincident Peak Demand 128,115 129,170 130,649 US SUM WECC WECC-US 1a New Conservation (Energy Efficiency) 525 1,150 1,749 US SUM WECC WECC-US 1b Estimated Diversity	Non-Controllable Demand Subar Subar Subar Subar Subar Description Subar Suba	Country Coun	Country Season Area Subarea Line# DESCRIPTION 2011 2012 2013 2014 2015 2016 2017 2017 2018 2017 2018 2017 2018	Courty Season Area Subarea Line Description 2011 2012 2013 2014 2015 2016 2017 2018 2018 2019 2018 2019	Country Season Area Subare Line DESCRIPTION 2011 2012 2013 2014 2015 2015 2016 2017 2018 2019	No. Country Season Area Subarea Une DESCRIPTION 2011 2012 2013 2014 2015 2016 2016 2017 2018 2019 2

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

						_	Actual					Project	ed				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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.)

_						_	Actual					Projected	d				
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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		-	<u>-</u>	-	-	<u>-</u>	<u>-</u>	<u>-</u>	-	<u> </u>	
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		-	<u>-</u>	-	-	-	<u>-</u>	<u>-</u>	-	<u>-</u>	-
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		<u>-</u>	-	-	-	-	-	-	-	-	-
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

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

						_	Actual					Projecte	ed				
vata Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011	US	SUM	WECC	WECC-US	8a4	Solar Derate On-Peak		0	177	260	127	-	190	83	327	83	159
2011	US	SUM	WECC	WECC-US	8a5	Hydro Expected On-Peak		-	-	-	-	24	24	24	24	24	24
2011	US	SUM	WECC	WECC-US	8a6	Hydro Derate On-Peak		-	1	1	1	41	41	236	236	236	236
2011	US	SUM	WECC	WECC-US	8a7	Biomass Expected On-Peak		0	0	1	1	1	2	3	3	3	2
2011	US	SUM	WECC	WECC-US	8a8	Biomass Derate On-Peak		9	28	45	60	74	83	93	104	113	125
2011	US	SUM	WECC	WECC-US	8a9	All Other Derates		<u>-</u>	-	-	-	-	-	<u>-</u>	-	-	-
2011	US	SUM	WECC	WECC-US	8a10	Energy-Only		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	9	ANTICIPATED INTERNAL CAPACITY		149,861	153,258	156,673	158,220	160,306	161,707	162,743	161,620	161,264	160,802
2011	US	SUM	WECC	WECC-US	10	CAPACITY TRANSACTIONS - IMPORTS	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	10a	Firm	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	10a1	Full-Responsibility Purchases	-	-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	10a2	Owned Capacity/Entitlement Located Outside the Region/Subregion	-	-	-	-	<u>-</u>	-	-	-	-	<u>-</u>	
2011	US	SUM	WECC	WECC-US	10b	Non-firm	-										
2011	US	SUM	WECC	WECC-US	10c	Expected		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	10c1	Full-Responsibility Purchases		-	-	-	-	-	-	-	-	-	-
2011	US	SUM	WECC	WECC-US	10c2	Owned Capacity/Entitlement Located Outside the Region/Subregion		-	<u>-</u>	-	<u>-</u>	-		-	-	-	-

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

						_	Actual					Projected					
Data Year	Country	Season	Area	Subarea	Line#	DESCRIPTION	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 US	SUM SUM	WECC	WECC-US	11a2 11b	Owned Capacity/Entitlement Located Outside the Region/Subregion 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/

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

[•] 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.

[•] E - Estimate; NA - Not Available