

Table 4.A. Summer Net Internal Demand, Capacity Resources, and Capacity Margins by North American Electric Reliability Corporation Region, 1999 through 2010
 (Megawatts and Percent)

Interconnection	NERC Regional Assessment Area	Net Internal Demand (MW)[1] – Summer																			
		Actual																			
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Eastern Interconnection	FRCC	27,162	27,773	28,898	29,435	30,537	31,649	31,868	32,874	34,562	34,832	35,666	38,932	37,951	40,387	42,243	45,950	45,345	46,434	44,660	46,263
	NPCC	46,016	45,952	46,007	46,380	47,465	48,290	48,950	50,240	51,760	53,450	54,270	55,888	55,164	53,936	51,580	57,402	60,879	58,221	59,896	55,730
	Balance of Eastern Region	332,679	337,297	341,869	349,984	357,284	365,319	374,256	383,043	389,869	401,701	420,443	417,613	430,396	422,253	419,349	455,594	469,639	465,229	447,629	424,714
	ECAR	79,370	79,948	80,536	83,530	84,967	85,643	88,573	91,103	92,359	94,072	98,651	100,235	101,251	98,487	95,300	NA	NA	NA	NA	NA
	MAAC	43,341	43,794	44,348	44,198	44,571	45,224	45,628	46,548	47,626	49,325	51,358	54,015	54,296	53,566	52,049	NA	NA	NA	NA	NA
	MAIN	40,466	41,083	41,304	42,001	42,611	43,229	44,470	45,194	45,570	47,165	51,845	53,032	53,267	53,617	50,499	NA	NA	NA	NA	NA
	MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MRO	24,055	26,168	26,050	25,901	26,855	27,487	27,298	28,221	29,766	30,606	28,006	27,125	28,825	28,775	29,094	38,266	40,661	40,249	38,857	35,849
	PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	RFC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190,200	190,800	177,200	169,155	161,241
	SERC	93,893	94,767	97,448	99,287	101,885	105,785	109,270	134,968	138,146	142,726	151,527	144,399	154,459	148,380	153,024	186,049	196,196	205,321	196,711	186,507
	SPP	51,554	51,537	52,183	55,067	56,395	57,951	59,017	37,009	36,402	37,807	39,056	38,807	38,298	39,428	39,383	41,079	41,982	42,459	42,906	41,117
ERCOT	TRE	41,915	43,516	43,093	42,629	43,630	44,990	45,636	47,746	50,254	51,697	53,649	55,106	55,833	59,282	58,531	59,060	61,214	61,063	61,049	63,518
Western Interconnection	WECC	91,052	93,408	94,595	96,613	99,724	99,612	101,728	104,486	111,641	112,177	116,913	107,294	117,032	120,894	121,205	128,464	139,402	135,839	130,916	122,881
All Interconnections	Contiguous U.S.	538,824	547,946	554,462	565,041	578,640	589,860	602,438	618,389	638,086	653,857	680,941	674,833	696,376	696,752	692,908	746,470	776,479	766,786	744,151	713,106

Interconnection	NERC Regional Assessment Area	Capacity Resources (MW)[2] – Summer																			
		Actual																			
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Eastern Interconnection	FRCC	33,549	33,669	34,565	36,225	37,577	38,282	38,237	39,613	39,708	40,645	43,083	42,290	43,342	46,806	48,579	50,200	50,909	53,027	51,541	49,239
	NPCC	60,878	59,972	61,960	62,049	61,906	62,368	58,592	60,729	60,439	63,077	63,376	63,760	66,208	70,902	71,532	72,258	73,095	73,771	75,894	78,639
	Balance of Eastern Region	411,472	416,948	419,921	424,832	430,348	441,577	443,268	446,055	449,465	460,325	490,333	487,950	504,357	513,382	526,454	532,917	534,270	543,608	539,936	559,823
	ECAR	97,588	98,993	100,027	101,910	101,605	103,003	104,953	105,106	105,545	107,451	115,379	113,136	119,736	123,755	127,919	NA	NA	NA	NA	NA
	MAAC	54,132	55,347	55,272	55,328	56,271	56,881	56,774	56,155	55,511	57,831	60,679	59,533	63,619	65,897	66,167	NA	NA	NA	NA	NA
	MAIN	48,244	48,471	49,104	50,333	50,963	52,112	52,880	52,160	52,722	55,984	64,170	65,950	67,025	67,410	65,677	NA	NA	NA	NA	NA
	MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MRO	32,063	31,975	32,411	31,964	32,267	32,665	33,121	34,027	34,773	35,373	34,236	32,271	34,259	33,287	35,830	46,792	50,116	47,259	48,180	47,529
	PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	RFC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220,000	214,693	213,544	215,477	215,700
	SERC	112,112	114,690	115,635	117,375	120,044	127,562	126,196	155,016	158,360	160,575	169,760	171,530	172,485	177,231	182,861	219,749	223,630	234,232	228,169	247,400
	SPP	67,333	67,472	67,472	67,922	69,198	69,344	69,344	43,591	42,554	43,111	46,109	45,530	47,233	45,802	48,000	46,376	45,831	48,573	48,110	49,194
ERCOT	TRE	53,549	53,954	54,994	54,323	54,219	55,074	55,230	55,771	59,788	65,423	69,622	70,797	76,849	74,764	73,850	66,724	70,664	75,912	74,274	76,280
Western Interconnection	WECC	127,478	127,794	125,992	127,931	127,533	130,180	135,409	135,687	135,270	136,274	141,640	124,193	142,624	150,277	155,455	160,026	162,288	168,080	167,860	152,467
All Interconnections	Contiguous U.S.	686,926	692,337	697,432	705,360	711,583	727,481	730,376	737,855	744,670	765,744	808,054	788,990	833,380	856,131	875,870	882,125	891,226	914,397	909,504	916,449

