2009 LOAD Forecast

2009
Load Forecast

Central Power
Electric Cooperative

Introduction

INTRODUCTION

The purpose of the 2009 Load Forecast (Load Forecast) is to develop a load forecast of Central Power Electric Cooperative's (Central Power) future electrical requirements.

Central Power is a transmission cooperative headquartered in Minot, North Dakota, whose service area covers central and southeast North Dakota. Central Power's six distribution cooperative members are listed below:

North Dakota 35, Burleigh	Capital Electric Cooperative
North Dakota 51, Dakota Valley	Dakota Valley Electric Cooperative
North Dakota 37, McLean	McLean Electric Cooperative
North Dakota 22, Bottineau	North Central Electric Cooperative
North Dakota 50, Foster	Northern Plains Electric Cooperative
North Dakota 17, McHenry	Verendrye Electric Cooperative

Capital Electric obtains approximately 25 percent of its total power requirements from Central Power; remaining power requirements are purchased from the Western Area Power Administration and Basin Electric Power Cooperative. *Only the Central Power component of Capital Electric's requirements is included in this study.*

This Load Forecast was prepared in accordance with the Rural Utilities Service (RUS) general guidelines and the procedures specified in the 2009 Load Forecast work plan submitted to and approved by RUS.

The Load Forecast process represents a joint effort by the distribution cooperatives, the generation and transmission cooperatives (G&T's) and Basin Electric. In order to assure that all segments of the cooperative structure were involved in the Load Forecast process, a Load Forecast steering committee was established consisting of representatives from the distribution cooperatives, the G&T's and Basin Electric.

The Load Forecast steering committee established the schedule and developed the procedures used in preparing the 2009 Load Forecast. RUS attendance and participation at the committee meetings provided a forum for the cooperatives and RUS to exchange ideas and discuss problems.

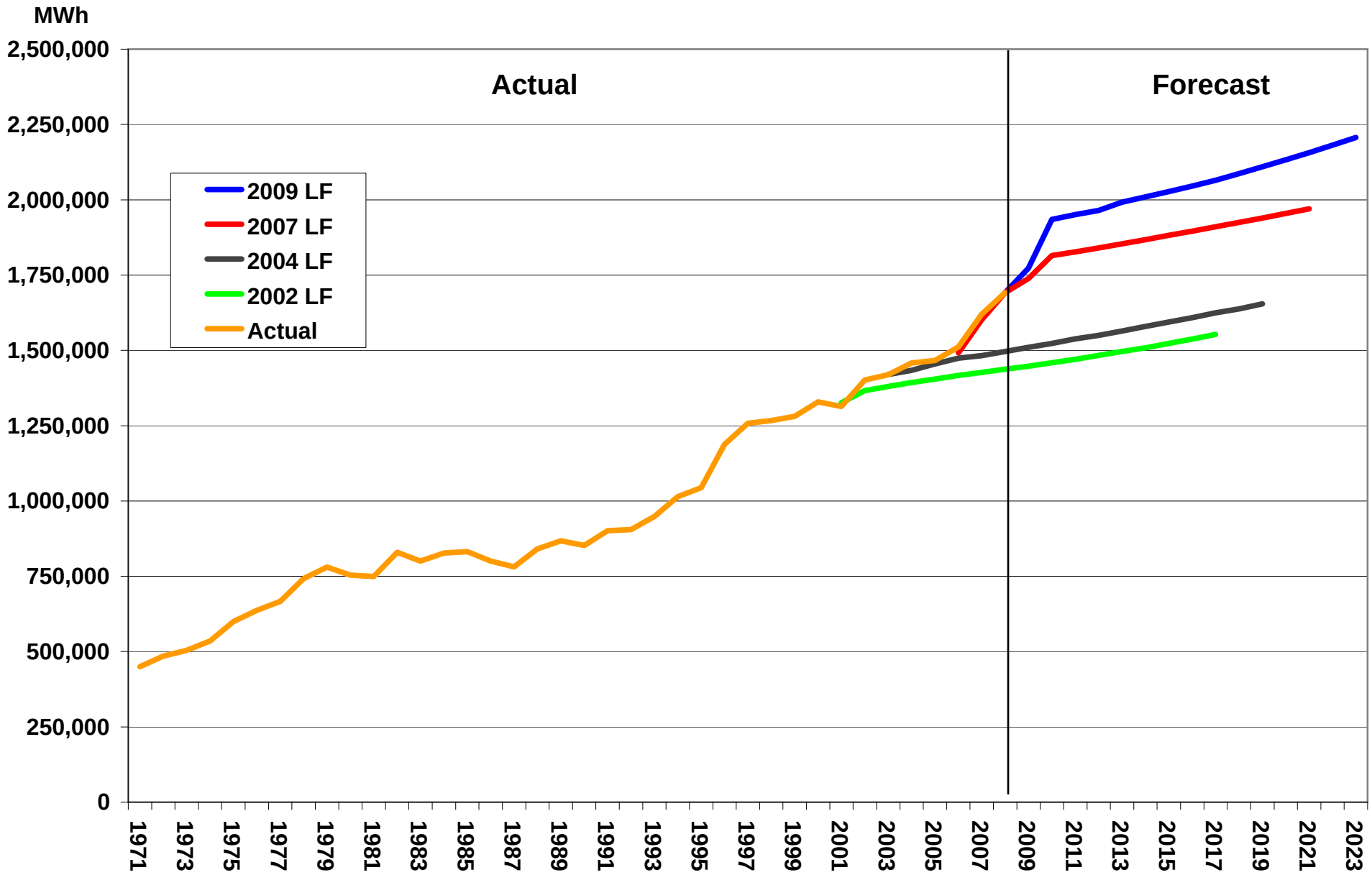
This Load Forecast represents a forecast of Central Power's total requirements for the period of 2008 through 2023. It was prepared by integrating the results of Central Power's individual distribution member Load Forecast's. Each of Central Power's members Load Forecast's was prepared utilizing consistent methodologies and assumptions that are explained in detail in each distribution cooperative study. The distribution cooperative's Load Forecast analyzed service territories for historical and projected developments, which have an influence on past and future load growth.

Summary and Comparison Graphs

Three graphs were developed to summarize and compare the results of the 2009 Load Forecast to prior load forecasts. Graph A compares the total energy requirements for Central Power. Graphs B and C compare the peak demands for the winter and summer seasons, respectively.

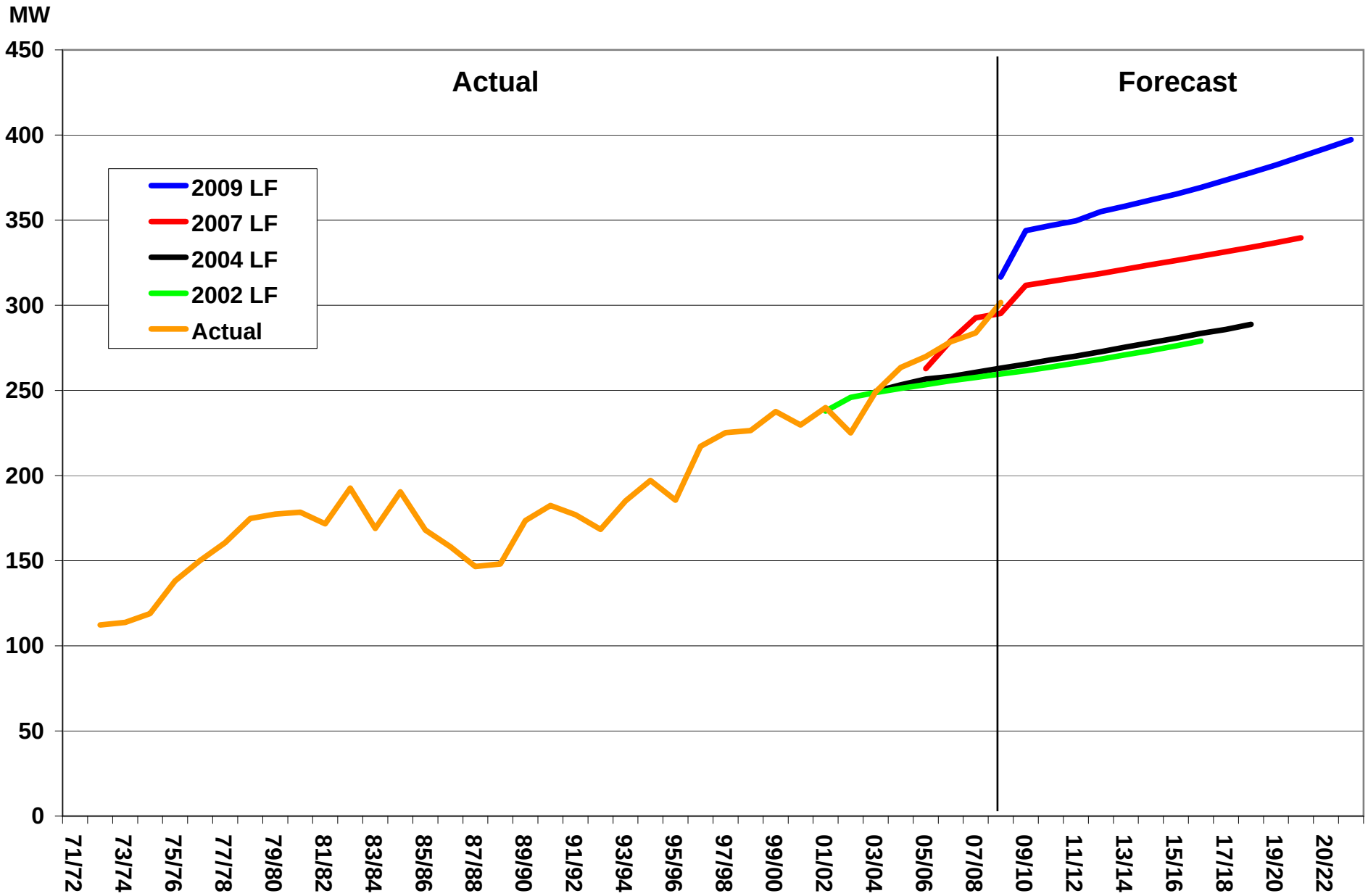
Central Power Total Energy Requirements

Graph A



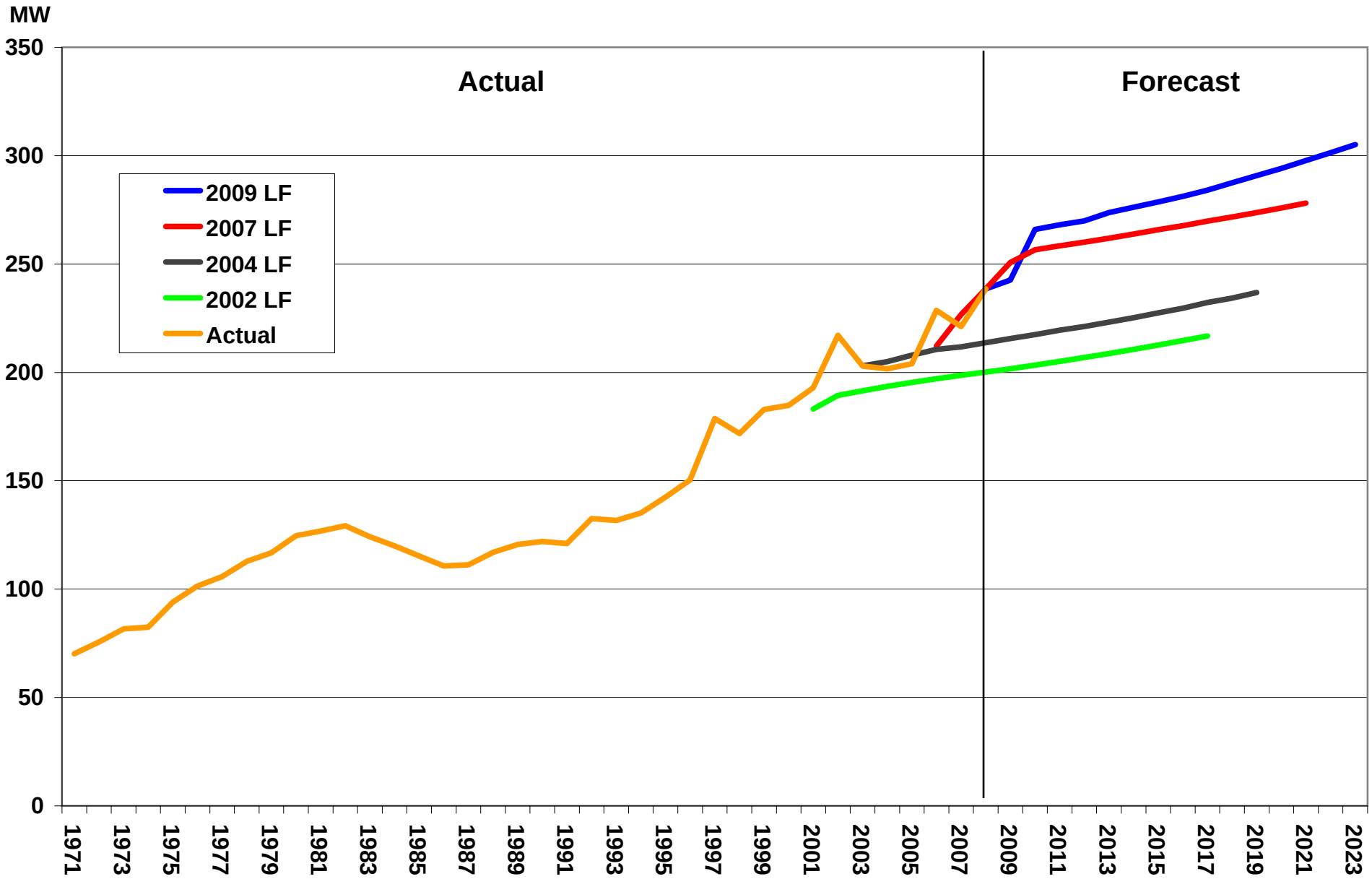
Central Power Peak Demand Winter Season

Graph B



Central Power Peak Demand Summer Season

Graph C



Forecast

CENTRAL POWER SALES TO MEMBERS

Central Power's sales forecast is based on the load forecast of its six distribution members. A synopsis of each member's forecast is included in the appendix of this report.

The power requirements identified in the members' Load Forecast's represent Central Power's sales. Table 1 outlines Central Power's historical and projected annual energy sales to member systems. The total sales are projected to increase at an average compound growth rate of 1.738 percent over the 2008 to 2023 forecast period.

Table 2 categorizes Central Power's annual energy sales according to the consumer classifications of its member systems. The indicated values represent the manner in which the member systems use the energy they purchase from Central Power. Graph 2 illustrates this information. The graph indicates that the majority of the member's energy requirements are attributable to residential and large commercial sales.

Residential sales represent approximately 40 percent of the members' total energy requirements in 2007. The residential sales are projected to increase at an average compound growth rate of 1.58 percent between 2008 and 2023.

The two factors that affect residential energy sales are the number of residential consumers and the energy use per consumer. Table 3 outlines the number of historic and projected residential consumers of Central Power's members. The total residential consumers are projected to increase by 6,440 between 2008 and 2023. This represents an average annual compound growth rate of 1.10 percent between 2008 and 2023. Graph 3 illustrates the changes in the number of residential consumers.

Table 4 outlines the historic and projected annual energy use per residential consumer. The annual energy usage per consumer is projected to increase which is assumed attributable to the marketing efforts of Central Power and its member systems, together with the projected increasing competitiveness of electricity as compared to alternate fuels. Other considerations are the convenience and safety associated with electricity usage. Graph 4 illustrates the change in the annual energy usage per consumer.

Tables 5 and 6 outline Central Power's seasonal demand sales to its member systems. The total values represent the highest demand during each season. The member values represent the demand of the individual members during the month that the total system peak occurs. The winter seasons consist of the November and December billing periods and the January through April billing periods of the following year. The summer seasons consist of the May through October billing periods. Commencing with the 1984 summer season, the indicated demands are on a coincident basis as Central Power adopted coincident billing at that time.

Central Power

Energy Sales To Members (MWh) — Table 1

Year	Capital *	Dakota Valley	McLean	North Central	Northern Plains	Verendrye	Total
1971	11,007	71,456	34,513	63,418	117,094	158,924	456,412
1972	13,334	78,371	36,951	68,554	128,419	167,435	493,064
1973	15,310	78,319	36,560	67,160	127,894	161,851	487,094
1974	16,113	94,997	39,789	73,277	142,552	170,211	536,939
1975	18,034	123,561	41,878	77,917	155,405	179,194	595,989
1976	20,556	134,769	47,328	82,800	166,183	182,302	633,938
1977	22,397	136,488	56,645	86,016	170,917	186,041	658,504
1978	25,688	154,441	67,774	95,276	182,889	195,739	721,807
1979	26,891	163,695	62,943	105,567	199,311	200,364	758,771
1980	24,019	160,028	53,453	107,734	192,321	194,852	732,407
1981	20,488	157,541	48,002	110,226	192,773	198,119	727,149
1982	22,570	166,444	52,032	120,118	215,339	218,436	794,939
1983	21,883	157,489	48,832	114,918	203,321	215,163	761,606
1984	22,695	160,600	50,174	118,615	211,707	221,384	785,175
1985	23,312	156,742	49,017	124,068	211,748	225,180	790,067
1986	22,955	151,744	47,470	120,060	205,655	219,470	767,354
1987	23,115	148,095	44,006	120,007	198,235	216,509	749,967
1988	27,440	154,888	49,888	131,168	214,428	232,010	809,822
1989	27,158	156,608	49,307	137,104	221,889	242,809	834,875
1990	26,589	157,868	47,197	136,881	215,872	235,668	820,075
1991	28,325	170,672	48,700	143,319	232,349	243,017	866,382
1992	27,453	178,504	47,530	141,529	229,480	244,105	868,601
1993	29,403	180,591	48,121	148,252	245,890	259,555	911,812
1994	31,505	191,061	49,853	151,136	270,106	281,539	975,200
1995	33,424	194,949	50,811	157,042	277,250	290,107	1,003,583
1996	36,627	243,100	55,423	175,237	311,416	317,565	1,139,368
1997	36,356	353,368	51,234	163,139	305,432	305,783	1,215,312
1998	37,235	368,973	50,436	158,170	305,226	305,302	1,225,342
1999	38,303	378,982	50,628	155,938	299,030	315,207	1,238,088
2000	41,751	382,585	52,602	170,509	306,176	327,751	1,281,374
2001	44,401	361,644	52,861	173,265	298,618	334,431	1,265,220
2002	47,644	389,570	56,378	188,692	324,077	342,299	1,348,660
2003	50,483	407,824	57,505	189,777	312,844	348,166	1,366,599
2004	50,910	408,607	57,715	201,997	332,999	350,840	1,403,068
2005	55,871	405,271	58,734	202,335	322,586	360,833	1,405,630
2006	61,502	426,771	60,124	201,141	319,443	385,235	1,454,216
2007	66,409	441,092	93,477	210,577	343,251	404,255	1,559,061
2008	67,107	473,316	102,523	224,598	347,493	425,783	1,640,820
2009	69,495	512,444	104,369	228,556	354,847	434,660	1,704,371
2010	72,084	573,061	157,260	230,544	382,792	444,725	1,860,466
2011	74,034	573,804	157,715	232,810	385,398	451,955	1,875,716
2012	76,464	574,230	157,848	236,265	388,051	456,182	1,889,040
2013	79,611	574,734	168,726	240,278	390,710	461,582	1,915,641
2014	82,024	575,372	168,916	245,293	393,449	467,039	1,932,093
2015	84,970	576,088	168,944	250,802	396,192	472,008	1,949,004
2016	88,018	576,812	169,098	256,777	398,938	477,138	1,966,781
2017	90,751	577,642	169,346	263,555	401,815	482,266	1,985,375
2018	95,475	578,491	169,401	271,046	404,781	487,592	2,006,786
2019	98,910	579,388	169,697	278,859	407,959	493,426	2,028,239
2020	102,305	580,211	169,952	287,433	411,173	499,468	2,050,542
2021	105,882	581,043	170,065	297,077	414,144	505,326	2,073,537
2022	109,739	581,784	170,315	307,606	417,273	510,994	2,097,711
2023	113,700	582,598	170,577	318,209	420,513	516,574	2,122,171

* Represents Capital Electric's Energy Requirements Obtained From Central Power. Projected

Central Power

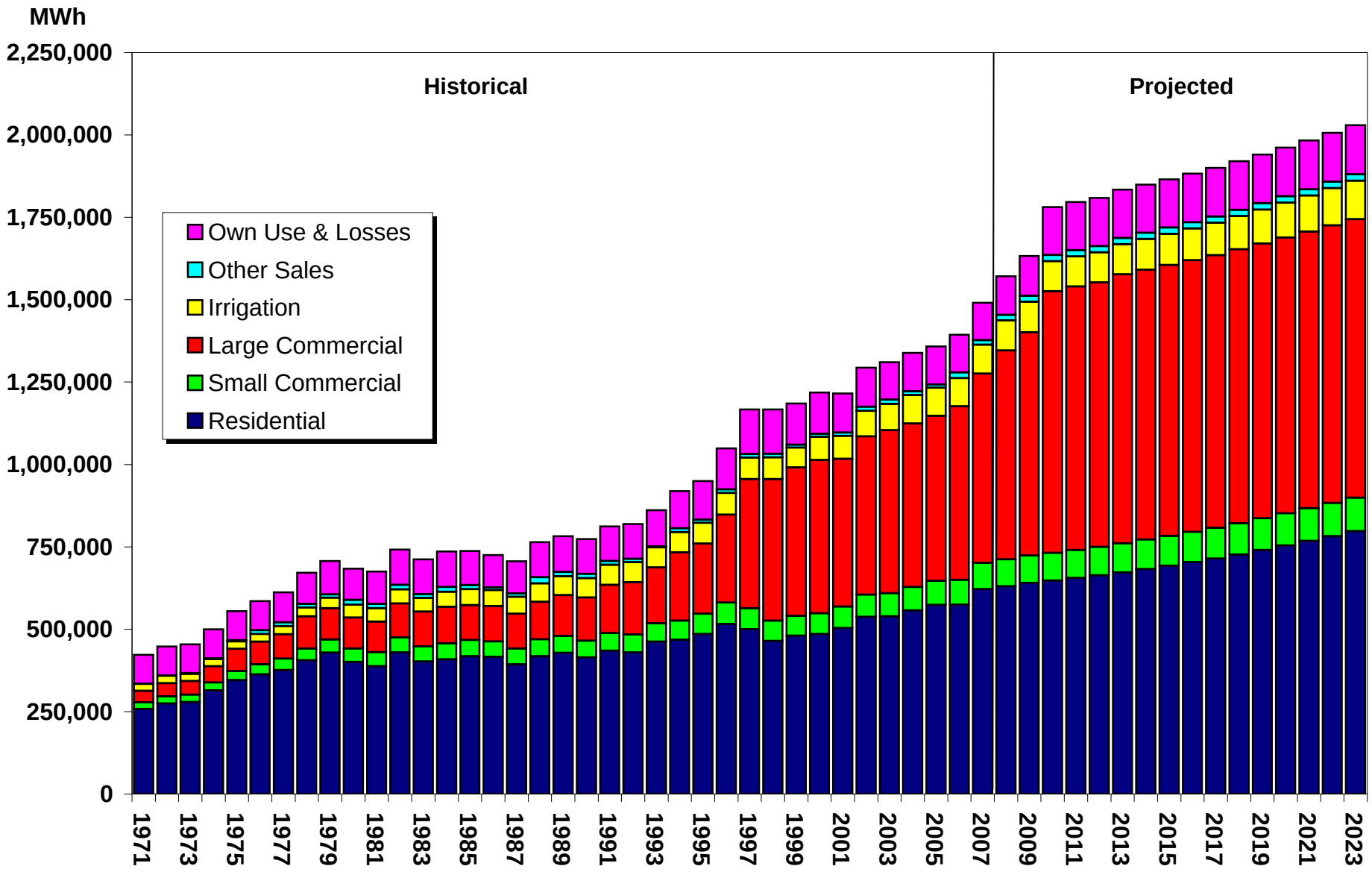
System Energy Requirements By Consumer Classification (MWh) **Table 2**

Year	Residential	Small Commercial	Large Commercial	Oil Related	Irrigation	Other Sales	Own Use & Losses	Total Energy Requirements
1971	257,645	20,481	34,848	21,168	684	87,664	33,922	456,412
1972	274,555	21,758	39,954	22,151	929	87,987	45,730	493,064
1973	279,205	21,873	41,758	21,742	2,026	87,427	33,063	487,094
1974	314,142	24,229	49,471	21,650	2,191	88,182	37,074	536,939
1975	345,889	26,995	67,622	22,146	3,807	88,507	41,023	595,989
1976	363,037	30,412	68,949	22,955	11,261	88,957	48,367	633,938
1977	375,896	34,539	74,207	24,329	11,892	90,904	46,737	658,504
1978	405,763	35,299	98,001	26,823	10,670	94,816	50,435	721,807
1979	429,066	39,786	94,548	31,933	10,252	101,636	51,550	758,771
1980	400,688	40,251	94,481	38,786	15,026	94,549	48,626	732,407
1981	387,397	42,612	93,269	40,097	12,957	99,044	51,773	727,149
1982	429,214	45,876	102,750	42,645	13,777	107,412	53,265	794,939
1983	401,938	45,949	105,275	41,556	11,254	105,966	49,668	761,606
1984	408,424	48,365	110,929	45,984	14,265	108,237	48,971	785,175
1985	417,682	49,513	106,097	48,262	12,323	103,239	52,951	790,067
1986	415,544	47,119	107,456	48,855	7,360	98,832	42,188	767,354
1987	393,564	47,930	105,493	51,531	9,953	98,021	43,475	749,967
1988	417,672	51,431	114,111	55,655	18,722	106,453	45,778	809,822
1989	428,225	51,227	123,923	57,236	13,366	108,319	52,579	834,875
1990	414,423	50,319	131,231	59,239	12,479	106,334	46,050	820,075
1991	434,825	53,737	145,707	61,159	11,764	105,143	54,047	866,382
1992	429,705	54,286	158,809	60,645	10,197	105,560	49,399	868,601
1993	462,137	56,116	169,394	60,317	3,355	110,005	50,488	911,812
1994	468,253	57,809	206,961	61,988	11,440	113,021	55,728	975,200
1995	485,592	60,991	213,575	63,066	9,293	117,221	53,845	1,003,583
1996	515,953	65,001	266,322	65,899	11,100	124,406	90,687	1,139,368
1997	499,628	63,860	391,655	65,485	10,907	135,165	48,612	1,215,312
1998	464,608	61,052	429,953	65,952	10,582	134,765	58,430	1,225,342
1999	480,430	59,903	450,441	60,165	8,919	125,552	52,678	1,238,088
2000	485,486	62,902	465,226	70,176	9,430	125,532	62,622	1,281,374
2001	503,280	65,127	448,654	69,396	10,402	118,330	50,031	1,265,220
2002	537,417	67,272	480,316	77,305	12,821	118,617	54,912	1,348,660
2003	538,838	70,235	495,056	79,363	13,559	113,393	56,155	1,366,599
2004	557,250	70,940	496,260	85,763	12,210	115,945	64,700	1,403,068
2005	573,434	73,532	500,260	86,045	9,423	115,624	47,312	1,405,630
2006	574,104	75,998	526,073	85,631	17,341	114,607	60,462	1,454,216
2007	621,304	79,949	574,650	87,711	13,782	113,519	68,146	1,559,061
2008	630,362	81,478	633,908	91,456	16,606	117,216	69,794	1,640,820
2009	640,726	82,647	677,810	92,452	17,964	120,918	71,854	1,704,371
2010	647,820	83,921	793,673	91,745	18,722	145,712	78,873	1,860,466
2011	655,348	85,166	799,851	91,055	18,772	145,975	79,549	1,875,716
2012	663,240	86,625	802,629	91,301	18,822	146,229	80,194	1,889,040
2013	672,571	87,922	816,214	91,897	18,872	146,491	81,674	1,915,641
2014	682,562	89,303	818,992	93,077	18,922	146,745	82,492	1,932,093
2015	692,735	90,640	821,771	94,537	18,972	147,007	83,342	1,949,004
2016	703,439	92,045	824,549	96,218	19,022	147,262	84,246	1,966,781
2017	714,605	93,406	827,328	98,228	19,072	147,525	85,211	1,985,375
2018	726,699	94,778	831,476	100,636	19,122	147,780	86,295	2,006,786
2019	740,166	96,175	834,255	103,014	19,172	148,044	87,413	2,028,239
2020	754,193	97,428	837,034	105,777	19,222	148,309	88,579	2,050,542
2021	768,084	98,750	839,813	109,238	19,272	148,573	89,807	2,073,537
2022	782,595	100,108	842,593	113,139	19,322	148,838	91,116	2,097,711
2023	797,770	101,446	845,372	116,668	19,372	149,103	92,440	2,122,171
								Projected

