Table 4.A. Summer net internal demand, capacity resources, and capacity margins by North American Electric Reliability Corporation Region 1999 through 2014 actual, 2015-2016 projected

megawatts and percent

NERC Regional Assesment Area																											
Actual																									Projected		
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015E	2016
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	45,522	44,798	44,338	44,653	46,025	46,452	47,30
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	56,232	62,313	58,319	61,335	54,225	60,133	60,47
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	453,436	466,360	468,092	453,202	429,615	466,177	472,93
ECAR	79370	79948	80536	83530	84967	85643	88573	91103	92359	94072	98651	100235	101251	98487	95300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
MAAC	43341	43794	44348	44198	44571	45224	45628	46548	47626	49325	51358	54015	54296	53566	52049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
MAIN	40466	41083	41304	42001	42611	43229	44470	45194	45570	47165	51845	53032	53267	53617	50499	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
MAPP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,493	4,641	5,051	5,112	4,488	4,965	5,15
MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100,963	98,290	96,769	121,124	113,507	126,257	128,08
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	NA	NA	NA	NA	NA	NA	N
PJM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	135,142	146,443	154,339	157,509	141,678	155,544	157,91
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	NA	NA	NA	NA	NA	NA	N
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	160,896	161,995	161,687	121,810	123,866	131,395	133,23
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	51,942	54,991	50,246	47,647	46,076	48,016	48,54
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	64,378	68,416	66,548	67,245	66,454	69,057	70,01
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	126,944	117,755	130,465	132,875	127,092	133,182	134,08
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	746,513	759,642	767,762	759,310	723,411	775,001	784,80
NERC Regional Assesment Area Capacity Resources (MW)[2] Summer																											
	1000	1001																									
		1991		1002	1004	1005	1000	1007	1000	1000	Actua		2002	2002	2004	2005	2000	2007	2000	2000	2010	2011	2012	2012	2014	Projec	
FRCC	33,549		1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015E	2016
NPCC		33,669	34,565	36,225	37,577	38,282	38,237	39,613	39,708	40,645	2000 43,083	2001 42,290	43,342	46,806	48,579	50,200	50,909	53,027	51,541	49,239	53,370	54,340	53,588	54,073	54,204	2015E 55,663	2016 53,20
	60,878	33,669 59,972									2000	2001														2015E	2016 53,20
Balance of			34,565	36,225	37,577	38,282	38,237	39,613	39,708	40,645	2000 43,083	2001 42,290	43,342	46,806	48,579	50,200	50,909	53,027	51,541	49,239	53,370	54,340	53,588	54,073	54,204	2015E 55,663	2016 53,20
			34,565	36,225	37,577	38,282	38,237	39,613	39,708	40,645	2000 43,083	2001 42,290	43,342	46,806	48,579	50,200	50,909	53,027	51,541	49,239	53,370	54,340	53,588	54,073	54,204 70,122	2015E 55,663	2016 53,20
Balance of	60,878	59,972	34,565 61,960	36,225 62,049	37,577 61,906	38,282 62,368	38,237 58,592	39,613 60,729	39,708 60,439	40,645 63,077	2000 43,083 63,376	2001 42,290 63,760	43,342 66,208	46,806 70,902	48,579 71,532	50,200 72,258	50,909 73,095	53,027 73,771	51,541 75,894	49,239 78,639	53,370 67,569	54,340 72,277	53,588 76,525	54,073 72,817	54,204 70,122	2015E 55,663 71,741	2016 53,20 72,10
