Form EIA-411 for 2011

Released: January 2013 Next Update: November 2013

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

megawatts

NERC Regional Assesment Area

January

Actual																
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
FRCC	39,860	37,127	27,122	38,581	37,521	40,258	39,675	45,033	35,545	41,247	34,464	38,352	41,705	44,945	53,093	46,086
NPCC	41,680	41,208	40,009	44,199	45,227	43,553	42,039	45,987	66,215	47,041	43,661	45,002	46,803	45,047	43,849	45,395
Balance of																
Eastern Region	322,095	335,954	307,784	343,981	347,724	349,937	340,525	377,419	371,550	381,698	347,411	372,213	390,909	398,854	400,873	396,044
ECAR	78,358	83,597	76,492	83,849	83,670	82,378	79,963	86,339	86,854	NA	NA	NA	NA	NA	NA	NA
MAAC	38,161	40,522	36,532	40,220	42,442	41,142	39,458	46,239	45,625	NA	NA	NA	NA	NA	NA	NA
MAIN	36,328	36,976	35,928	37,442	39,238	39,491	38,841	42,287	42,231	NA	NA	NA	NA	NA	NA	NA
MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,109	4,714
MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85,265	85,090
MRO	23,387	24,434	24,687	25,200	22,995	21,815	22,024	23,396	23,984	32,236	37,056	32,132	34,462	34,779	NA	NA
PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	109,179	110,511
RFC	NA	NA	NA	NA	NA	NA	NA	NA	NA	154,200	149,252	138,300	142,395	146,139	NA	NA
SERC	99,060	123,494	109,832	130,513	132,964	137,072	131,754	150,308	143,846	166,190	134,239	171,640	182,758	186,066	158,825	154,938
SPP	46,801	26,931	24,313	26,757	26,415	28,039	28,485	28,850	29,010	29,072	26,864	30,141	31,294	31,870	42,496	40,791
TRE	36,818	41,280	35,906	39,537	39,075	42,995	43,901	45,433	42,698	40,966	38,604	50,404	46,099	46,166	55,878	51,463
WECC	95,306	95,886	95,102	91,641	95,673	96,766	96,555	92,602	102,049	102,464	99,571	107,097	110,395	100,195	97,439	107,517
Contiguous																
U.S.	539,319	551,455	505,923	557,939	565,220	573,509	562,695	606,474	618,057	613,416	563,711	613,068	635,911	635,206	651,132	646,504
	NPCC Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO PJM RFC SERC SPP TRE WECC Contiguous	FRCC 39,860 NPCC 41,680 Balance of Eastern Region 322,095 ECAR 78,358 MAAC 38,161 MAIN 36,328 MAPP NA MISO NA MRO 23,387 PJM NA RFC NA SERC 99,060 SPP 46,801 TRE 36,818 WECC 95,306 Contiguous	FRCC 39,860 37,127 NPCC 41,680 41,208 Balance of Eastern Region 322,095 335,954 ECAR 78,358 83,597 MAAC 38,161 40,522 MAIN 36,328 36,976 MAPP NA NA MISO NA NA MRO 23,387 24,434 PJM NA NA RFC NA NA SERC 99,060 123,494 SPP 46,801 26,931 TRE 36,818 41,280 WECC 95,306 95,886 Contiguous	FRCC 39,860 37,127 27,122 NPCC 41,680 41,208 40,009 Balance of Eastern Region 322,095 335,954 307,784 ECAR 78,358 83,597 76,492 MAAC 38,161 40,522 36,532 MAIN 36,328 36,976 35,928 MAPP NA NA NA MRO 23,387 24,434 24,687 PJM NA NA NA RFC NA NA NA SERC 99,060 123,494 109,832 SPP 46,801 26,931 24,313 TRE 36,818 41,280 35,906 WECC 95,306 95,886 95,102 Contiguous	FRCC 39,860 37,127 27,122 38,581 NPCC 41,680 41,208 40,009 44,199 Balance of Eastern Region 322,095 335,954 307,784 343,981 ECAR 78,358 83,597 76,492 83,849 MAAC 38,161 40,522 36,532 40,220 MAIN 36,328 36,976 35,928 37,442 MAPP NA NA NA NA MRO 23,387 24,434 24,687 25,200 PJM NA NA NA NA RFC NA NA NA NA SERC 99,060 123,494 109,832 130,513 SPP 46,801 26,931 24,313 26,757 TRE 36,818 41,280 35,906 39,537 WECC 95,306 95,886 95,102 91,641	FRCC 39,860 37,127 27,122 38,581 37,521 NPCC 41,680 41,208 40,009 44,199 45,227 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 ECAR 78,358 83,597 76,492 83,849 83,670 MAAC 38,161 40,522 36,532 40,220 42,442 MAIN 36,328 36,976 35,928 37,442 39,238 MAPP NA NA NA NA NA MISO NA NA NA NA NA MRO 23,387 24,434 24,687 25,200 22,995 PJM NA NA NA NA NA RFC NA NA NA NA NA SERC 99,060 123,494 109,832 130,513 132,964 SPP 46,801 26,931 24,313 26,757 26,415 <	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 MAAC 38,161 40,522 36,532 40,220 42,442 41,142 MAIN 36,328 36,976 35,928 37,442 39,238 39,491 MAPP NA NA NA NA NA NA MISO NA NA NA NA NA NA MRO 23,387 24,434 24,687 25,200 22,995 21,815 