Central Power

Graph 2

Members Energy Requirements and Usage



Central Power

Number of Residential Consumers — Table 3

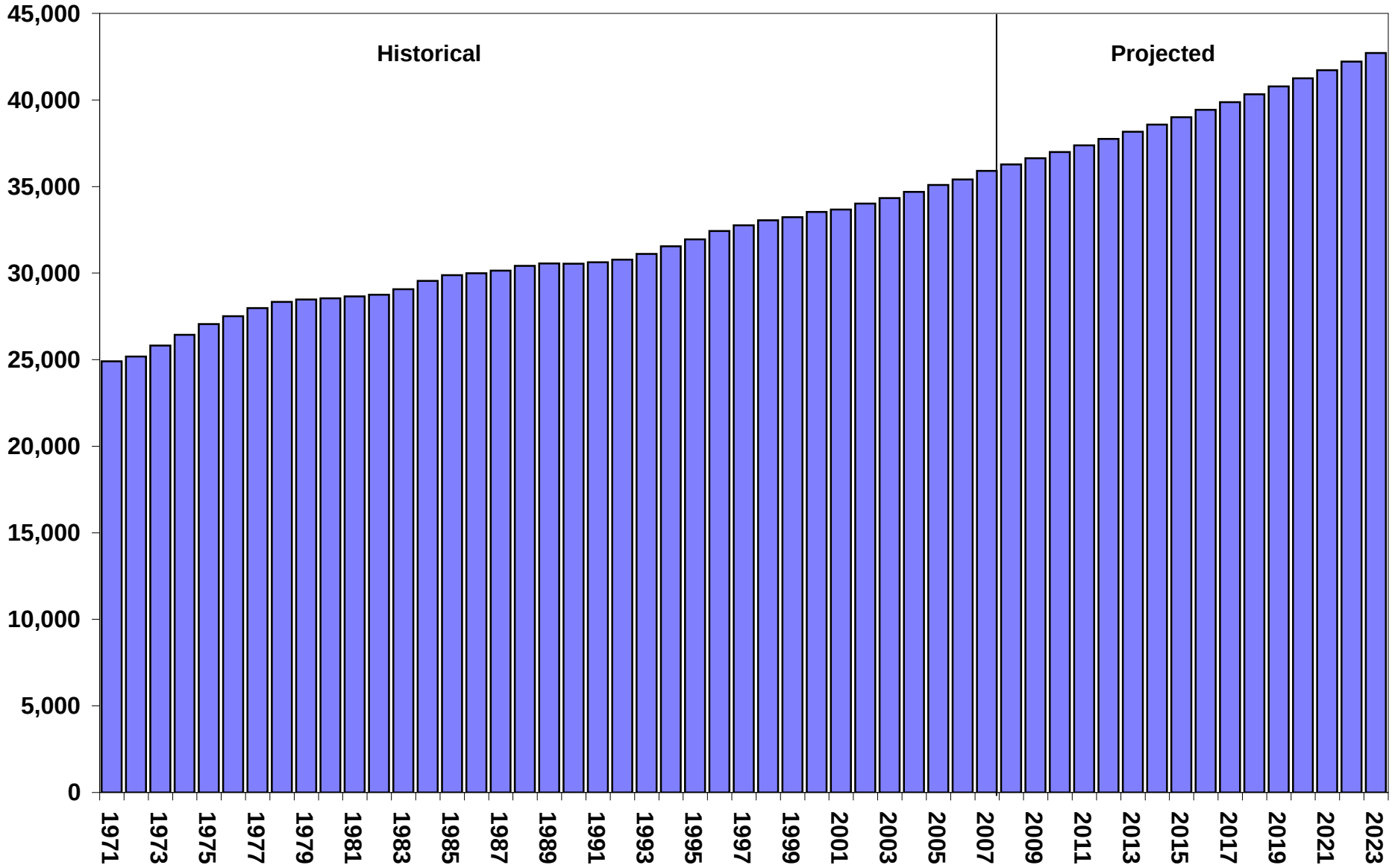
Year	Capital *	Dakota Valley	McLean	North Central	Northern Plains	Verendrye	Total
1971	772	5,243	2,060	3,845	8,236	4,753	24,909
1972	825	5,237	2,082	3,921	8,277	4,834	25,176
1973	952	5,314	2,126	3,994	8,359	5,073	25,818
1974	988	5,355	2,158	4,072	8,472	5,391	26,436
1975	1,037	5,456	2,216	4,145	8,578	5,622	27,054
1976	1,079	5,509	2,309	4,232	8,670	5,708	27,507
1977	1,133	5,535	2,360	4,363	8,779	5,810	27,980
1978	1,199	5,523	2,419	4,470	8,886	5,841	28,338
1979	1,253	5,509	2,433	4,508	8,871	5,904	28,478
1980	1,192	5,476	2,437	4,529	8,911	5,992	28,537
1981	1,102	5,422	2,455	4,609	8,966	6,105	28,659
1982	1,122	5,377	2,456	4,633	8,989	6,179	28,756
1983	1,166	5,328	2,474	4,721	8,980	6,397	29,066
1984	1,220	5,274	2,481	4,776	9,078	6,727	29,556
1985	1,287	5,232	2,493	4,807	9,174	6,885	29,878
1986	1,353	5,183	2,503	4,831	9,108	7,018	29,996
1987	1,364	5,128	2,519	4,903	9,161	7,069	30,144
1988	1,506	5,114	2,528	4,948	9,180	7,140	30,416
1989	1,489	5,097	2,525	5,038	9,236	7,170	30,555
1990	1,505	5,082	2,516	5,006	9,241	7,193	30,543
1991	1,546	5,099	2,515	5,019	9,238	7,206	30,623
1992	1,601	5,088	2,513	5,061	9,269	7,243	30,775
1993	1,681	5,108	2,508	5,153	9,324	7,327	31,101
1994	1,774	5,111	2,515	5,227	9,398	7,528	31,553
1995	1,865	5,091	2,522	5,288	9,430	7,755	31,951
1996	1,966	5,078	2,542	5,343	9,416	8,087	32,432
1997	2,036	5,059	2,574	5,389	9,400	8,309	32,767
1998	2,121	5,019	2,588	5,462	9,403	8,452	33,045
1999	2,207	5,015	2,598	5,425	9,410	8,580	33,235
2000	2,293	5,006	2,624	5,499	9,432	8,674	33,528
2001	2,388	4,991	2,625	5,500	9,427	8,745	33,676
2002	2,530	4,985	2,637	5,563	9,504	8,801	34,020
2003	2,663	5,005	2,661	5,620	9,481	8,896	34,326
2004	2,827	5,020	2,691	5,652	9,491	9,013	34,694
2005	2,927	5,035	2,730	5,680	9,505	9,208	35,085
2006	3,017	5,040	2,780	5,706	9,547	9,323	35,413
2007	3,158	5,061	2,844	5,767	9,597	9,477	35,904
2008	3,299	5,034	2,861	5,823	9,628	9,625	36,270
2009	3,425	5,006	2,886	5,860	9,660	9,792	36,629
2010	3,529	5,003	2,907	5,905	9,692	9,961	36,997
2011	3,637	5,011	2,925	5,956	9,723	10,131	37,383
2012	3,748	4,997	2,942	6,012	9,754	10,304	37,757
2013	3,881	4,990	2,959	6,071	9,786	10,475	38,162
2014	4,017	4,991	2,976	6,133	9,817	10,649	38,583
2015	4,156	4,991	2,991	6,198	9,847	10,823	39,006
2016	4,299	4,991	3,006	6,266	9,878	10,996	39,436
2017	4,448	4,991	3,025	6,337	9,907	11,170	39,878
2018	4,602	4,990	3,042	6,412	9,935	11,344	40,325
2019	4,762	4,990	3,059	6,491	9,962	11,519	40,783
2020	4,928	4,989	3,077	6,574	9,988	11,693	41,249
2021	5,100	4,989	3,094	6,662	10,013	11,867	41,725
2022	5,279	4,988	3,111	6,753	10,039	12,042	42,212
2023	5,465	4,987	3,128	6,850	10,065	12,215	42,710

* Represents Portion of Capital Electric's Consumers who Obtain Power Supply From Central Power. Projected

Central Power

Graph 3

Number of Residential Consumers



Central Power

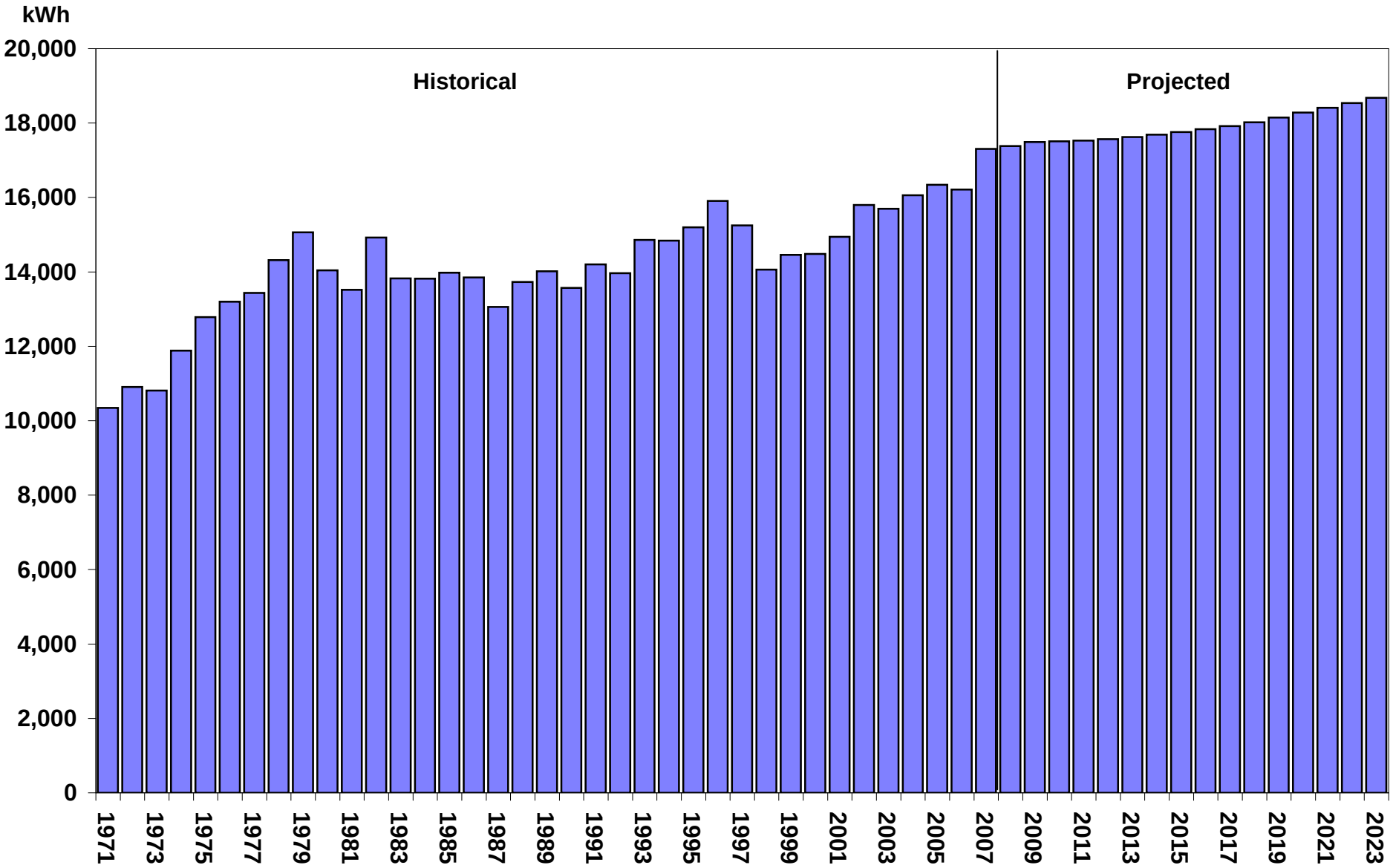
Number of Residential Consumers and Energy Usage — Table 4

Year	Residential Consumers	Residential Energy Sales (MWh)	Usage / Cons (kWh)	Percent Change
1971	24,909	257,645	10,343	
1972	25,176	274,555	10,905	5.43%
1973	25,818	279,205	10,814	-0.83%
1974	26,436	314,142	11,883	9.89%
1975	27,054	345,889	12,785	7.59%
1976	27,507	363,037	13,198	3.23%
1977	27,980	375,896	13,434	1.79%
1978	28,338	405,763	14,319	6.59%
1979	28,478	429,066	15,067	5.22%
1980	28,537	400,688	14,041	-6.81%
1981	28,659	387,397	13,517	-3.73%
1982	28,756	429,214	14,926	10.42%
1983	29,066	401,938	13,828	-7.36%
1984	29,556	408,424	13,819	-0.07%
1985	29,878	417,682	13,980	1.17%
1986	29,996	415,544	13,853	-0.91%
1987	30,144	393,564	13,056	-5.75%
1988	30,416	417,672	13,732	5.18%
1989	30,555	428,225	14,015	2.06%
1990	30,543	414,423	13,569	-3.18%
1991	30,623	434,825	14,199	4.64%
1992	30,775	429,705	13,963	-1.66%
1993	31,101	462,137	14,859	6.42%
1994	31,553	468,253	14,840	-0.13%
1995	31,951	485,592	15,198	2.41%
1996	32,432	515,953	15,909	4.68%
1997	32,767	499,628	15,248	-4.15%
1998	33,045	464,608	14,060	-7.79%
1999	33,235	480,430	14,456	2.82%
2000	33,528	485,486	14,480	0.17%
2001	33,676	503,280	14,945	3.21%
2002	34,020	537,417	15,797	5.70%
2003	34,326	538,838	15,698	-0.63%
2004	34,694	557,250	16,062	2.32%
2005	35,085	573,434	16,344	1.76%
2006	35,413	574,104	16,212	-0.81%
2007	35,904	621,304	17,305	6.74%
2008	36,270	630,362	17,380	0.43%
2009	36,629	640,726	17,492	0.64%
2010	36,997	647,820	17,510	0.10%
2011	37,383	655,348	17,531	0.12%
2012	37,757	663,240	17,566	0.20%
2013	38,162	672,571	17,624	0.33%
2014	38,583	682,562	17,691	0.38%
2015	39,006	692,735	17,760	0.39%
2016	39,436	703,439	17,837	0.43%
2017	39,878	714,605	17,920	0.47%
2018	40,325	726,699	18,021	0.56%
2019	40,783	740,166	18,149	0.71%
2020	41,249	754,193	18,284	0.74%
2021	41,725	768,084	18,408	0.68%
2022	42,212	782,595	18,540	0.72%
2023	42,710	797,770	18,679	0.75%
				Projected

Central Power

Graph 4

Annual Energy Usage Per Residential Consumer



Central Power

Winter Season Demand Sales to Members (kW) **Table 5**

Winter Season	Capital *	Dakota Valley	McLean	North Central	Northern Plains	Verendrye	Total
71/72	3,219	19,866	8,377	14,578	32,596	33,854	112,490
72/73	3,253	20,025	8,180	14,152	31,295	32,965	109,870
73/74	3,611	21,549	9,032	15,234	33,567	35,599	118,592
74/75	4,109	30,168	10,175	17,664	36,794	38,059	136,969
75/76	4,859	32,879	11,005	18,212	40,235	40,358	147,548
76/77	5,588	34,531	13,012	19,649	43,189	42,212	158,181
77/78	6,064	35,848	15,958	20,347	44,371	43,500	166,088
78/79	6,457	37,146	15,253	23,176	46,637	42,711	171,380
79/80	6,560	39,024	13,531	23,493	47,603	41,451	171,662
80/81	4,889	37,993	11,411	23,416	47,592	40,625	165,926
81/82	5,547	41,244	12,478	26,166	53,706	45,080	184,221
82/83	4,263	35,092	10,024	22,808	45,631	42,945	160,763
83/84	5,804	41,508	12,115	27,389	53,996	48,716	189,528
84/85	5,505	34,298	9,511	24,000	46,542	41,922	161,778
85/86	5,074	30,596	9,021	22,303	42,689	40,485	150,168
86/87	4,294	27,278	8,240	21,785	41,967	38,944	142,508
87/88	5,369	29,520	7,451	20,283	39,724	39,721	142,068
88/89	5,953	32,319	8,865	26,243	46,875	46,378	166,633
89/90	5,756	34,707	9,368	29,032	46,975	50,077	175,915
90/91	5,966	32,800	8,913	26,894	49,413	46,075	170,061
91/92	5,102	33,672	7,300	26,181	45,323	43,857	161,435
92/93	5,977	34,949	8,790	27,965	51,703	48,047	177,431
93/94	6,817	35,095	9,501	29,976	55,213	52,087	188,689
94/95	5,771	33,865	8,962	28,634	51,396	49,154	177,782
95/96	7,331	38,639	9,874	33,202	61,140	57,936	208,122
96/97	6,587	53,518	9,225	31,086	59,567	54,689	214,672
97/98	6,828	54,877	8,544	33,131	59,460	56,402	219,242
98/99	7,566	59,762	8,868	34,491	60,106	58,978	229,771
99/00	7,631	59,099	8,313	31,757	58,923	55,989	221,712
00/01	8,381	61,219	9,628	35,462	56,663	59,839	231,192
01/02	7,365	55,154	9,161	34,496	56,198	54,268	216,642
02/03	8,344	62,027	9,628	37,332	63,515	59,107	239,953
03/04	9,538	64,219	10,590	41,233	64,882	63,176	253,638
04/05	9,479	64,701	10,887	41,554	67,373	65,852	259,846
05/06	10,694	66,743	11,064	43,334	66,175	70,102	268,112
06/07	11,317	68,831	11,051	43,388	65,074	73,389	273,050
07/08	12,002	62,954	17,733	47,404	71,532	78,640	290,265
08/09	12,429	72,785	17,942	48,240	73,046	80,248	304,690
09/10	12,892	82,274	26,371	48,659	78,798	81,970	330,964
10/11	13,241	82,395	26,459	49,137	79,335	83,339	333,906
11/12	13,675	82,358	26,484	49,867	79,881	84,139	336,404
12/13	14,239	82,547	28,576	50,714	80,428	85,162	341,666
13/14	14,670	82,651	28,612	51,772	80,992	86,195	344,892
14/15	15,197	82,768	28,618	52,935	81,557	87,136	348,211
15/16	15,742	82,779	28,647	54,196	82,121	88,107	351,592
16/17	16,231	83,022	28,695	55,626	82,714	89,078	355,366
17/18	17,076	83,161	28,706	57,208	83,325	90,087	359,563
18/19	17,690	83,307	28,762	58,856	83,979	91,191	363,785
19/20	18,297	83,335	28,811	60,667	84,640	92,335	368,085
20/21	18,937	83,577	28,833	62,702	85,252	93,444	372,745
21/22	19,626	83,698	28,881	64,924	85,896	94,518	377,543
22/23	20,335	83,831	28,932	67,162	86,563	95,574	382,397

* Represents Capital Electric's Demand Requirements Obtained From Central Power. Projected

Central Power

Summer Season Demand Sales to Members (kW) — Table 6

Summer Season	Capital *	Dakota Valley	McLean	North Central	Northern Plains	Verendrye	Total
1971	1,687	12,332	5,050	9,418	19,025	22,356	69,868
1972	1,943	13,975	5,481	9,994	20,998	23,983	76,374
1973	2,170	13,321	5,861	10,296	21,844	24,186	77,678
1974	2,263	16,239	5,758	11,043	22,886	24,487	82,676
1975	2,679	22,391	6,513	11,259	24,290	26,304	93,436
1976	2,863	23,386	7,645	12,260	26,903	27,828	100,885
1977	3,441	24,752	9,716	12,156	26,519	27,942	104,526
1978	4,477	28,524	10,031	12,031	26,949	27,832	109,844
1979	3,861	21,246	10,616	15,387	31,930	29,857	112,897
1980	3,087	28,934	8,551	16,360	32,997	30,635	120,564
1981	4,007	32,241	7,938	15,864	31,987	31,021	123,058
1982	3,198	30,404	8,043	17,092	33,779	32,489	125,005
1983	3,484	29,925	7,816	17,771	36,446	33,708	129,150
1984	3,876	26,316	8,348	13,244	30,701	32,485	114,970
1985	2,935	23,334	6,049	16,700	29,882	31,174	110,074
1986	3,300	22,785	5,553	14,675	29,202	30,814	106,329
1987	2,995	25,884	4,991	14,951	27,231	31,156	107,208
1988	5,439	24,751	5,823	13,965	27,104	35,961	113,043
1989	5,557	22,917	5,856	14,587	29,253	37,978	116,148
1990	5,293	24,658	5,711	15,645	29,179	37,467	117,953
1991	6,177	23,717	5,750	14,478	26,751	39,206	116,079
1992	3,641	26,965	6,337	19,872	38,140	31,847	126,802
1993	4,272	25,264	5,748	20,985	34,941	34,775	125,985
1994	3,861	28,897	6,572	19,312	35,568	35,383	129,593
1995	4,085	30,663	6,029	19,276	40,459	36,080	136,592
1996	4,363	37,220	5,008	20,664	38,685	38,038	143,978
1997	4,670	49,977	6,625	21,720	46,218	40,884	170,094
1998	4,777	51,882	5,244	22,578	41,503	40,097	166,081
1999	5,420	51,921	7,048	23,309	42,364	44,205	174,267
2000	8,751	49,930	7,831	18,739	42,175	51,360	178,786
2001	6,643	54,779	7,529	24,097	46,223	46,531	185,802
2002	6,929	61,938	8,681	29,871	52,667	48,916	209,002
2003	12,127	54,041	8,015	20,146	42,124	59,374	195,827
2004	6,852	54,057	7,504	29,234	50,913	45,923	194,483
2005	7,511	60,597	7,643	26,956	46,264	47,675	196,646
2006	10,001	65,442	8,859	29,716	48,924	57,260	220,202
2007	16,119	52,843	12,860	22,709	40,041	69,122	213,694
2008	9,374	67,318	13,493	31,328	51,278	57,275	230,066
2009	9,707	67,691	13,768	31,880	52,363	58,495	233,904
2010	10,069	77,151	20,742	32,157	56,487	59,840	256,446
2011	10,341	77,257	20,802	32,473	56,872	60,807	258,552
2012	10,681	77,212	20,820	32,955	57,263	61,372	260,303
2013	11,121	77,391	22,255	33,515	57,655	62,094	264,031
2014	11,458	77,483	22,280	34,215	58,060	62,823	266,319
2015	11,869	77,586	22,284	34,983	58,464	63,487	268,673
2016	20,977	71,466	23,408	27,902	48,908	78,473	271,134
2017	21,629	71,673	23,444	28,638	49,261	79,330	273,975
2018	22,755	71,776	23,452	29,452	49,624	80,221	277,280
2019	23,573	71,884	23,494	30,301	50,014	81,196	280,462
2020	24,382	71,877	23,530	31,233	50,408	82,205	283,635
2021	25,234	72,084	23,546	32,281	50,772	83,184	287,101
2022	26,154	72,174	23,582	33,425	51,156	84,132	290,623
2023	27,097	72,272	23,619	34,577	51,553	85,065	294,183

* Represents Capital Electric's Demand Requirements Obtained From Central Power. Projected

Power Supply

CENTRAL POWER WHOLESALE PURCHASES

The difference between Central Power sales to its members and its wholesale power purchases represent transmission losses. Table 7 outlines Central Power historical and projected annual energy sales, losses and purchases. Graph 7 presents the Central Power historical and projected energy sales requirements as shown in Table 7. Similar information is provided in Tables 8 and 9 for the winter season and summer season demand. Graphs 8 and 9 present winter and summer seasonal demand requirements shown in Tables 8 and 9. Included in the appendix are comparable values for each month of the forecast period.

Central Power's projected wholesale power requirements or purchases were obtained by increasing their projected sales by a factor to address transmission losses. Individual loss factors were developed for energy, winter season demand and summer season demand based on historical losses and the anticipated loading of the transmission system.

Table 10 summarizes Central Power's wholesale power requirements or purchases. The table indicates that Central Power's annual energy requirements are projected to increase at an average compound growth rate of 1.73 percent over the 2008 to 2023 forecast period. Graphs 10a and 10b illustrate the changes in Central Power's annual peak demand and annual energy requirements. Graph 10c illustrates the annual percentage change in Central Power's wholesale energy requirements for the 1972 to 2023 period.

Central Power has a long-term power supply contract with the Western Area Power Administration (Western) that provides for Western to deliver a fixed amount of demand and energy to Central Power on a monthly basis. Basin Electric Power Cooperative supplies all Central Power requirements in excess of the Western deliveries.

Table 11 illustrates the power supply shares of Central Power's purchases. Graph 11 also presents Central Power's annual purchases by power supplier.

Table 12 illustrates Central Power's seasonal demand purchases by power supplier. Graphs 12a and 12b also present Central Power's seasonal demand purchases by power supplier.

Central Power

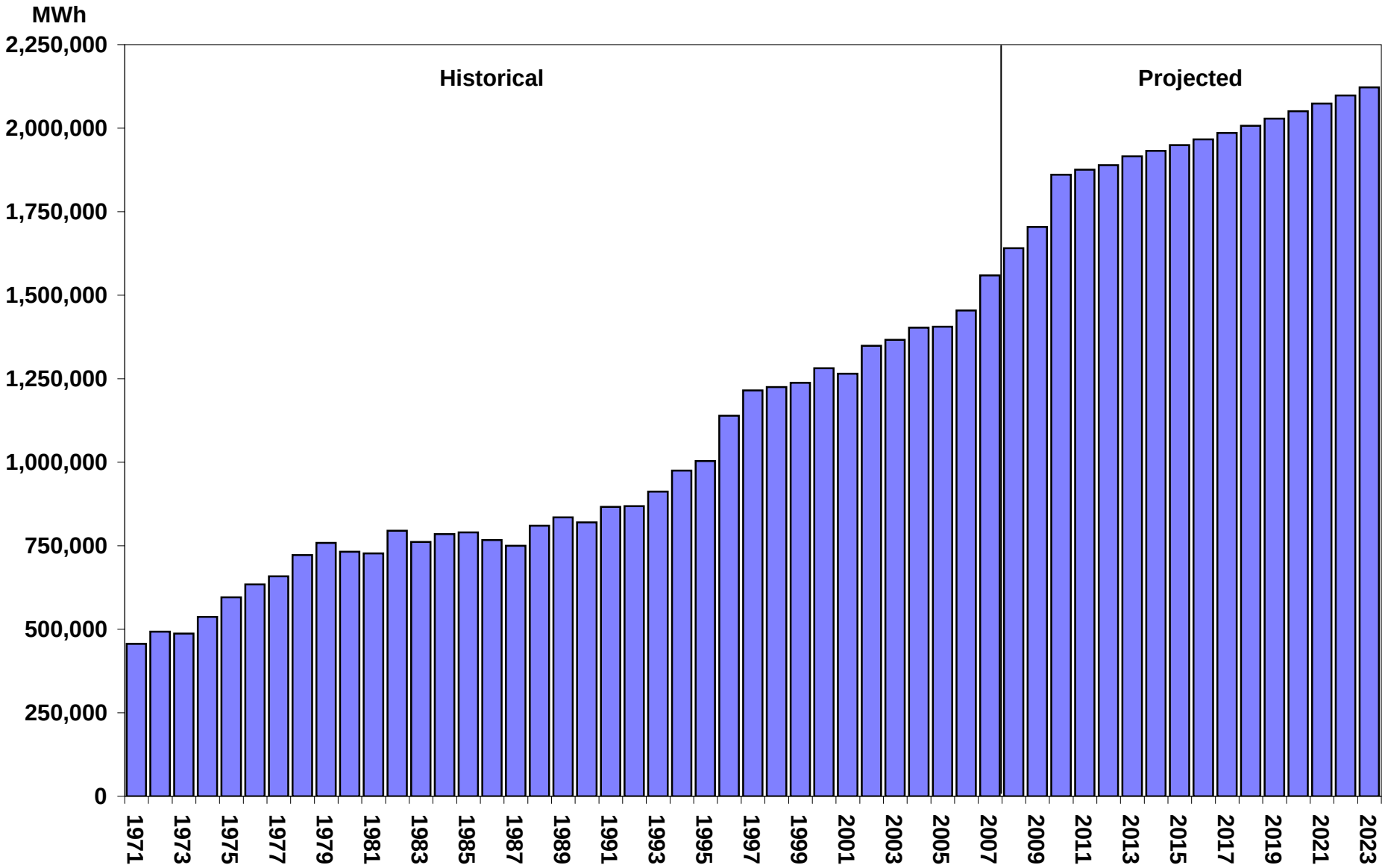
Energy Sales and Purchases (MWh) — Table 7

Year	Sales	Losses	Percent Losses	Purchases
1971	456,412	(6,563)	-1.4%	449,849
1972	493,064	(8,373)	-1.7%	484,691
1973	487,094	16,820	3.5%	503,914
1974	536,939	(1,538)	-0.3%	535,401
1975	595,989	3,576	0.6%	599,565
1976	633,938	3,447	0.5%	637,385
1977	658,504	8,250	1.3%	666,754
1978	721,807	20,758	2.9%	742,565
1979	758,771	21,942	2.9%	780,713
1980	732,407	21,867	3.0%	754,274
1981	727,149	21,854	3.0%	749,003
1982	794,939	34,453	4.3%	829,392
1983	761,606	38,801	5.1%	800,407
1984	785,175	42,257	5.4%	827,432
1985	790,067	41,415	5.2%	831,482
1986	767,354	32,765	4.3%	800,119
1987	749,967	31,549	4.2%	781,516
1988	809,822	31,364	3.9%	841,186
1989	834,875	33,114	4.0%	867,989
1990	820,075	32,389	3.9%	852,464
1991	866,382	35,050	4.0%	901,432
1992	868,601	36,219	4.2%	904,820
1993	911,812	36,706	4.0%	948,518
1994	975,200	39,260	4.0%	1,014,460
1995	1,003,583	40,668	4.1%	1,044,251
1996	1,139,368	48,080	4.2%	1,187,448
1997	1,215,312	42,397	3.5%	1,257,709
1998	1,225,342	42,006	3.4%	1,267,348
1999	1,238,088	43,116	3.5%	1,281,204
2000	1,281,374	47,771	3.7%	1,329,145
2001	1,265,220	48,211	3.8%	1,313,431
2002	1,348,660	52,940	3.9%	1,401,600
2003	1,366,599	52,589	3.8%	1,419,188
2004	1,403,068	55,308	3.9%	1,458,376
2005	1,405,630	61,115	4.3%	1,466,745
2006	1,454,216	57,608	4.0%	1,511,824
2007	1,559,061	61,355	3.9%	1,620,416
2008	1,640,820	65,633	4.0%	1,706,453
2009	1,704,371	68,175	4.0%	1,772,546
2010	1,860,466	74,419	4.0%	1,934,885
2011	1,875,716	75,029	4.0%	1,950,745
2012	1,889,040	75,562	4.0%	1,964,602
2013	1,915,641	76,626	4.0%	1,992,267
2014	1,932,093	77,284	4.0%	2,009,377
2015	1,949,004	77,960	4.0%	2,026,964
2016	1,966,781	78,671	4.0%	2,045,452
2017	1,985,375	79,415	4.0%	2,064,790
2018	2,006,786	80,271	4.0%	2,087,057
2019	2,028,239	81,130	4.0%	2,109,369
2020	2,050,542	82,022	4.0%	2,132,564
2021	2,073,537	82,941	4.0%	2,156,478
2022	2,097,711	83,908	4.0%	2,181,619
2023	2,122,171	84,887	4.0%	2,207,058
*Energy Loss Factor for Projected Period Assumed to be 4%				Projected

Central Power

Graph 7

Annual Energy Sales Requirements



Central Power

Winter Season Demand Sales and Purchases (kW)

Table 8

Winter Season	Sales	Losses	Percent Losses	Purchases
71/72	112,490	(163)	-0.1%	112,327
72/73	109,870	3,838	3.5%	113,708
73/74	118,592	395	0.3%	118,987
74/75	136,969	1,163	0.8%	138,132
75/76	147,548	2,569	1.7%	150,117
76/77	158,181	2,383	1.5%	160,564
77/78	166,088	8,651	5.2%	174,739
78/79	171,380	6,049	3.5%	177,429
79/80	171,662	6,818	4.0%	178,480
80/81	165,926	5,670	3.4%	171,596
81/82	184,221	8,423	4.6%	192,644
82/83	160,763	8,199	5.1%	168,962
83/84	189,528	874	0.5%	190,402
84/85	161,778	6,250	3.9%	168,028
85/86	150,168	8,039	5.4%	158,207
86/87	142,508	4,123	2.9%	146,631
87/88	142,068	5,983	4.2%	148,051
88/89	166,633	6,918	4.2%	173,551
89/90	175,915	6,547	3.7%	182,462
90/91	170,061	6,862	4.0%	176,923
91/92	161,435	6,904	4.3%	168,339
92/93	177,431	7,707	4.3%	185,138
93/94	188,689	8,482	4.5%	197,171
94/95	177,782	7,758	4.4%	185,540
95/96	208,122	8,995	4.3%	217,117
96/97	214,672	10,542	4.9%	225,214
97/98	219,242	7,169	3.3%	226,411
98/99	229,771	7,886	3.4%	237,657
99/00	221,712	8,052	3.6%	229,764
00/01	231,192	8,678	3.8%	239,870
01/02	216,642	8,427	3.9%	225,069
02/03	239,953	9,220	3.8%	249,173
03/04	253,638	9,835	3.9%	263,473
04/05	259,846	10,088	3.9%	269,934
05/06	268,112	10,515	3.9%	278,627
06/07	273,050	10,721	3.9%	283,771
07/08	290,265	11,320	3.9%	301,585
08/09	304,690	11,883	3.9%	316,573
09/10	330,964	12,908	3.9%	343,872
10/11	333,906	13,022	3.9%	346,928
11/12	336,404	13,120	3.9%	349,524
12/13	341,666	13,325	3.9%	354,991
13/14	344,892	13,451	3.9%	358,343
14/15	348,211	13,580	3.9%	361,791
15/16	351,592	13,712	3.9%	365,304
16/17	355,366	13,859	3.9%	369,225
17/18	359,563	14,023	3.9%	373,586
18/19	363,785	14,188	3.9%	377,973
19/20	368,085	14,355	3.9%	382,440
20/21	372,745	14,537	3.9%	387,282
21/22	377,543	14,724	3.9%	392,267
22/23	382,397	14,913	3.9%	397,310

