

Table 4.1. Noncoincident Peak Load, Actual and Projected by North American Electric Reliability Corporation Region, 2004 through 2013 (Megawatts)

North American Electric Reliability Corporation Regional Entity	Actual				
	2004	2005	2006	2007	2008
Summer					
ECAR ¹	95,300	NA	NA	NA	NA
ERCOT.....	58,531	60,210	62,339	62,188	62,174
FRCC.....	42,383	46,396	45,751	46,676	44,836
MAAC ¹	52,049	NA	NA	NA	NA
MAIN ¹	53,439	NA	NA	NA	NA
MRO (U.S.) ²	29,351	39,918	42,194	41,684	39,677
NPCC (U.S.).....	52,549	58,960	63,241	58,314	58,543
ReliabilityFirst ³	NA	190,200	191,920	181,700	169,155
SERC.....	157,615	190,705	199,052	209,109	199,779
SPP.....	40,106	41,727	42,882	43,167	43,476
WECC (U.S.).....	123,136	130,760	142,096	139,389	134,829
Contiguous U.S.	704,459	758,876	789,475	782,227	752,470
Winter					
ECAR ¹	91,800	NA	NA	NA	NA
ERCOT.....	44,010	48,141	50,402	50,408	47,806
FRCC.....	44,839	42,657	42,526	41,701	45,275
MAAC ¹	45,905	NA	NA	NA	NA
MAIN ¹	42,929	NA	NA	NA	NA
MRO (U.S.) ²	24,526	33,748	34,677	33,191	36,029
NPCC (U.S.).....	48,176	46,828	46,697	46,795	46,043
ReliabilityFirst ³	NA	151,600	149,631	141,900	142,395
SERC.....	144,337	164,638	175,163	179,888	179,596
SPP.....	29,490	31,260	30,792	31,322	32,809
WECC (U.S.).....	102,689	107,493	111,093	112,700	113,605
Contiguous U.S.	618,701	626,365	640,981	637,905	643,557
North American Electric Reliability Corporation Regional Entity	Projected				
	2009	2010	2011	2012	2013
Summer					
TRE (formerly ERCOT).....	63,491	64,056	65,494	67,394	69,399
FRCC.....	45,734	45,794	46,410	47,423	48,304
MRO (U.S.) ²	43,172	44,184	45,038	45,707	46,337
NPCC (U.S.).....	61,327	61,601	62,268	62,926	63,445
ReliabilityFirst ³	178,100	180,400	185,700	189,700	192,100
SERC.....	202,738	206,218	211,528	215,641	219,712
SPP.....	44,462	45,113	45,988	46,616	47,255
WECC (U.S.).....	140,692	142,750	145,185	147,758	150,163
Contiguous U.S.	779,716	790,116	807,611	823,165	836,715
Winter					
TRE (formerly ERCOT).....	43,463	44,463	45,784	47,030	47,984
FRCC.....	44,446	45,099	46,140	46,971	47,709
MRO (U.S.) ²	36,571	36,884	37,613	38,125	38,483
NPCC (U.S.).....	47,098	47,076	47,195	47,384	47,620
ReliabilityFirst ³	145,800	148,000	151,800	153,800	155,100
SERC.....	181,045	183,608	187,639	190,266	193,586
SPP.....	32,636	33,308	33,864	34,421	34,961
WECC (U.S.).....	111,324	113,096	114,832	116,522	118,280
Contiguous U.S.	642,383	651,534	664,867	674,519	683,723

¹ ECAR, MAAC, and MAIN dissolved at the end of 2005. Utility membership joined other reliability regional councils. Also, see Footnote 3.

² Regional name has changed from Mid-Continent Area Power Pool to Midwest Reliability Organization.

³ ReliabilityFirst Corporation (RFC) came into existence on January 1, 2006, and submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN. Many of the former utility members joined RFC.

NA = Not available.

