

Table 4.B Winter net internal demand, capacity resources, and capacity margins by North American Electric Reliability Corporation Region, 2001/2002-2014/2015 actual, 2015-2017 projected

megawatts and percent

Interconnection	NERC Regional Assessment 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/ 2013	2013/ 2014	2014/ 2015	2015/ 2016E	2016/ 2017E
	FRCC	39,699	42,001	36,229	41,449	42,493	45,993	46,093	45,042	51,703	45,954	39,924	46,456	39,124	42,822	45,600	46,019
	NPCC	42,551	45,980	47,850	47,859	46,328	48,394	46,185	47,151	44,864	44,172	43,806	46,008	47,186	45,204	45,592	45,792
	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	407,717	404,248	428,714	403,982	408,481
	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	5,726	5,304	5,294	5,568	5,732
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	80,311	83,946	77,364	109,400	104,713	103,611	105,407	
	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	115,535	110,963	132,229	140,510	143,086	131,721	133,442	
	RFC[5]	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	151,097	109,866	138,694	126,884	128,480
Eastern Interconnection	SPP	28,571	29,140	27,828	29,096	30,857	30,469	31,455	32,362	32,741	40,566	38,622	41,301	39,168	36,927	36,198	35,420
ERCOT	TRE	43,908	44,719	41,988	44,010	46,991	46,038	46,068	46,747	56,191	55,917	50,100	54,390	57,256	58,419	53,719	54,579
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	109,058	110,765	104,205	109,983	110,689
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	663,629	658,579	679,364	658,876	665,560

Interconnection	NERC Regional Assessment 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/ 2013	2013/ 2014	2014/ 2015	2015/ 2016E	2016/ 2017E
	FRCC	44,336	46,219	50,010	51,196	49,066	56,896	57,510	53,278	52,751	57,358	56,466	57,557	58,155	58,155	58,284	55,688
	NPCC	66,314	68,884	73,123	74,277	76,076	76,110	75,772	79,394	78,992	70,557	72,741	79,173	78,433	79,944	75,099	75,104
	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	581,939	592,780	561,762	551,880	551,243
	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	6,480	6,951	6,974	7,075	7,166
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	129,241	98,329	110,600	111,259	139,904	145,670	142,321	
	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	
	PJM	NA	NA	NA	NA	NA	NA	NA	NA	167,647	170,077	184,185	188,684	181,680	177,336	181,426	
	RFC[5]	NA	NA	NA	NA	229,000	220,930	212,257	215,477	215,700	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	209,755	212,265	168,633	162,143	161,567
Eastern Interconnection	SPP	45,290	46,833	45,989	49,681	47,578	47,199	50,223	48,226	50,097	61,888	59,276	70,919	73,621	64,571	59,656	58,763
ERCOT	TRE	72,644	73,335	77,111	71,902	61,003	71,451	75,504	73,910	69,490	77,660	69,202	74,107	76,811	76,811	77,714	77,714
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	154,380	150,805	151,805	157,723	157,987
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	947,156	956,984	928,477	920,700	917,736

Table 4.B Winter net internal demand, capacity resources, and capacity margins by North American Electric Reliability Corporation Region, 2001/2002-2014/2015 actual, 2015-2017 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/ 2013	2013/ 2014	2014/ 2015	2015/ 2016E	2016/ 2017E
	FRCC	10.5	9.1	27.6	19.0	13.4	19.2	19.9	15.5	2.0	19.9	29.3	19.3	32.7	26.4	21.8	17.4
	NPCC	35.8	33.3	34.6	35.6	39.1	36.4	39.0	40.6	43.2	37.4	39.8	41.9	39.8	43.5	39.3	39.0
	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	29.9	31.8	23.7	26.8	25.9
	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	11.6	23.7	24.1	21.3	20.0
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.9	14.6	30.1	1.7	25.2	28.9	25.9
	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	28.2	25.5	21.2	25.7	26.4
	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	28.0	48.2	17.8	21.7	20.5
Eastern Interconnection	SPP	36.9	37.8	39.5	41.4	35.1	35.4	37.4	32.9	34.6	34.5	34.8	41.8	46.8	42.8	39.3	39.7
ERCOT	TRE	39.6	39.0	45.5	38.8	23.0	35.6	39.0	36.8	19.1	28.0	27.6	26.6	25.5	23.9	30.9	29.8
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	29.4	26.6	31.4	30.3	29.9
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	29.9	31.2	26.8	28.4	27.5

[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. Margins may be less straightforward than in previous decades due to increases in demand-side resource availability and renewable capacity.

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."