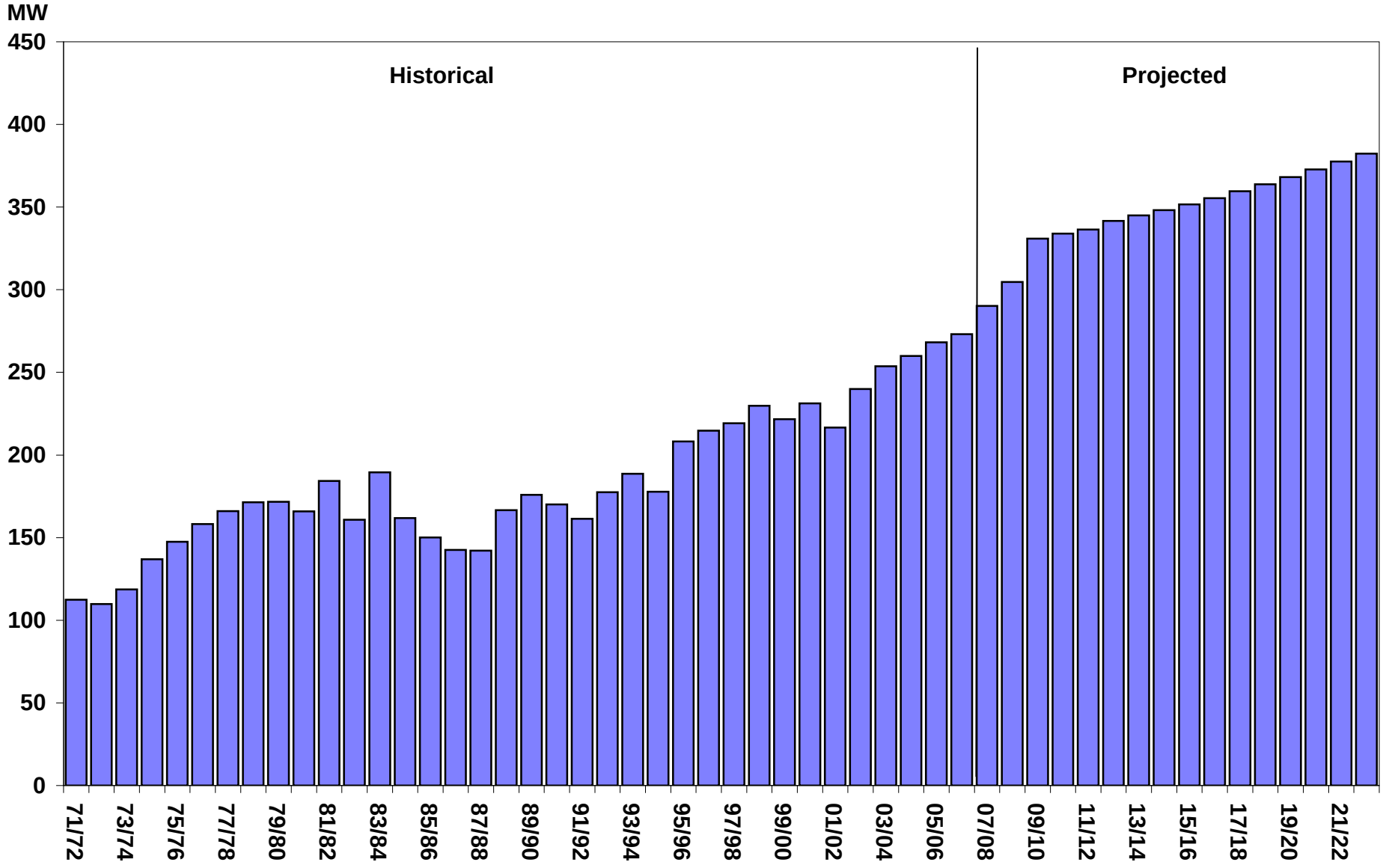
*Winter Season Demand Loss Factor for Projected Period Assumed to be 3.9%

Projected

Central Power

Graph 8

Winter Season Demand Sales Requirements



Central Power

Summer Season Demand Sales and Purchases (kW) — Table 9

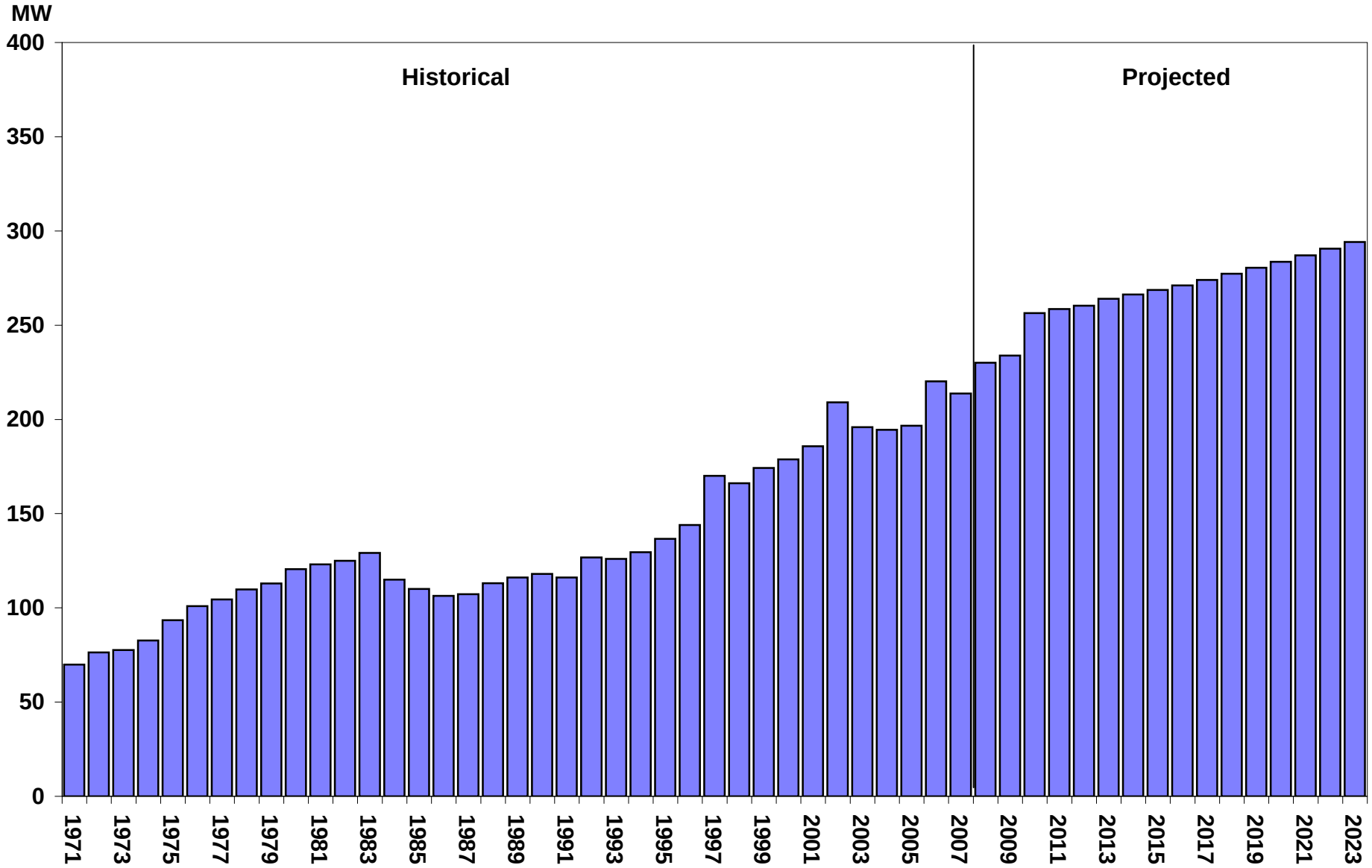
Summer Season	Sales	Losses	Percent Losses	Purchases
1971	69,868	312	0.4%	70,180
1972	76,374	(803)	-1.1%	75,571
1973	77,678	4,018	5.2%	81,696
1974	82,676	(191)	-0.2%	82,485
1975	93,436	628	0.7%	94,064
1976	100,885	572	0.6%	101,457
1977	104,526	1,221	1.2%	105,747
1978	109,844	2,994	2.7%	112,838
1979	112,897	3,831	3.4%	116,728
1980	120,564	4,135	3.4%	124,699
1981	123,058	3,773	3.1%	126,831
1982	125,005	4,202	3.4%	129,207
1983	129,150	(5,041)	-3.9%	124,109
1984	114,970	4,984	4.3%	119,954
1985	110,074	5,182	4.7%	115,256
1986	106,329	4,320	4.1%	110,649
1987	107,208	4,024	3.8%	111,232
1988	113,043	3,897	3.4%	116,940
1989	116,148	4,494	3.9%	120,642
1990	117,953	4,066	3.4%	122,019
1991	116,079	4,981	4.3%	121,060
1992	126,802	5,709	4.5%	132,511
1993	125,985	5,744	4.6%	131,729
1994	129,593	5,549	4.3%	135,142
1995	136,592	5,931	4.3%	142,523
1996	143,978	6,349	4.4%	150,327
1997	170,094	8,611	5.1%	178,705
1998	166,081	5,728	3.4%	171,809
1999	174,267	8,670	5.0%	182,937
2000	178,786	6,070	3.4%	184,856
2001	185,802	7,163	3.9%	192,965
2002	209,002	8,145	3.9%	217,147
2003	195,827	7,151	3.7%	202,978
2004	194,483	7,127	3.7%	201,610
2005	196,646	7,342	3.7%	203,988
2006	220,202	8,422	3.8%	228,624
2007	213,694	7,490	3.5%	221,184
2008	230,066	8,512	3.7%	238,578
2009	233,904	8,654	3.7%	242,558
2010	256,446	9,489	3.7%	265,935
2011	258,552	9,566	3.7%	268,118
2012	260,303	9,631	3.7%	269,934
2013	264,031	9,769	3.7%	273,800
2014	266,319	9,854	3.7%	276,173
2015	268,673	9,941	3.7%	278,614
2016	271,134	10,032	3.7%	281,166
2017	273,975	10,137	3.7%	284,112
2018	277,280	10,259	3.7%	287,539
2019	280,462	10,377	3.7%	290,839
2020	283,635	10,494	3.7%	294,129
2021	287,101	10,623	3.7%	297,724
2022	290,623	10,753	3.7%	301,376
2023	294,183	10,885	3.7%	305,068

*Summer Season Demand Loss Factor for Projected Period Assumed to be 3.7% — Projected

Central Power

Graph 9

Summer Season Demand Sales Requirements



Central Power

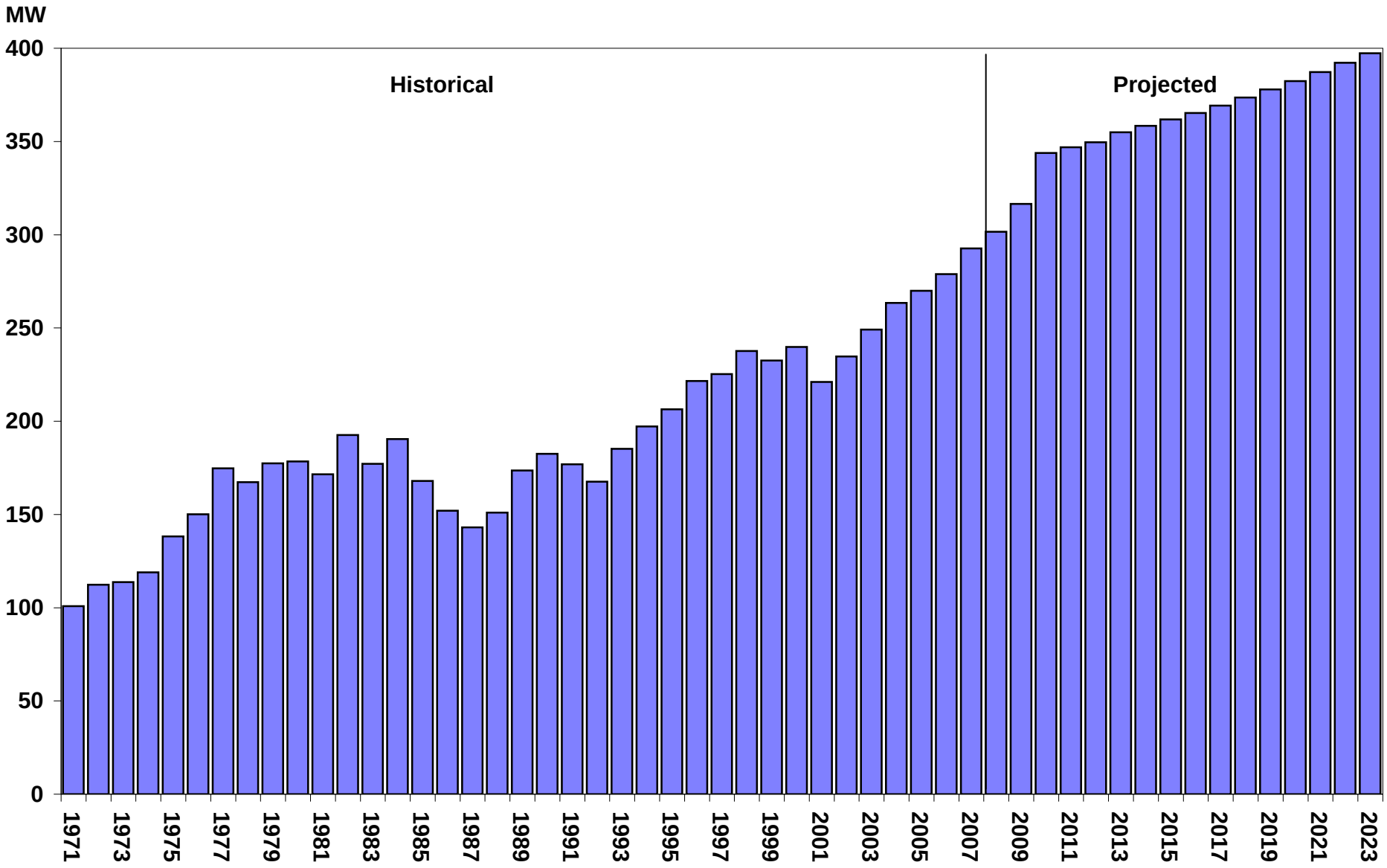
Wholesale Power Requirements — Table 10

Year	Annual Peak Demand (kW)	Change (Percent)	Annual Energy (MWh)	Change (Percent)	Annual Load Factor (Percent)
1971	100,822		449,849		50.93%
1972	112,327	11.41%	484,691	7.75%	49.26%
1973	113,708	1.23%	503,914	3.97%	50.59%
1974	118,987	4.64%	535,401	6.25%	51.37%
1975	138,225	16.17%	599,565	11.98%	49.52%
1976	150,117	8.60%	637,385	6.31%	48.47%
1977	174,739	16.40%	666,754	4.61%	43.56%
1978	167,315	-4.25%	742,565	11.37%	50.66%
1979	177,429	6.04%	780,713	5.14%	50.23%
1980	178,480	0.59%	754,274	-3.39%	48.24%
1981	171,596	-3.86%	749,003	-0.70%	49.83%
1982	192,644	12.27%	829,392	10.73%	49.15%
1983	177,215	-8.01%	800,407	-3.49%	51.56%
1984	190,402	7.44%	827,432	3.38%	49.61%
1985	168,028	-11.75%	831,482	0.49%	56.49%
1986	152,029	-9.52%	800,119	-3.77%	60.08%
1987	143,112	-5.87%	781,516	-2.33%	62.34%
1988	150,961	5.48%	841,186	7.64%	63.61%
1989	173,551	14.96%	867,989	3.19%	57.09%
1990	182,462	5.13%	852,464	-1.79%	53.33%
1991	176,923	-3.04%	901,432	5.74%	58.16%
1992	167,620	-5.26%	904,820	0.38%	61.62%
1993	185,138	10.45%	948,518	4.83%	58.49%
1994	197,171	6.50%	1,014,460	6.95%	58.73%
1995	206,432	4.70%	1,044,251	2.94%	57.75%
1996	221,525	7.31%	1,187,448	13.71%	61.19%
1997	225,214	1.67%	1,257,709	5.92%	63.75%
1998	237,657	5.52%	1,267,348	0.77%	60.88%
1999	232,544	-2.15%	1,281,204	1.09%	62.89%
2000	239,870	3.15%	1,329,145	3.74%	63.25%
2001	221,097	-7.83%	1,313,431	-1.18%	67.81%
2002	234,768	6.18%	1,401,600	6.71%	68.15%
2003	249,173	6.14%	1,419,188	1.25%	65.02%
2004	263,473	5.74%	1,458,376	2.76%	63.19%
2005	269,934	2.45%	1,466,745	0.57%	62.03%
2006	278,815	3.29%	1,511,824	3.07%	61.90%
2007	292,685	4.97%	1,620,416	7.18%	63.20%
2008	301,585	3.04%	1,706,453	5.31%	64.59%
2009	316,573	4.97%	1,772,548	3.87%	63.92%
2010	343,872	8.62%	1,934,884	9.16%	64.23%
2011	346,928	0.89%	1,950,743	0.82%	64.19%
2012	349,524	0.75%	1,964,600	0.71%	64.16%
2013	354,991	1.56%	1,992,267	1.41%	64.07%
2014	358,343	0.94%	2,009,377	0.86%	64.01%
2015	361,791	0.96%	2,026,963	0.88%	63.96%
2016	365,304	0.97%	2,045,453	0.91%	63.92%
2017	369,225	1.07%	2,064,789	0.95%	63.84%
2018	373,586	1.18%	2,087,057	1.08%	63.77%
2019	377,973	1.17%	2,109,368	1.07%	63.71%
2020	382,440	1.18%	2,132,564	1.10%	63.66%
2021	387,282	1.27%	2,156,479	1.12%	63.56%
2022	392,267	1.29%	2,181,619	1.17%	63.49%
2023	397,310	1.29%	2,207,058	1.17%	63.41%
					Projected

Central Power

Graph 10a

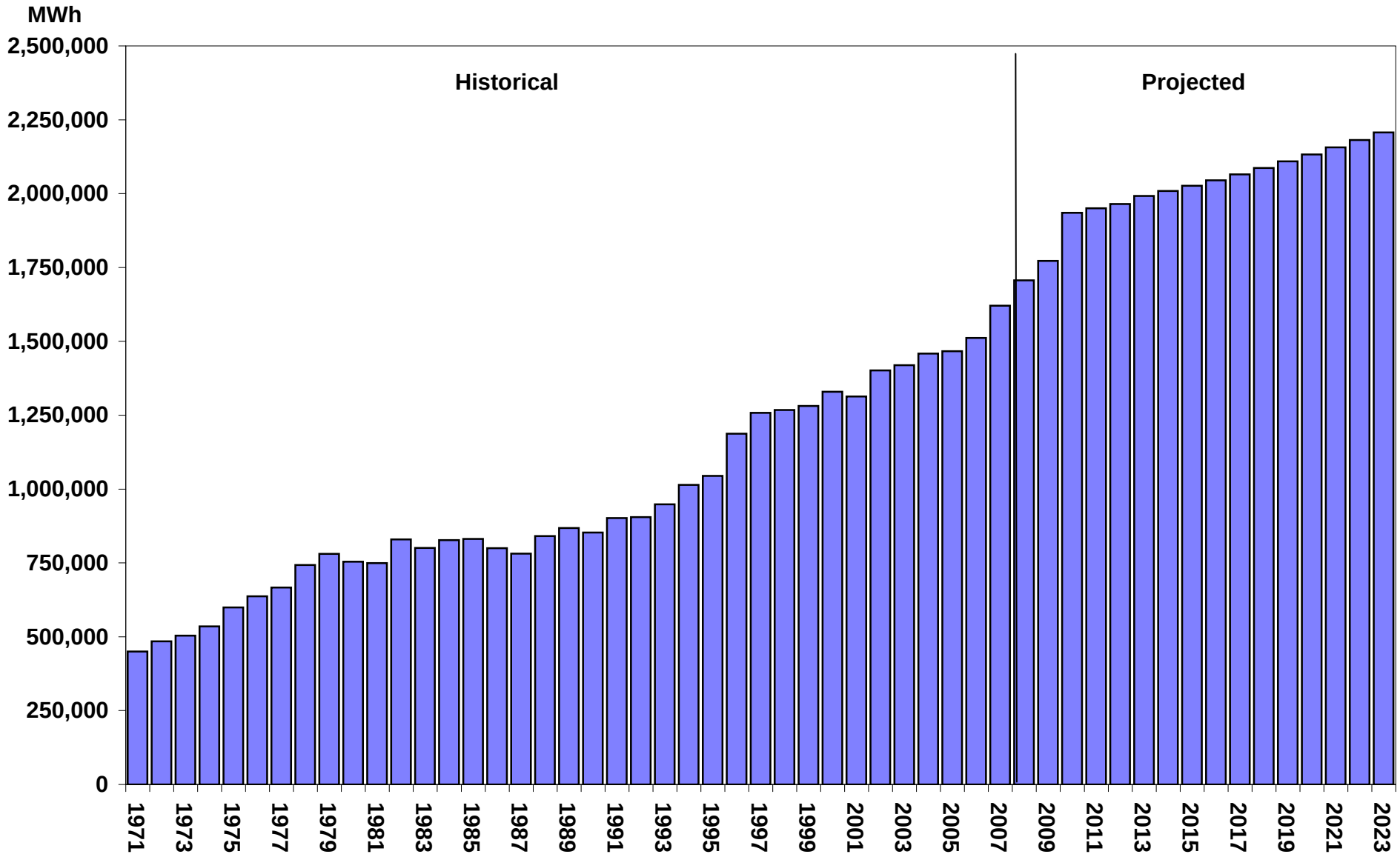
Annual Peak Demand Sales Purchases



Central Power

Graph 10b

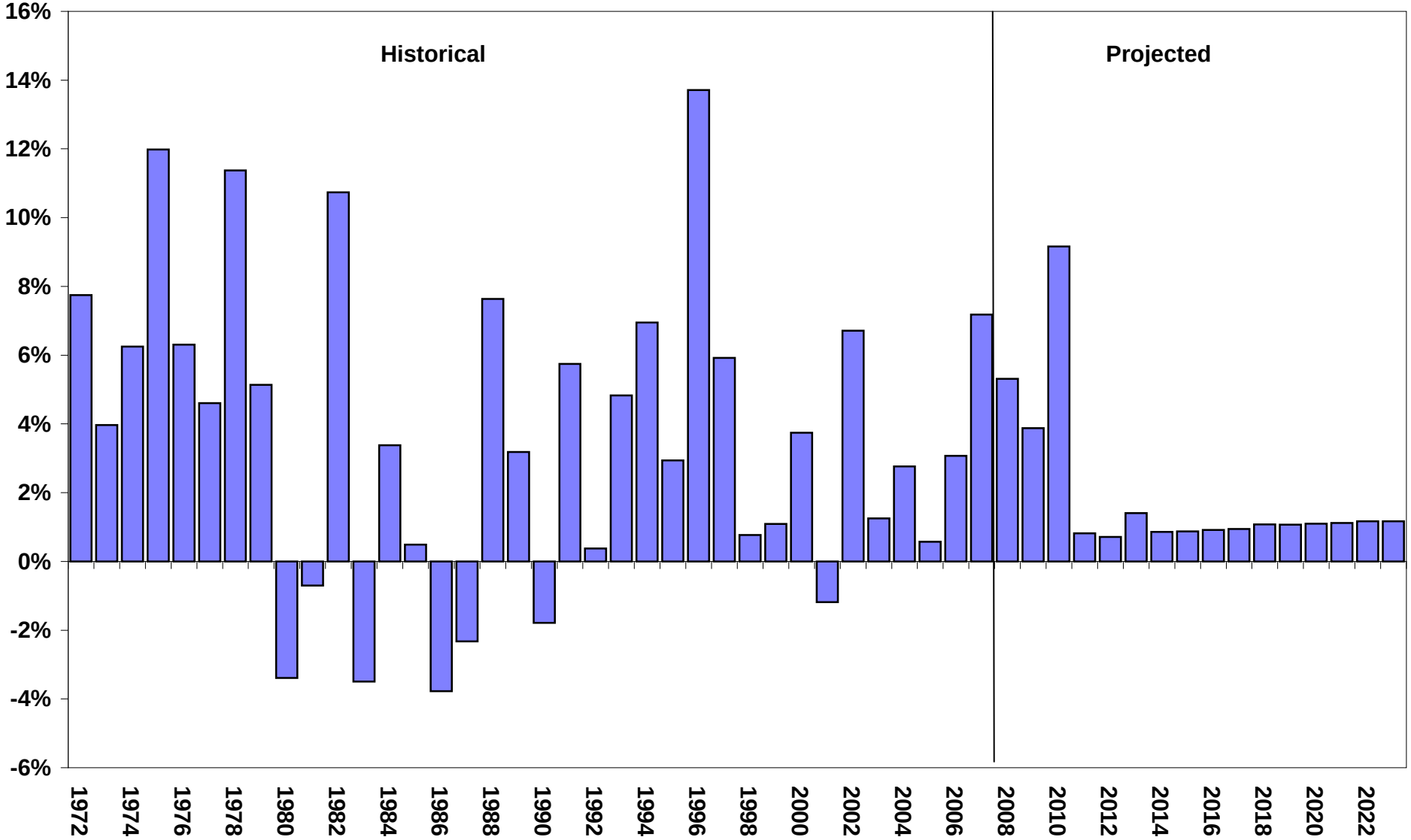
Annual Energy Purchases



Central Power

Graph 10c

Percent Change In Annual Energy Purchases



Central Power

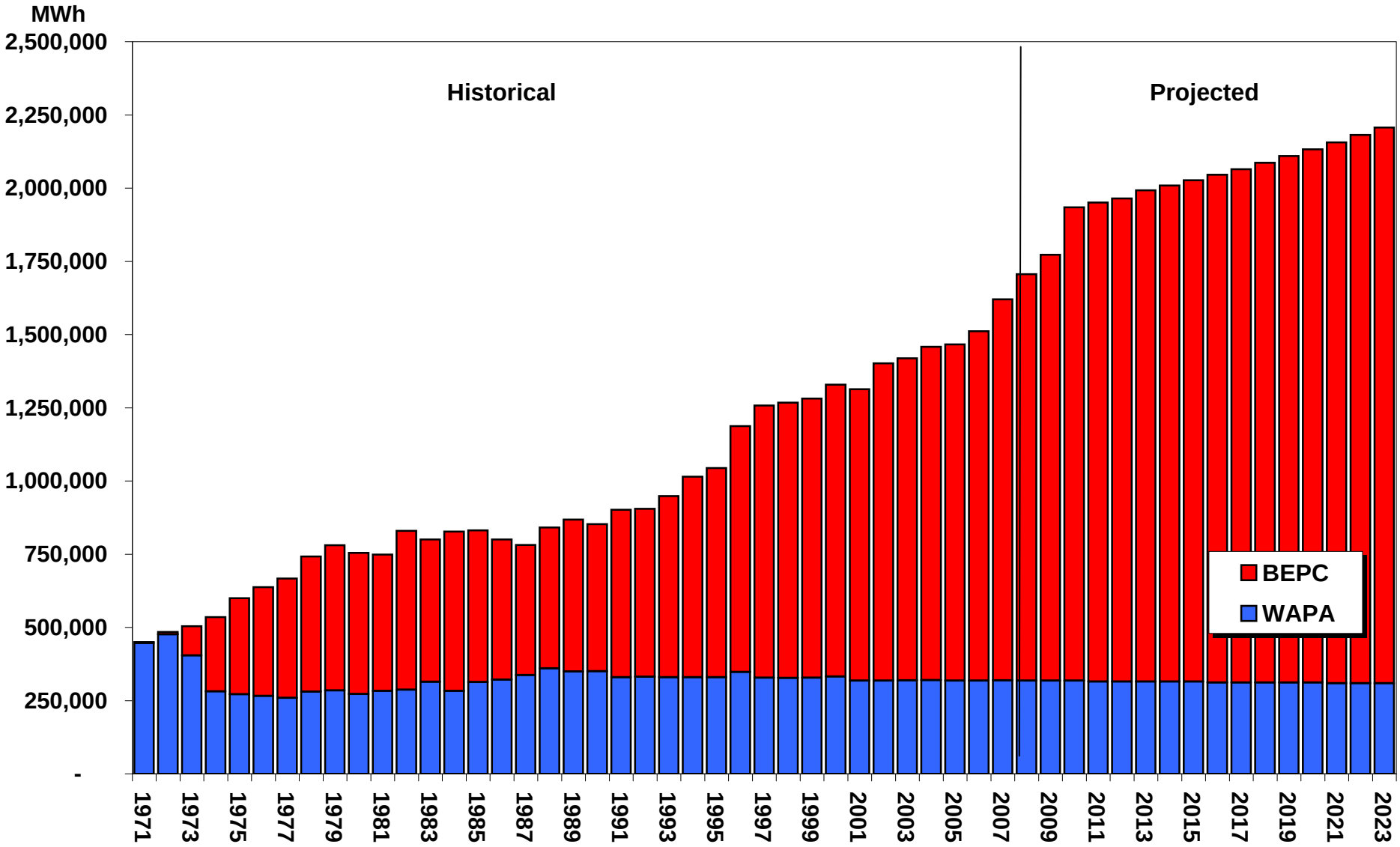
Purchase Summary — Table 11

Year	Purchases At Time Of System Peak (kW) WAPA	BEPC	Total	Change	Annual Energy Purchases (MWH) WAPA	BEPC	Total	Change	System Load Factor
1971	99,956	866	100,822		446,587	3,262	449,849		50.93%
1972	99,689	12,638	112,327	11.41%	476,628	8,063	484,691	7.75%	49.26%
1973	103,990	9,718	113,708	1.23%	404,502	99,412	503,914	3.97%	50.59%
1974	62,639	56,348	118,987	4.64%	281,370	254,031	535,401	6.25%	51.37%
1975	62,639	75,586	138,225	16.17%	271,335	328,230	599,565	11.98%	49.52%
1976	62,639	87,478	150,117	8.60%	265,940	371,445	637,385	6.31%	48.47%
1977	64,502	110,237	174,739	16.40%	259,693	407,061	666,754	4.61%	43.56%
1978	62,778	104,537	167,315	-4.25%	280,521	462,044	742,565	11.37%	50.66%
1979	64,541	112,888	177,429	6.04%	284,702	496,011	780,713	5.14%	50.23%
1980	64,561	113,919	178,480	0.59%	272,323	481,951	754,274	-3.39%	48.24%
1981	64,458	107,138	171,596	-3.86%	282,814	466,189	749,003	-0.70%	49.83%
1982	66,820	125,824	192,644	12.27%	287,604	541,788	829,392	10.73%	49.15%
1983	66,839	110,376	177,215	-8.01%	314,203	486,204	800,407	-3.49%	51.56%
1984	66,803	123,599	190,402	7.44%	282,934	544,498	827,432	3.38%	49.61%
1985	63,323	104,705	168,028	-11.75%	313,316	518,166	831,482	0.49%	56.49%
1986	58,132	93,897	152,029	-9.52%	321,266	478,853	800,119	-3.77%	60.08%
1987	61,297	81,815	143,112	-5.87%	337,445	444,071	781,516	-2.33%	62.34%
1988	58,149	92,812	150,961	5.48%	360,130	481,056	841,186	7.64%	63.61%
1989	62,081	111,470	173,551	14.96%	349,376	518,613	867,989	3.19%	57.09%
1990	63,277	119,185	182,462	5.13%	350,011	502,453	852,464	-1.79%	53.33%
1991	62,325	114,598	176,923	-3.04%	330,176	571,256	901,432	5.74%	58.16%
1992	62,343	105,277	167,620	-5.26%	331,272	573,548	904,820	0.38%	61.62%
1993	62,278	122,860	185,138	10.45%	329,791	618,727	948,518	4.83%	58.49%
1994	62,193	134,978	197,171	6.50%	329,458	685,002	1,014,460	6.95%	58.73%
1995	63,361	143,071	206,432	4.70%	329,409	714,842	1,044,251	2.94%	57.75%
1996	63,502	158,023	221,525	7.31%	347,993	839,455	1,187,448	13.71%	61.19%
1997	62,215	162,999	225,214	1.67%	328,068	929,641	1,257,709	5.92%	63.75%
1998	63,026	174,631	237,657	5.52%	327,607	939,741	1,267,348	0.77%	60.88%
1999	61,740	170,804	232,544	-2.15%	327,860	953,344	1,281,204	1.09%	62.89%
2000	63,375	176,495	239,870	3.15%	332,573	996,572	1,329,145	3.74%	63.25%
2001	60,865	160,232	221,097	-7.83%	318,372	995,059	1,313,431	-1.18%	67.81%
2002	60,873	173,895	234,768	6.18%	318,525	1,083,075	1,401,600	6.71%	68.15%
2003	59,654	189,519	249,173	6.14%	318,945	1,100,243	1,419,188	1.25%	65.02%
2004	59,655	203,818	263,473	5.74%	320,365	1,138,011	1,458,376	2.76%	63.19%
2005	59,708	210,226	269,934	2.45%	318,619	1,148,126	1,466,745	0.57%	62.03%
2006	60,798	218,017	278,815	3.29%	318,361	1,193,463	1,511,824	3.07%	61.90%
2007	57,584	235,101	292,685	4.97%	318,953	1,301,463	1,620,416	7.18%	63.20%
2008	59,557	242,028	301,585	3.04%	318,340	1,388,113	1,706,453	5.31%	64.59%
2009	59,557	257,016	316,573	4.97%	318,340	1,454,208	1,772,548	3.87%	63.92%
2010	59,557	284,315	343,872	8.62%	318,340	1,616,544	1,934,884	9.16%	64.23%
2011	59,557	287,371	346,928	0.89%	315,206	1,635,537	1,950,743	0.82%	64.19%
2012	59,557	289,967	349,524	0.75%	315,206	1,649,394	1,964,600	0.71%	64.16%
2013	58,968	296,023	354,991	1.56%	315,206	1,677,061	1,992,267	1.41%	64.07%
2014	58,968	299,375	358,343	0.94%	315,206	1,694,171	2,009,377	0.86%	64.01%
2015	58,968	302,823	361,791	0.96%	315,206	1,711,757	2,026,963	0.88%	63.96%
2016	58,968	306,336	365,304	0.97%	312,103	1,733,350	2,045,453	0.91%	63.92%
2017	58,968	310,257	369,225	1.07%	312,103	1,752,686	2,064,789	0.95%	63.84%
2018	58,385	315,201	373,586	1.18%	312,103	1,774,954	2,087,057	1.08%	63.77%
2019	58,385	319,588	377,973	1.17%	312,103	1,797,265	2,109,368	1.07%	63.71%
2020	58,385	324,055	382,440	1.18%	312,103	1,820,461	2,132,564	1.10%	63.66%
2021	58,385	328,897	387,282	1.27%	309,029	1,847,450	2,156,479	1.12%	63.56%
2022	58,385	333,882	392,267	1.29%	309,029	1,872,590	2,181,619	1.17%	63.49%
2023	57,808	339,502	397,310	1.29%	309,029	1,898,029	2,207,058	1.17%	63.41%
									Projected

