

Form EIA-411 for 2011

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Table 3B.1. FRCC monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

FRCC	Year	January	February	March	April	May	June	July	August	September	October	November	December
	1996	39,860	41,896	32,781	28,609	32,059	33,886	35,444	34,341	34,797	30,037	29,033	34,191
	1997	37,127	28,144	27,998	28,458	33,859	34,125	35,356	35,375	33,620	31,798	27,669	31,189
	1998	27,122	28,116	29,032	28,008	32,879	37,153	36,576	38,730	34,650	33,066	27,703	27,321
	1999	38,581	31,005	27,798	33,108	33,937	34,964	36,229	37,493	36,954	33,567	29,249	30,473
	2000	37,521	30,475	27,331	29,175	35,626	35,827	37,194	37,084	36,216	34,675	30,647	35,870
	2001	40,258	30,956	29,885	32,816	35,356	38,359	37,608	38,932	38,052	32,891	27,910	31,397
	2002	39,675	34,073	34,626	34,818	37,610	38,859	40,260	39,656	39,156	37,206	35,513	34,597
	2003	45,033	31,033	35,426	34,337	39,441	39,170	40,475	39,648	38,958	36,917	32,641	32,825
	2004	35,545	34,423	30,138	33,895	40,478	42,152	42,383	41,964	40,218	39,063	35,527	36,902
	2005	41,247	32,820	34,993	33,596	40,099	42,506	45,229	46,396	42,968	40,621	32,661	33,994
	2006	34,464	43,413	33,876	39,132	40,745	44,109	45,008	45,751	42,807	40,155	34,285	33,099
	2007	38,352	38,192	33,829	36,137	38,885	43,116	45,430	46,676	44,796	40,993	33,248	33,759
	2008	41,705	35,000	33,073	34,896	41,795	43,769	44,361	44,836	43,028	38,413	34,721	34,104
	2009	44,945	45,814	34,504	34,525	40,375	46,550	43,876	44,035	41,489	42,853	35,046	33,781
	2010	53,093	37,949	37,915	31,763	40,029	45,140	44,924	45,722	42,804	38,469	32,934	46,135
Actual	2011	46,839	38,859	35,739	35,979	41,179	43,900	45,144	46,091	43,717	40,541	35,871	37,838
	2012E	46,842	38,153	35,343	36,038	40,987	42,589	43,780	45,613	42,303	39,447	35,216	37,817
Projected	2013E	46,864	38,550	35,718	36,527	41,572	43,220	44,453	46,270	42,902	40,017	36,625	38,837

Table 3B.2. NPCC monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

FRCC	Year	January	February	March	April	May	June	July	August	September	October	November	December
Actual	1996	41,680	41,977	39,414	35,313	41,013	41,893	44,773	44,663	43,321	36,278	38,992	39,710
	1997	41,208	38,891	37,662	35,284	34,101	46,477	49,269	43,964	42,487	37,597	39,602	41,178
	1998	40,009	39,624	39,652	35,382	40,210	47,342	49,566	47,514	42,358	36,947	38,738	41,728
	1999	44,199	41,263	39,883	34,260	35,911	50,127	52,855	47,762	45,913	37,120	41,314	42,166
	2000	45,227	42,692	38,729	36,124	44,550	50,057	46,310	49,850	48,266	39,300	41,036	43,852
	2001	43,553	41,919	40,636	37,191	42,368	50,289	53,569	55,949	45,703	38,398	39,576	42,540
	2002	42,039	41,544	39,906	42,163	41,008	51,873	55,444	55,944	49,324	43,293	40,696	44,793
	2003	45,987	43,800	43,249	38,921	36,648	54,827	53,509	53,540	43,123	39,225	40,197	44,257
	2004	66,215	62,361	58,055	54,300	64,042	76,529	82,615	79,138	73,418	56,870	60,680	67,224
	2005	47,041	42,949	43,487	37,399	37,543	55,720	58,960	58,009	50,704	41,854	41,875	46,828
	2006	43,661	43,611	42,532	37,331	46,113	52,000	59,953	63,241	43,207	40,157	41,149	44,570
	2007	45,002	46,697	45,901	38,936	46,586	57,272	56,073	58,314	51,463	45,066	41,766	46,024
	2008	46,803	44,882	40,421	37,426	40,348	58,543	55,919	50,393	50,957	39,251	42,111	45,695
	2009	45,047	44,457	43,148	40,609	39,260	42,851	50,319	55,944	41,778	37,998	39,746	44,864
	2010	43,849	42,178	39,658	36,715	50,251	54,472	60,554	56,947	57,377	39,019	39,906	45,281
	2011	44,812	44,527	42,594	38,797	43,988	53,980	60,262	58,820	49,743	39,643	41,389	46,788
Projected	2012E	43,806	40,451	41,933	40,138	45,658	53,663	60,735	57,757	50,115	39,781	42,011	46,361
	2013E	47,187	45,337	42,843	40,409	46,076	54,237	61,461	58,448	50,643	40,098	42,152	46,610