Notes: • Projected data are updated annually, so revision superscript is not used. • Nerc Regions are provided in Appendix A., Technical Notes. • Represents an hour of a day during the associated peak period. • The summer peak period begins on June 1 and extends through September 30. • The winter peak period begins on December 1 and extends through the end of February of the following year. • The MRO, SERC, and SPP regional boundaries were altered as a variety of utilities changed reliability organizations. The historical data series have not been adjusted. • Totals may not equal sum of components because of independent rounding.

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



Table 9.1. Demand-Side Management Actual Peak Load Reductions by Program Category, 1997 through 2008 (Megawatts)

Item	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
Total Actual Peak Load Reduction	32,741	30,253^R	27,240	25,710	23,532	22,904	22,936	24,955	22,901	26,455	27,231	25,284
Energy Efficiency.....	19,650	17,710	15,959	15,351	14,272	13,581	13,420	13,027	12,873	13,452	13,591	13,327
Load Management.....	13,091	12,543 ^R	11,281	10,359	9,260	9,323	9,516	11,928	10,027	13,003	13,640	11,958

R = Revised.

Notes: • Data presented are reflective of large utilities. • See Technical Notes for the Demand-Side Management definitions located within the Form EIA-861 section. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9.2. Demand-Side Management Program Annual Effects by Program Category, 1997 through 2008

Item	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
Annual Effects – Energy Efficiency												
Large Utilities												
Actual Peak Load Reduction (MW).....	19,650	17,710	15,959	15,351	14,272	13,581	13,420	13,027	12,873	13,452	13,591	13,327
Energy Savings (Thousand MWh).....	86,001	67,134	62,951	58,891	52,662	48,245	52,285	52,946	52,946	49,691	48,775	55,453
Annual Effects – Load Management												
Large Utilities												
Actual Peak Load Reduction (MW).....	13,091	12,543 ^R	11,281	10,359	9,260	9,323	9,516	11,928	10,027	13,003	13,640	11,958
Potential Peak Load Reductions (MW).....	26,215	23,087 ^R	21,270	21,282	20,998	25,290	26,888	27,730	28,496	30,118	27,840	27,911
Energy Savings (Thousand MWh).....	1,824	1,857 ^R	865	1,006	2,047	2,020	1,790	990	875	872	392	953

R = Revised.

Notes: • See Technical Notes for the Demand-Side Management definitions located within the Form EIA-861 section. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9.3. Demand-Side Management Program Incremental Effects by Program Category, 1997 through 2008

Item	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
Incremental Effects – Energy Efficiency												
Large Utilities												
Actual Peak Load Reduction (MW).....	5,766	1,649	1,177	1,403	1,521	945	1,054	999	720	695	796	1,065
Energy Savings (Thousand MWh).....	10,413	7,426	5,385	5,872	4,522	2,939	3,543	4,402	3,284	3,027	3,324	4,661
Small Utilities												
Actual Peak Load Reduction (MW).....	567	349	91	302	204	90	49	20	25	22	12	12
Energy Savings (Thousand MWh).....	21	254	9	7	10	8	192	8	8	8	37	10
Incremental Effects – Load Management												
Large Utilities												
Actual Peak Load Reduction (MW).....	2,980	1,356 ^R	1,495	1,009	907	1,084	1,160	1,297	919	1,568	1,821	1,261
Potential Peak Load Reductions (MW).....	6,639	3,342 ^R	2,544	2,005	2,622	1,981	2,655	2,448	2,439	6,457	2,832	2,475
Energy Savings (Thousand MWh).....	166	132 ^R	95	133	2	29	65	79	63	67	37	171
Small Utilities												
Actual Peak Load Reduction (MW).....	371	1,036	195	153	242	81	54	45	137	54	124	130
Potential Peak Load Reductions (MW).....	620	1,423	273	218	422	131	76	177	190	84	160	183
Energy Savings (Thousand MWh).....	1	5	4	5	4	4	2	4	9	2	7	19

R = Revised.

Notes: • See Technical Notes for the Demand-Side Management definitions located within the Form EIA-861 section. • Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."