Central Power

Annual Energy Purchases

Graph 11



Central Power

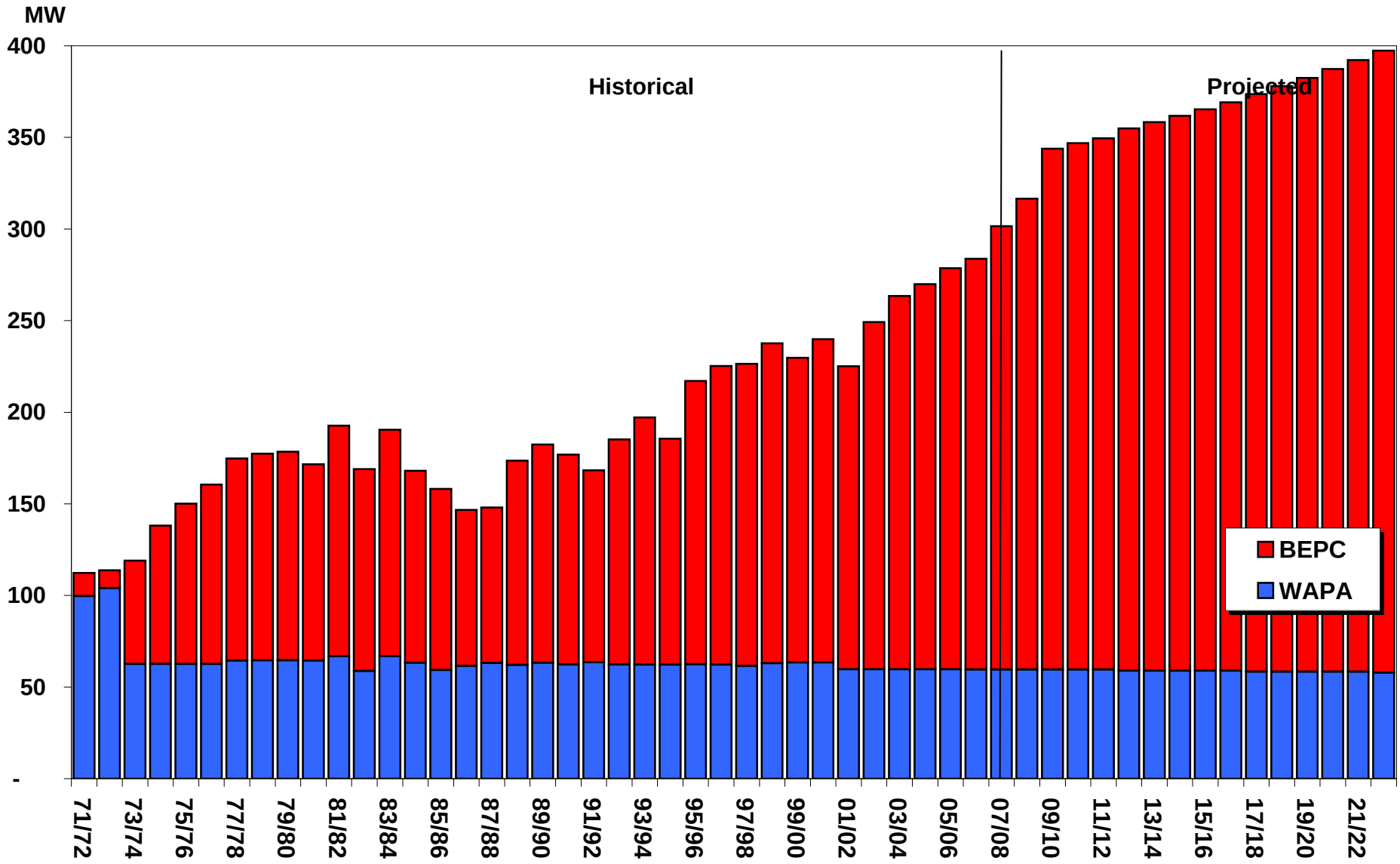
Seasonal Demand Purchase Summary — Table 12

Summer Season	Purchases At Time Of Summer Peak (kW) WAPA	BEPC	Total	Change	Winter Season	Purchases At Time Of Winter Peak (kW) WAPA	BEPC	Total	Change
1971	69,717	463	70,180						
1972	74,964	607	75,571	7.68%	71/72	99,689	12,638	112,327	
1973	81,030	666	81,696	8.10%	72/73	103,990	9,718	113,708	1.23%
1974	43,367	39,118	82,485	0.97%	73/74	62,639	56,348	118,987	4.64%
1975	42,646	51,418	94,064	14.04%	74/75	62,639	75,493	138,132	16.09%
1976	42,376	59,081	101,457	7.86%	75/76	62,639	87,478	150,117	8.68%
1977	41,211	64,536	105,747	4.23%	76/77	62,639	97,925	160,564	6.96%
1978	42,460	70,378	112,838	6.71%	77/78	64,502	110,237	174,739	8.83%
1979	42,509	74,219	116,728	3.45%	78/79	64,541	112,888	177,429	1.54%
1980	45,393	79,306	124,699	6.83%	79/80	64,561	113,919	178,480	0.59%
1981	47,896	78,935	126,831	1.71%	80/81	64,458	107,138	171,596	-3.86%
1982	44,120	85,087	129,207	1.87%	81/82	66,820	125,824	192,644	12.27%
1983	53,500	70,609	124,109	-3.95%	82/83	58,823	110,139	168,962	-12.29%
1984	41,463	78,491	119,954	-3.35%	83/84	66,803	123,599	190,402	12.69%
1985	43,691	71,565	115,256	-3.92%	84/85	63,323	104,705	168,028	-11.75%
1986	44,959	65,690	110,649	-4.00%	85/86	59,314	98,893	158,207	-5.84%
1987	47,181	64,051	111,232	0.53%	86/87	61,535	85,096	146,631	-7.32%
1988	52,521	64,419	116,940	5.13%	87/88	63,072	84,979	148,051	0.97%
1989	47,828	72,814	120,642	3.17%	88/89	62,081	111,470	173,551	17.22%
1990	47,351	74,668	122,019	1.14%	89/90	63,277	119,185	182,462	5.13%
1991	37,018	84,042	121,060	-0.79%	90/91	62,325	114,598	176,923	-3.04%
1992	42,486	90,025	132,511	9.46%	91/92	63,543	104,796	168,339	-4.85%
1993	42,460	89,269	131,729	-0.59%	92/93	62,278	122,860	185,138	9.98%
1994	42,169	92,973	135,142	2.59%	93/94	62,193	134,978	197,171	6.50%
1995	42,293	100,230	142,523	5.46%	94/95	62,204	123,336	185,540	-5.90%
1996	42,348	107,979	150,327	5.48%	95/96	62,515	154,602	217,117	17.02%
1997	41,859	136,846	178,705	18.88%	96/97	62,215	162,999	225,214	3.73%
1998	42,009	129,800	171,809	-3.86%	97/98	61,531	164,880	226,411	0.53%
1999	41,810	141,127	182,937	6.48%	98/99	63,026	174,631	237,657	4.97%
2000	41,633	143,223	184,856	1.05%	99/00	63,402	166,362	229,764	-3.32%
2001	40,680	152,285	192,965	4.39%	00/01	63,375	176,495	239,870	4.40%
2002	40,681	176,466	217,147	12.53%	01/02	59,647	165,422	225,069	-6.17%
2003	39,983	162,995	202,978	-6.53%	02/03	59,654	189,519	249,173	10.71%
2004	40,682	160,928	201,610	-0.67%	03/04	59,655	203,818	263,473	5.74%
2005	40,681	163,307	203,988	1.18%	04/05	59,708	210,226	269,934	2.45%
2006	40,622	188,002	228,624	12.08%	05/06	59,759	218,868	278,627	3.22%
2007	40,485	180,699	221,184	-3.25%	06/07	59,577	224,194	283,771	1.85%
2008	40,618	197,960	238,578	7.86%	07/08	59,557	242,028	301,585	6.28%
2009	40,618	201,940	242,558	1.67%	08/09	59,557	257,016	316,573	4.97%
2010	40,618	225,317	265,935	9.64%	09/10	59,557	284,315	343,872	8.62%
2011	40,618	227,500	268,118	0.82%	10/11	59,557	287,371	346,928	0.89%
2012	40,618	229,316	269,934	0.68%	11/12	59,557	289,967	349,524	0.75%
2013	40,218	233,582	273,800	1.43%	12/13	58,968	296,023	354,991	1.56%
2014	40,218	235,955	276,173	0.87%	13/14	58,968	299,375	358,343	0.94%
2015	40,218	238,396	278,614	0.88%	14/15	58,968	302,823	361,791	0.96%
2016	40,074	241,092	281,166	0.92%	15/16	58,968	306,336	365,304	0.97%
2017	40,074	244,038	284,112	1.05%	16/17	58,968	310,257	369,225	1.07%
2018	39,680	247,859	287,539	1.21%	17/18	58,385	315,201	373,586	1.18%
2019	39,680	251,159	290,839	1.15%	18/19	58,385	319,588	377,973	1.17%
2020	39,680	254,449	294,129	1.13%	19/20	58,385	324,055	382,440	1.18%
2021	39,680	258,044	297,724	1.22%	20/21	58,385	328,897	387,282	1.27%
2022	39,680	261,696	301,376	1.23%	21/22	58,385	333,882	392,267	1.29%
2023	39,289	265,779	305,068	1.22%	22/23	57,808	339,502	397,310	1.29%
									Projected

Central Power

Graph 12a

Winter Season Demand Purchases



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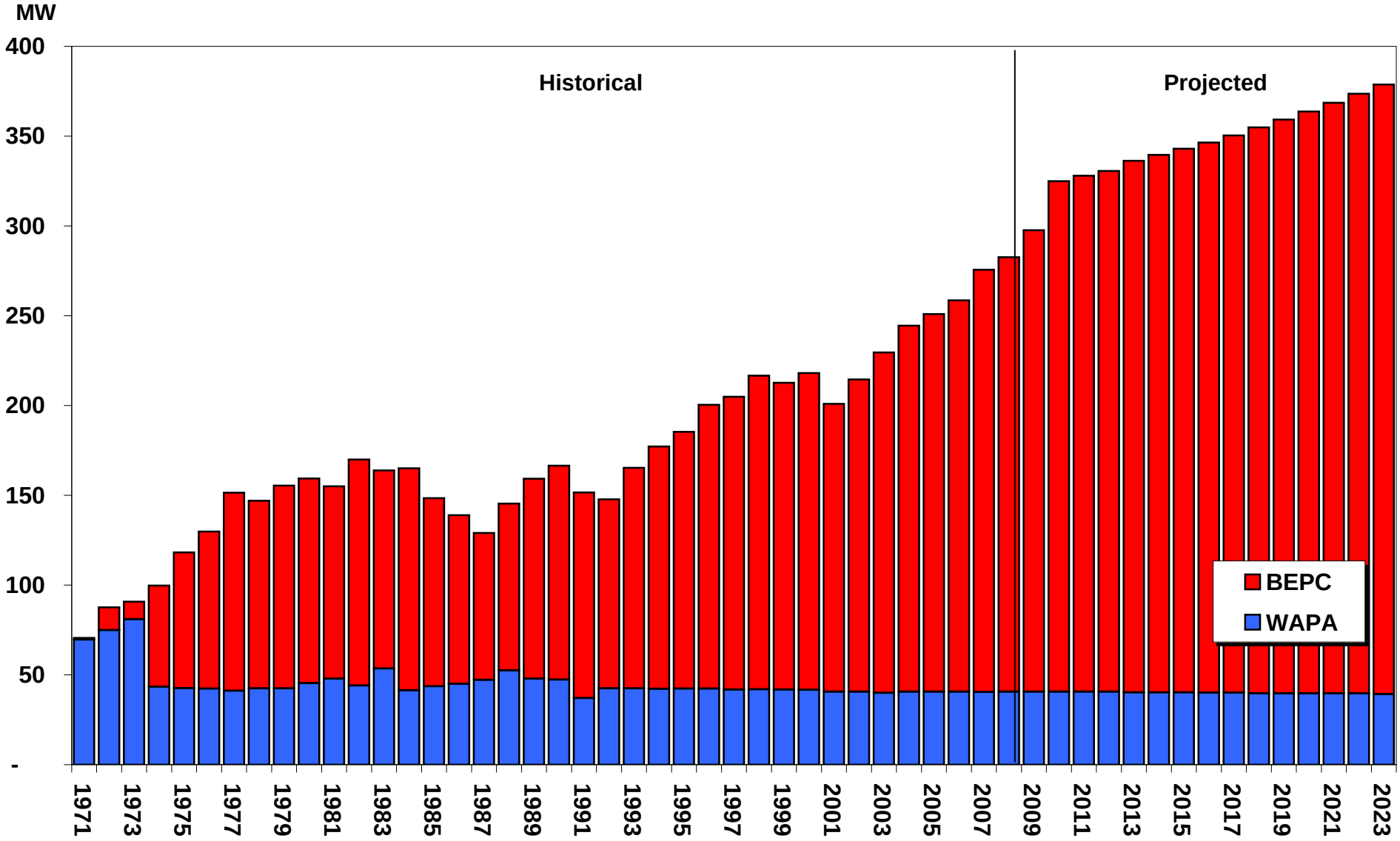
Graph 12b

Summer Season Demand Purchases



Appendix

APPENDIX

Included in this section are historical and projected monthly demand and energy requirements of Central Power's six distribution members. Also included for each system are Table 1 and Graph 1 of each member's respective Load Forecast that provides information on total sales and energy requirements by consumer classification.

Also included are the monthly demand and energy requirements of Central Power's members, and finally, Central Power's Basin Electric, Western and total wholesale power supply purchases.

TOTAL POWER REQUIREMENTS

2009 Load Forecast

Central Power Members

Central Power

Total Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	99,790	98,676	80,757	78,350	67,768	64,806	62,034	66,155	65,723	69,868	87,958	98,099	939,984
1972	112,490	108,501	95,768	81,612	72,354	66,659	65,290	69,450	72,065	76,374	88,268	109,870	1,018,701
1973	107,511	98,952	88,747	79,624	77,678	72,879	68,973	71,338	73,883	73,725	97,039	108,015	1,018,364
1974	118,592	110,313	95,944	101,676	81,257	73,615	75,501	75,869	77,136	82,676	102,262	114,652	1,109,493
1975	136,969	130,646	111,787	111,856	89,675	77,759	85,548	89,099	85,506	93,436	107,689	136,273	1,256,243
1976	147,548	129,467	127,522	104,791	89,623	86,797	90,792	94,253	96,221	100,885	117,476	147,113	1,332,488
1977	155,088	158,181	114,050	108,878	91,532	89,997	100,558	98,250	94,912	104,526	134,506	166,088	1,416,566
1978	160,177	161,007	139,648	118,820	99,374	93,017	99,555	108,330	109,844	105,841	142,828	156,891	1,495,332
1979	171,380	168,458	152,340	140,672	112,897	103,219	109,321	109,418	105,564	111,850	138,807	161,533	1,585,459
1980	171,662	159,829	154,562	128,517	107,071	109,892	112,072	113,687	107,527	120,564	125,236	164,051	1,574,670
1981	165,926	164,586	129,128	113,704	108,891	106,644	119,103	119,970	123,058	118,862	139,767	159,950	1,569,589
1982	184,221	173,979	153,478	137,905	111,861	105,712	115,529	122,021	121,813	125,005	153,262	160,763	1,665,549
1983	154,158	153,827	143,520	131,767	113,856	104,625	119,346	125,075	125,158	129,150	135,451	176,613	1,612,546
1984	189,528	167,909	151,387	109,363	107,436	90,767	101,519	114,970	110,015	111,663	150,584	149,443	1,554,584
1985	161,778	158,634	128,733	108,974	94,334	84,625	101,195	105,087	97,149	110,074	142,354	150,168	1,443,105
1986	146,120	138,283	133,360	109,959	93,033	92,960	98,728	97,266	91,675	106,329	138,093	142,508	1,388,314
1987	137,865	137,051	122,870	108,436	91,324	93,280	97,362	101,858	88,839	107,208	125,444	127,620	1,339,157
1988	142,068	139,578	131,018	109,826	94,006	103,425	108,905	113,043	99,042	106,410	127,511	145,436	1,420,268
1989	155,402	166,633	144,006	125,252	98,427	91,354	112,730	116,148	106,099	114,777	137,858	164,527	1,533,213
1990	175,915	152,050	132,244	125,427	107,418	90,130	105,166	117,953	110,030	117,806	132,693	158,189	1,525,021
1991	170,061	156,105	140,818	119,822	110,522	94,151	115,277	109,096	116,079	113,366	148,440	161,435	1,555,172
1992	160,902	150,456	139,812	126,234	122,302	99,250	96,069	110,059	117,146	126,802	141,479	155,642	1,546,153
1993	177,431	174,264	160,676	131,026	110,543	95,904	104,835	110,060	115,421	125,985	146,579	171,563	1,624,287
1994	188,689	182,895	169,847	132,627	125,280	101,726	110,939	120,693	129,002	129,593	147,230	175,754	1,714,275
1995	177,782	173,061	171,546	147,889	121,924	119,187	126,180	131,548	130,247	136,592	160,172	197,560	1,793,688
1996	191,641	208,122	181,831	165,413	124,562	116,665	125,320	127,833	136,584	143,978	185,902	212,937	1,920,788
1997	214,672	201,105	190,342	162,268	134,753	138,233	150,384	154,205	143,097	170,094	185,749	191,791	2,036,693
1998	219,242	184,504	204,173	159,521	139,789	137,395	152,716	161,114	161,819	166,081	193,408	229,771	2,109,533
1999	224,409	197,893	182,268	171,033	150,662	141,025	161,218	163,047	157,639	174,267	187,872	221,712	2,133,045
2000	212,471	204,334	185,982	168,727	151,030	147,755	164,724	178,786	155,795	171,065	200,261	231,192	2,172,122
2001	208,741	203,930	187,735	171,509	142,924	156,639	168,710	178,897	168,693	185,802	206,622	213,152	2,193,354
2002	216,642	210,050	209,377	183,232	163,272	168,208	181,410	176,832	172,923	209,002	212,363	228,720	2,332,031
2003	239,953	236,472	231,696	192,771	149,896	153,849	172,071	195,827	179,195	187,116	218,196	228,687	2,385,729
2004	253,638	240,450	210,303	172,523	166,081	151,017	178,583	162,692	179,274	194,483	213,916	247,002	2,369,962
2005	259,846	233,869	209,928	173,895	166,145	173,766	180,020	176,951	167,088	196,646	222,441	243,784	2,404,379
2006	219,979	268,112	215,939	183,930	161,279	173,610	191,737	189,702	167,485	220,202	259,719	268,556	2,520,250
2007	273,050	272,690	239,833	220,136	163,902	180,218	213,694	193,267	187,037	210,741	281,765	278,020	2,714,353
2008	290,265	258,380	237,531	204,470	182,587	186,471	228,093	205,063	204,211	230,066	269,164	282,724	2,779,025
2009	304,690	272,702	251,068	217,783	195,042	199,179	231,913	208,286	207,495	233,904	273,801	287,647	2,883,510
2010	330,964	297,437	274,423	239,477	215,717	219,945	255,058	229,252	228,865	256,446	298,276	312,760	3,158,620
2011	333,906	300,042	276,770	241,449	217,477	221,892	257,451	231,310	230,804	258,552	300,884	315,524	3,186,061
2012	336,404	301,931	278,741	243,078	218,897	223,463	259,400	232,970	232,390	260,303	303,074	317,865	3,208,516
2013	341,666	306,769	282,915	246,497	222,008	226,745	263,533	236,455	235,803	264,031	307,620	322,637	3,256,679
2014	344,892	309,632	285,486	248,645	223,891	228,771	266,005	238,590	237,871	266,319	310,454	325,653	3,286,209
2015	348,211	312,581	288,133	250,855	225,829	230,868	268,564	240,797	240,007	268,673	313,369	328,761	3,316,648
2016	351,592	315,253	290,807	253,070	227,759	232,959	271,134	243,003	242,141	271,041	316,325	331,917	3,347,001
2017	355,366	318,929	293,831	255,609	229,989	235,317	273,975	245,477	244,568	273,738	319,636	335,442	3,381,877
2018	359,563	322,670	297,184	258,406	232,449	238,023	277,280	248,320	247,295	276,723	323,328	339,378	3,420,619
2019	363,785	326,416	300,548	261,211	234,902	240,640	280,462	251,071	249,982	279,709	327,023	343,319	3,459,068
2020	368,085	329,895	303,949	264,025	237,345	243,234	283,635	253,805	252,663	282,707	330,766	347,316	3,497,425
2021	372,745	334,364	307,681	267,152	240,080	246,116	287,101	256,827	255,639	286,014	334,844	351,660	3,540,223
2022	377,543	338,619	311,499	270,327	242,843	249,022	290,623	259,880	258,651	289,379	339,021	356,122	3,583,529
2023	382,397	342,923	315,362	273,538	245,636	251,962	294,183	262,968	261,702	292,789	343,246	360,632	3,627,338

Projected

Central Power

Total Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	51,234	49,397	38,864	40,320	32,639	32,357	28,159	31,753	31,756	32,789	39,171	47,973	456,412
1972	53,754	57,929	44,444	41,447	33,377	33,252	30,631	33,934	32,220	35,630	43,541	52,905	493,064
1973	52,277	51,334	40,013	39,776	37,568	34,436	32,291	34,080	34,257	33,978	45,367	51,717	487,094
1974	62,374	55,954	46,100	47,479	39,678	35,502	34,379	37,204	36,612	39,909	45,049	56,699	536,939
1975	64,505	69,129	54,125	57,199	40,266	37,304	38,759	39,064	37,283	43,489	50,170	64,696	595,989
1976	73,834	66,757	57,277	50,140	41,377	42,267	39,540	44,463	41,717	45,679	57,313	73,574	633,938
1977	84,775	73,147	52,473	49,458	41,191	41,105	42,812	43,721	44,236	49,041	59,609	76,936	658,504
1978	86,205	87,870	66,332	59,741	44,148	43,852	42,815	50,906	45,854	50,161	62,218	81,705	721,807
1979	92,157	95,626	71,590	67,302	54,221	45,648	45,640	48,367	45,808	48,538	68,791	75,083	758,771
1980	84,044	82,922	74,789	59,958	45,512	47,437	51,096	48,424	44,836	53,505	67,015	72,869	732,407
1981	86,375	81,584	57,387	55,439	49,270	44,983	50,472	54,736	51,253	52,648	66,432	76,570	727,149
1982	95,651	92,568	69,909	67,613	50,366	48,641	48,741	56,249	53,105	56,173	72,592	83,331	794,939
1983	79,308	81,439	64,368	63,051	52,653	48,208	50,492	56,634	54,765	58,262	68,595	83,831	761,606
1984	94,727	81,029	71,815	57,242	54,829	47,181	49,940	60,033	54,688	55,117	80,415	78,159	785,175
1985	94,471	88,056	62,668	57,788	50,405	48,281	50,852	57,446	54,889	63,277	72,187	89,747	790,067
1986	83,682	83,627	66,864	62,948	51,262	49,629	51,183	52,105	51,034	59,919	78,002	77,099	767,354
1987	81,529	78,818	64,468	60,335	49,894	47,178	52,599	56,656	56,015	57,829	68,219	76,427	749,967
1988	84,910	87,692	77,433	61,932	55,561	57,215	59,592	61,481	55,517	58,076	74,616	75,797	809,822
1989	91,530	92,611	76,213	67,710	52,011	54,712	58,090	66,451	53,901	61,662	72,250	87,734	834,875
1990	86,590	90,981	69,781	67,649	58,385	50,467	54,346	62,746	60,012	61,165	76,162	81,791	820,075
1991	105,573	83,768	72,536	64,603	59,791	54,624	54,238	65,562	63,017	68,537	82,834	91,299	866,382
1992	88,887	86,337	74,000	71,543	60,215	54,518	55,412	62,676	70,022	69,184	83,337	92,470	868,601
1993	105,474	90,756	81,702	77,508	59,086	58,696	53,344	61,331	68,859	74,476	85,088	95,492	911,812
1994	114,827	116,184	76,017	73,058	64,114	61,748	62,843	68,846	77,027	73,819	90,313	96,404	975,200
1995	104,596	104,579	89,270	84,950	65,640	66,843	64,118	73,897	69,628	78,213	94,836	107,013	1,003,583
1996	109,175	114,745	97,444	91,874	72,041	66,870	68,489	71,965	80,338	83,079	108,852	174,496	1,139,368
1997	133,538	108,014	111,904	93,035	83,685	80,459	89,421	94,023	89,706	102,315	112,151	117,061	1,215,312
1998	129,235	102,823	114,593	89,648	84,616	78,930	92,803	97,541	89,331	102,563	114,834	128,425	1,225,342
1999	134,774	106,382	108,648	93,923	87,670	81,113	91,991	95,290	94,271	109,707	109,194	125,125	1,238,088
2000	132,942	112,423	108,897	94,498	87,688	84,096	94,608	103,003	93,079	104,653	118,782	146,705	1,281,374
2001	125,536	114,500	116,516	97,756	86,347	86,460	97,874	104,686	91,064	104,602	109,671	130,208	1,265,220
2002	131,647	111,255	125,850	102,667	95,240	90,002	101,034	102,721	99,328	120,879	129,843	138,194	1,348,660
2003	144,045	129,152	128,136	101,459	91,635	86,392	98,933	111,889	98,646	110,029	128,156	138,127	1,366,599
2004	154,244	130,449	124,493	102,532	95,404	87,197	98,374	96,525	111,286	123,357	130,202	149,005	1,403,068
2005	158,554	126,099	130,120	103,965	99,137	91,936	102,712	105,029	95,578	113,909	130,037	148,554	1,405,630
2006	139,042	137,424	135,233	104,705	97,254	96,827	115,686	111,865	97,552	126,139	140,230	152,259	1,454,216
2007	160,145	150,798	134,460	116,814	104,097	101,989	119,155	117,612	105,816	124,664	150,440	173,071	1,559,061
2008	168,603	148,540	143,549	118,468	111,344	107,422	131,540	125,000	122,080	139,225	154,087	170,962	1,640,820
2009	177,650	156,400	152,293	126,704	119,428	115,315	133,524	126,964	124,014	141,515	156,665	173,899	1,704,371
2010	192,585	169,850	165,780	138,639	131,579	126,855	146,361	139,470	136,228	154,406	170,195	188,518	1,860,466
2011	194,229	171,288	167,148	139,731	132,612	127,860	147,583	140,608	137,313	155,630	171,584	190,130	1,875,716
2012	195,608	173,338	168,274	140,612	133,434	128,662	148,565	141,512	138,192	156,629	172,737	191,477	1,889,040
2013	198,585	175,063	170,694	142,515	135,284	130,472	150,841	143,661	140,192	158,793	175,205	194,336	1,915,641
2014	200,383	176,634	172,179	143,694	136,391	131,541	152,126	144,857	141,359	160,119	176,718	196,092	1,932,093
2015	202,231	178,245	173,707	144,903	137,528	132,643	153,448	146,086	142,559	161,482	178,276	197,896	1,949,004
2016	204,103	180,728	175,241	146,106	138,652	133,730	154,766	147,305	143,748	162,840	179,842	199,720	1,966,781
2017	206,216	181,727	177,000	147,509	139,972	135,001	156,276	148,718	145,134	164,412	181,629	201,781	1,985,375
2018	208,551	183,762	178,928	149,039	141,413	136,405	157,964	150,285	146,653	166,130	183,595	204,061	2,006,786
2019	210,905	185,814	180,871	150,575	142,855	137,798	159,630	151,833	148,171	167,860	185,573	206,354	2,028,239
2020	213,285	188,740	182,823	152,103	144,281	139,167	161,280	153,367	149,679	169,584	187,563	208,670	2,050,542
2021	215,890	190,167	184,983	153,823	145,898	140,720	163,120	155,088	151,376	171,509	189,757	211,206	2,073,537
2022	218,557	192,494	187,182	155,555	147,520	142,279	164,977	156,817	153,083	173,456	191,993	213,798	2,097,711
2023	221,257	194,846	189,405	157,306	149,163	143,855	166,856	158,569	154,813	175,426	194,253	216,422	2,122,171

Projected

WHOLESALE POWER SUPPLY PURCHASES

2009 Load Forecast

Central Power

Central Power

WAPA Demand Purchases (kW)