Balance of Eastern Region ECAR	60,878	59,972 416,948	34,565 61,960 419,921	36,225 62,049 424,832	37,577 61,906 430,348	38,282 62,368 441,577	38,237 58,592 443,268	39,613 60,729 446,055	39,708 60,439 449,465	40,645 63,077 460,325	43,083 63,376 490,333	2001 42,290 63,760 487,950	43,342 66,208 504,357	46,806 70,902 513,382	48,579 71,532 526,454	50,200 72,258 532,917	50,909 73,095 534,270	53,027 73,771	51,541 75,894 539,936	49,239 78,639 559,823	53,370 67,569 570,396	54,340 72,277 549,067	53,588 76,525	54,073 72,817 576,118	54,204 70,122 556,772	2015E 55,663 71,741 548,947	2016 53,20 72,10 547,09 N
Balance of Eastern Region ECAR MAAC	60,878 411,472 97588	59,972 416,948 98993	34,565 61,960 419,921 100027	36,225 62,049 424,832 101910	37,577 61,906 430,348 101605	38,282 62,368 441,577 103003	38,237 58,592 443,268 104953	39,613 60,729 446,055 105106	39,708 60,439 449,465 105545	40,645 63,077 460,325 107451	2000 43,083 63,376 490,333 115379	2001 42,290 63,760 487,950 113136	43,342 66,208 504,357 119736	46,806 70,902 513,382 123755	48,579 71,532 526,454 127919	50,200 72,258 532,917 NA	50,909 73,095 534,270 NA	53,027 73,771	51,541 75,894 539,936 NA	49,239 78,639 559,823 NA	53,370 67,569 570,396 NA	54,340 72,277 549,067 NA	53,588 76,525	54,073 72,817 576,118 NA	54,204 70,122 556,772 NA	2015E 55,663 71,741 548,947 NA	2016 53,20 72,10 547,09 N
Balance of Eastern Region ECAR MAAC MAIN MAPP	60,878 411,472 97588 54132	59,972 416,948 98993 55347	34,565 61,960 419,921 100027 55272	36,225 62,049 424,832 101910 55328	37,577 61,906 430,348 101605 56271	38,282 62,368 441,577 103003 56881	38,237 58,592 443,268 104953 56774	39,613 60,729 446,055 105106 56155	39,708 60,439 449,465 105545 55511	40,645 63,077 460,325 107451 57831	2000 43,083 63,376 490,333 115379 60679	2001 42,290 63,760 487,950 113136 59533	43,342 66,208 504,357 119736 63619	46,806 70,902 513,382 123755 65897	48,579 71,532 526,454 127919 66167	50,200 72,258 532,917 NA NA	50,909 73,095 534,270 NA NA	53,027 73,771	51,541 75,894 539,936 NA	49,239 78,639 559,823 NA NA	53,370 67,569 570,396 NA NA	54,340 72,277 549,067 NA NA	53,588 76,525 581,034 NA	54,073 72,817 576,118 NA	54,204 70,122 556,772 NA NA	2015E 55,663 71,741 548,947 NA NA	2016 53,20 72,10 547,09 N N
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO	60,878 411,472 97588 54132 48244	59,972 416,948 98993 55347 48471	34,565 61,960 419,921 100027 55272 49104	36,225 62,049 424,832 101910 55328 50333	37,577 61,906 430,348 101605 56271 50963	38,282 62,368 441,577 103003 56881 52112	38,237 58,592 443,268 104953 56774 52880	39,613 60,729 446,055 105106 56155 52160	39,708 60,439 449,465 105545 55511 52722	40,645 63,077 460,325 107451 57831 55984	490,333 490,333 115379 60679 64170	2001 42,290 63,760 487,950 113136 59533 65950	43,342 66,208 504,357 119736 63619 67025	46,806 70,902 513,382 123755 65897 67410	48,579 71,532 526,454 127919 66167 65677	50,200 72,258 532,917 NA NA	50,909 73,095 534,270 NA NA	53,027 73,771 543,608 NA NA	51,541 75,894 539,936 NA NA	49,239 78,639 559,823 NA NA	53,370 67,569 570,396 NA NA	54,340 72,277 549,067 NA NA	53,588 76,525 581,034 NA NA	54,073 72,817 576,118 NA NA NA	54,204 70,122 556,772 NA NA	2015E 55,663 71,741 548,947 NA NA	2016 53,20 72,10 547,09 N N N