megawatts

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megawatts

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megawatts

Projected

Table 3B.6. MAPP monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

MAPP	Year	January	February	March	April	May	June	July	August	September	October	November	December
	1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2010	5,109	4,749	4,341	3,439	3,610	4,027	4,440	4,598	3,559	3,709	4,317	4,950
Actual	2011	5,125	4,805	4,518	3,745	3,582	4,277	4,810	4,638	4,036	3,980	4,513	5,118
	2012E	4,783	4,591	4,363	3,794	3,813	4,418	4,768	4,754	4,253	4,021	4,550	4,872
Projected	2013E	5,083	4,933	4,638	4,031	4,024	4,628	4,978	4,951	4,439	4,162	4,716	5,029

Table 3B.7. MISO monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

MISO	Year	January	February	March	April	May	June	July	August	September	October	November	December
Actual	1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2010	85,265	81,836	74,562	69,824	92,068	98,927	104,024	108,346	93,748	73,310	79,454	90,848
	2011	85,966	87,677	76,964	68,205	75,209	91,832	98,068	96,871	87,570	71,648	72,383	79,052
Projected	2012E	70,609	67,010	63,372	58,449	70,643	92,959	96,722	91,633	81,440	67,054	68,734	75,085
	2013E	74,622	72,106	68,177	63,169	72,807	86,459	94,279	91,645	81,001	67,040	68,623	75,160

megawatts

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Table 3B.9. PJM monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

PJM	Year	January	February	March	April	May	June	July	August	September	October	November	December
	1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2010	109,179	104,915	95,015	88,409	110,783	126,202	136,465	131,946	127,682	85,652	90,313	115,535
Actual	2011	113,912	109,621	99,956	92,104	103,609	139,967	148,941	143,584	126,463	101,712	108,310	122,418
	2012E	122,563	113,998	111,822	104,381	117,302	143,028	153,782	147,557	129,163	105,685	111,768	126,401
Projected	2013E	130,222	125,061	113,238	106,160	119,076	144,538	156,254	149,730	131,764	107,442	112,405	126,770

megawatts

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Table 3B.11. SERC monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