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Total
1971	99,956	98,971	81,561	78,487	67,918	64,798	61,933	65,845	65,455	69,717	87,857	98,055	940,553
1972	99,689	97,495	94,744	80,586	71,451	65,732	64,295	68,568	70,926	74,964	85,721	98,060	972,231
1973	103,990	98,683	92,652	72,733	81,030	72,222	44,563	45,725	44,528	44,218	58,522	65,677	824,543
1974	62,639	58,320	50,528	53,654	42,679	38,533	39,562	39,842	40,555	43,367	53,981	60,442	584,102
1975	62,639	59,657	50,860	50,962	40,772	35,086	38,763	40,943	38,996	42,646	49,399	62,639	573,362
1976	62,639	54,447	53,780	44,084	37,417	37,075	38,110	39,599	40,448	42,376	49,604	62,216	561,795
1977	62,639	62,639	44,933	42,869	35,825	35,405	39,618	38,671	37,282	41,211	55,043	64,502	560,637
1978	62,778	62,392	54,035	45,921	38,417	35,911	38,377	41,476	42,460	41,048	55,296	62,384	580,495
1979	64,541	63,374	57,284	52,892	42,381	38,571	40,842	40,772	39,461	42,509	51,359	60,675	594,661
1980	64,561	59,993	58,457	47,765	40,824	40,442	42,170	41,619	38,387	45,393	50,859	61,598	592,068
1981	64,458	64,125	50,222	44,225	42,246	41,545	46,346	46,663	47,896	46,110	54,369	62,211	610,416
1982	66,820	63,719	56,218	50,545	39,279	37,146	40,745	43,113	43,236	44,120	56,398	58,823	600,162
1983	58,878	64,085	59,324	55,161	47,527	43,531	49,327	51,859	51,892	53,500	56,386	66,839	658,309
1984	66,803	58,860	53,494	41,491	38,717	32,568	36,869	41,463	39,087	40,555	53,774	53,688	557,369
1985	63,323	62,867	50,380	43,369	38,098	34,454	40,342	41,857	39,055	43,691	56,403	59,314	573,153
1986	58,132	58,246	56,377	46,627	39,533	39,218	41,569	41,149	39,137	44,959	58,408	61,535	584,890
1987	61,297	60,988	58,055	50,207	42,582	43,605	45,283	47,701	41,584	47,181	55,358	58,423	612,264
1988	63,072	61,827	57,758	49,450	43,686	48,284	50,493	52,521	45,920	46,731	55,485	58,149	633,376
1989	63,264	62,081	58,296	49,782	42,940	43,615	45,578	47,828	41,440	47,217	55,596	58,414	616,051
1990	63,277	62,174	58,242	49,829	43,054	43,733	45,639	47,983	41,825	47,351	55,627	58,658	617,392
1991	62,325	62,425	60,179	51,843	39,719	39,791	42,230	41,691	37,018	42,392	60,183	63,543	603,339
1992	62,343	62,365	60,127	51,772	39,685	39,875	42,192	41,641	37,236	42,486	60,026	63,378	603,126
1993	62,278	62,556	60,118	51,697	39,557	39,728	42,122	41,466	37,166	42,460	59,936	63,388	602,472
1994	62,193	62,342	60,205	51,613	39,594	39,709	41,969	41,535	37,113	42,169	59,834	63,259	601,535
1995	62,204	62,291	60,136	51,691	39,446	39,759	42,070	41,663	37,129	42,293	59,889	63,361	601,932
1996	62,242	62,515	60,150	51,850	39,576	39,719	41,958	41,518	37,066	42,348	60,110	63,502	602,554
1997	62,215	62,058	59,737	51,447	39,209	39,592	41,821	41,510	36,878	41,859	59,236	62,360	597,922
1998	61,531	61,794	59,588	51,323	39,055	39,314	41,619	41,116	36,510	42,009	60,120	63,026	597,005
1999	61,740	61,915	59,860	51,901	39,449	39,433	41,906	41,073	36,540	41,810	59,803	63,402	598,832
2000	62,123	62,389	60,196	51,923	39,619	39,888	42,222	41,633	37,044	42,360	60,115	63,375	602,887
2001	59,651	59,916	57,794	49,832	38,071	38,364	40,542	39,995	35,577	40,680	57,710	60,865	578,997
2002	59,647	59,852	57,774	49,841	38,080	38,338	40,548	39,997	35,594	40,681	57,723	60,873	578,948
2003	59,654	59,912	57,784	49,869	38,090	38,315	40,529	39,983	35,563	40,673	57,729	60,892	578,993
2004	59,655	59,953	57,833	49,832	38,056	38,320	40,542	39,977	35,576	40,682	57,705	60,937	579,068
2005	59,708	59,922	57,773	49,843	38,074	38,314	40,532	39,984	35,584	40,681	57,722	60,914	579,051
2006	59,571	59,759	57,676	49,729	37,996	38,260	40,470	39,918	35,530	40,622	57,687	60,798	578,016
2007	59,577	59,798	57,727	49,757	38,002	38,263	40,485	40,552	35,530	40,625	57,584	60,795	578,695
2008	59,557	59,792	57,684	49,743	38,006	38,257	40,472	39,918	35,522	40,618	57,612	60,789	577,970
2009	59,557	59,792	57,684	49,743	38,006	38,257	40,472	39,918	35,522	40,618	57,612	60,789	577,970
2010	59,557	59,792	57,684	49,743	38,006	38,257	40,472	39,918	35,522	40,618	57,612	60,789	577,970
2011	59,557	59,792	57,684	49,743	38,006	38,257	40,472	39,918	35,522	40,618	57,612	60,789	577,970
2012	59,557	59,792	57,684	49,743	38,006	38,257	40,472	39,918	35,522	40,618	57,612	60,789	577,970
2013	58,968	59,201	57,114	49,252	37,632	37,881	40,074	39,525	35,173	40,218	57,042	60,188	572,268
2014	58,968	59,201	57,114	49,252	37,632	37,881	40,074	39,525	35,173	40,218	57,042	60,188	572,268
2015	58,968	59,201	57,114	49,252	37,632	37,881	40,074	39,525	35,173	40,218	57,042	60,188	572,268
2016	58,968	59,201	57,114	49,252	37,632	37,881	40,074	39,525	35,173	40,218	57,042	60,188	572,268
2017	58,968	59,201	57,114	49,252	37,632	37,881	40,074	39,525	35,173	40,218	57,042	60,188	572,268
2018	58,385	58,615	56,549	48,766	37,262	37,508	39,680	39,136	34,828	39,822	56,478	59,593	566,622
2019	58,385	58,615	56,549	48,766	37,262	37,508	39,680	39,136	34,828	39,822	56,478	59,593	566,622
2020	58,385	58,615	56,549	48,766	37,262	37,508	39,680	39,136	34,828	39,822	56,478	59,593	566,622
2021	58,385	58,615	56,549	48,766	37,262	37,508	39,680	39,136	34,828	39,822	56,478	59,593	566,622
2022	58,385	58,615	56,549	48,766	37,262	37,508	39,680	39,136	34,828	39,822	56,478	59,593	566,622
2023	57,808	58,035	55,990	48,285	36,896	37,139	39,289	38,751	34,486	39,430	55,920	59,004	561,033

Note: Includes Omega WAPA Allocation from 1980 through 2023

Projected

Central Power

Basin Electric Demand Purchases (kW)

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Total
1971	866	721	612	575	497	437	405	432	446	463	631	625	6,710
1972	12,638	10,778	896	756	651	562	558	612	621	607	2,047	11,497	42,223
1973	9,718	6,001	828	11,182	666	550	27,857	29,920	30,083	32,037	41,035	45,237	235,114
1974	56,348	52,427	45,477	48,271	38,411	34,641	35,623	35,876	36,549	39,118	48,691	54,507	525,939
1975	75,493	71,941	61,336	61,393	49,100	42,283	46,744	49,269	46,969	51,418	59,544	75,586	691,076
1976	87,478	76,049	74,957	61,380	52,101	51,637	53,003	55,129	56,321	59,081	69,120	86,669	782,925
1977	95,026	97,925	70,199	66,987	55,994	55,335	61,869	60,370	58,345	64,536	83,994	110,237	880,817
1978	104,537	103,791	89,959	76,375	63,498	59,334	63,651	68,767	70,378	67,858	91,801	99,420	959,369
1979	112,888	110,841	100,213	92,374	73,629	67,098	71,448	71,343	68,851	74,219	89,956	106,291	1,039,151
1980	113,919	106,342	102,737	83,693	71,388	72,602	75,844	74,999	69,374	79,306	89,192	108,609	1,048,005
1981	107,138	106,427	83,270	73,052	69,456	68,157	76,320	77,018	78,935	76,288	89,937	103,467	1,009,465
1982	125,824	119,948	105,021	94,070	75,130	71,776	78,360	82,944	83,210	85,087	105,806	110,139	1,137,315
1983	95,233	91,828	77,331	74,993	63,048	53,885	66,043	69,029	64,421	70,609	79,101	110,376	915,897
1984	123,599	110,711	92,358	75,264	71,987	60,297	69,066	78,491	73,067	76,501	104,525	103,592	1,039,458
1985	104,705	103,642	83,594	71,563	60,883	54,648	65,810	68,465	63,079	71,565	93,780	98,893	940,627
1986	93,897	85,646	82,739	68,158	57,525	57,166	60,691	59,795	56,440	65,690	86,394	85,096	859,237
1987	81,815	81,957	70,061	61,627	51,834	52,870	56,006	57,549	50,775	64,051	74,121	74,803	777,469
1988	84,979	82,897	77,400	63,689	53,816	59,149	62,210	64,419	55,814	63,268	77,089	92,812	837,542
1989	98,397	111,470	91,723	80,618	59,396	51,335	71,197	72,814	69,417	72,179	88,828	113,097	980,471
1990	119,185	96,093	79,207	80,776	69,051	49,719	62,551	73,986	72,144	74,668	82,156	105,915	965,451
1991	114,598	100,368	85,448	72,458	75,620	58,214	77,314	71,967	84,042	75,925	94,612	104,796	1,015,362
1992	105,277	94,459	85,454	79,986	88,455	62,943	58,173	72,834	85,481	90,025	87,530	98,702	1,009,319
1993	122,860	119,155	107,274	85,070	75,571	60,193	66,780	74,206	82,642	89,269	92,675	115,417	1,091,112
1994	134,978	128,541	116,987	86,491	91,050	69,818	73,752	83,926	97,450	92,973	93,674	120,434	1,190,074
1995	123,336	118,361	118,789	102,544	87,702	85,137	89,299	95,034	98,121	100,230	107,455	143,071	1,269,079
1996	137,878	154,602	129,514	120,844	90,352	81,602	88,476	91,472	105,207	107,979	133,477	158,023	1,399,426
1997	162,999	148,453	139,132	119,986	102,015	106,636	115,260	119,844	113,616	136,846	135,306	138,355	1,538,448
1998	164,880	131,483	151,923	112,623	105,424	102,111	115,920	126,866	130,703	129,800	139,815	174,631	1,586,179
1999	170,804	142,875	128,808	125,418	117,047	106,929	126,549	128,140	127,068	141,127	134,553	166,362	1,615,680
2000	157,722	148,749	132,324	122,315	116,585	112,965	128,223	143,223	124,128	134,760	147,338	176,495	1,644,827
2001	157,446	152,397	137,219	127,909	109,823	123,882	134,253	146,146	139,225	152,285	156,589	160,232	1,697,406
2002	165,422	158,223	159,512	140,794	131,137	135,880	147,322	143,330	144,052	176,466	162,477	173,895	1,838,510
2003	189,519	185,777	182,931	150,137	116,830	120,980	137,532	162,995	149,971	153,575	170,057	176,280	1,896,584
2004	203,818	190,277	160,333	128,808	134,273	118,101	144,467	130,796	149,855	160,928	163,955	195,587	1,881,198
2005	210,226	183,260	159,892	130,185	134,111	144,464	149,207	144,744	140,946	163,307	170,270	192,139	1,922,751
2006	168,603	218,868	166,260	140,950	128,841	142,928	158,505	155,977	137,565	188,002	211,923	218,017	2,036,439
2007	224,194	223,546	191,346	178,795	131,851	148,280	180,699	160,238	158,612	177,997	235,101	227,917	2,238,576
2008	242,028	208,665	189,111	162,701	151,337	155,113	196,060	172,732	176,245	197,960	222,049	232,961	2,306,963
2009	257,016	223,545	203,176	176,534	164,253	168,292	200,022	176,075	179,650	201,940	226,867	238,076	2,415,445
2010	284,315	249,245	227,441	199,074	185,693	189,826	224,023	197,816	201,811	225,317	252,297	264,169	2,701,026
2011	287,371	251,952	229,880	201,123	187,518	191,845	226,505	199,950	203,822	227,500	255,006	267,040	2,729,512
2012	289,967	253,914	231,928	202,815	188,990	193,474	228,526	201,672	205,466	229,316	257,282	269,473	2,752,824
2013	296,023	259,532	236,835	206,858	192,590	197,254	233,210	205,679	209,355	233,582	262,575	275,032	2,808,524
2014	299,375	262,507	239,506	209,090	194,543	199,355	235,773	207,893	211,499	235,955	265,520	278,165	2,839,181
2015	302,823	265,571	242,256	211,386	196,553	201,529	238,427	210,181	213,714	238,396	268,548	281,395	2,870,779
2016	306,336	268,347	245,034	213,688	198,554	203,697	241,092	212,469	215,927	240,852	271,620	284,674	2,902,290
2017	310,257	272,166	248,176	216,326	200,867	206,143	244,038	215,035	218,444	243,648	275,060	288,336	2,938,495
2018	315,201	276,639	252,225	219,718	203,788	209,322	247,859	218,372	221,617	247,140	279,460	293,021	2,984,361
2019	319,588	280,531	255,720	222,632	206,331	212,036	251,159	221,225	224,403	250,236	283,299	297,115	3,024,275
2020	324,055	284,146	259,254	225,556	208,865	214,726	254,449	224,060	227,184	253,345	287,188	301,268	3,064,095
2021	328,897	288,789	263,132	228,805	211,701	217,714	258,044	227,194	230,270	256,775	291,425	305,782	3,108,527
2022	333,882	293,210	267,098	232,104	214,566	220,728	261,696	230,360	233,393	260,264	295,765	310,418	3,153,484
2023	339,502	298,262	271,671	235,921	217,829	224,146	265,779	233,947	236,899	264,192	300,713	315,693	3,204,553

Projected Demand Loss Factor 2003-2007 Average: Summer Demand 3.7% - Winter Demand 3.9%

Projected

Central Power

Total System Demand Purchases (kW)

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Total
1971	100,822	99,692	82,173	79,062	68,415	65,235	62,338	66,277	65,901	70,180	88,488	98,680	947,263
1972	112,327	108,273	95,640	81,342	72,102	66,294	64,853	69,180	71,547	75,571	87,768	109,557	1,014,454
1973	113,708	104,684	93,480	83,915	81,696	72,772	72,420	75,645	74,611	76,255	99,557	110,914	1,059,657
1974	118,987	110,747	96,005	101,925	81,090	73,174	75,185	75,718	77,104	82,485	102,672	114,949	1,110,041
1975	138,132	131,598	112,196	112,355	89,872	77,369	85,507	90,212	85,965	94,064	108,943	138,225	1,264,438
1976	150,117	130,496	128,737	105,464	89,518	88,712	91,113	94,728	96,769	101,457	118,724	148,885	1,344,720
1977	157,665	160,564	115,132	109,856	91,819	90,740	101,487	99,041	95,627	105,747	139,037	174,739	1,441,454
1978	167,315	166,183	143,994	122,296	101,915	95,245	102,028	110,243	112,838	108,906	147,097	161,804	1,539,864
1979	177,429	174,215	157,497	145,266	116,010	105,669	112,290	112,115	108,312	116,728	141,315	166,966	1,633,812
1980	178,480	166,335	161,194	131,458	112,212	113,044	118,014	116,618	107,761	124,699	140,051	170,207	1,640,073
1981	171,596	170,552	133,492	117,277	111,702	109,702	122,666	123,681	126,831	122,398	144,306	165,678	1,619,881
1982	192,644	183,667	161,239	144,615	114,409	108,922	119,105	126,057	126,446	129,207	162,204	168,962	1,737,477
1983	154,111	155,913	136,655	130,154	110,575	97,416	115,370	120,888	116,313	124,109	135,487	177,215	1,574,206
1984	190,402	169,571	145,852	116,755	110,704	92,865	105,935	119,954	112,154	117,056	158,299	157,280	1,596,827
1985	168,028	166,509	133,974	114,932	98,981	89,102	106,152	110,322	102,134	115,256	150,183	158,207	1,513,780
1986	152,029	143,892	139,116	114,785	97,058	96,384	102,260	100,944	95,577	110,649	144,802	146,631	1,444,127
1987	143,112	142,945	128,116	111,834	94,416	96,475	101,289	105,250	92,359	111,232	129,479	133,226	1,389,733
1988	148,051	144,724	135,158	113,139	97,502	107,433	112,703	116,940	101,734	109,999	132,574	150,961	1,470,918
1989	161,661	173,551	150,019	130,400	102,336	94,950	116,775	120,642	110,857	119,396	144,424	171,511	1,596,522
1990	182,462	158,267	137,449	130,605	112,105	93,452	108,190	121,969	113,969	122,019	137,783	164,573	1,582,843
1991	176,923	162,793	145,627	124,301	115,339	98,005	119,544	113,658	121,060	118,317	154,795	168,339	1,618,701
1992	167,620	156,824	145,581	131,758	128,140	102,818	100,365	114,475	122,717	132,511	147,556	162,080	1,612,445
1993	185,138	181,711	167,392	136,767	115,128	99,921	108,902	115,672	119,808	131,729	152,611	178,805	1,693,584
1994	197,171	190,883	177,192	138,104	130,644	109,527	115,721	125,461	134,563	135,142	153,508	183,693	1,791,609
1995	185,540	180,652	178,925	154,235	127,148	124,896	131,369	136,697	135,250	142,523	167,344	206,432	1,871,011
1996	200,120	217,117	189,664	172,694	129,928	121,321	130,434	132,990	142,273	150,327	193,587	221,525	2,001,980
1997	225,214	210,511	198,869	171,433	141,224	146,228	157,081	161,354	150,494	178,705	194,542	200,715	2,136,370
1998	226,411	193,277	211,511	163,946	144,479	141,425	157,539	167,982	167,213	171,809	199,935	237,657	2,183,184
1999	232,544	204,790	188,668	177,319	156,496	146,362	168,455	169,213	163,608	182,937	194,356	229,764	2,214,512
2000	219,845	211,138	192,520	174,238	156,204	152,853	170,445	184,856	161,172	177,120	207,453	239,870	2,247,714
2001	217,097	212,313	195,013	177,741	147,894	162,246	174,795	186,141	174,802	192,965	214,299	221,097	2,276,403
2002	225,069	218,075	217,286	190,635	169,217	174,218	187,870	183,327	179,646	217,147	220,200	234,768	2,417,458
2003	249,173	245,689	240,715	200,006	154,920	159,295	178,061	202,978	185,534	194,248	227,786	237,172	2,475,577
2004	263,473	250,230	218,166	178,640	172,329	156,421	185,009	170,773	185,431	201,610	221,660	256,524	2,460,266
2005	269,934	243,182	217,665	180,028	172,185	182,778	189,739	184,728	176,530	203,988	227,992	253,053	2,501,802
2006	228,174	278,627	223,936	190,679	166,837	181,188	198,975	195,895	173,095	228,624	269,610	278,815	2,614,455
2007	283,771	283,344	249,073	228,552	169,853	186,543	221,184	200,790	194,142	218,622	292,685	288,712	2,817,271
2008	301,585	268,457	246,795	212,444	189,343	193,370	236,532	212,650	211,767	238,578	279,661	293,750	2,884,933
2009	316,573	283,337	260,860	226,277	202,259	206,549	240,494	215,993	215,172	242,558	284,479	298,865	2,993,415
2010	343,872	309,037	285,125	248,817	223,699	228,083	264,495	237,734	237,333	265,935	309,909	324,958	3,278,996
2011	346,928	311,744	287,564	250,866	225,524	230,102	266,977	239,868	239,344	268,118	312,618	327,829	3,307,482
2012	349,524	313,706	289,612	252,558	226,996	231,731	268,998	241,590	240,988	269,934	314,894	330,262	3,330,794
2013	354,991	318,733	293,949	256,110	230,222	235,135	273,284	245,204	244,528	273,800	319,617	335,220	3,380,792
2014	358,343	321,708	296,620	258,342	232,175	237,236	275,847	247,418	246,672	276,173	322,562	338,353	3,411,449
2015	361,791	324,772	299,370	260,638	234,185	239,410	278,501	249,706	248,887	278,614	325,590	341,583	3,443,047
2016	365,304	327,548	302,148	262,940	236,186	241,578	281,166	251,994	251,100	281,070	328,662	344,862	3,474,558
2017	369,225	331,367	305,290	265,578	238,499	244,024	284,112	254,560	253,617	283,866	332,102	348,524	3,510,763
2018	373,586	335,254	308,774	268,484	241,050	246,830	287,539	257,508	256,445	286,962	335,938	352,614	3,550,983
2019	377,973	339,146	312,269	271,398	243,593	249,544	290,839	260,361	259,231	290,058	339,777	356,708	3,590,897
2020	382,440	342,761	315,803	274,322	246,127	252,234	294,129	263,196	262,012	293,167	343,666	360,861	3,630,717
2021	387,282	347,404	319,681	277,571	248,963	255,222	297,724	266,330	265,098	296,597	347,903	365,375	3,675,149
2022	392,267	351,825	323,647	280,870	251,828	258,236	301,376	269,496	268,221	300,086	352,243	370,011	3,720,106
2023	397,310	356,297	327,661	284,206	254,725	261,285	305,068	272,698	271,385	303,622	356,633	374,697	3,765,586

Projected

Central Power

WAPA Energy Purchases (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	50,200	48,494	38,135	39,469	31,939	31,610	27,509	30,967	31,033	31,933	38,276	47,022	446,587
1972	52,597	56,784	43,526	37,031	32,494	32,317	29,674	32,979	31,221	34,555	42,311	51,139	476,628
1973	54,260	53,364	41,904	41,397	38,836	33,876	20,596	21,726	20,321	20,109	26,987	31,126	404,502
1974	32,809	29,414	24,190	24,897	20,730	18,506	17,923	19,430	19,099	20,854	23,635	29,883	281,370
1975	29,415	31,532	24,746	26,107	18,142	16,894	17,558	17,843	16,886	19,818	22,929	29,465	271,335
1976	31,187	27,986	24,079	20,986	17,272	17,652	16,512	18,614	17,404	19,123	24,072	31,053	265,940
1977	34,177	28,852	20,593	19,345	16,083	16,067	16,740	17,149	17,358	19,275	24,293	29,761	259,693
1978	33,564	34,115	25,652	23,153	17,105	17,002	16,463	19,686	17,744	19,432	24,100	32,505	280,521
1979	34,663	36,014	26,861	25,304	20,407	17,066	17,073	18,119	17,161	18,192	25,697	28,145	284,702
1980	31,487	31,109	28,023	22,632	17,133	17,166	18,568	17,540	16,089	20,089	25,145	27,342	272,323
1981	33,558	31,664	22,297	21,529	19,164	17,543	19,675	21,220	20,118	20,443	25,817	29,786	282,814
1982	34,860	34,023	25,790	25,035	17,791	17,273	17,134	19,858	18,827	19,836	26,779	30,398	287,604
1983	30,449	33,912	26,929	26,540	22,250	20,452	21,322	23,762	23,134	24,477	28,799	32,177	314,203
1984	33,537	28,757	25,552	20,556	20,099	17,380	18,278	21,820	19,972	20,085	28,834	28,064	282,934
1985	37,050	34,638	24,792	22,957	20,277	19,437	20,401	22,934	21,985	25,121	28,466	35,258	313,316
1986	33,154	35,314	28,153	26,622	21,534	20,905	21,544	21,872	21,505	25,179	32,765	32,719	321,266
1987	36,367	33,360	29,459	27,949	23,163	23,023	24,427	26,266	24,965	24,911	29,627	33,928	337,445
1988	36,989	38,226	34,182	28,167	25,699	26,474	27,477	28,286	25,720	25,271	29,718	33,921	360,130
1989	37,229	38,515	34,186	28,473	23,240	23,203	24,438	26,398	24,839	25,010	29,667	34,178	349,376
1990	37,171	38,552	34,181	28,523	23,504	23,175	24,564	26,377	24,940	25,068	29,729	34,227	350,011
1991	35,141	37,329	29,880	29,184	21,814	21,109	21,783	22,353	21,124	23,361	29,835	37,263	330,176
1992	35,093	37,347	30,965	29,262	21,757	21,078	21,850	22,247	21,268	23,338	29,809	37,258	331,272
1993	35,127	37,339	29,864	29,226	21,685	21,087	21,679	22,211	21,164	23,410	29,770	37,229	329,791
1994	35,131	37,478	29,780	29,192	21,706	20,951	21,653	22,301	21,158	23,248	29,719	37,141	329,458
1995	35,049	37,342	29,868	29,193	21,665	21,032	21,711	22,103	21,191	23,320	29,743	37,192	329,409
1996	35,064	37,376	30,926	29,231	21,757	21,082	21,735	22,217	23,103	23,359	29,887	52,256	347,993
1997	35,109	37,101	29,876	29,037	21,634	20,985	21,707	22,217	20,995	23,076	29,481	36,850	328,068
1998	34,812	37,163	29,604	29,079	21,546	20,917	21,678	22,089	20,965	23,136	29,607	37,011	327,607
1999	34,820	37,178	29,621	29,099	21,562	20,931	21,695	22,098	20,973	23,144	29,596	37,143	327,860
2000	35,057	38,744	29,827	29,456	21,955	21,283	22,085	22,465	21,268	23,516	29,741	37,176	332,573
2001	33,644	36,025	28,509	28,296	20,887	20,443	21,213	21,605	20,503	22,580	28,767	35,900	318,372
2002	33,610	35,798	28,794	28,215	21,044	20,462	21,214	21,608	20,509	22,594	28,771	35,906	318,525
2003	33,807	36,023	28,801	28,286	20,986	20,454	21,205	21,606	20,493	22,598	28,778	35,908	318,945
2004	33,806	37,322	28,810	28,289	21,070	20,452	21,213	21,599	20,506	22,605	28,774	35,919	320,365
2005	33,820	36,027	28,800	28,288	21,042	20,387	20,846	21,594	20,507	22,611	28,779	35,918	318,619
2006	33,735	35,942	28,746	28,230	21,034	20,402	21,177	21,533	20,475	22,523	28,724	35,840	318,361
2007	33,741	35,962	28,755	28,234	21,041	20,451	21,182	21,984	20,476	22,563	28,720	35,844	318,953
2008	33,739	35,954	28,746	28,229	21,014	20,409	21,104	21,557	20,472	22,558	28,718	35,840	318,340
2009	33,739	35,954	28,746	28,229	21,014	20,409	21,104	21,557	20,472	22,558	28,718	35,840	318,340
2010	33,739	35,954	28,746	28,229	21,014	20,409	21,104	21,557	20,472	22,558	28,718	35,840	318,340
2011	33,406	35,598	28,463	27,951	20,808	20,209	20,896	21,346	20,271	22,337	28,435	35,486	315,206
2012	33,406	35,598	28,463	27,951	20,808	20,209	20,896	21,346	20,271	22,337	28,435	35,486	315,206
2013	33,406	35,598	28,463	27,951	20,808	20,209	20,896	21,346	20,271	22,337	28,435	35,486	315,206
2014	33,406	35,598	28,463	27,951	20,808	20,209	20,896	21,346	20,271	22,337	28,435	35,486	315,206
2015	33,406	35,598	28,463	27,951	20,808	20,209	20,896	21,346	20,271	22,337	28,435	35,486	315,206
2016	33,076	35,246	28,183	27,675	20,604	20,011	20,691	21,137	20,072	22,118	28,155	35,135	312,103
2017	33,076	35,246	28,183	27,675	20,604	20,011	20,691	21,137	20,072	22,118	28,155	35,135	312,103
2018	33,076	35,246	28,183	27,675	20,604	20,011	20,691	21,137	20,072	22,118	28,155	35,135	312,103
2019	33,076	35,246	28,183	27,675	20,604	20,011	20,691	21,137	20,072	22,118	28,155	35,135	312,103
2020	33,076	35,246	28,183	27,675	20,604	20,011	20,691	21,137	20,072	22,118	28,155	35,135	312,103
2021	32,749	34,897	27,905	27,402	20,402	19,815	20,488	20,930	19,875	21,901	27,877	34,788	309,029
2022	32,749	34,897	27,905	27,402	20,402	19,815	20,488	20,930	19,875	21,901	27,877	34,788	309,029
2023	32,749	34,897	27,905	27,402	20,402	19,815	20,488	20,930	19,875	21,901	27,877	34,788	309,029

Note: Includes Omega WAPA Allocation from 1980 forward.