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO	60,878 411,472 97588 54132 48244 NA NA 32,063	59,972 416,948 98993 55347 48471	34,565 61,960 419,921 100027 55272 49104 NA	36,225 62,049 424,832 101910 55328 50333 NA	37,577 61,906 430,348 101605 56271 50963 NA	38,282 62,368 441,577 103003 56881 52112 NA	38,237 58,592 443,268 104953 56774 52880 NA	39,613 60,729 446,055 105106 56155 52160 NA	39,708 60,439 449,465 105545 55511 52722 NA	40,645 63,077 460,325 107451 57831 55984	2000 43,083 63,376 490,333 115379 60679 64170 NA	2001 42,290 63,760 487,950 113136 59533 65950	43,342 66,208 504,357 119736 63619 67025 NA	46,806 70,902 513,382 123755 65897 67410 NA	48,579 71,532 526,454 127919 66167 65677 NA	50,200 72,258 532,917 NA NA NA	50,909 73,095 534,270 NA NA NA	53,027 73,771 543,608 NA NA	51,541 75,894 539,936 NA NA NA	49,239 78,639 559,823 NA NA NA	53,370 67,569 570,396 NA NA NA 7,210	54,340 72,277 549,067 NA NA NA 5,244	53,588 76,525 581,034 NA NA NA	54,073 72,817 576,118 NA NA NA	54,204 70,122 556,772 NA NA NA 6,243	2015E 55,663 71,741 548,947 NA NA NA 0,702 144,760 NA	2016 53,20 72,10 547,09 N N N 6,89 141,64
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO	60,878 411,472 97588 54132 48244 NA	59,972 416,948 98993 55347 48471 NA	34,565 61,960 419,921 100027 55272 49104 NA	36,225 62,049 424,832 101910 55328 50333 NA	37,577 61,906 430,348 101605 56271 50963 NA	38,282 62,368 441,577 103003 56881 52112 NA	38,237 58,592 443,268 104953 56774 52880 NA	39,613 60,729 446,055 105106 56155 52160 NA	39,708 60,439 449,465 105545 55511 52722 NA	40,645 63,077 460,325 107451 57831 55984 NA	2000 43,083 63,376 490,333 115379 60679 64170 NA	2001 42,290 63,760 487,950 113136 59533 65950 NA	43,342 66,208 504,357 119736 63619 67025 NA	46,806 70,902 513,382 123755 65897 67410 NA	48,579 71,532 526,454 127919 66167 05677 NA	50,200 72,258 532,917 NA NA NA	50,909 73,095 534,270 NA NA NA	53,027 73,771 543,608 NA NA NA	51,541 75,894 539,936 NA NA NA	49,239 78,639 559,823 NA NA NA	53,370 67,569 570,396 NA NA NA 7,210	54,340 72,277 549,067 NA NA NA 5,244 110,611	53,588 76,525 581,034 NA NA NA	54,073 72,817 576,118 NA NA NA 6,549 143,725	54,204 70,122 556,772 NA NA NA 6,243 143,725	2015E 55,663 71,741 548,947 NA NA NA 0,702 144,760 NA	2016 53,20 72,10 547,09 N N N 6,89 141,64
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO PJM RFC	60,878 411,472 97588 54132 48244 NA NA 32,063	59,972 416,948 98993 55347 48471 NA	34,565 61,960 419,921 100027 55272 49104 NA NA 32,411	36,225 62,049 424,832 101910 55328 50333 NA NA 31,964	37,577 61,906 430,348 101605 56271 50963 NA NA 32,267	38,282 62,368 441,577 103003 56881 52112 NA NA 32,665	38,237 58,592 443,268 104953 56774 52880 NA NA 33,121	39,613 60,729 446,055 105106 56155 52160 NA NA 34,027	39,708 60,439 449,465 105545 55511 52722 NA NA 34,773	40,645 63,077 460,325 107451 57831 55984 NA NA 35,373	2000 43,083 63,376 490,333 115379 60679 64170 NA NA 34,236	2001 42,290 63,760 487,950 113136 59533 65950 NA NA 32,271	43,342 66,208 504,357 119736 63619 67025 NA NA 34,259	46,806 70,902 513,382 123755 65897 67410 NA NA 33,287	48,579 71,532 526,454 127919 66167 65677 NA NA 35,830	50,200 72,258 532,917 NA NA NA NA NA	50,909 73,095 534,270 NA NA NA NA NA	53,027 73,771 543,608 NA	51,541 75,894 539,936 NA NA NA NA	49,239 78,639 559,823 NA NA NA NA NA NA NA NA	53,370 67,569 570,396 NA NA NA 7,210 131,691	54,340 72,277 549,067 NA NA NA 5,244 110,611	53,588 76,525 581,034 NA NA NA 6,065 112,085	54,073 72,817 576,118 NA NA NA 6,549 143,725	54,204 70,122 556,772 NA NA NA 6,243 143,725	2015E 55,663 71,741 548,947 NA NA NA 177,078 NA	2016 53,20 72,10 547,09 N N 6,89 141,64 N