SERC	Year	January	February	March	April	May	June	July	August	September	October	November	December
	1996	99,060	107,023	94,264	80,128	103,784	108,122	109,645	104,491	98,022	78,249	86,864	102,668
	1997	123,494	108,137	95,233	94,363	105,073	129,777	137,046	134,713	128,773	107,909	110,668	112,645
	1998	109,832	106,908	114,567	91,401	125,721	140,530	142,316	140,194	132,270	116,754	96,290	111,171
	1999	130,513	114,107	108,893	104,725	113,419	135,013	148,030	149,011	135,888	106,035	107,591	114,676
	2000	132,964	124,626	104,667	102,837	133,362	142,202	152,329	156,058	138,879	120,175	121,470	134,853
	2001	137,072	117,271	112,130	113,799	123,576	137,252	146,011	147,723	134,407	108,203	104,840	111,139
	2002	131,754	132,318	129,910	135,176	131,824	150,232	157,332	156,788	149,616	134,171	114,186	127,621
	2003	150,308	126,440	113,665	114,468	128,302	144,421	149,869	153,110	139,630	105,513	114,990	126,485
	2004	143,846	129,244	115,301	113,512	143,543	148,556	157,615	155,373	136,089	117,668	117,269	143,866
	2005	166,190	146,255	144,150	123,260	146,053	176,444	190,705	183,894	168,762	144,121	136,054	154,799
	2006	134,239	133,885	129,636	117,174	160,442	160,900	187,586	191,920	134,313	124,746	127,774	142,734
	2007	171,640	174,134	148,192	143,142	161,994	183,132	187,430	209,109	183,365	166,053	142,102	162,692
	2008	182,758	168,611	150,031	136,603	156,780	190,933	197,520	196,821	176,589	142,605	155,558	169,325
	2009	186,066	181,661	165,243	138,009	149,087	185,135	179,442	186,804	159,841	138,852	129,066	159,772
	2010	158,825	141,041	128,876	109,196	135,215	158,967	159,880	163,361	147,826	112,338	111,878	155,825
Actual	2011	150,029	144,087	125,278	115,521	133,207	153,666	162,263	163,711	147,430	121,870	122,416	140,536
	2013E	153,302	144,131	153,302	115,836	135,817	153,101	160,189	162,216	146,534	121,461	123,231	140,650
Projected	2012E	153,859	145,231	153,859	116,219	136,231	155,038	162,283	164,642	149,344	124,874	124,239	142,536

Table 3B.12. SPP monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

SPP	Year	January	February	March	April	May	June	July	August	September	October	November	December
	1996	46,801	46,506	44,043	39,428	52,072	56,569	59,826	57,907	52,017	41,352	42,117	48,274
	1997	26,931	23,739	22,386	22,283	24,746	32,950	36,267	35,024	33,793	28,435	24,029	25,020
	1998	24,313	23,137	24,878	22,119	32,030	36,086	37,383	36,976	35,910	25,231	22,274	26,725
	1999	26,757	23,604	23,086	23,648	25,872	32,783	37,958	38,609	34,692	25,745	22,773	25,415
	2000	26,415	25,463	23,516	25,516	35,188	34,162	38,864	40,101	39,246	30,910	25,942	30,137
	2001	28,039	26,733	24,707	26,240	32,043	35,636	40,063	39,782	34,312	26,688	26,949	25,951
	2002	28,485	28,191	27,833	28,356	32,514	36,228	39,125	39,571	37,659	31,961	25,788	27,710
	2003	28,850	27,922	26,026	26,518	32,880	35,810	39,133	40,214	32,876	26,372	25,204	27,259
	2004	29,010	27,454	23,566	24,583	32,878	36,137	39,893	39,734	36,117	27,158	26,603	29,782
	2005	29,072	27,128	25,247	25,656	34,261	39,437	41,306	40,771	37,772	33,042	27,333	31,764
	2006	26,864	28,402	25,548	31,231	36,115	37,754	42,556	42,405	33,342	33,653	29,699	30,331
	2007	30,141	31,028	25,629	26,746	31,495	36,775	38,965	43,165	36,887	33,537	26,610	29,560
	2008	31,294	30,140	28,268	27,213	33,650	38,629	41,914	43,476	34,823	27,993	27,133	32,361
	2009	31,870	29,358	27,928	27,343	30,765	41,302	41,465	40,393	33,748	27,270	26,077	32,028
	2010	42,496	37,893	34,099	30,832	40,926	48,883	49,933	53,077	44,536	33,566	33,816	37,555
Actual	2011	40,445	38,987	34,366	33,287	40,417	48,535	52,613	53,084	44,750	36,147	34,522	39,242
	2012E	39,026	39,220	34,261	33,780	41,237	49,073	53,721	54,436	46,154	35,990	34,564	39,126
Projected	2013E	40,315	40,030	35,153	34,267	41,893	49,776	54,537	55,180	46,685	36,584	35,051	39,816