Projected

Central Power

Basin Electric Energy Purchases (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	456	387	287	291	223	231	201	220	204	210	260	292	3,262
1972	470	564	449	3,870	331	303	249	290	288	290	379	580	8,063
1973	902	661	349	352	291	271	12,949	14,297	13,863	14,676	19,120	21,681	99,412
1974	29,581	26,518	21,829	22,434	18,705	16,704	16,167	17,542	17,250	18,890	21,377	27,034	254,031
1975	35,598	38,159	29,908	31,501	21,880	20,405	21,231	21,532	20,367	23,949	27,704	35,996	328,230
1976	43,669	39,197	33,612	29,283	24,101	24,632	23,016	25,962	24,269	26,715	33,627	43,362	371,445
1977	51,962	45,179	32,245	30,297	25,189	25,165	26,197	26,826	27,204	30,257	37,056	49,484	407,061
1978	55,910	56,764	42,638	38,344	28,104	27,894	27,093	32,414	29,184	32,045	39,934	51,720	462,044
1979	60,603	62,899	46,881	44,066	35,333	29,492	29,626	31,490	29,760	31,701	44,924	49,236	496,011
1980	55,546	55,078	49,652	39,491	29,739	30,900	33,450	31,625	29,016	35,053	44,231	48,170	481,951
1981	55,769	52,585	37,262	35,300	31,277	28,556	32,191	34,829	32,746	33,596	42,641	49,437	466,189
1982	65,452	63,785	47,843	46,108	33,908	32,980	32,885	38,165	36,004	38,159	49,651	56,848	541,788
1983	53,056	51,509	40,957	39,718	33,042	30,205	31,666	35,606	34,379	36,703	43,395	55,968	486,204
1984	66,308	56,736	50,097	39,775	37,577	32,326	34,338	41,377	37,634	37,962	55,977	54,391	544,498
1985	62,439	58,085	41,169	37,853	32,740	31,343	33,039	37,437	35,772	41,513	47,538	59,238	518,166
1986	54,099	52,514	41,529	38,959	31,868	30,783	31,752	32,395	31,673	37,236	48,802	47,243	478,853
1987	50,299	46,209	37,719	34,797	28,700	28,460	30,233	32,548	33,381	35,205	41,371	45,149	444,071
1988	51,376	53,030	46,385	36,229	32,026	33,011	34,491	35,517	31,879	34,607	47,792	44,713	481,056
1989	57,991	57,812	44,992	41,905	30,768	33,756	35,894	42,627	31,105	39,068	45,500	57,195	518,613
1990	52,866	56,067	38,224	41,795	37,296	29,205	32,099	38,445	37,345	38,493	49,772	50,846	502,453
1991	75,001	49,723	45,514	37,915	40,417	35,679	34,570	45,840	44,446	48,023	56,484	57,644	571,256
1992	57,434	52,407	46,007	45,140	41,036	35,404	35,779	43,834	51,764	48,686	57,009	59,048	573,548
1993	74,877	56,900	55,184	51,420	39,717	39,939	33,702	41,532	50,499	54,091	58,818	62,048	618,727
1994	84,617	83,590	49,223	46,707	44,939	43,174	43,614	49,194	59,052	53,505	64,299	63,088	685,002
1995	73,886	71,488	63,086	59,257	46,590	48,453	44,900	54,685	51,200	58,054	69,047	74,196	714,842
1996	78,706	82,164	70,581	66,506	53,213	48,446	49,377	52,519	62,351	62,973	83,397	129,222	839,455
1997	103,583	74,649	86,124	66,959	64,908	62,102	70,699	75,017	71,810	82,884	86,674	84,232	929,641
1998	99,213	69,020	89,070	63,408	65,839	60,583	74,239	78,779	71,404	82,988	89,256	95,942	939,741
1999	104,878	72,731	82,832	67,916	69,091	62,942	73,533	76,580	76,588	90,576	83,391	92,286	953,344
2000	102,853	77,549	82,941	68,283	68,882	65,831	76,045	84,363	75,178	84,900	94,644	115,103	996,572
2001	96,738	82,869	92,478	73,040	68,692	69,224	80,420	87,164	73,991	86,120	85,057	99,266	995,059
2002	103,149	79,495	102,094	78,306	77,885	73,233	83,828	85,341	82,911	103,061	106,210	107,562	1,083,075
2003	115,934	98,076	104,419	76,882	74,138	69,200	81,513	94,672	81,910	91,631	104,394	107,474	1,100,243
2004	126,607	98,031	100,495	77,996	78,009	70,013	80,913	79,849	95,185	105,548	106,476	118,889	1,138,011
2005	131,079	94,774	106,388	79,452	81,914	76,741	87,612	89,097	80,658	95,731	106,288	118,392	1,148,126
2006	110,686	106,764	111,869	80,306	79,925	81,512	99,013	94,666	80,788	108,633	116,973	122,328	1,193,463
2007	132,817	120,768	110,996	92,959	87,041	85,429	102,641	100,628	89,437	106,959	127,697	144,091	1,301,463
2008	141,608	118,528	120,545	94,978	94,784	91,310	115,698	108,443	106,491	122,236	131,532	141,960	1,388,113
2009	151,017	126,702	129,639	103,543	103,191	99,519	117,761	110,486	108,503	124,618	134,214	145,015	1,454,208
2010	166,549	140,690	143,665	115,956	115,828	111,520	131,111	123,492	121,205	138,024	148,285	160,219	1,616,544
2011	168,592	142,542	145,371	117,369	117,108	112,765	132,590	124,886	122,535	139,518	150,012	162,249	1,635,537
2012	170,026	144,674	146,542	118,285	117,963	113,599	133,612	125,826	123,449	140,557	151,211	163,650	1,649,394
2013	173,122	146,468	149,059	120,265	119,887	115,482	135,979	128,061	125,529	142,808	153,778	166,623	1,677,061
2014	174,992	148,101	150,603	121,491	121,039	116,594	137,315	129,305	126,742	144,187	155,352	168,450	1,694,171
2015	176,914	149,777	152,192	122,748	122,221	117,740	138,690	130,583	127,990	145,604	156,972	170,326	1,711,757
2016	179,191	152,711	154,068	124,275	123,594	119,068	140,266	132,060	129,426	147,236	158,881	172,574	1,733,350
2017	181,389	153,750	155,897	125,734	124,967	120,390	141,836	133,530	130,867	148,870	160,739	174,717	1,752,686
2018	183,817	155,866	157,902	127,326	126,466	121,850	143,592	135,159	132,447	150,657	162,784	177,088	1,774,954
2019	186,265	158,001	159,923	128,923	127,965	123,299	145,324	136,769	134,026	152,456	164,841	179,473	1,797,265
2020	188,740	161,044	161,953	130,512	129,448	124,723	147,040	138,365	135,594	154,249	166,911	181,882	1,820,461
2021	191,777	162,877	164,477	132,574	131,332	126,534	149,157	140,362	137,556	156,468	169,470	184,866	1,847,450
2022	194,550	165,297	166,764	134,375	133,019	128,155	151,088	142,160	139,331	158,493	171,796	187,562	1,872,590
2023	197,358	167,743	169,076	136,196	134,728	129,794	153,042	143,982	141,131	160,542	174,146	190,291	1,898,029

***Energy Loss Factor for Projected Period Assumed to be 4%**

Projected

Central Power

Total System Energy Purchases (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	50,656	48,881	38,422	39,760	32,162	31,841	27,710	31,187	31,237	32,143	38,536	47,314	449,849
1972	53,067	57,348	43,975	40,901	32,825	32,620	29,923	33,269	31,509	34,845	42,690	51,719	484,691
1973	55,162	54,025	42,253	41,749	39,127	34,147	33,545	36,023	34,184	34,785	46,107	52,807	503,914
1974	62,390	55,932	46,019	47,331	39,435	35,210	34,090	36,972	36,349	39,744	45,012	56,917	535,401
1975	65,013	69,691	54,654	57,608	40,022	37,299	38,789	39,375	37,253	43,767	50,633	65,461	599,565
1976	74,856	67,183	57,691	50,269	41,373	42,284	39,528	44,576	41,673	45,838	57,699	74,415	637,385
1977	86,139	74,031	52,838	49,642	41,272	41,232	42,937	43,975	44,562	49,532	61,349	79,245	666,754
1978	89,474	90,879	68,290	61,497	45,209	44,896	43,556	52,100	46,928	51,477	64,034	84,225	742,565
1979	95,266	98,913	73,742	69,370	55,740	46,558	46,699	49,609	46,921	49,893	70,621	77,381	780,713
1980	87,033	86,187	77,675	62,123	46,872	48,066	52,018	49,165	45,105	55,142	69,376	75,512	754,274
1981	89,327	84,249	59,559	56,829	50,441	46,099	51,866	56,049	52,864	54,039	68,458	79,223	749,003
1982	100,312	97,808	73,633	71,143	51,699	50,253	50,019	58,023	54,831	57,995	76,430	87,246	829,392
1983	83,505	85,421	67,886	66,258	55,292	50,657	52,988	59,368	57,513	61,180	72,194	88,145	800,407
1984	99,845	85,493	75,649	60,331	57,676	49,706	52,616	63,197	57,606	58,047	84,811	82,455	827,432
1985	99,489	92,723	65,961	60,810	53,017	50,780	53,440	60,371	57,757	66,634	76,004	94,496	831,482
1986	87,253	87,828	69,682	65,581	53,402	51,688	53,296	54,267	53,178	62,415	81,567	79,962	800,119
1987	86,666	79,569	67,178	62,746	51,863	51,483	54,660	58,814	58,346	60,116	70,998	79,077	781,516
1988	88,365	91,256	80,567	64,396	57,725	59,485	61,968	63,803	57,599	59,878	77,510	78,634	841,186
1989	95,220	96,327	79,178	70,378	54,008	56,959	60,332	69,025	55,944	64,078	75,167	91,373	867,989
1990	90,037	94,619	72,405	70,318	60,800	52,380	56,663	64,822	62,285	63,561	79,501	85,073	852,464
1991	110,142	87,052	75,394	67,099	62,231	56,788	56,353	68,193	65,570	71,384	86,319	94,907	901,432
1992	92,527	89,754	76,972	74,402	62,793	56,482	57,629	66,081	73,032	72,024	86,818	96,306	904,820
1993	110,004	94,239	85,048	80,646	61,402	61,026	55,381	63,743	71,663	77,501	88,588	99,277	948,518
1994	119,748	121,068	79,003	75,899	66,645	64,125	65,267	71,495	80,210	76,753	94,018	100,229	1,014,460
1995	108,935	108,830	92,954	88,450	68,255	69,485	66,611	76,788	72,391	81,374	98,790	111,388	1,044,251
1996	113,770	119,540	101,507	95,737	74,970	69,528	71,112	74,736	85,454	86,332	113,284	181,478	1,187,448
1997	138,692	111,750	116,000	95,996	86,542	83,087	92,406	97,234	92,805	105,960	116,155	121,082	1,257,709
1998	134,025	106,183	118,674	92,487	87,385	81,500	95,917	100,868	92,369	106,124	118,863	132,953	1,267,348
1999	139,698	109,909	112,453	97,015	90,653	83,873	95,228	98,678	97,561	113,720	112,987	129,429	1,281,204
2000	137,910	116,293	112,768	97,739	90,837	87,114	98,130	106,828	96,446	108,416	124,385	152,279	1,329,145
2001	130,382	118,894	120,987	101,336	89,579	89,667	101,633	108,769	94,494	108,700	113,824	135,166	1,313,431
2002	136,759	115,293	130,888	106,521	98,929	93,695	105,042	106,949	103,420	125,655	134,981	143,468	1,401,600
2003	149,741	134,099	133,220	105,168	95,124	89,654	102,718	116,278	102,403	114,229	133,172	143,382	1,419,188
2004	160,413	135,353	129,305	106,285	99,079	90,465	102,126	101,448	115,691	128,153	135,250	154,808	1,458,376
2005	164,899	130,801	135,188	107,740	102,956	97,128	108,458	110,691	101,165	118,342	135,067	154,310	1,466,745
2006	144,421	142,706	140,615	108,536	100,959	101,914	120,190	116,199	101,263	131,156	145,697	158,168	1,511,824
2007	166,558	156,730	139,751	121,193	108,082	105,880	123,823	122,612	109,913	129,522	156,417	179,935	1,620,416
2008	175,347	154,482	149,291	123,207	115,798	111,719	136,802	130,000	126,963	144,794	160,250	177,800	1,706,453
2009	184,756	162,656	158,385	131,772	124,205	119,928	138,865	132,043	128,975	147,176	162,932	180,855	1,772,548
2010	200,288	176,644	172,411	144,185	136,842	131,929	152,215	145,049	141,677	160,582	177,003	196,059	1,934,884
2011	201,998	178,140	173,834	145,320	137,916	132,974	153,486	146,232	142,806	161,855	178,447	197,735	1,950,743
2012	203,432	180,272	175,005	146,236	138,771	133,808	154,508	147,172	143,720	162,894	179,646	199,136	1,964,600
2013	206,528	182,066	177,522	148,216	140,695	135,691	156,875	149,407	145,800	165,145	182,213	202,109	1,992,267
2014	208,398	183,699	179,066	149,442	141,847	136,803	158,211	150,651	147,013	166,524	183,787	203,936	2,009,377
2015	210,320	185,375	180,655	150,699	143,029	137,949	159,586	151,929	148,261	167,941	185,407	205,812	2,026,963
2016	212,267	187,957	182,251	151,950	144,198	139,079	160,957	153,197	149,498	169,354	187,036	207,709	2,045,453
2017	214,465	188,996	184,080	153,409	145,571	140,401	162,527	154,667	150,939	170,988	188,894	209,852	2,064,789
2018	216,893	191,112	186,085	155,001	147,070	141,861	164,283	156,296	152,519	172,775	190,939	212,223	2,087,057
2019	219,341	193,247	188,106	156,598	148,569	143,310	166,015	157,906	154,098	174,574	192,996	214,608	2,109,368
2020	221,816	196,290	190,136	158,187	150,052	144,734	167,731	159,502	155,666	176,367	195,066	217,017	2,132,564
2021	224,526	197,774	192,382	159,976	151,734	146,349	169,645	161,292	157,431	178,369	197,347	219,654	2,156,479
2022	227,299	200,194	194,669	161,777	153,421	147,970	171,576	163,090	159,206	180,394	199,673	222,350	2,181,619
2023	230,107	202,640	196,981	163,598	155,130	149,609	173,530	164,912	161,006	182,443	202,023	225,079	2,207,058

Note: Includes Omega WAPA Allocation from 1980 forward.

Projected

CAPITAL ELECTRIC

2009 Load Forecast

SUMMARY

Capital Electric

Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	2,565	2,556	1,946	1,899	1,606	1,480	1,283	1,580	1,545	1,687	2,426	2,744	23,317
1972	3,219	3,321	2,692	2,143	1,922	1,643	1,804	1,961	2,045	1,943	2,496	3,253	28,442
1973	2,918	2,679	2,832	2,364	2,170	5,427	2,278	2,221	2,312	2,238	2,978	3,437	33,854
1974	3,611	3,434	2,954	3,101	2,282	2,001	2,561	2,533	2,421	2,263	2,963	3,379	33,503
1975	4,109	4,066	3,422	3,444	2,703	2,139	2,783	3,155	2,580	2,679	3,225	4,048	38,353
1976	4,859	4,092	4,003	3,354	2,702	1,250	3,124	3,200	3,324	2,863	3,751	4,811	41,333
1977	5,150	5,588	3,939	3,802	3,175	3,453	4,177	4,054	3,199	3,441	4,005	6,064	50,047
1978	5,722	6,133	5,152	4,108	3,771	3,323	3,562	4,788	4,477	3,193	4,812	5,750	54,791
1979	6,457	6,224	6,211	5,125	3,861	4,084	4,289	4,140	3,995	3,344	4,500	5,449	57,679
1980	6,560	5,994	5,802	4,315	3,565	4,126	4,442	3,875	3,445	3,087	3,664	4,731	53,606
1981	4,889	4,992	3,792	3,688	2,908	2,907	4,270	3,800	4,007	2,975	3,474	4,346	46,048
1982	5,547	5,305	4,277	3,968	3,034	2,759	3,380	4,010	4,097	3,198	3,791	4,263	47,629
1983	4,284	4,402	3,965	3,925	3,299	3,310	4,440	4,574	4,556	3,484	3,731	7,239	51,209
1984	5,804	6,189	4,470	3,495	3,054	2,630	3,840	3,876	3,993	3,160	4,150	4,396	49,057
1985	5,505	5,313	4,093	3,506	2,916	2,646	3,862	3,815	2,506	2,935	4,345	5,074	46,516
1986	4,472	4,117	4,189	3,897	2,940	3,982	4,136	3,852	2,852	3,300	4,464	4,294	46,495
1987	4,270	4,211	3,887	3,756	2,695	4,147	3,699	4,609	2,887	2,995	3,374	4,409	44,939
1988	5,369	4,787	4,219	3,677	3,234	5,202	4,950	5,439	4,104	3,308	4,243	5,028	53,560
1989	5,426	5,953	4,787	4,121	3,680	3,273	5,562	5,557	4,895	3,786	4,864	5,399	57,303
1990	5,756	4,809	4,104	4,564	3,819	4,429	5,503	5,293	4,882	3,495	4,088	5,144	55,886
1991	5,966	5,150	4,210	4,071	3,591	4,177	5,821	4,734	6,177	3,319	4,625	5,102	56,943
1992	5,072	4,588	4,502	3,784	4,026	4,569	4,531	5,198	3,343	3,641	4,237	5,137	52,628
1993	5,977	5,499	5,276	4,222	3,698	3,521	5,242	5,504	5,054	4,272	4,791	5,486	58,542
1994	6,817	6,308	5,366	4,140	4,641	3,713	6,016	5,467	5,145	3,861	4,731	5,483	61,688
1995	5,771	5,651	5,669	4,700	4,160	5,863	6,084	7,183	7,145	4,085	5,565	6,761	68,637
1996	6,603	7,331	6,157	5,207	3,991	5,642	5,799	6,035	7,071	4,363	6,072	6,776	71,047
1997	6,587	6,331	6,409	4,962	4,331	6,045	6,013	7,082	4,051	4,670	4,856	6,245	67,582
1998	6,828	5,656	6,032	4,634	4,122	6,688	7,657	8,018	8,072	4,777	6,304	7,566	76,354
1999	6,936	6,152	5,165	5,146	4,873	6,510	8,986	7,353	4,658	5,420	5,796	7,631	74,626
2000	6,808	6,617	6,437	5,456	4,530	7,458	8,857	8,751	5,500	5,064	6,877	8,381	80,736
2001	7,430	7,156	6,164	5,853	6,839	9,164	9,388	10,236	10,260	6,643	7,748	8,002	94,883
2002	7,365	7,414	7,288	7,209	5,429	10,606	11,450	11,004	9,110	6,929	7,085	8,363	99,252
2003	8,344	8,398	8,022	7,411	5,493	9,222	11,403	12,127	10,555	7,417	7,968	8,379	104,739
2004	9,538	9,008	7,178	6,211	6,299	8,767	11,706	7,784	6,287	6,852	7,824	10,032	97,486
2005	9,479	8,651	7,617	6,378	6,556	12,095	11,638	10,502	9,571	7,511	8,812	10,196	109,006
2006	9,670	10,694	9,333	7,584	7,360	13,131	13,716	13,232	7,045	10,001	12,212	11,255	125,233
2007	11,317	11,979	10,803	9,213	8,418	11,670	16,119	13,921	12,907	8,385	11,512	11,495	137,739
2008	12,002	11,323	9,916	8,414	8,096	12,470	15,994	12,952	10,406	9,374	11,442	12,143	134,532
2009	12,429	11,726	10,269	8,713	8,384	12,914	16,562	13,413	10,776	9,707	11,849	12,575	139,317
2010	12,892	12,163	10,652	9,038	8,697	13,395	17,180	13,913	11,178	10,069	12,291	13,044	144,512
2011	13,241	12,491	10,940	9,282	8,932	13,757	17,644	14,289	11,480	10,341	12,622	13,396	148,415
2012	13,675	12,902	11,299	9,587	9,225	14,209	18,223	14,758	11,857	10,681	13,037	13,836	153,289
2013	14,239	13,433	11,764	9,982	9,605	14,794	18,974	15,366	12,345	11,121	13,574	14,406	159,603
2014	14,670	13,840	12,120	10,284	9,896	15,242	19,548	15,831	12,719	11,458	13,985	14,842	164,435
2015	15,197	14,337	12,556	10,654	10,251	15,789	20,251	16,400	13,176	11,869	14,487	15,375	170,342
2016	15,742	14,851	13,006	11,036	10,619	16,355	20,977	16,988	13,649	12,295	15,007	15,926	176,451
2017	16,231	15,313	13,410	11,379	10,949	16,864	21,629	17,516	14,073	12,677	15,473	16,421	181,935
2018	17,076	16,110	14,108	11,971	11,519	17,742	22,755	18,427	14,805	13,337	16,279	17,276	191,405
2019	17,690	16,689	14,616	12,402	11,933	18,380	23,573	19,091	15,338	13,817	16,864	17,898	198,291
2020	18,297	17,262	15,117	12,827	12,342	19,010	24,382	19,745	15,864	14,291	17,443	18,511	205,091
2021	18,937	17,865	15,646	13,275	12,774	19,675	25,234	20,436	16,419	14,790	18,053	19,159	212,263
2022	19,626	18,516	16,216	13,759	13,239	20,392	26,154	21,180	17,017	15,329	18,710	19,857	219,995
2023	20,335	19,184	16,801	14,256	13,717	21,128	27,097	21,945	17,631	15,882	19,386	20,573	227,935

Represents Portion of Capital Electric's Consumers Who Obtain Power Supply From Central Power.

Projected

Capital Electric

Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	1,284	1,307	912	910	712	713	619	764	727	802	1,010	1,247	11,007
1972	1,450	1,695	1,292	1,083	912	817	770	904	870	906	1,159	1,476	13,334
1973	1,413	1,314	1,058	1,072	1,008	2,570	1,023	1,035	1,019	1,007	1,282	1,509	15,310
1974	1,976	1,768	1,360	1,483	1,088	977	1,122	1,226	1,044	1,078	1,295	1,696	16,113
1975	1,904	2,100	1,692	1,805	1,299	1,038	1,102	1,358	1,126	1,202	1,379	2,029	18,034
1976	2,355	2,419	1,955	1,559	1,295	1,360	1,264	1,519	1,392	1,300	1,811	2,327	20,556
1977	2,647	2,671	1,801	1,729	1,485	1,456	1,502	1,712	1,351	1,483	1,820	2,740	22,397
1978	3,104	3,287	2,463	2,015	1,684	1,471	1,490	1,873	1,807	1,600	1,942	2,952	25,688
1979	3,462	3,518	2,702	2,552	1,843	1,611	1,692	1,781	1,590	1,599	2,153	2,388	26,891
1980	3,009	3,051	2,670	2,240	1,687	1,642	1,539	1,530	1,350	1,398	1,730	2,173	24,019
1981	2,433	2,320	1,834	1,630	1,382	1,368	1,477	1,463	1,526	1,375	1,700	1,980	20,488
1982	2,794	2,911	1,927	2,003	1,402	1,362	1,356	1,682	1,489	1,451	1,974	2,219	22,570
1983	2,193	2,094	1,983	1,838	1,489	1,395	1,615	1,790	1,657	1,547	1,852	2,430	21,883
1984	2,789	2,323	2,054	1,783	1,649	1,381	1,564	1,870	1,545	1,484	2,067	2,186	22,695
1985	2,886	2,770	1,972	1,715	1,516	1,452	1,583	1,644	1,521	1,676	1,894	2,683	23,312
1986	2,528	2,369	1,819	1,960	1,593	1,664	1,691	1,708	1,573	1,689	2,154	2,207	22,955
1987	2,327	2,234	1,999	1,918	1,609	1,687	1,762	1,934	1,695	1,618	1,941	2,391	23,115
1988	2,736	2,813	2,407	1,999	1,843	2,279	2,389	2,348	2,018	1,837	2,354	2,417	27,440
1989	2,795	2,925	2,304	2,154	1,740	1,886	2,312	2,495	1,914	1,853	2,162	2,618	27,158
1990	2,576	2,663	2,094	2,142	1,951	1,851	2,156	2,336	2,258	1,847	2,224	2,491	26,589
1991	3,334	2,450	2,212	2,087	1,996	2,027	2,169	2,491	2,441	1,997	2,460	2,661	28,325
1992	2,703	2,537	2,202	2,223	2,031	2,146	1,993	2,257	2,184	2,042	2,458	2,677	27,453
1993	3,224	2,801	2,523	2,471	2,064	2,138	1,968	2,333	2,249	2,217	2,460	2,955	29,403
1994	3,512	3,473	2,447	2,356	2,197	2,209	2,381	2,549	2,573	2,237	2,632	2,939	31,505
1995	3,208	3,176	2,730	2,710	2,265	2,657	2,577	3,026	2,637	2,374	2,823	3,241	33,424
1996	3,366	3,566	2,968	2,909	2,387	2,484	2,719	2,846	2,948	2,414	3,016	5,004	36,627
1997	3,924	3,038	3,202	2,699	2,475	2,807	3,256	3,172	2,597	2,740	3,104	3,342	36,356
1998	3,646	2,924	3,243	2,580	2,596	2,584	3,566	3,508	2,941	2,834	3,126	3,687	37,235
1999	3,967	3,128	3,179	2,787	2,700	2,848	3,573	3,455	2,838	3,019	3,082	3,727	38,303
2000	3,947	3,404	3,247	2,939	2,839	3,001	3,844	3,913	3,098	3,165	3,727	4,627	41,751
2001	4,079	3,877	3,676	3,244	3,078	3,321	4,189	4,473	3,286	3,386	3,492	4,300	44,401
2002	4,242	3,644	4,160	3,444	3,403	3,837	4,818	4,088	3,711	3,802	3,948	4,547	47,644
2003	4,742	4,296	4,306	3,517	3,439	3,654	4,695	5,173	3,772	3,764	4,375	4,750	50,483
2004	5,266	4,540	4,195	3,554	3,538	3,560	4,593	4,107	4,058	4,018	4,256	5,225	50,910
2005	5,590	4,435	4,559	3,794	3,875	4,453	5,378	5,036	4,200	4,205	4,654	5,692	55,871
2006	5,213	5,011	5,114	4,075	4,329	4,927	6,509	5,748	4,304	4,827	5,314	6,131	61,502
2007	6,341	5,977	5,245	4,626	4,407	5,135	6,799	5,749	4,846	4,843	5,573	6,868	66,409
2008	6,574	5,704	5,481	4,594	4,634	5,152	6,614	5,884	4,997	5,119	5,667	6,687	67,107
2009	6,808	5,907	5,675	4,757	4,799	5,336	6,848	6,093	5,176	5,302	5,869	6,925	69,495
2010	7,062	6,127	5,887	4,935	4,977	5,535	7,104	6,320	5,368	5,499	6,087	7,183	72,084
2011	7,253	6,293	6,046	5,068	5,112	5,684	7,296	6,490	5,514	5,648	6,252	7,378	74,034
2012	7,491	6,499	6,244	5,235	5,280	5,871	7,536	6,703	5,695	5,833	6,457	7,620	76,464
2013	7,799	6,767	6,502	5,450	5,497	6,113	7,846	6,979	5,929	6,073	6,723	7,933	79,611
2014	8,035	6,972	6,698	5,615	5,663	6,298	8,084	7,191	6,109	6,258	6,927	8,174	82,024
2015	8,324	7,222	6,939	5,816	5,868	6,524	8,373	7,449	6,329	6,483	7,176	8,467	84,970
2016	8,623	7,482	7,188	6,025	6,078	6,758	8,674	7,716	6,555	6,715	7,433	8,771	88,018
2017	8,890	7,714	7,411	6,213	6,266	6,968	8,944	7,956	6,759	6,923	7,664	9,043	90,751
2018	9,353	8,115	7,797	6,536	6,592	7,331	9,409	8,371	7,111	7,283	8,063	9,514	95,475
2019	9,690	8,407	8,078	6,771	6,830	7,595	9,747	8,671	7,366	7,546	8,353	9,856	98,910
2020	10,022	8,696	8,355	7,004	7,064	7,855	10,082	8,969	7,619	7,804	8,640	10,195	102,305
2021	10,372	9,000	8,647	7,248	7,311	8,130	10,435	9,283	7,886	8,078	8,941	10,551	105,882
2022	10,750	9,328	8,962	7,513	7,577	8,426	10,814	9,621	8,173	8,372	9,268	10,935	109,739
2023	11,138	9,664	9,286	7,784	7,851	8,730	11,205	9,969	8,468	8,674	9,601	11,330	113,700

Represents Portion of Capital Electric's Consumers Who Obtain Power Supply From Central Power.

Projected

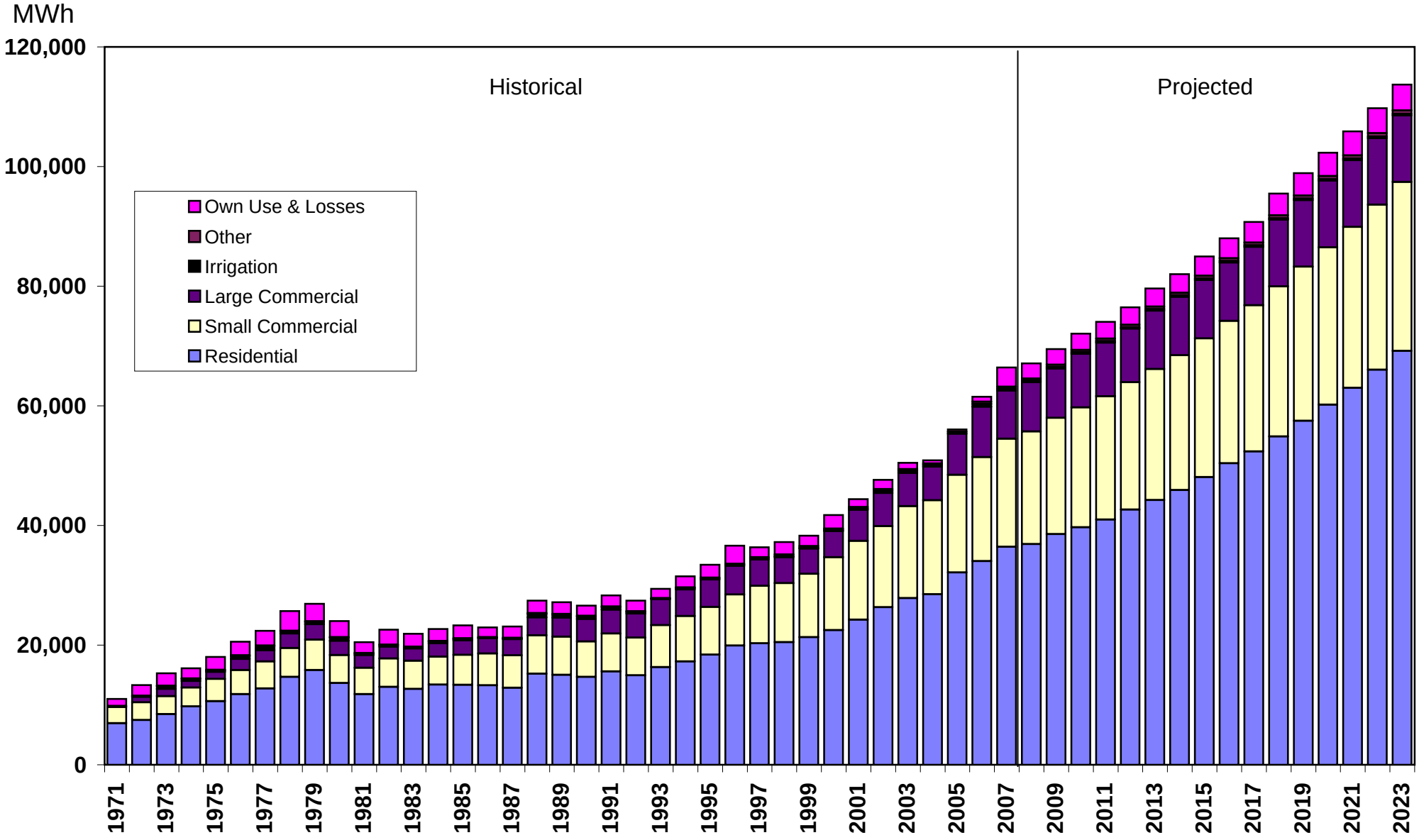
CAPITAL ELECTRIC

System Energy Requirements By Consumer Classification (MWh)

Year	Residential	Small Commercial	Large Commercial	Irrigation	Other Sales	Own Use & Losses	Total Energy Requirements
1971	6,931	2,696	0	150	54	1,177	11,008
1972	7,487	2,960	886	137	65	1,800	13,335
1973	8,457	3,023	1,212	422	78	2,120	15,312
1974	9,739	3,174	1,083	337	89	1,691	16,113
1975	10,629	3,705	1,186	229	107	2,178	18,034
1976	11,821	4,022	1,848	500	101	2,263	20,555
1977	12,741	4,527	1,841	725	99	2,464	22,397
1978	14,689	4,821	2,415	381	100	3,280	25,686
1979	15,811	5,094	2,592	381	111	2,901	26,890
1980	13,675	4,648	2,393	544	81	2,677	24,018
1981	11,797	4,398	2,121	284	65	1,822	20,487
1982	13,002	4,769	1,980	236	77	2,505	22,569
1983	12,690	4,707	2,036	247	73	2,130	21,883
1984	13,383	4,688	2,247	271	78	2,027	22,694
1985	13,345	5,041	2,419	230	110	2,166	23,311
1986	13,292	5,311	2,531	58	139	1,623	22,954
1987	12,856	5,424	2,692	119	133	1,891	23,115
1988	15,213	6,428	2,987	573	156	2,081	27,438
1989	15,035	6,371	3,173	466	147	1,967	27,159
1990	14,689	5,912	3,778	368	143	1,700	26,590
1991	15,610	6,332	3,979	417	126	1,862	28,326
1992	14,962	6,283	4,018	284	126	1,778	27,451
1993	16,322	7,014	4,349	48	140	1,530	29,403
1994	17,283	7,589	4,420	220	135	1,856	31,503
1995	18,408	7,966	4,596	142	142	2,170	33,424
1996	19,922	8,530	4,779	193	145	3,057	36,626
1997	20,287	9,636	4,389	227	132	1,684	36,355
1998	20,497	9,864	4,317	179	280	2,097	37,234
1999	21,321	10,589	4,230	105	292	1,766	38,303
2000	22,512	12,156	4,367	158	271	2,287	41,751
2001	24,258	13,180	5,188	177	266	1,330	44,399
2002	26,349	13,521	5,566	362	263	1,582	47,643
2003	27,864	15,370	5,540	370	270	1,067	50,481
2004	28,507	15,689	5,635	283	246	548	50,908
2005	32,145	16,328	6,872	346	357	-179	55,869
2006	34,038	17,384	8,423	453	367	837	61,502
2007	36,449	18,060	8,043	287	363	3,207	66,409
2008	36,882	18,819	8,240	256	360	2,550	67,107
2009	38,559	19,422	8,241	256	378	2,641	69,497
2010	39,713	20,034	8,957	256	386	2,739	72,085
2011	40,981	20,621	8,957	256	404	2,813	74,032
2012	42,664	21,269	8,957	256	413	2,906	76,465
2013	44,241	21,897	9,763	256	430	3,025	79,612
2014	45,922	22,527	9,763	256	439	3,117	82,024
2015	48,099	23,167	9,763	256	456	3,229	84,970
2016	50,381	23,808	9,763	256	465	3,345	88,018
2017	52,353	24,449	9,763	256	482	3,449	90,752
2018	54,878	25,091	11,132	256	491	3,628	95,476
2019	57,489	25,768	11,132	256	508	3,759	98,912
2020	60,186	26,316	11,132	256	527	3,888	102,305
2021	62,983	26,941	11,132	256	545	4,023	105,880
2022	66,027	27,591	11,132	256	563	4,170	109,739
2023	69,190	28,220	11,132	256	581	4,321	113,700

