

**Table 4.B Winter Net Internal Demand, Capacity Resources, and Capacity Margins by North American Electric Reliability Corporation Region, 2001-2011 Actual, 2012-2016 Projected**

megawatts and percent

Interconnection	NERC Regional Assesment Area	Net Internal Demand[1] -- Winter															
		Actual								Projected							
		2001/ 2002	2002/ 2003	2003/ 2004	2004/ 2005	2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009	2009/ 2010	2010/ 2011	2011/ 2012	2012/ 2013E	2013/ 2014E	2014/ 2015E	2015/ 2016E	2016/ 2017E
Eastern Interconnection	FRCC	39,699	42,001	36,229	41,449	42,493	45,993	46,093	45,042	51,703	45,954	39,924	43,558	43,049	44,228	44,790	45,297
	NPCC	42,551	45,980	47,850	47,859	46,328	48,394	46,185	47,151	44,864	44,172	43,806	46,224	46,312	46,284	46,246	46,246
	Balance of Eastern Region	341,158	360,748	357,026	371,011	375,365	385,887	383,779	384,495	399,204	389,351	385,428	384,172	386,823	394,645	398,806	403,949
	ECAR	82,831	84,844	86,332	91,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAAC	39,458	46,159	45,625	45,565	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAIN	38,412	39,974	39,955	40,618	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,877	4,443	4,756	4,858	4,999	5,074	5,335
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	80,311	83,946	72,187	69,663	74,965	75,354	75,854
	MRO	21,575	23,090	24,042	24,446	32,854	34,582	34,358	34,539	33,983	NA	NA	NA	NA	NA	NA	NA
	PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	115,535	110,963	119,222	121,160	121,571	123,711	125,367
	RF[C]S	NA	NA	NA	NA	151,600	147,800	141,200	142,395	143,827	NA	NA	NA	NA	NA	NA	NA
	SERC	130,311	137,541	133,244	139,486	160,054	173,036	176,766	175,199	188,653	148,062	147,454	148,404	150,160	151,765	153,443	155,580
	SPP	28,571	29,140	27,828	29,096	30,857	30,469	31,455	32,362	32,741	40,566	38,622	39,602	40,983	41,345	41,225	41,812
ERCOT	TRE	43,908	44,719	41,988	44,010	46,991	46,038	46,068	46,747	56,191	55,917	50,100	51,319	50,263	50,533	53,378	54,363
Western Interconnection	WECC	95,395	94,554	100,337	101,002	105,670	107,586	113,504	110,977	106,256	99,515	107,568	105,833	108,029	109,938	111,530	112,361
All Interconnections	Contiguous U.S.	562,711	588,002	583,430	605,331	616,847	633,898	635,629	634,412	658,219	634,909	626,826	631,106	634,476	645,628	654,750	662,216

  

Interconnection	NERC Regional Assesment Area	Capacity Resources[2] -- Winter															
		Actual								Projected							
		2001/ 2002	2002/ 2003	2003/ 2004	2004/ 2005	2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009	2009/ 2010	2010/ 2011	2011/ 2012	2012/ 2013E	2013/ 2014E	2014/ 2015E	2015/ 2016E	2016/ 2017E
Eastern Interconnection	FRCC	44,336	46,219	50,010	51,196	49,066	56,896	57,510	53,278	52,751	57,358	56,466	54,299	54,911	58,001	56,784	57,667
	NPCC	66,314	68,884	73,123	74,277	76,076	76,110	75,772	79,394	78,992	70,557	72,741	77,919	79,604	77,342	77,379	75,486
	Balance of Eastern Region	488,418	511,642	524,995	538,041	545,850	547,005	537,094	545,843	567,746	573,274	544,706	560,445	571,643	572,501	567,120	570,417
	ECAR	115,926	123,823	129,351	131,187	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAAC	63,604	66,143	68,134	69,604	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAIN	63,209	66,694	68,942	66,414	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,941	4,960	5,656	6,303	6,338	6,460	6,497
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	129,241	98,329	106,643	106,553	106,514	106,577	106,450
	MRO	30,809	33,224	32,769	34,371	44,620	46,959	44,987	47,343	46,422	NA	NA	NA	NA	NA	NA	NA
	PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	167,647	170,077	174,641	173,925	172,681	167,544	167,623
	RF[C]S	NA	NA	NA	NA	229,000	220,930	212,257	215,477	215,700	NA	NA	NA	NA	NA	NA	NA
	SERC	169,580	174,925	179,810	186,784	224,652	231,917	229,627	234,797	255,527	207,558	212,063	214,479	224,397	225,810	225,383	228,787
	SPP	45,290	46,833	45,989	49,681	47,578	47,199	50,223	48,226	50,097	61,888	59,276	59,028	60,465	61,159	61,156	61,059
ERCOT	TRE	72,644	73,335	77,111	71,902	61,003	71,451	75,504	73,910	69,490	77,660	69,202	74,215	75,444	75,446	76,879	78,968
Western Interconnection	WECC	119,254	132,278	152,158	149,360	152,211	166,362	167,770	167,312	151,022	156,413	150,091	147,378	153,118	154,411	157,185	155,875
All Interconnections	Contiguous U.S.	790,966	832,358	877,397	884,776	884,206	917,824	913,650	919,736	920,002	935,262	893,206	914,257	934,721	937,702	935,347	938,414