Table 3B.13. TRE monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

TRE	Year	January	February	March	April	May	June	July	August	September	October	November	December
Actual	1996	36,818	37,705	34,540	35,326	43,742	46,524	47,240	46,807	41,733	34,958	34,597	39,214
	1997	41,280	33,120	31,783	34,216	40,857	45,687	49,705	50,468	49,005	43,533	33,624	36,458
	1998	35,906	33,703	36,836	35,731	48,676	52,259	53,440	54,666	51,981	46,869	32,616	40,566
	1999	39,537	34,343	33,383	41,080	43,529	49,628	52,925	55,529	50,447	43,706	33,615	36,685
	2000	39,075	34,779	38,040	40,399	50,347	49,577	55,767	57,606	57,099	47,781	35,563	44,641
	2001	42,995	35,091	34,090	37,017	44,606	50,918	54,846	55,201	50,073	40,796	41,608	36,557
	2002	43,901	43,837	43,964	49,064	49,018	51,882	54,891	56,248	51,556	49,105	35,901	40,650
	2003	45,433	43,498	37,554	40,579	52,909	53,637	56,251	59,996	49,502	42,651	38,608	40,782
	2004	42,698	42,301	34,321	39,131	48,702	54,061	56,489	58,531	55,179	47,714	37,599	44,010
	2005	40,966	41,095	36,115	41,219	51,947	58,140	57,319	60,210	59,524	52,107	42,470	47,948
	2006	38,604	43,210	38,257	51,800	54,175	57,887	61,660	62,339	56,603	50,890	45,143	46,896
	2007	50,404	50,408	38,827	41,710	49,222	56,427	56,754	62,188	55,091	54,102	39,993	44,443
Projected	2008	46,099	45,321	42,412	45,872	56,344	59,642	61,120	62,174	56,343	46,575	38,746	47,806
	2009	46,166	42,228	40,289	43,488	51,321	62,393	63,518	62,241	55,383	49,090	37,040	46,912
Actual	2010	55,878	47,195	41,440	40,169	54,725	60,789	60,674	65,776	58,201	45,456	40,220	44,716
	2011	49,829	47,953	44,057	47,797	57,620	60,057	63,376	63,770	58,520	52,458	43,440	51,642
Projected	2012E	50,992	45,113	41,363	49,460	58,312	59,690	60,815	66,076	56,625	53,227	38,478	52,909
	2013E	50,776	45,065	44,364	50,422	58,722	61,021	62,333	67,168	58,239	54,708	39,524	54,630