PJM NA NA NA NA NA NA RFC NA NA NA NA NA NA SPP 46,801 26,931	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 MAAC 38,161 40,522 36,532 40,220 42,442 41,142 39,458 MAIN 36,328 36,976 35,928 37,442 39,238 39,491 38,841 MAPP NA	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 377,419 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 MAAC 38,161 40,522 36,532 40,220 42,442 41,142 39,458 46,239 MAIN 36,328 36,976 35,928 37,442 39,238 39,491 38,841 42,287 MAPP NA NA	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 MAAC 38,161 40,522 36,532 40,220 42,442 41,142 39,458 46,239 45,625 MAIN 36,328 36,976 35,928 37,442 39,238 39,491 38,841 42,287 42,231 MAPP NA NA	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,247 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 381,698 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 NA MAAC 38,161 40,522 36,532 40,220 42,442 41,142 39,458 46,239 45,625 NA MAIN 36,328 36,976 35,928 37,442 39,238 39,491 38,841 42,287 42,231 NA MAPP NA NA	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,247 34,646 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 NA NA MAAC 38,161 40,522 36,532 40,220 42,442 41,142 39,458 46,239 45,625 NA NA MAIN 36,328 36,976 35,928 37,442 39,238 39,491 38,841 42,287 42,231 NA NA MAPP NA NA NA NA NA NA NA NA NA<	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,247 34,464 38,352 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 45,002 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 372,213 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 NA NA <td>FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,247 34,464 38,352 41,705 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 45,002 46,803 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 372,213 390,909 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 NA NA</td> <td>FRCC 39,86 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,47 34,464 38,352 41,705 44,945 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 45,002 46,803 45,047 Balance of Easterneegion 322,095 355,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 372,213 390,909 398,854 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,859 NA NA</td> <td>FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,247 34,464 38,352 41,705 44,945 53,093 NPCC 41,680 41,280 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 45,002 46,803 45,047 43,849 Balance of Eastern Region 322,095 335,954 307,848 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 372,213 390,009 398,854 400,873 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 NA NA</td>	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,247 34,464 38,352 41,705 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 45,002 46,803 Balance of Eastern Region 322,095 335,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 372,213 390,909 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 NA	FRCC 39,86 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,47 34,464 38,352 41,705 44,945 NPCC 41,680 41,208 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 45,002 46,803 45,047 Balance of Easterneegion 322,095 355,954 307,784 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 372,213 390,909 398,854 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,859 NA NA	FRCC 39,860 37,127 27,122 38,581 37,521 40,258 39,675 45,033 35,545 41,247 34,464 38,352 41,705 44,945 53,093 NPCC 41,680 41,280 40,009 44,199 45,227 43,553 42,039 45,987 66,215 47,041 43,661 45,002 46,803 45,047 43,849 Balance of Eastern Region 322,095 335,954 307,848 343,981 347,724 349,937 340,525 377,419 371,550 381,698 347,411 372,213 390,009 398,854 400,873 ECAR 78,358 83,597 76,492 83,849 83,670 82,378 79,963 86,339 86,854 NA

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page: http://www.eia.gov/electricity/data/eia411/

- Projected data are updated annually.
- Peak load represents an hour of a day during the associated peak period.
- 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."