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO PJM	60,878 411,472 97588 54132 48244 NA NA 32,063	59,972 416,948 98993 55347 48471 NA NA 31,975	34,565 61,960 419,921 100027 55272 49104 NA NA 32,411 NA	36,225 62,049 424,832 101910 55328 50333 NA NA 31,964	37,577 61,906 430,348 101605 56271 50963 NA NA 32,267	38,282 62,368 441,577 103003 56881 52112 NA NA 32,665	38,237 58,592 443,268 104953 56774 52880 NA NA 33,121	39,613 60,729 446,055 105106 56155 52160 NA NA 34,027	39,708 60,439 449,465 105545 55511 52722 NA NA 34,773	40,645 63,077 460,325 107451 57831 55984 NA NA 35,373 NA	2000 43,083 63,376 490,333 115379 60679 64170 NA NA 34,236 NA	2001 42,290 63,760 487,950 113136 59533 65950 NA NA 32,271	43,342 66,208 504,357 119736 63619 67025 NA NA 34,259	46,806 70,902 513,382 123755 65897 67410 NA NA 33,287	48,579 71,532 526,454 127919 66167 65677 NA NA 35,830 NA	50,200 72,258 532,917 NA	50,909 73,095 534,270 NA NA NA NA NA	53,027 73,771 543,608 NA	51,541 75,894 539,936 NA NA NA NA NA	49,239 78,639 559,823 NA NA NA NA NA NA NA NA	53,370 67,569 570,396 NA NA NA 7,210 131,691 NA 167,647	54,340 72,277 549,067 NA NA NA 5,244 110,611 NA 170,066	53,588 76,525 581,034 NA NA NA 6,065 112,085 NA 187,305	54,073 72,817 576,118 NA NA NA 6,549 143,725 NA 188,684	54,204 70,122 556,772 NA NA 6,243 143,725 NA 181,680	2015E 55,663 71,741 548,947 NA NA NA 144,760 NA 177,078	2016 53,20 72,10 547,09 N N 6,89 141,64 N
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO PJM RFC	60,878 411,472 97588 54132 48244 NA NA 32,063 NA	59,972 416,948 98993 55347 48471 NA NA 31,975 NA	34,565 61,960 419,921 100027 55272 49104 NA NA 32,411 NA	36,225 62,049 424,832 101910 55328 50333 NA NA 31,964 NA	37,577 61,906 430,348 101605 56271 50963 NA NA 32,267 NA	38,282 62,368 441,577 103003 56881 52112 NA NA 32,665 NA	38,237 58,592 443,268 104953 56774 52880 NA NA 33,121 NA	39,613 60,729 446,055 105106 56155 52160 NA NA 34,027 NA	39,708 60,439 449,465 105545 55511 52722 NA NA 34,773 NA	40,645 63,077 460,325 107451 57831 55984 NA NA 35,373 NA	2000 43,083 63,376 490,333 115379 60679 64170 NA NA 34,236 NA	2001 42,290 63,760 487,950 113136 59533 65950 NA NA 32,271 NA	43,342 66,208 504,357 119736 63619 67025 NA NA 34,259 NA	46,806 70,902 513,382 123755 65897 67410 NA NA 33,287 NA	48,579 71,532 526,454 127919 66167 65677 NA NA 35,830 NA NA	50,200 72,258 532,917 NA NA NA NA NA 200,000	50,909 73,095 534,270 NA NA NA NA NA NA 214,693	53,027 73,771 543,608 NA NA NA NA NA NA 213,544	51,541 75,894 539,936 NA NA NA NA A8,180 NA 215,477	49,239 78,639 559,823 NA NA NA NA NA 215,700	53,370 67,569 570,396 NA NA NA 7,210 131,691 NA 167,647	54,340 72,277 549,067 NA NA NA 5,244 110,611 NA 170,066	53,588 76,525 581,034 NA NA NA 12,085 NA 187,305 NA	54,073 72,817 576,118 NA NA NA 143,725 NA 188,684 NA	54,204 70,122 556,772 NA NA NA 6,243 143,725 NA 181,680	2015E 55,663 71,741 548,947 NA NA NA 177,072 144,760 NA 177,078 NA	2016 53,20 72,10 547,09 N N 6,89 141,64 N 181,16