Table 3B.14. WECC monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

WECC	Year	January	February	March	April	May	June	July	August	September	October	November	December
	1996	95,306	94,878	86,486	89,912	91,930	99,203	108,739	107,790	98,006	95,427	87,466	94,331
	1997	95,886	89,483	89,505	88,124	99,796	98,340	104,361	110,001	105,659	95,236	89,470	93,132
	1998	95,102	90,267	89,009	88,242	84,051	97,617	111,830	115,921	112,705	92,543	88,524	101,822
	1999	91,641	91,773	87,599	87,821	91,165	105,404	113,629	109,873	102,526	96,329	90,741	96,875
	2000	95,673	91,627	91,044	94,250	104,053	111,600	114,472	114,602	107,797	97,398	95,483	97,324
	2001	96,766	93,801	87,641	90,023	100,484	105,427	108,629	109,119	101,320	97,762	91,851	95,286
	2002	96,555	93,195	90,041	88,714	104,110	111,108	119,074	114,763	111,475	99,967	92,834	95,951
	2003	92,602	93,831	91,002	89,713	110,358	112,627	122,537	119,473	113,594	103,327	94,291	99,793
	2004	102,049	95,546	95,191	101,654	105,503	111,143	123,136	122,922	116,784	96,429	100,001	101,541
	2005	102,464	96,789	90,859	90,623	106,680	115,821	130,760	125,253	113,824	101,470	100,361	107,493
	2006	99,571	101,154	97,101	93,098	110,713	129,742	142,096	127,749	122,420	103,797	107,335	108,617
	2007	107,097	101,215	98,234	98,980	107,541	126,064	137,488	139,389	128,226	99,594	100,700	109,607
	2008	110,395	104,200	97,743	106,357	120,959	134,781	134,052	134,829	122,386	115,877	100,056	113,605
	2009	100,195	97,674	91,682	99,806	107,913	116,680	128,245	122,835	122,256	91,636	94,362	109,565
	2010	97,439	94,018	92,308	84,578	89,818	115,882	129,312	129,352	119,104	104,603	102,044	101,668
Actual	2011	105,582	101,596	97,085	99,124	112,650	125,732	136,801	137,454	123,796	106,417	102,338	109,297
	2012E	107,841	104,972	99,581	101,754	113,890	128,906	140,158	140,739	127,081	109,688	105,050	111,889
Projected	2013E	110,412	107,097	101,351	103,351	115,891	131,164	142,679	143,184	129,266	111,592	107,026	114,064

Table 3B.15. Contiguous U.S. monthly peak hour demand, by North American Electric Reliability Corporation Assessment Area, 1996-2011 actual, 2012-2013 projected

megawatts

Contiguous U.S.	Year	January	February	March	April	May	June	July	August	September	October	November	December
	1996	539,319	549,604	498,009	460,037	534,009	580,313	610,368	602,973	554,390	467,595	483,922	536,070
	1997	551,455	489,289	464,675	456,075	489,172	596,399	629,683	605,790	581,524	510,898	491,968	511,114
	1998	505,923	488,303	504,302	449,278	548,728	625,302	651,002	648,366	604,469	510,965	464,919	527,000
	1999	557,939	507,815	491,272	475,803	509,383	624,843	674,758	648,222	606,230	501,184	496,971	528,321
	2000	565,220	526,150	484,630	480,344	590,223	632,984	656,054	677,756	638,224	536,101	525,030	578,585
	2001	573,509	524,297	499,130	496,228	556,624	627,697	671,899	684,542	603,119	503,079	497,593	517,911
	2002	562,695	551,844	545,899	561,096	585,806	670,648	707,278	704,317	662,638	583,695	517,609	559,757
	2003	606,474	551,505	526,444	507,048	559,772	663,960	681,710	703,853	607,645	515,345	518,742	557,120
	2004	618,057	575,991	530,796	529,319	631,212	691,049	731,562	725,316	660,989	545,681	550,316	627,193
	2005	613,416	557,221	543,934	498,153	572,223	704,046	751,261	744,406	675,450	586,189	547,744	609,564
	2006	563,711	591,705	541,514	546,791	659,982	712,648	782,047	777,095	630,677	584,308	569,296	616,580
	2007	613,068	625,063	554,858	532,528	615,364	712,563	736,487	778,529	700,802	624,933	543,301	598,049
	2008	635,911	602,916	547,385	532,217	596,009	727,053	744,623	733,882	677,046	559,329	557,606	621,087
	2009	635,206	612,877	568,594	530,538	562,341	686,966	688,098	710,488	612,693	527,654	509,862	598,548
	2010	651,132	591,773	548,215	494,925	617,425	713,289	750,206	759,125	694,836	536,122	534,882	642,512
Actual	2011	642,540	618,111	560,557	534,559	611,460	721,946	772,278	768,022	686,025	574,416	565,182	631,931
	2012E	639,764	597,639	585,340	543,631	627,659	727,428	774,670	770,779	683,667	576,354	563,602	635,110
Projected	2013E	659,341	623,410	599,340	554,555	636,292	730,082	783,257	781,217	694,283	586,516	570,362	643,451