Capital Electric

Annual Energy Requirements



DAKOTA VALLEY ELECTRIC

2009 Load Forecast

SUMMARY

Dakota Valley Electric

Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	17,565	17,750	14,718	13,839	11,580	10,973	10,462	12,016	11,201	12,332	16,593	17,405	166,434
1972	19,866	19,480	16,988	14,123	12,618	11,357	11,538	12,603	12,259	13,975	16,488	20,025	181,320
1973	19,401	17,917	15,895	14,239	13,321	11,931	12,539	12,873	13,346	13,629	17,375	19,190	181,656
1974	21,549	20,307	17,452	18,240	14,192	13,116	15,129	15,116	14,218	16,239	23,232	25,490	214,280
1975	30,168	29,143	25,595	21,900	16,786	14,743	18,251	19,381	16,700	22,391	26,549	29,079	270,686
1976	32,879	29,650	28,132	20,288	17,558	20,703	22,065	22,768	23,776	23,386	27,197	32,874	301,276
1977	35,331	34,531	22,353	20,661	19,333	20,057	24,776	24,047	24,436	24,752	29,854	35,848	315,979
1978	35,472	35,032	31,664	27,062	19,173	18,507	22,613	25,989	28,524	25,382	30,604	34,244	334,266
1979	37,146	38,133	34,084	32,039	21,246	21,206	25,944	26,338	25,170	27,787	34,709	36,302	360,104
1980	39,024	36,615	36,166	29,514	21,995	24,071	25,985	27,740	22,600	28,934	32,446	36,577	361,667
1981	37,993	37,835	30,016	22,798	23,958	22,611	28,920	29,132	32,241	29,244	34,331	37,030	366,109
1982	41,244	39,299	34,729	26,618	20,189	19,554	26,834	29,959	30,078	30,404	35,788	35,092	369,788
1983	34,432	33,094	32,335	25,630	19,716	20,044	27,912	28,899	30,938	29,925	30,301	38,186	351,412
1984	41,508	36,609	33,800	20,130	14,376	14,262	21,714	26,316	22,461	24,010	32,803	32,852	320,841
1985	34,298	32,597	24,812	16,639	16,702	13,397	22,169	23,797	18,736	23,334	29,329	30,596	286,406
1986	30,704	29,640	27,983	18,063	16,028	16,615	20,628	20,782	18,333	22,785	30,963	27,278	279,802
1987	27,898	28,594	21,039	18,391	14,403	17,215	19,025	23,695	14,063	25,884	27,213	26,010	263,430
1988	29,520	28,978	26,288	18,724	16,684	19,178	26,444	24,751	18,454	23,824	25,426	29,445	287,716
1989	31,383	32,319	25,964	22,422	16,062	14,543	23,735	22,917	18,303	25,997	27,183	31,960	292,788
1990	34,707	29,737	25,227	19,283	17,393	15,301	19,151	24,658	20,183	27,114	28,825	30,717	292,296
1991	32,800	30,815	27,728	20,251	18,173	19,144	26,379	25,430	23,717	27,415	30,400	33,672	315,924
1992	33,290	30,632	29,660	24,959	21,354	17,780	16,389	23,914	26,803	26,965	33,860	30,240	315,846
1993	34,949	35,911	33,038	27,590	21,397	15,264	17,461	22,488	26,971	25,264	31,223	32,664	324,220
1994	35,095	35,196	32,387	21,444	19,850	18,657	19,125	27,422	26,904	28,897	33,726	36,587	335,290
1995	33,865	35,403	32,844	27,642	22,304	22,028	23,965	28,384	25,979	30,663	33,081	38,907	355,065
1996	36,942	38,639	34,396	32,992	20,725	19,755	28,290	28,798	30,655	37,220	46,077	55,158	409,647
1997	53,518	53,399	50,456	41,965	36,596	41,220	43,699	47,768	41,039	49,977	49,723	51,608	560,968
1998	54,877	50,674	54,652	45,788	39,040	39,461	45,158	46,666	47,643	51,882	54,466	59,762	590,069
1999	61,128	51,968	49,837	46,780	40,566	39,743	45,761	47,555	47,017	51,921	57,480	59,099	598,855
2000	57,261	54,481	51,985	44,115	41,424	42,064	46,666	49,930	45,187	54,964	56,066	61,219	605,362
2001	56,109	41,401	51,070	45,872	40,260	44,254	47,174	52,991	46,865	54,779	54,838	54,335	589,948
2002	55,154	54,478	53,519	45,505	44,577	46,381	50,656	52,442	49,548	61,938	59,813	59,846	633,857
2003	62,027	59,062	58,680	52,543	42,342	42,149	47,543	54,041	50,711	55,873	58,246	63,704	646,921
2004	64,219	60,760	56,235	50,150	42,565	41,371	50,011	45,402	48,121	54,057	61,876	64,052	638,819
2005	64,701	59,467	53,646	50,678	45,613	43,998	47,568	44,272	41,576	60,597	60,757	63,485	636,358
2006	57,534	66,743	57,551	50,343	44,066	48,142	52,744	49,246	49,805	65,442	67,663	69,912	679,191
2007	68,831	65,913	58,098	56,417	50,603	48,506	52,843	47,655	43,037	62,179	71,703	70,400	696,185
2008	62,954	57,679	55,395	52,604	48,789	48,655	61,360	58,804	58,191	67,318	70,338	70,649	712,736
2009	72,785	67,476	65,178	62,369	58,529	58,394	61,694	59,122	58,505	67,691	70,730	71,043	773,516
2010	82,274	76,935	74,624	71,799	67,937	67,801	71,120	68,533	67,912	77,151	80,208	80,523	886,817
2011	82,395	77,041	74,723	71,890	68,018	67,881	71,210	68,615	67,993	77,257	80,323	80,639	887,985
2012	82,358	76,995	74,673	71,836	67,957	67,820	71,154	68,556	67,932	77,212	80,283	80,598	887,374
2013	82,547	77,174	74,848	72,005	68,119	67,982	71,322	68,719	68,094	77,391	80,468	80,785	889,454
2014	82,651	77,265	74,933	72,084	68,188	68,051	71,399	68,789	68,163	77,483	80,567	80,884	890,457
2015	82,768	77,368	75,030	72,172	68,266	68,128	71,486	68,869	68,241	77,586	80,678	80,997	891,589
2016	82,779	77,364	75,020	72,154	68,238	68,099	71,466	68,842	68,213	77,583	80,684	81,003	891,445
2017	83,022	77,589	75,238	72,364	68,435	68,296	71,673	69,041	68,410	77,809	80,920	81,240	894,037
2018	83,161	77,711	75,352	72,469	68,527	68,388	71,776	69,136	68,502	77,932	81,052	81,373	895,379
2019	83,307	77,839	75,472	72,579	68,625	68,485	71,884	69,235	68,599	78,061	81,191	81,513	896,790
2020	83,335	77,850	75,476	72,574	68,607	68,467	71,877	69,219	68,582	78,072	81,212	81,535	896,806
2021	83,577	78,076	75,694	72,783	68,804	68,664	72,084	69,418	68,779	78,298	81,448	81,772	899,397
2022	83,698	78,182	75,793	72,875	68,885	68,744	72,174	69,501	68,859	78,405	81,564	81,889	900,569
2023	83,831	78,298	75,903	72,975	68,973	68,832	72,272	69,591	68,948	78,522	81,690	82,016	901,851

Projected

Dakota Valley Electric

Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	8,238	8,125	6,217	6,310	4,897	4,986	4,329	5,033	4,660	4,974	6,329	7,358	71,456
1972	8,513	9,419	7,283	6,424	5,361	5,240	4,751	5,381	4,862	5,481	7,085	8,571	78,371
1973	8,684	8,356	6,591	6,522	5,768	5,123	5,336	5,613	5,316	5,437	7,321	8,252	78,319
1974	10,625	9,402	7,649	8,046	6,535	5,798	6,156	6,608	6,016	6,826	9,035	12,301	94,997
1975	14,113	15,155	12,257	10,258	6,931	6,345	7,481	7,848	6,527	10,223	12,014	14,409	123,561
1976	16,622	15,221	11,104	8,698	7,403	8,713	8,732	10,150	8,324	10,217	13,215	16,370	134,769
1977	18,712	13,891	9,422	8,783	7,492	8,012	9,412	9,410	9,311	11,792	13,981	16,270	136,488
1978	19,135	18,952	14,989	12,791	7,842	7,750	8,280	11,301	9,697	12,032	13,944	17,728	154,441
1979	19,972	20,668	16,110	13,730	9,616	8,248	9,697	10,482	9,296	11,785	16,662	17,429	163,695
1980	18,750	19,033	17,102	12,080	8,225	8,866	11,643	11,520	8,261	12,238	16,182	16,128	160,028
1981	19,813	18,681	11,432	9,840	9,512	8,120	10,371	12,642	10,810	12,943	15,951	17,426	157,541
1982	21,383	20,412	14,089	11,967	8,131	8,047	10,590	12,961	11,099	12,734	17,200	17,831	166,444
1983	17,662	17,657	14,575	11,004	8,621	8,185	9,935	11,981	10,920	13,370	15,286	18,293	157,489
1984	20,660	17,679	14,459	9,784	8,822	7,600	9,180	13,554	11,277	12,600	18,121	16,864	160,600
1985	19,918	18,603	11,551	9,425	7,919	7,550	10,201	12,129	10,103	13,693	16,478	19,172	156,742
1986	18,116	18,026	13,787	10,751	8,062	7,749	9,479	9,767	8,799	13,004	17,929	16,275	151,744
1987	17,127	16,630	11,233	9,769	8,073	8,090	10,453	11,766	10,734	13,268	14,864	16,088	148,095
1988	17,530	17,984	14,423	10,028	8,979	9,791	12,764	12,422	8,730	12,184	15,017	15,036	154,888
1989	18,093	18,323	14,106	11,081	8,215	8,446	10,922	13,193	8,337	13,335	14,989	17,568	156,608
1990	17,603	17,926	13,959	10,334	8,636	7,854	10,249	13,038	10,603	13,608	17,286	16,772	157,868
1991	21,280	17,115	14,284	11,032	9,569	9,122	10,482	13,968	12,021	15,716	17,341	18,742	170,672
1992	18,383	18,147	15,671	13,176	10,273	9,507	9,733	13,479	14,770	15,525	19,877	19,963	178,504
1993	21,137	18,965	17,330	15,365	10,353	9,669	9,296	11,974	13,568	15,136	18,634	19,164	180,591
1994	22,454	22,261	13,090	12,065	10,664	11,650	12,329	14,973	15,261	16,017	20,741	19,556	191,061
1995	20,623	20,764	17,575	16,332	10,787	11,251	11,460	15,328	12,745	16,518	20,450	21,116	194,949
1996	21,749	22,147	19,469	17,554	12,150	11,554	13,437	15,735	16,381	18,864	28,762	45,298	243,100
1997	33,828	30,033	31,652	26,959	24,025	23,672	27,311	30,481	26,736	31,746	33,354	33,571	353,368
1998	34,803	29,532	33,297	28,320	26,485	23,512	29,055	29,453	28,656	33,305	35,670	36,885	368,973
1999	37,239	31,201	33,186	30,261	27,888	25,113	28,693	29,857	29,691	33,912	34,540	37,401	378,982
2000	37,713	32,018	33,710	27,295	27,467	25,858	28,358	31,655	27,316	35,158	36,165	39,872	382,585
2001	32,225	23,584	33,402	28,707	25,736	26,835	29,984	30,989	28,222	32,489	33,394	36,077	361,644
2002	35,722	30,946	31,635	28,658	26,988	28,048	30,248	31,510	28,747	37,904	39,616	39,548	389,570
2003	39,542	34,834	36,213	32,855	28,787	25,724	30,839	33,763	31,859	36,240	37,399	39,769	407,824
2004	41,215	35,659	36,465	31,833	28,693	25,856	29,632	28,729	30,617	35,929	41,761	42,218	408,607
2005	42,153	34,279	36,931	32,521	29,323	26,679	30,376	29,761	24,190	36,988	40,062	42,008	405,271
2006	39,568	37,933	37,821	33,138	29,333	29,451	34,751	31,436	29,400	40,008	41,902	42,030	426,771
2007	43,496	39,050	37,471	35,348	33,850	30,927	33,171	30,896	28,042	39,219	43,617	46,005	441,092
2008	41,023	36,631	37,901	34,955	33,631	31,861	40,979	39,902	37,892	44,724	46,389	47,428	473,316
2009	47,594	42,078	44,453	41,285	40,155	38,171	41,199	40,115	38,093	44,967	46,645	47,689	512,444
2010	52,766	46,744	49,606	46,262	45,284	43,130	46,334	45,243	43,053	50,124	51,653	52,862	573,061
2011	52,841	46,809	49,672	46,321	45,338	43,180	46,390	45,297	43,102	50,191	51,727	52,936	573,804
2012	52,811	47,630	49,638	46,285	45,296	43,139	46,350	45,255	43,061	50,158	51,700	52,907	574,230
2013	52,934	46,890	49,755	46,394	45,405	43,242	46,461	45,364	43,164	50,275	51,820	53,030	574,734
2014	52,998	46,946	49,811	46,445	45,451	43,285	46,509	45,409	43,207	50,333	51,883	53,095	575,372
2015	53,070	47,008	49,874	46,501	45,502	43,333	46,564	45,461	43,255	50,398	51,955	53,167	576,088
2016	53,071	47,855	49,866	46,489	45,482	43,312	46,547	45,441	43,233	50,391	51,957	53,168	576,812
2017	53,226	47,144	50,012	46,624	45,614	43,437	46,682	45,573	43,359	50,538	52,109	53,324	577,642
2018	53,312	47,218	50,087	46,691	45,675	43,494	46,746	45,634	43,415	50,615	52,194	53,410	578,491
2019	53,402	47,296	50,166	46,762	45,740	43,555	46,815	45,698	43,475	50,696	52,283	53,500	579,388
2020	53,413	48,152	50,167	46,757	45,727	43,540	46,805	45,685	43,460	50,699	52,295	53,511	580,211
2021	53,568	47,441	50,313	46,893	45,859	43,665	46,940	45,817	43,586	50,846	52,448	53,667	581,043
2022	53,643	47,506	50,378	46,951	45,912	43,715	46,997	45,870	43,635	50,913	52,522	53,742	581,784
2023	53,725	47,577	50,450	47,015	45,971	43,770	47,059	45,929	43,689	50,987	52,602	53,824	582,598

Projected

Table III-1

Dakota Valley Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Total Residential	Small Commercial	Large Commercial	Irrigation	Other	Total Sales	Own Use & Losses	Total Energy Requirements
HISTORICAL	1971	59,541	1,551	2,677	172	368	64,309	7,147	71,456
	1972	63,730	1,909	3,564	191	374	69,768	8,602	78,370
	1973	64,694	1,743	4,712	436	367	71,952	6,367	78,319
	1974	71,955	1,860	12,639	713	390	87,557	7,441	94,998
	1975	80,046	1,986	31,749	1,499	389	115,669	7,893	123,562
	1976	84,253	2,588	33,379	5,755	399	126,374	8,395	134,769
	1977	86,281	2,754	30,709	5,899	382	126,025	10,463	136,488
	1978	92,872	3,444	42,270	5,238	408	144,232	10,209	154,441
	1979	98,521	5,034	43,095	5,678	411	152,739	10,956	163,695
	1980	92,119	4,502	45,586	7,683	418	150,308	9,719	160,027
	1981	89,362	3,554	46,110	8,134	428	147,588	9,952	157,540
	1982	98,174	3,366	45,319	9,483	498	156,840	9,606	166,446
	1983	92,301	3,072	45,535	7,242	496	148,646	8,842	157,488
	1984	92,229	3,163	46,987	8,420	533	151,332	9,267	160,599
	1985	91,956	3,130	43,587	7,604	684	146,961	9,781	156,742
	1986	90,834	3,360	44,717	4,190	707	143,808	7,936	151,744
	1987	84,481	3,619	42,443	6,932	738	138,213	9,881	148,094
	1988	88,511	3,513	41,898	11,211	762	145,895	8,992	154,887
	1989	89,015	3,765	45,921	7,298	751	146,750	9,858	156,608
	1990	85,964	3,516	51,046	7,641	768	148,935	8,932	157,867
	1991	89,636	3,935	59,953	6,479	845	160,848	9,825	170,673
	1992	88,419	4,441	69,244	5,040	866	168,010	10,495	178,505
	1993	93,749	4,500	69,912	2,288	877	171,326	9,265	180,591
	1994	93,624	4,714	73,934	7,266	901	180,439	10,622	191,061
	1995	93,883	4,939	80,522	5,489	892	185,725	9,225	194,950
	1996	102,069	5,274	117,704	6,877	975	232,899	10,201	243,100
	1997	93,175	4,729	238,511	5,166	925	342,506	10,863	353,369
	1998	88,532	5,150	261,652	3,804	890	360,028	8,946	368,974
	1999	87,891	5,513	271,929	4,787	840	370,960	8,021	378,981
	2000	88,126	5,133	277,731	4,621	730	376,341	6,244	382,585
	2001	88,668	5,538	254,909	5,720	595	355,430	6,215	361,645
	2002	93,541	5,794	278,100	5,774	623	383,832	5,737	389,569
	2003	91,115	5,758	298,017	6,389	606	401,885	5,940	407,825
	2004	92,941	5,938	292,519	6,515	594	398,507	10,099	408,606
	2005	97,124	6,190	286,465	3,661	577	394,017	11,253	405,270
	2006	97,939	6,306	304,129	8,088	532	416,994	9,778	426,772
	2007	105,969	6,753	312,566	5,581	575	431,444	9,648	441,092
PROJECTED	2008	101,027	7,219	345,178	8,904	575	462,903	10,413	473,316
	2009	101,477	7,261	382,813	9,044	575	501,170	11,274	512,444
	2010	101,276	7,303	442,117	9,184	575	560,455	12,607	573,062
	2011	101,783	7,345	442,292	9,184	575	561,179	12,624	573,803
	2012	101,984	7,387	442,467	9,184	575	561,597	12,633	574,230
	2013	102,260	7,430	442,642	9,184	575	562,091	12,644	574,735
	2014	102,665	7,473	442,817	9,184	575	562,714	12,658	575,372
	2015	103,149	7,515	442,992	9,184	575	563,415	12,674	576,089
	2016	103,638	7,558	443,167	9,184	575	564,122	12,690	576,812
	2017	104,232	7,601	443,342	9,184	575	564,934	12,708	577,642
	2018	104,845	7,644	443,517	9,184	575	565,765	12,727	578,492
	2019	105,504	7,687	443,692	9,184	575	566,642	12,747	579,389
	2020	106,091	7,730	443,867	9,184	575	567,447	12,765	580,212
	2021	106,685	7,774	444,042	9,184	575	568,260	12,783	581,043
	2022	107,192	7,817	444,217	9,184	575	568,985	12,799	581,784
	2023	107,769	7,860	444,392	9,184	575	569,780	12,817	582,597

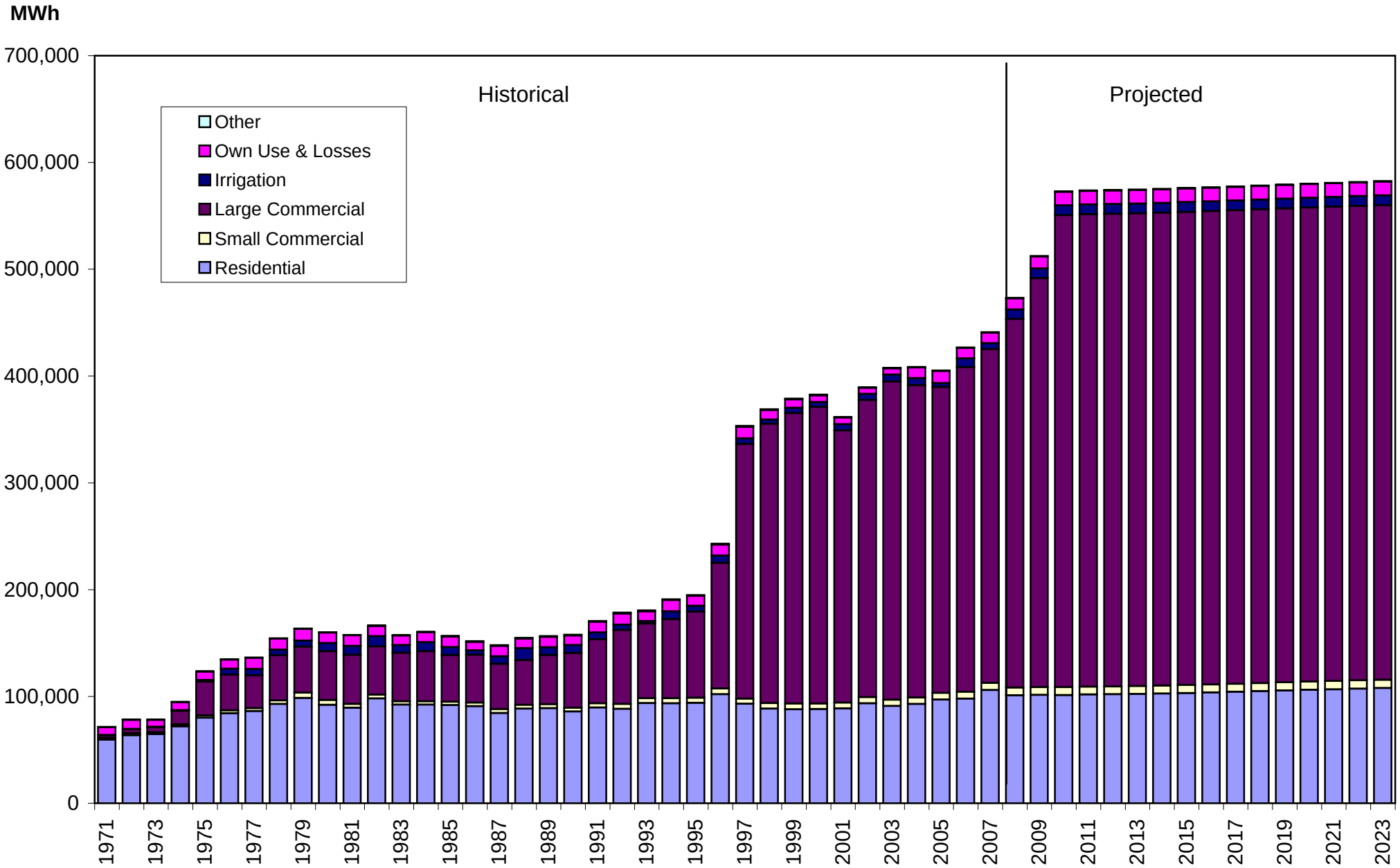
Historical Average Compound Growth Rates:	1971-2007	5.19%	1998-2007	2.00%
Projected Average Compound Growth Rates:	2008-2023	1.39%	2008-2012	4.95%

* Purchases & Losses Reflect a Change to Calendar Billing by Power Supplier

Dakota Valley Electric Cooperative

Graph III-1

Annual Energy Requirements



2009 Load Forecast

MCLEAN ELECTRIC

2009 Load Forecast

SUMMARY

McLean Electric

Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	7,457	7,451	6,095	5,903	5,008	4,962	4,318	4,704	4,663	5,050	6,300	7,447	69,358
1972	8,377	8,053	7,051	5,817	5,094	4,923	4,699	4,960	5,475	5,481	6,418	8,180	74,528
1973	8,027	7,261	6,232	6,161	5,861	5,029	4,892	5,102	5,123	5,060	7,090	8,014	73,852
1974	9,032	8,280	7,041	7,744	5,803	5,246	5,278	5,361	5,457	5,758	6,558	7,582	79,140
1975	10,175	9,206	7,524	7,998	6,028	5,187	6,355	6,756	6,695	6,513	7,134	9,971	89,542
1976	11,005	9,398	9,937	8,294	6,797	6,691	6,822	6,944	7,085	7,645	9,046	11,509	101,173
1977	12,556	13,012	9,271	9,457	7,998	7,624	8,421	8,531	7,718	9,716	13,081	15,958	123,343
1978	15,848	16,097	13,670	11,733	9,970	9,096	8,853	9,814	10,031	9,783	13,683	14,689	143,267
1979	15,253	14,573	13,908	12,281	10,616	9,005	9,332	8,979	8,143	8,129	10,345	12,843	133,407
1980	13,531	12,527	11,820	9,110	8,077	7,977	8,711	8,523	7,625	8,551	8,930	11,446	116,828
1981	11,411	11,467	8,200	7,498	7,276	7,510	8,838	8,463	7,938	7,388	8,900	10,325	105,214
1982	12,478	11,860	10,126	9,645	7,686	7,305	7,301	8,507	7,677	8,043	9,524	10,024	110,176
1983	9,223	9,344	9,060	8,703	7,987	8,109	8,118	8,801	8,133	7,816	8,056	10,831	104,181
1984	12,115	10,442	9,639	7,406	8,537	6,077	7,788	8,348	6,760	6,769	8,805	8,423	101,109
1985	9,511	8,928	7,846	7,665	5,993	4,326	5,279	5,036	5,275	6,049	8,013	9,021	82,942
1986	8,227	8,331	6,985	7,253	5,204	4,987	6,205	5,590	4,452	5,553	7,583	8,240	78,610
1987	7,748	7,197	6,960	5,526	5,511	5,030	5,707	5,175	5,152	4,991	6,907	6,717	72,621
1988	7,451	7,366	6,532	5,504	5,439	5,474	5,866	5,823	5,358	4,963	6,232	7,108	73,116
1989	8,120	8,865	7,402	6,188	4,698	5,818	5,785	5,856	4,932	5,524	6,806	8,588	78,582
1990	9,368	7,568	6,672	6,488	5,846	4,276	5,568	5,711	5,467	6,119	6,265	8,744	78,092
1991	8,913	7,788	6,930	5,953	5,350	4,130	6,307	5,575	5,750	5,378	7,185	7,300	76,559
1992	7,761	7,474	6,607	6,983	6,611	4,696	5,976	5,142	5,650	6,337	6,393	7,383	77,013
1993	8,790	8,021	7,582	5,686	5,328	4,711	4,853	4,625	5,172	5,748	6,504	7,682	74,702
1994	9,501	8,781	8,235	6,992	5,502	4,135	5,115	4,960	5,817	6,572	6,806	7,466	79,882
1995	8,962	7,755	7,864	6,688	5,839	5,450	6,849	5,626	5,490	6,029	7,096	9,029	82,677
1996	8,499	9,874	7,972	7,396	5,222	5,942	6,717	5,477	5,938	5,008	7,445	8,550	84,040
1997	9,225	7,972	8,025	6,716	5,111	4,279	4,907	5,513	5,473	6,625	7,186	7,179	78,211
1998	8,544	5,725	7,964	5,157	4,609	5,009	5,618	5,918	5,455	5,244	7,084	8,868	75,195
1999	8,964	8,336	7,746	6,044	5,340	5,057	5,280	6,384	5,644	7,048	7,098	8,313	81,254
2000	7,956	7,943	6,464	6,056	4,929	5,751	6,337	7,831	6,342	5,951	7,985	9,628	83,173
2001	9,188	8,730	6,845	6,900	6,573	6,457	6,914	6,553	6,722	7,529	8,610	8,686	89,707
2002	9,161	8,348	8,822	7,607	6,528	8,168	7,273	6,360	8,434	8,681	8,835	8,521	96,738
2003	9,628	9,999	10,471	8,302	6,544	6,679	7,000	8,015	8,236	7,433	8,466	8,589	99,362
2004	10,590	9,953	8,023	6,206	7,126	5,999	7,102	6,969	6,614	7,504	7,846	9,426	93,358
2005	10,887	9,110	9,362	6,760	7,414	6,494	6,910	7,299	6,291	7,643	8,855	9,972	96,997
2006	8,120	11,064	8,993	6,665	6,856	6,988	7,392	8,208	6,403	8,859	10,478	10,514	100,540
2007	11,051	13,775	13,650	12,928	9,866	13,409	12,860	11,815	14,997	12,415	16,282	14,873	157,921
2008	17,733	15,179	14,685	12,238	12,080	11,930	14,409	12,533	12,918	13,493	15,480	15,620	168,298
2009	17,942	15,840	14,955	12,841	12,209	12,153	14,494	12,593	13,007	13,768	15,804	15,951	171,557
2010	26,371	23,770	22,343	19,566	18,640	18,637	21,722	19,158	19,790	20,742	23,562	23,686	257,987
2011	26,459	23,841	22,411	19,619	18,690	18,686	21,787	19,210	19,844	20,802	23,634	23,760	258,743
2012	26,484	23,540	22,431	19,635	18,705	18,700	21,806	19,225	19,859	20,820	23,655	23,782	258,642
2013	28,576	25,544	24,053	20,901	19,896	19,858	23,355	20,477	21,151	22,255	25,387	25,561	277,014
2014	28,612	25,574	24,081	20,923	19,916	19,878	23,383	20,499	21,174	22,280	25,417	25,592	277,329
2015	28,618	25,578	24,086	20,926	19,919	19,881	23,387	20,502	21,178	22,284	25,422	25,596	277,377
2016	28,647	25,281	24,108	20,944	19,936	19,897	23,408	20,520	21,196	22,304	25,446	25,621	277,308
2017	28,695	25,640	24,145	20,973	19,963	19,924	23,444	20,548	21,225	22,337	25,485	25,662	278,041
2018	28,706	25,649	24,154	20,979	19,970	19,930	23,452	20,555	21,232	22,344	25,494	25,671	278,136
2019	28,762	25,695	24,198	21,014	20,002	19,961	23,494	20,588	21,267	22,383	25,541	25,719	278,624
2020	28,811	25,413	24,236	21,043	20,030	19,988	23,530	20,618	21,297	22,417	25,582	25,761	278,726
2021	28,833	25,752	24,253	21,057	20,042	20,000	23,546	20,631	21,311	22,432	25,600	25,779	279,236
2022	28,881	25,790	24,290	21,086	20,070	20,027	23,582	20,660	21,340	22,465	25,640	25,821	279,652
2023	28,932	25,831	24,329	21,116	20,098	20,055	23,619	20,690	21,371	22,500	25,681	25,863	280,085