Interconnection	NERC Regional Assessment Area	Capacity Margin (percent)[3] – Summer																			
		Actual																			
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Eastern Interconnection	FRCC	20.0	17.5	16.4	18.7	18.7	17.3	16.7	17.0	13.0	14.3	17.2	7.9	12.4	13.7	13.0	8.5	10.9	12.4	13.4	6.0
	NPCC	24.4	23.4	25.7	25.3	23.3	22.6	16.5	17.3	14.4	15.3	14.4	12.3	16.7	23.9	27.9	20.6	16.7	21.1	21.1	29.1
	Balance of Eastern Region	19.1	19.1	18.6	17.6	17.0	17.3	15.6	14.1	13.3	12.7	14.3	14.4	14.7	17.8	20.3	14.5	12.1	14.4	17.1	24.1
	ECAR	18.7	19.2	19.5	18.0	16.4	16.9	15.6	13.3	12.5	12.5	14.5	11.4	15.4	20.4	25.5	NA	NA	NA	NA	NA
	MAAC	19.9	20.9	19.8	20.1	20.8	20.5	19.6	17.1	14.2	14.7	15.4	9.3	14.7	18.7	21.3	NA	NA	NA	NA	NA
	MAIN	16.1	15.2	15.9	16.6	16.4	17.0	15.9	13.4	13.6	15.8	19.2	19.6	20.5	23.1	NA	NA	NA	NA	NA	NA
	MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MRO	25.0	18.2	19.6	19.0	16.8	15.9	17.6	17.1	14.4	13.5	18.2	15.9	15.9	13.6	18.8	18.2	18.9	14.8	19.3	24.6
	PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	RFC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SERC	16.3	17.4	15.7	15.4	15.1	17.1	13.4	12.9	12.8	11.1	10.7	15.8	10.5	16.3	16.3	15.3	12.3	12.3	13.8	24.6
	SPP	23.4	23.6	22.7	18.9	18.5	16.4	14.9	15.1	14.5	12.3	15.3	14.8	18.9	13.9	18.0	11.4	8.4	12.6	10.8	16.4
ERCOT	TRE	21.7	19.3	21.6	21.5	19.5	18.3	17.4	14.4	15.9	21.0	22.9	22.2	27.3	20.7	20.7	11.5	13.4	19.6	17.8	16.7
Western Interconnection	WECC	28.6	26.9	24.9	24.5	21.8	23.5	24.7	23.0	17.5	17.7	17.5	13.6	17.9	19.6	22.0	19.7	14.1	19.2	22.0	19.4
All Interconnections	Contiguous U.S.	21.6	20.9	20.5	19.9	18.7	18.9	17.6	16.2	14.3	14.6	15.7	14.5	16.4	18.6	20.9	15.4	12.9	16.1	18.2	22.2

[1] Net Internal Demand represent the system demand that is planned for by the electric power industry's reliability authority and is equal to Internal Demand less Direct Control Load Management and Interruptible Demand.

[2] Capacity Resources: Utility and nonutility-owned generating capacity that is existing or in various stages of planning or construction, less inoperable capacity, plus planned capacity purchases from other resources, less planned capacity sales.