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO PJM RFC SERC	60,878 411,472 97588 54132 48244 NA NA 32,063 NA NA	59,972 416,948 98993 55347 48471 NA NA 31,975 NA NA 114,690	34,565 61,960 419,921 100027 55272 49104 NA NA 32,411 NA NA 115,635	36,225 62,049 424,832 101910 55328 50333 NA NA 31,964 NA NA	37,577 61,906 430,348 101605 56271 50963 NA NA 32,267 NA NA 120,044	38,282 62,368 441,577 103003 56881 52112 NA NA 32,665 NA NA	38,237 58,592 443,268 104953 56774 52880 NA NA 33,121 NA NA	39,613 60,729 446,055 105106 56155 52160 NA NA 34,027 NA NA 155,016	39,708 60,439 449,465 105545 55511 52722 NA NA 34,773 NA NA 158,360	40,645 63,077 460,325 107451 57831 55984 NA NA 35,373 NA NA	2000 43,083 63,376 490,333 115379 60679 64170 NA NA 34,236 NA NA	2001 42,290 63,760 487,950 113136 59533 65950 NA NA 32,271 NA NA 171,530	43,342 66,208 504,357 119736 63619 67025 NA NA 34,259 NA NA 172,485	46,806 70,902 513,382 123755 65897 67410 NA NA 33,287 NA NA	48,579 71,532 526,454 127919 66167 65677 NA NA 35,830 NA NA 182,861	50,200 72,258 532,917 NA NA NA NA NA 200,000 219,749	50,909 73,095 534,270 NA NA NA NA NA 214,693 223,630	53,027 73,771 543,608 NA NA NA NA NA 213,544 234,232	51,541 75,894 539,936 NA NA NA NA NA 215,477 228,169	49,239 78,639 559,823 NA NA NA NA A NA 215,700 247,400	53,370 67,569 570,396 NA NA 7,210 131,691 NA 167,647 NA 200,511	54,340 72,277 549,067 NA NA NA 110,611 NA 170,066 NA 201,103	53,588 76,525 581,034 NA NA NA 6,065 112,085 NA 187,305 NA 201,786	54,073 72,817 576,118 NA NA NA 6,549 143,725 NA 188,684 NA	54,204 70,122 556,772 NA NA NA 6,243 143,725 NA 181,680 NA	2015E 55,663 71,741 548,947 NA NA NA 147,700 NA 177,078 NA 159,279	2016 53,20 72,10 547,09 N N 6,89 141,64 N 181,16
Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO PJM RFC SERC SPP	60,878 411,472 97588 54132 48244 NA NA 32,063 NA NA 112,112 67,333	59,972 416,948 98993 55347 48471 NA NA 31,975 NA NA 114,690 67,472	34,565 61,960 419,921 100027 55272 49104 NA NA 32,411 NA NA 115,635 67,472	36,225 62,049 424,832 101910 55328 50333 NA NA 31,964 NA NA 117,375 67,922	37,577 61,906 430,348 101605 56271 50963 NA NA 32,267 NA 120,044 69,198	38,282 62,368 441,577 103003 56881 52112 NA NA 32,665 NA NA 127,562 69,354	38,237 58,592 443,268 104953 56774 52880 NA NA 33,121 NA NA 126,196 69,344	39,613 60,729 446,055 105106 56155 52160 NA NA 34,027 NA NA 155,016 43,591	39,708 60,439 449,465 105545 55511 52722 NA NA 34,773 NA NA 158,360 42,554	40,645 63,077 460,325 107451 57831 55984 NA NA 35,373 NA NA 160,575 43,111	2000 43,083 63,376 490,333 115379 60679 64170 NA NA 34,236 NA NA 169,760 46,109 69,622	2001 42,290 63,760 487,950 113136 59533 65950 NA NA 32,271 NA NA 171,530 45,530	43,342 66,208 504,357 119736 63619 67025 NA NA 34,259 NA NA 172,485 47,233	46,806 70,902 513,382 123755 65897 67410 NA NA 33,287 NA NA 177,231	48,579 71,532 526,454 127919 66167 65677 NA NA 35,830 NA NA 182,861 48,000	50,200 72,258 532,917 NA NA NA NA A NA 200,000 219,749 46,376	50,909 73,095 534,270 NA NA NA NA S0,116 NA 214,693 223,630 45,831	53,027 73,771 543,608 NA NA NA NA NA 213,544 234,232 48,573	51,541 75,894 539,936 NA NA NA NA 215,477 228,169 48,110 74,274	49,239 78,639 559,823 NA NA NA NA 215,700 247,400 49,194 76,280	53,370 67,569 570,396 NA NA 7,210 131,691 NA 167,647 NA 200,511 63,337	54,340 72,277 549,067 NA NA NA 110,611 NA 170,066 NA 201,103 62,044	53,588 76,525 581,034 NA NA NA 12,085 NA 187,305 NA 201,786 73,793	54,073 72,817 576,118 NA NA NA 6,549 143,725 NA 188,684 NA 165,171 71,989 74,396	54,204 70,122 556,772 NA NA NA 6,243 143,725 NA 181,680 NA 159,822 65,302	2015E 55,663 71,741 548,947 NA NA NA 177,072 144,760 NA 177,078 NA 159,279 61,128	2016 53,20 72,10 547,09 N N 6,89 141,64 N 181,16 N 157,10 60,27