Table 4.B Winter net internal demand, capacity resources, and capacity margins by North American Electric Reliability Corporation Region, 2001-2011 actual, 2012-2016 projected (cont.)

megawatts and percent

Interconnection	NERC Regional Assessment Area	Capacity Margin (percent)[3] -- Winter															
		Actual										Projected					
		2001/ 2002	2002/ 2003	2003/ 2004	2004/ 2005	2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009	2009/ 2010	2010/ 2011	2011/ 2012	2012/ 2013E	2013/ 2014E	2014/ 2015E	2015/ 2016E	2016/ 2017E
Eastern Interconnection	FRCC	10.5	9.1	27.6	19.0	13.4	19.2	19.9	15.5	2.0	19.9	29.3	19.8	21.6	23.7	21.1	21.5
	NPCC	35.8	33.3	34.6	35.6	39.1	36.4	39.0	40.6	43.2	37.4	39.8	40.7	41.8	40.2	40.2	38.7
	Balance of Eastern Region	30.2	29.5	32.0	31.0	31.2	29.5	28.5	29.6	29.7	32.1	29.2	31.5	32.3	31.1	29.7	29.2
	ECAR	28.5	31.5	33.3	30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAAC	38.0	30.2	33.0	34.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAIN	39.2	40.1	42.0	38.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.7	10.4	15.9	22.9	21.1	21.5	17.9
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.9	14.6	32.3	34.6	29.6	29.3	28.7
	MRO	30.0	30.5	26.6	28.9	26.4	26.4	23.6	27.0	26.8	NA	NA	NA	NA	NA	NA	NA
	PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.9	14.6	32.3	34.6	29.6	29.3	28.7
	RFC[5]	NA	NA	NA	NA	33.8	33.1	33.5	33.9	33.3	NA	NA	NA	NA	NA	NA	NA
	SERC	23.2	21.4	25.9	25.3	28.8	25.4	23.0	25.4	26.2	28.7	30.5	30.8	33.1	32.8	31.9	32.0
	SPP	36.9	37.8	39.5	41.4	35.1	35.4	37.4	32.9	34.6	34.5	34.8	32.9	32.2	32.4	32.6	31.5
ERCOT	TRE	39.6	39.0	45.5	38.8	23.0	35.6	39.0	36.8	19.1	28.0	27.6	30.9	33.4	33.0	30.6	31.2
Western Interconnection	WECC	20.0	28.5	34.1	32.4	30.6	35.3	32.3	33.7	29.6	36.4	28.3	28.2	29.4	28.8	29.0	27.9
All Interconnections	Contiguous U.S.	28.9	29.4	33.5	31.6	30.2	30.9	30.4	31.0	28.5	32.1	29.8	31.0	32.1	31.1	30.0	29.4

[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/cneaf/electricity/page/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."