[3] Capacity Margin is the amount of unused available capability of an electric power system at peak load as a percentage of capacity resources.

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page:

<http://www.eia.gov/cneal/electricity/page/eia411/eia411.html>

• Projected data are updated annually.

• Peak load 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 October 1 and extends through May 31.

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

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

• E - Estimate; NA - Not Available

Table 4.A. Summer Net Internal Demand, Capacity Resources, and Capacity Margins by North American Electric Reliability Corporation Region, 1999 through 2010
(Megawatts and Percent)^A

Interconnection	NERC Regional Assessment Area	Projected					
		2010	2011E	2012E	2013E	2014E	2015E
		45,522	42,945	43,389	44,056	44,787	45,770
Eastern Interconnection	FRCC	56,232	56,174	56,618	56,902	57,127	57,606
	NPCC	454,759	442,400	454,051	461,791	467,431	471,764
	Balance of Eastern Region	NA	NA	NA	NA	NA	NA
	ECAR	NA	NA	NA	NA	NA	NA
	MAAC	NA	NA	NA	NA	NA	NA
	MAIN	4,495	4,704	4,926	5,216	5,285	5,379
	MAPP	100,963	90,249	85,157	87,015	87,408	88,128
	MISO	NA	NA	NA	NA	NA	NA
	MRO	136,465	137,341	151,780	153,510	155,793	157,527
	PJM	NA	NA	NA	NA	NA	NA
	RFC	160,896	158,323	159,852	162,247	164,805	166,467
	SERC	51,942	51,783	52,337	53,802	54,140	54,263
	SPP	64,378	62,286	63,880	65,790	68,381	70,231
	ERCOT	TRE	126,944	126,586	127,446	128,925	130,801
Western Interconnection	WECC	747,836	730,391	745,384	757,464	768,528	778,510
All Interconnections	Contiguous U.S.						

Interconnection	NERC Regional Assessment Area	Projected					
		2010	2011E	2012E	2013E	2014E	2015E
		53,370	53,538	54,695	54,815	56,242	57,253
Eastern Interconnection	FRCC	67,569	71,943	72,333	74,119	74,761	74,254
	NPCC	571,719	569,691	575,220	579,720	581,186	578,986
	Balance of Eastern Region	NA	NA	NA	NA	NA	NA
	ECAR	NA	NA	NA	NA	NA	NA
	MAAC	NA	NA	NA	NA	NA	NA
	MAIN	7,210	6,563	6,516	6,326	6,321	6,371
	MAPP	131,691	111,945	106,631	106,690	106,709	106,732
	MISO	NA	NA	NA	NA	NA	NA
	MRO	168,970	181,740	189,601	191,265	191,425	192,011
	PJM	NA	NA	NA	NA	NA	NA
	RFC	200,511	203,220	205,834	207,560	208,362	205,988
	SERC	63,337	66,224	66,638	67,879	68,369	67,884
	SPP	73,857	73,199	74,902	75,063	77,223	78,003
	ERCOT	TRE	158,407	171,032	180,001	186,410	188,386
Western Interconnection	WECC	924,922	939,403	957,151	970,127	977,798	980,295
All Interconnections	Contiguous U.S.						

Interconnection	NERC Regional Assessment Area	Projected					
		2010	2011E	2012E	2013E	2014E	2015E
		14.7	19.8	20.7	19.6	20.4	20.1
Eastern Interconnection	FRCC	16.8	21.9	21.7	23.2	23.6	22.4
	NPCC	20.5	22.3	21.1	20.3	19.6	18.5
	Balance of Eastern Region	NA	NA	NA	NA	NA	NA
	ECAR	NA	NA	NA	NA	NA	NA
	MAAC	NA	NA	NA	NA	NA	NA
	MAIN	37.7	28.3	24.4	17.5	16.4	15.6
	MAPP	23.3	19.4	20.1	18.4	18.1	17.4
	MISO	NA	NA	NA	NA	NA	NA
	MRO	19.2	24.4	19.9	19.7	18.6	18.0
	PJM	NA	NA	NA	NA	NA	NA
	RFC	19.8	22.1	22.3	21.8	20.9	19.2
	SERC	18.0	21.8	21.5	20.7	20.8	20.1
	SPP	12.8	14.9	14.7	12.4	11.4	10.0
	ERCOT	TRE	19.9	26.0	29.2	30.8	30.6
Western Interconnection	WECC	19.1	22.2	22.1	21.9	21.4	20.6
All Interconnections	Contig						