	FRCC NPCC Balance of Eastern Region ECAR MAAC MAIN MAPP MISO MRO PJM RFC SERC SPP TRE WECC Contiguous U.S.	1990	1990 1991 FRCC 27,162 27,773 NPCC 46,016 45,952 Balance of Eastern Region 332,679 337,297 ECAR 79370 79948 MAAC 43341 43794 MAIN 40466 41083 MAPP NA NA MISO NA NA MRO 24,055 26,168 PJM NA NA SERC 93,893 94,767 SPP 51,554 51,537 TRE 41,915 43,516 WECC 91,052 93,408 Contiguous U.S. 538,824 547,946 NERC Regional Assesment Area Assesment Area	Interview of the continuous of the continuo	FRCC 27,162 27,773 28,898 29,435 NPCC 46,016 45,952 46,007 46,380 Balance of Eastern Region 332,679 337,297 341,869 349,984 ECAR 79370 79948 80536 83530 MAAC 43341 43794 44348 44198 MAIN 40466 41083 41304 42001 MAPP NA NA NA NA NA MISO NA NA NA NA NA MRO 24,055 26,168 26,050 25,901 PJM NA NA NA NA NA RFC NA NA NA NA NA SERC 93,893 94,767 97,448 99,287 SPP 51,554 51,537 52,183 55,067 TRE 41,915 43,516 43,093 42,629 WECC 91,052 93,408 94,595 96,613 Contiguous U.S. 538,824 547,946 554,462 565,041	1990 1991 1992 1993 1994 FRCC 27,162 27,773 28,898 29,435 30,537 NPCC 46,016 45,952 46,007 46,380 47,465 Balance of Eastern Region 332,679 337,297 341,869 349,984 357,284 ECAR 79370 79948 80536 83530 84967 MAAC 43341 43794 44348 44198 44571 MAIN 40466 41083 41304 42001 42611 MAPP NA NA NA NA MISO NA NA NA NA MRO 24,055 26,168 26,050 25,901 26,855 PJM NA NA NA NA RFC NA NA NA NA SERC 93,893 94,767 97,448 99,287 101,885 SPP 51,554 51,537 52,183 55,067	FRCC 27,162 27,773 28,898 29,435 30,537 31,649 NPCC 46,016 45,952 46,007 46,380 47,465 48,290 Balance of Eastern Region 332,679 337,297 341,869 349,984 357,284 365,319 ECAR 79370 79948 80536 83530 84967 85643 MAAC 43341 43794 44348 44198 44571 45224 MAIN 40466 41083 41304 42001 42611 43229 MAPP NA NA NA NA NA NA MISO NA NA NA NA NA NA PJM NA NA NA NA NA NA RFC NA NA NA NA NA NA SERC 93,893 94,767 97,448 99,287 101,885 105,785 SPP 51,554 51,537 52,183	FRCC 27,162 27,773 28,898 29,435 30,537 31,649 31,868 NPCC 46,016 45,952 46,007 46,380 47,465 48,290 48,950 Balance of Eastern Region 332,679 337,297 341,869 349,984 357,284 365,319 374,256 ECAR 79370 79948 80536 83530 84967 85643 88573 MAAC 43341 43794 44348 44198 44571 45224 45628 MAIN 40466 41083 41304 42001 42611 43229 44470 MAPP NA NA NA NA NA NA NA MRO 24,055 26,168 26,050 25,901 26,855 27,487 27,298 PJM NA NA NA NA NA NA NA SERC 93,893 94,767 97,448 99,287 101,885 105,785 109,270	1990 1991 1992 1993 1994 1995 1996 1997 FRCC 27,162 27,773 28,898 29,435 30,537 31,649 31,868 32,874 NPCC 46,016 45,952 46,007 46,380 47,465 48,290 48,950 50,240 Balance of Eastern Region 332,679 337,297 341,869 349,984 357,284 365,319 374,256 383,043 ECAR 79370 79948 80536 83530 84967 85643 88573 91103 MAAC 43341 43794 44348 44198 44571 45224 45628 46548 MAIN 40466 41083 41304 42001 42611 43229 44470 45194 MAPP NA NA<	FRCC 27,162 27,773 28,898 29,435 30,537 31,649 31,868 32,874 34,562 NPCC 46,016 45,952 46,007 46,380 47,465 48,290 48,950 50,240 51,760 Balance of Eastern Region 332,679 337,297 341,869 349,984 357,284 365,319 374,256 383,043 389,869 ECAR 79370 79948 80536 83530 84967 85643 88573 91103 92359 MAAC 43341 43794 44348 44198 44571 45224 45628 46548 47626 MAIN 40466 41083 41304 42001 42611 43229 44470 45194 45570 MAPP NA NA NA NA NA NA NA	FRCC 27,162 27,773 28,898 29,435 30,537 31,649 31,868 32,874 34,562 34,832 NPCC 46,016 45,952 46,007 46,380 47,465 48,290 48,950 50,240 51,760 53,450 Eastern Region 332,679 337,297 341,869 349,984 357,284 365,319 374,256 383,043 389,869 401,701 ECAR 79370 79948 80536 83530 84967 85643 88573 91103 92359 94072 MAAC 43341 43794 44348 44198 44571 45224 45628 46548 47626 49325 MAIN 40466 41083 41304 42001 42611 43229 44470 45194 45570 47165 MAPP NA	Price Pric	PRICC 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	PRICE 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	Proc Proc	Processing Pro	FRCC 27,162 27,773 28,898 29,435 30,337 31,649 31,868 32,874 34,562 34,832 35,666 38,932 37,951 40,387 42,424 45,950 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 Balance fill 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 ECAR 79370 79948 80536 83530 84967 85643 88573 91103 92359 94072 98651 100235 101251 98487 95300 NA MAAC 43341 43794 44348 44198 44571 45224 45628 46548 47626 49325 51358 54015 54296 53566 52049 NA MAAPP NA NA NA NA NA NA NA	Procession Pro	Procession Pro	Part Part	PRICE PRIC	Part Part	Part Part	FIRCY 1.71 1.92 1.93 1.94 1.95 1.94 1.95 1.94 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95	FRICK 27.182 27.77 28.88 29.81 39.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 1	Part Part	Process Proc

Table 4.A. Summer net internal demand, capacity resources, and capacity margins by North American Electric Reliability Corporation Region 1999 through 2014 Actual, 2015-2016 Projected (cont.)

megawatts and percent

Interconnection	NERC Regional Assesment Area		Capacity Margin (percent)[3] Summer																									
			Actual															Projecte										
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015E	2016E
	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	14.7	17.6	17.3	17.4	15.1	16.5	11.1
	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	16.8	13.8	23.8	15.8	22.7	16.2	16.1
	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	20.5	15.1	19.4	21.3	22.8	15.1	13.6
	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	NA	NA	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	NA	NA	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	20.5	23.1	NA	NA	NA	NA	NA	NA	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	37.7	11.5	16.7	21.9	28.1	25.9	25.3
	MISO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.3	11.1	13.7	15.7	21.0	12.8	9.6
	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	NA	NA	NA	NA	NA	NA	NA
	РЈМ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.4	13.9	17.6	16.5	22.0	12.2	12.8
	RFC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.5	11.1	17.0	21.5	25.2	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	19.8	19.4	19.9	26.3	22.5	17.5	15.2
Eastern Interconnection	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	18.0	11.4	31.9	33.8	29.4	21.5	19.5
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	12.8	1.7	9.1	9.6	10.1	10.1	8.4
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	19.9	20.0	11.6	20.5	21.6	21.3	20.1
All Interconnections	Contiguous U.S.	21.6	20.9	20.5	19.9	18.7	18.9	17.5	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	19.2	14.9	17.6	19.6	21.1	16.0	14.4

[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. 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/electricity/data/eia411/

- Projected data are updated annually.
- \bullet 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."