Projected

McLean Electric

Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	3,906	3,716	3,046	3,094	2,495	2,470	2,128	2,388	2,413	2,440	2,842	3,575	34,513
1972	4,061	4,292	3,360	3,123	2,519	2,479	2,319	2,568	2,410	2,597	3,241	3,982	36,951
1973	3,962	3,919	2,977	2,994	2,818	2,477	2,422	2,541	2,558	2,488	3,422	3,982	36,560
1974	4,793	4,271	3,455	3,623	2,944	2,639	2,556	2,830	2,709	2,864	3,058	4,047	39,789
1975	4,613	4,977	3,728	4,288	2,855	2,662	2,816	2,825	2,500	2,734	3,259	4,621	41,878
1976	5,398	4,792	4,449	3,907	3,152	3,107	2,911	3,120	2,987	3,371	4,333	5,801	47,328
1977	6,890	6,230	4,360	4,094	3,311	3,337	3,558	3,765	3,635	4,243	5,558	7,664	56,645
1978	8,546	8,766	6,376	5,726	4,320	4,035	3,687	4,415	4,190	4,591	5,619	7,503	67,774
1979	8,378	8,564	6,231	5,754	4,767	3,699	3,635	3,902	3,561	3,598	5,147	5,707	62,943
1980	6,363	6,394	5,551	4,310	3,352	3,605	3,962	3,655	3,211	3,594	4,517	4,939	53,453
1981	5,846	5,431	3,855	3,721	3,288	3,107	3,731	3,573	3,267	3,210	3,997	4,976	48,002
1982	6,365	6,161	4,673	4,751	3,404	3,164	3,326	4,017	3,369	3,498	4,251	5,053	52,032
1983	4,968	5,058	3,576	4,291	3,458	3,113	3,614	4,031	3,857	3,776	3,993	5,097	48,832
1984	5,865	4,836	4,477	3,654	3,675	3,367	3,743	4,529	3,616	3,035	4,778	4,599	50,174
1985	5,653	5,417	3,804	3,816	3,290	3,093	3,584	3,756	3,391	3,512	4,170	5,531	49,017
1986	4,886	5,011	3,875	4,063	3,166	3,388	3,523	3,528	3,421	3,642	4,611	4,356	47,470
1987	4,543	4,376	3,895	3,838	3,069	3,117	3,420	3,367	3,185	3,031	3,832	4,333	44,006
1988	5,120	5,330	4,763	3,874	3,355	3,943	4,021	4,159	3,476	3,292	4,210	4,345	49,888
1989	5,207	5,328	4,508	4,082	3,052	3,385	3,733	4,497	3,251	3,300	4,212	4,752	49,307
1990	4,890	4,908	3,869	3,982	3,432	2,931	3,424	4,143	3,827	3,305	3,999	4,487	47,197
1991	5,856	4,553	3,997	3,703	3,306	3,342	3,324	4,035	3,854	3,538	4,490	4,702	48,700
1992	4,673	4,623	3,931	4,111	3,283	3,332	3,478	3,630	4,060	3,512	4,129	4,768	47,530
1993	5,567	4,655	4,243	4,133	3,066	3,509	3,061	3,347	3,702	3,833	4,135	4,870	48,121
1994	5,823	5,992	3,932	3,880	3,511	3,129	3,524	3,713	3,954	3,485	4,154	4,756	49,853
1995	5,120	5,102	4,385	4,282	3,520	3,577	3,593	4,117	3,717	3,629	4,640	5,129	50,811
1996	5,355	5,665	4,611	4,427	3,499	3,542	3,685	3,938	4,347	3,603	4,803	7,948	55,423
1997	5,911	4,568	4,547	3,872	3,688	3,784	3,811	4,243	3,686	3,856	4,460	4,808	51,234
1998	5,433	4,176	4,716	3,420	3,263	3,304	4,253	4,657	3,663	3,726	4,587	5,238	50,436
1999	5,853	4,506	4,348	3,482	3,549	3,491	4,102	4,005	4,104	4,155	4,150	4,883	50,628
2000	5,265	4,628	4,306	3,853	3,498	3,576	4,219	4,546	3,916	3,944	4,797	6,054	52,602
2001	5,283	5,190	4,716	3,803	3,737	3,608	4,214	4,810	3,676	3,984	4,329	5,511	52,861
2002	5,377	4,643	5,540	4,082	3,999	3,605	4,691	4,675	4,468	4,674	5,021	5,603	56,378
2003	6,122	5,471	5,438	4,043	3,854	3,698	4,432	5,172	4,139	4,134	5,398	5,604	57,505
2004	6,578	5,517	4,811	3,740	3,829	3,667	4,493	4,741	4,990	4,603	4,829	5,917	57,715
2005	6,712	5,112	5,086	3,777	4,114	3,774	4,836	5,157	4,436	4,210	5,107	6,413	58,734
2006	5,598	5,560	5,505	3,971	3,929	4,135	5,484	5,336	4,013	4,858	5,517	6,218	60,124
2007	6,824	7,712	7,790	6,862	6,848	6,948	8,288	8,652	7,332	7,645	8,710	9,866	93,477
2008	10,462	9,126	8,706	7,095	7,423	7,277	8,931	8,689	8,049	8,062	8,866	9,837	102,523
2009	10,574	9,416	8,861	7,454	7,499	7,413	8,980	8,747	8,107	8,224	9,049	10,045	104,369
2010	15,636	14,074	13,326	11,428	11,489	11,373	13,486	13,172	12,309	12,466	13,579	14,922	157,260
2011	15,686	14,117	13,365	11,458	11,519	11,402	13,526	13,210	12,343	12,501	13,619	14,969	157,715
2012	15,701	14,129	13,376	11,467	11,528	11,411	13,537	13,221	12,353	12,511	13,631	14,983	157,848
2013	16,902	15,149	14,309	12,178	12,246	12,116	14,488	14,136	13,166	13,343	14,592	16,101	168,726
2014	16,923	15,166	14,325	12,190	12,259	12,128	14,505	14,152	13,181	13,358	14,609	16,120	168,916
2015	16,926	15,169	14,327	12,192	12,261	12,130	14,507	14,154	13,183	13,360	14,612	16,123	168,944
2016	16,943	15,184	14,340	12,202	12,271	12,140	14,521	14,167	13,194	13,372	14,625	16,139	169,098
2017	16,970	15,207	14,362	12,218	12,287	12,156	14,542	14,188	13,213	13,391	14,647	16,165	169,346
2018	16,976	15,212	14,367	12,222	12,291	12,159	14,547	14,193	13,217	13,395	14,652	16,170	169,401
2019	17,009	15,240	14,392	12,241	12,310	12,179	14,573	14,217	13,239	13,418	14,678	16,201	169,697
2020	17,037	15,264	14,414	12,258	12,327	12,195	14,595	14,239	13,258	13,437	14,701	16,227	169,952
2021	17,050	15,274	14,423	12,265	12,335	12,202	14,605	14,248	13,267	13,446	14,711	16,239	170,065
2022	17,077	15,298	14,445	12,282	12,351	12,219	14,627	14,269	13,285	13,465	14,733	16,264	170,315
2023	17,106	15,322	14,467	12,299	12,369	12,236	14,650	14,291	13,305	13,485	14,756	16,291	170,577

Projected

Table III-1

McLean Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Total Residential	Small Commercial	Large Commercial	Irrigation	Other	Total Sales	Own Use & Losses	Total Energy Requirements
HISTORICAL	1971	19,861	1,045	8,568	131	2,628	32,233	2,279	34,512
	1972	21,886	907	8,466	191	2,600	34,050	2,901	36,951
	1973	21,778	999	8,472	404	2,601	34,254	2,306	36,560
	1974	24,385	984	9,216	477	2,833	37,895	1,895	39,790
	1975	28,214	1,287	7,916	496	2,425	40,338	1,537	41,875
	1976	28,676	1,760	8,205	1,164	2,508	42,313	5,015	47,328
	1977	29,750	1,641	15,737	1,416	4,844	53,388	3,257	56,645
	1978	31,931	1,614	22,842	1,023	7,043	64,453	3,320	67,773
	1979	32,743	1,815	15,576	1,117	7,297	58,548	4,396	62,944
	1980	30,457	1,729	8,255	1,972	7,284	49,697	3,756	53,453
	1981	28,856	1,752	5,350	1,107	7,116	44,181	3,820	48,001
	1982	32,146	1,765	6,587	808	7,320	48,626	3,406	52,032
	1983	29,156	1,624	6,639	992	6,877	45,288	3,543	48,831
	1984	29,522	1,785	7,722	1,507	6,327	46,863	3,312	50,175
	1985	29,887	1,855	7,541	1,060	4,996	45,339	3,677	49,016
	1986	29,534	1,878	7,215	820	4,938	44,385	3,084	47,469
	1987	27,702	1,646	5,711	699	4,797	40,555	3,452	44,007
	1988	29,210	1,754	9,316	1,631	4,838	46,749	3,138	49,887
	1989	29,195	1,795	8,640	1,313	4,929	45,872	3,436	49,308
	1990	27,206	1,800	8,930	1,197	4,798	43,931	3,267	47,198
	1991	28,075	1,871	9,464	989	4,903	45,302	3,398	48,700
	1992	27,424	2,137	9,570	1,207	4,911	45,249	2,282	47,531
	1993	28,820	2,225	9,132	199	5,022	45,398	2,723	48,121
	1994	28,473	2,142	9,759	901	4,965	46,240	3,615	49,855
	1995	29,115	2,473	10,208	576	5,008	47,380	3,432	50,812
	1996	30,069	2,712	10,944	793	4,990	49,508	5,913	55,421
	1997	30,573	3,899	9,248	1,013	5,312	50,045	1,189	51,234
	1998	27,592	3,590	9,334	1,162	5,312	46,990	3,446	50,436
	1999	27,620	3,542	9,744	712	5,046	46,664	3,964	50,628
	2000	28,756	4,202	9,939	540	5,107	48,544	4,057	52,601
	2001	29,112	4,354	9,980	610	5,196	49,252	3,608	52,860
	2002	31,442	4,545	10,710	930	5,268	52,895	3,481	56,376
	2003	32,165	4,588	10,827	771	5,163	53,514	3,992	57,506
	2004	32,785	4,591	10,106	785	5,195	53,462	4,253	57,715
	2005	32,866	4,851	10,701	584	5,179	54,181	4,552	58,733
	2006	33,793	5,159	11,063	1,086	5,058	56,159	3,965	60,124
	2007	36,698	5,240	40,778	954	5,184	88,854	4,621	93,475
PROJECTED	2008	36,846	6,200	46,536	900	5,171	95,653	6,869	102,522
	2009	37,307	6,200	46,700	2,000	5,171	97,378	6,993	104,371
	2010	37,383	6,230	95,440	2,500	5,171	146,724	10,536	157,260
	2011	37,407	6,230	95,840	2,500	5,171	147,148	10,567	157,715
	2012	37,511	6,250	95,840	2,500	5,171	147,272	10,576	157,848
	2013	37,660	6,250	105,840	2,500	5,171	157,421	11,305	168,726
	2014	37,808	6,280	105,840	2,500	5,171	157,599	11,317	168,916
	2015	37,835	6,280	105,840	2,500	5,171	157,626	11,319	168,945
	2016	37,957	6,300	105,840	2,500	5,171	157,768	11,330	169,098
	2017	38,188	6,300	105,840	2,500	5,171	157,999	11,346	169,345
	2018	38,221	6,320	105,840	2,500	5,171	158,052	11,350	169,402
	2019	38,475	6,340	105,840	2,500	5,171	158,326	11,370	169,696
	2020	38,694	6,360	105,840	2,500	5,171	158,565	11,387	169,952
	2021	38,780	6,380	105,840	2,500	5,171	158,671	11,394	170,065
	2022	38,994	6,400	105,840	2,500	5,171	158,905	11,411	170,316
	2023	39,218	6,420	105,840	2,500	5,171	159,149	11,429	170,578

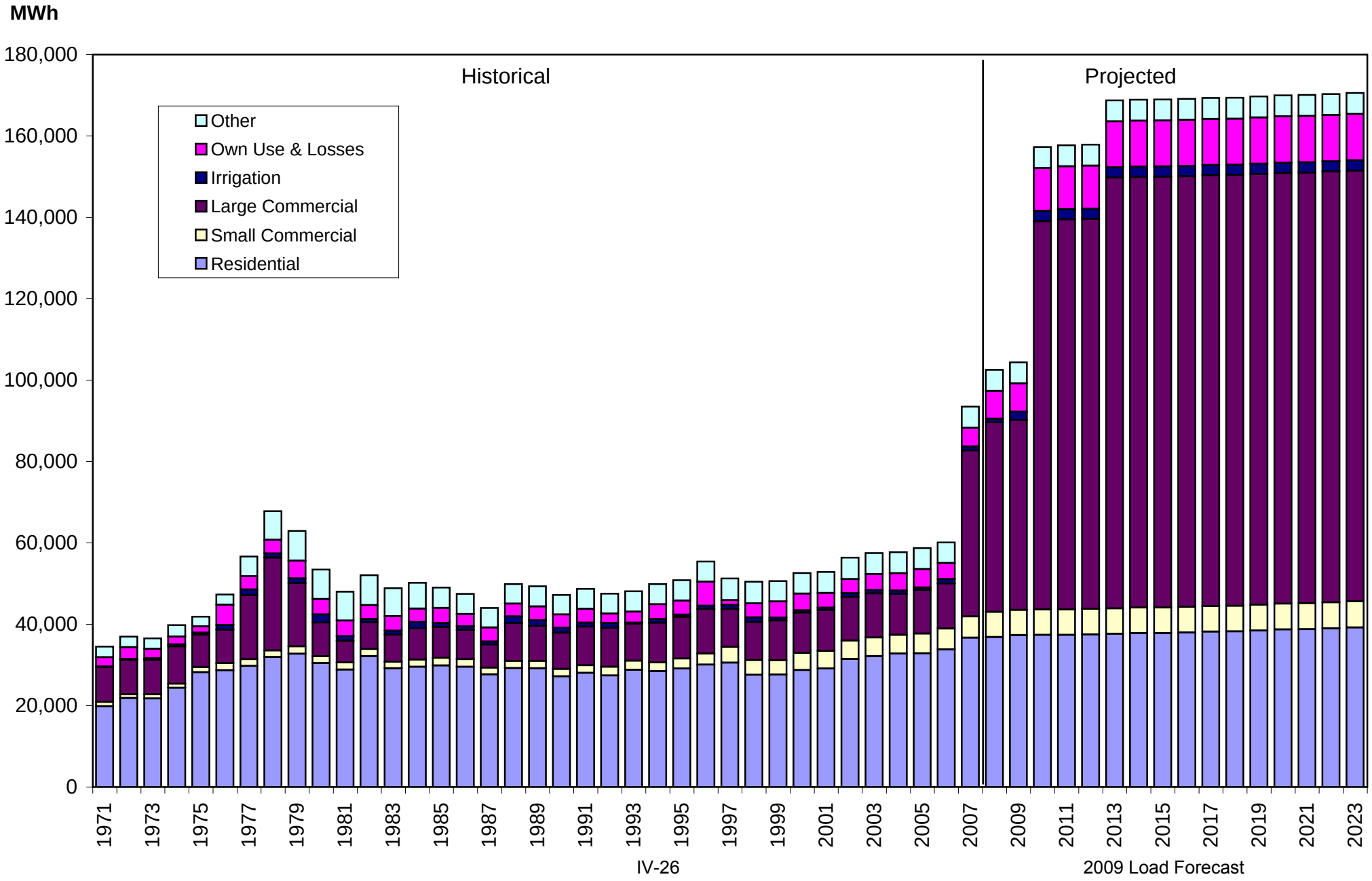
Historical Average Compound Growth Rates:	1971-2007	2.81%	1998-2007	7.10%
Projected Average Compound Growth Rates:	2008-2023	3.45%	2008-2012	11.39%

* Purchases & Losses Reflect a Change to Calendar Billing by Power Supplier

McLean Electric Cooperative

Graph III-1

Annual Energy Requirements



NORTH CENTRAL ELECTRIC

2009 Load Forecast

SUMMARY

North Central Electric

Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	13,082	12,892	9,983	10,252	8,739	8,841	8,551	8,741	9,147	9,418	11,201	13,008	123,855
1972	14,578	14,018	12,364	10,846	10,208	9,346	9,246	9,245	10,369	9,994	11,149	14,152	135,515
1973	13,802	12,678	11,553	10,098	10,296	9,243	9,072	9,318	9,663	9,537	12,444	14,043	131,747
1974	15,234	13,905	12,732	13,206	10,572	9,765	9,387	9,423	10,806	11,043	12,447	14,220	142,740
1975	17,664	16,238	13,748	14,000	11,148	10,046	10,045	10,367	11,099	11,259	12,650	17,082	155,346
1976	18,212	15,654	15,818	13,582	11,670	10,491	10,432	10,869	11,248	12,260	14,346	18,296	162,878
1977	19,265	19,649	14,512	13,743	11,314	10,743	10,796	10,894	11,409	12,156	16,917	20,347	171,745
1978	19,890	19,973	17,455	14,793	12,456	11,711	11,341	11,499	12,031	13,141	18,843	20,503	183,636
1979	23,176	22,057	20,056	18,579	15,387	13,412	13,419	13,333	14,080	15,437	18,743	22,323	210,002
1980	23,493	22,190	21,500	17,898	14,831	14,669	13,266	14,440	15,224	16,360	18,007	23,242	215,120
1981	23,416	23,296	18,644	16,892	15,547	16,164	14,447	14,915	15,864	16,604	19,288	22,628	217,705
1982	26,166	24,973	22,250	21,093	16,911	15,290	15,129	14,438	15,568	17,092	20,823	22,808	232,541
1983	22,702	23,354	20,549	19,423	17,711	15,189	14,268	14,693	14,978	17,771	18,734	24,995	224,367
1984	27,389	23,624	21,784	15,317	18,279	14,150	11,805	13,244	13,388	16,471	21,958	21,611	219,020
1985	24,000	23,096	20,071	18,680	14,267	13,651	12,503	14,092	14,090	16,700	20,997	22,303	214,450
1986	21,237	20,998	21,995	17,479	14,845	12,532	11,870	12,390	13,222	14,675	20,169	21,785	203,197
1987	21,017	20,081	19,836	16,970	14,902	12,514	13,015	12,076	14,279	14,951	18,649	19,141	197,431
1988	20,283	21,038	20,121	17,536	14,772	13,715	14,469	13,965	15,312	16,976	19,742	22,970	210,899
1989	24,486	26,243	24,278	20,707	14,865	14,172	14,884	14,587	14,492	17,617	21,000	26,440	233,771
1990	29,032	23,037	21,712	21,930	17,569	13,383	14,345	15,645	15,122	18,540	21,279	25,955	237,549
1991	26,894	25,021	23,478	20,641	18,235	13,826	15,745	14,451	14,478	16,297	23,873	26,181	239,120
1992	26,294	23,818	22,556	20,684	19,517	13,889	13,744	14,260	17,994	19,872	22,111	25,050	239,789
1993	27,965	28,361	25,861	20,185	17,679	15,815	14,826	14,836	15,833	20,985	22,695	27,354	252,395
1994	29,976	27,850	26,652	20,516	20,060	14,997	14,523	15,192	16,811	19,312	21,829	27,060	254,778
1995	28,634	27,441	28,067	23,833	19,587	15,520	17,228	16,204	16,127	19,276	24,017	30,888	266,822
1996	30,138	33,202	29,234	26,273	21,065	16,080	15,553	16,226	16,746	20,664	26,422	30,635	282,238
1997	31,086	27,831	24,982	24,682	17,856	13,586	15,114	14,800	18,062	21,720	24,686	25,311	259,716
1998	33,131	24,902	29,347	20,843	19,236	15,412	16,065	16,031	17,725	22,578	27,453	34,491	277,214
1999	32,583	28,476	25,891	22,618	20,542	16,739	16,877	17,338	20,196	23,309	23,759	31,757	280,085
2000	32,134	31,357	27,388	24,551	22,126	16,957	18,202	18,739	19,110	23,098	29,063	35,462	298,187
2001	30,964	33,185	27,843	23,224	16,441	17,730	17,493	18,530	17,324	24,097	29,704	31,450	287,985
2002	34,496	31,431	31,991	27,220	24,305	18,444	18,594	18,124	19,440	29,871	31,233	34,407	319,556
2003	37,332	38,116	37,710	29,712	21,575	17,433	18,441	20,146	19,191	26,269	34,230	34,155	334,310
2004	41,233	38,083	33,550	24,193	26,392	18,355	18,626	20,784	25,899	29,234	30,158	37,808	344,315
2005	41,554	37,491	32,989	25,768	23,023	20,112	21,581	20,948	21,686	26,956	34,192	36,776	343,076
2006	32,812	43,334	31,637	28,613	24,016	18,920	20,862	21,867	22,599	29,716	38,306	41,942	354,624
2007	43,388	42,915	38,120	33,587	18,986	20,496	22,709	22,229	23,028	27,790	41,884	41,742	376,874
2008	47,404	41,568	37,325	30,480	25,165	21,411	24,405	22,282	25,644	31,328	39,415	42,430	388,857
2009	48,240	42,301	37,983	31,018	25,608	21,789	24,835	22,675	26,096	31,880	40,110	43,178	395,713
2010	48,659	42,669	38,313	31,287	25,831	21,978	25,051	22,872	26,323	32,157	40,459	43,553	399,152
2011	49,137	43,088	38,690	31,595	26,085	22,194	25,297	23,097	26,582	32,473	40,856	43,981	403,075
2012	49,867	43,728	39,264	32,064	26,472	22,524	25,673	23,440	26,976	32,955	41,463	44,634	409,060
2013	50,714	44,470	39,931	32,608	26,922	22,906	26,109	23,838	27,435	33,515	42,167	45,393	416,008
2014	51,772	45,399	40,765	33,289	27,483	23,384	26,654	24,336	28,007	34,215	43,047	46,340	424,691
2015	52,935	46,418	41,680	34,037	28,101	23,909	27,253	24,882	28,636	34,983	44,014	47,381	434,229
2016	54,196	47,524	42,674	34,848	28,770	24,479	27,902	25,475	29,319	35,817	45,063	48,510	444,577
2017	55,626	48,778	43,799	35,767	29,529	25,125	28,638	26,147	30,092	36,762	46,252	49,790	456,305
2018	57,208	50,165	45,045	36,784	30,369	25,839	29,452	26,891	30,948	37,807	47,567	51,205	469,280
2019	58,856	51,611	46,343	37,844	31,244	26,584	30,301	27,666	31,839	38,896	48,937	52,681	482,802
2020	60,667	53,198	47,768	39,008	32,205	27,402	31,233	28,517	32,819	40,093	50,443	54,301	497,654
2021	62,702	54,983	49,371	40,317	33,286	28,321	32,281	29,473	33,920	41,438	52,135	56,123	514,350
2022	64,924	56,931	51,120	41,746	34,465	29,325	33,425	30,518	35,122	42,906	53,983	58,112	532,577
2023	67,162	58,894	52,882	43,185	35,653	30,335	34,577	31,570	36,333	44,385	55,843	60,115	550,934

Projected

North Central Electric

Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	6,988	6,746	5,106	5,367	4,513	4,705	4,175	4,598	4,559	4,603	5,407	6,651	63,418
1972	7,435	7,730	6,141	5,696	4,664	4,753	4,518	4,882	4,749	5,075	5,842	7,069	68,554
1973	7,101	6,844	5,422	5,478	5,188	4,767	4,621	4,792	4,924	4,820	6,226	6,977	67,160
1974	8,405	7,534	6,280	6,448	5,488	5,111	4,700	5,118	5,382	5,607	5,949	7,255	73,277
1975	8,310	8,759	6,846	7,418	5,334	5,336	5,111	5,077	5,464	5,637	6,311	8,314	77,917
1976	9,331	8,294	7,747	6,929	5,746	5,651	5,176	5,686	5,506	5,984	7,325	9,425	82,800
1977	10,631	9,537	7,153	6,848	5,613	5,585	5,489	5,584	6,033	6,170	7,546	9,827	86,016
1978	11,306	11,206	8,545	7,976	6,135	6,263	5,670	6,348	6,030	6,588	8,372	10,837	95,276
1979	12,256	12,699	9,449	9,723	8,140	6,602	6,313	6,637	6,622	6,967	9,506	10,653	105,567
1980	12,146	11,972	10,705	9,099	6,828	7,197	6,975	7,282	7,115	8,103	9,677	10,635	107,734
1981	12,715	12,105	8,844	8,755	7,823	7,375	7,526	7,814	7,838	8,060	9,942	11,429	110,226
1982	14,218	13,783	10,739	10,655	8,180	8,072	7,256	7,662	7,935	8,664	10,630	12,324	120,118
1983	12,117	12,763	9,756	9,977	8,530	7,826	7,391	7,507	8,003	8,533	10,165	12,350	114,918
1984	14,134	12,018	11,066	9,033	8,820	7,683	7,472	7,948	7,979	8,316	12,197	11,949	118,615
1985	14,785	13,517	10,224	9,381	8,396	8,151	7,601	8,568	8,795	10,089	10,927	13,634	124,068
1986	13,026	13,108	10,377	10,310	8,433	7,949	7,827	7,680	8,435	9,427	11,737	11,751	120,060
1987	12,833	12,534	10,497	9,968	8,295	8,144	8,496	8,465	9,222	8,713	10,613	12,227	120,007
1988	13,597	13,627	12,169	10,512	9,638	9,002	8,774	9,323	10,020	9,707	12,268	12,531	131,168
1989	15,029	14,898	12,741	11,702	9,076	9,580	8,929	9,823	9,345	9,908	11,677	14,396	137,104
1990	14,332	15,104	11,483	11,907	10,254	8,898	8,398	9,790	9,555	10,120	12,821	14,219	136,881
1991	17,815	13,921	12,162	11,113	10,676	9,303	8,778	9,957	9,861	10,993	13,577	15,163	143,319
1992	14,807	14,082	12,159	12,266	10,009	9,392	9,432	9,676	10,964	10,726	13,036	14,980	141,529
1993	17,243	14,492	13,012	12,728	9,939	9,945	9,159	9,709	10,981	12,150	13,423	15,471	148,252
1994	18,925	18,255	12,583	11,899	10,244	9,413	9,324	9,611	11,314	10,950	13,500	15,118	151,136
1995	16,907	16,775	14,323	13,568	10,835	10,688	9,777	10,455	10,228	11,766	14,564	17,156	157,042
1996	17,627	18,616	15,604	15,034	11,942	10,494	10,097	10,408	11,445	12,641	15,592	25,737	175,237
1997	20,136	15,685	15,819	13,238	11,423	9,836	10,579	10,723	11,298	13,223	15,022	16,157	163,139
1998	18,796	14,157	15,630	11,282	10,832	10,079	10,274	10,661	10,469	12,800	15,245	17,945	158,170
1999	18,895	14,217	13,832	11,488	10,594	9,647	10,444	10,664	10,856	13,851	14,079	17,371	155,938
2000	19,160	15,761	14,386	12,727	11,304	10,693	11,459	11,708	11,610	13,048	16,647	22,006	170,509
2001	18,803	18,505	16,569	13,715	11,359	10,879	11,282	11,947	11,423	14,197	15,113	19,473	173,265
2002	19,957	16,441	19,834	15,106	13,674	11,216	11,842	12,658	12,636	16,457	18,563	20,308	188,692
2003	21,804	19,828	19,198	14,023	12,590	11,183	11,802	13,096	12,167	15,026	18,282	20,778	189,777
2004	24,344	20,010	18,386	14,633	13,868	11,834	12,133	12,620	15,541	17,955	18,108	22,565	201,997
2005	24,733	19,456	19,367	14,522	13,979	12,292	13,132	13,734	14,068	15,494	19,183	22,375	202,335
2006	20,389	20,762	20,083	14,497	13,305	12,266	13,186	14,137	12,841	17,043	20,071	22,561	201,141
2007	23,762	22,725	19,468	15,576	12,979	12,365	13,803	14,273	13,889	15,836	20,697	25,204	210,577
2008	26,220	22,814	21,281	16,298	14,912	13,422	15,071	14,378	15,516	18,267	21,476	24,943	224,598
2009	26,682	23,216	21,656	16,585	15,174	13,659	15,336	14,632	15,789	18,589	21,855	25,383	228,556
2010	26,914	23,418	21,844	16,730	15,306	13,777	15,470	14,759	15,926	18,751	22,045	25,604	230,544
2011	27,178	23,648	22,059	16,894	15,457	13,913	15,622	14,904	16,083	18,935	22,262	25,855	232,810
2012	27,582	23,999	22,386	17,145	15,686	14,119	15,854	15,125	16,322	19,216	22,592	26,239	236,265
2013	28,050	24,406	22,767	17,436	15,953	14,359	16,123	15,382	16,599	19,542	22,976	26,685	240,278
2014	28,636	24,916	23,242	17,800	16,286	14,659	16,459	15,703	16,945	19,950	23,455	27,242	245,293
2015	29,279	25,475	23,764	18,200	16,651	14,988	16,829	16,056	17,326	20,398	23,982	27,854	250,802
2016	29,976	26,082	24,330	18,633	17,048	15,345	17,230	16,438	17,739	20,884	24,554	28,518	256,777
2017	30,767	26,771	24,972	19,125	17,498	15,750	17,685	16,872	18,207	21,436	25,202	29,270	263,555
2018	31,642	27,532	25,682	19,669	17,995	16,198	18,187	17,352	18,724	22,045	25,918	30,102	271,046
2019	32,554	28,325	26,422	20,236	18,514	16,665	18,712	17,852	19,264	22,680	26,665	30,970	278,859
2020	33,555	29,196	27,235	20,858	19,083	17,177	19,287	18,401	19,856	23,378	27,485	31,922	287,433
2021	34,681	30,176	28,148	21,558	19,724	17,753	19,934	19,018	20,523	24,162	28,407	32,993	297,077
2022	35,910	31,245	29,146	22,322	20,423	18,383	20,641	19,692	21,250	25,018	29,414	34,162	307,606
2023	37,148	32,322	30,151	23,091	21,127	19,016	21,352	20,371	21,982	25,881	30,428	35,340	318,209

Projected

Table III-1

North Central Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Residential	Oil-Related Commercial	Irrigation	Other	Total Sales	Own Use & Losses	Total Energy Requirements
HISTORICAL	1971	30,386	21,168	0	4,994	56,548	6,872	63,420
	1972	33,560	22,151	0	5,100	60,811	7,742	68,553
	1973	34,782	21,742	0	4,546	61,070	6,088	67,158
	1974	39,766	21,650	0	4,652	66,068	7,208	73,276
	1975	43,765	22,146	0	4,485	70,396	7,521	77,917
	1976	46,999	22,955	0	4,188	74,142	8,658	82,800
	1977	48,929	24,329	0	3,932	77,190	8,825	86,015
	1978	55,231	26,823	49	4,360	86,463	8,813	95,276
	1979	59,373	31,933	51	5,010	96,367	9,200	105,567
	1980	54,483	38,786	59	5,211	98,539	9,194	107,733
	1981	53,905	40,097	41	5,106	99,149	11,074	110,223
	1982	60,700	42,645	35	5,254	108,634	11,482	120,116
	1983	56,315	41,556	39	4,839	102,749	12,168	114,917
	1984	58,108	45,984	57	3,876	108,025	10,590	118,615
	1985	60,402	48,262	30	3,435	112,129	11,940	124,069
	1986	60,916	48,855	16	3,798	113,585	6,474	120,059
	1987	57,050	51,531	31	3,664	112,276	7,731	120,007
	1988	60,259	55,655	77	3,825	119,816	11,353	131,169
	1989	64,452	57,236	56	3,637	125,381	11,722	137,103
	1990	62,804	59,239	32	3,456	125,531	11,349	136,880
	1991	66,237	61,159	57	3,373	130,826	12,492	143,318
	1992	66,309	60,645	67	3,235	130,256	11,270	141,526
	1993	72,404	60,317	22	3,435	136,178	12,071	148,249
	1994	74,461	61,988	60	3,256	139,765	11,369	151,134
	1995	77,582	63,066	53	3,578	144,279	12,762	157,041
	1996 *	83,897	65,899	50	3,460	153,306	21,932	175,238
	1997	82,246	65,485	51	3,301	151,083	12,054	163,137
	1998	76,381	65,952	42	3,357	145,732	12,440	158,172
	1999	80,598	60,165	30	3,422	144,215	11,724	155,939
	2000	81,562	70,176	27	3,531	155,296	15,212	170,508
	2001	84,915	69,396	3	3,441	157,755	15,511	173,266
	2002	92,137	77,305	39	3,519	173,000	15,691	188,691
	2003	93,100	79,363	80	3,533	176,076	13,701	189,777
	2004	98,161	85,763	28	3,621	187,573	14,425	201,998
	2005	99,894	86,045	37	3,710	189,686	12,648	202,334
	2006	97,288	85,631	100	3,660	186,679	14,462	201,141
	2007	103,556	87,711	63	3,794	195,124	15,453	210,577
PROJECTED	2008	113,019	91,456	50	3,676	208,201	16,396	224,597
	2009	115,694	92,452	50	3,676	211,872	16,685	228,557
	2010	118,242	91,745	50	3,676	213,713	16,830	230,543
	2011	121,032	91,055	50	3,676	215,813	16,995	232,808
	2012	123,991	91,301	50	3,676	219,018	17,247	236,265
	2013	127,115	91,897	50	3,676	222,738	17,540	240,278
	2014	130,584	93,077	50	3,676	227,387	17,906	245,293
	2015	134,230	94,537	50	3,676	232,493	18,309	250,802
	2016	138,090	96,218	50	3,676	238,034	18,745	256,779
	2017	142,361	98,228	50	3,676	244,315	19,239	263,554
	2018	146,899	100,636	50	3,676	251,261	19,786	271,047
	2019	151,760	103,014	50	3,676	258,500	20,357	278,857
	2020	156,948	105,777	50	3,676	266,451	20,983	287,434
	2021	162,426	109,238	50	3,676	275,390	21,687	297,077
	2022	168,285	113,139	50	3,676	285,150	22,455	307,605
	2023	174,586	116,668	50	3,676	294,980	23,229	318,209

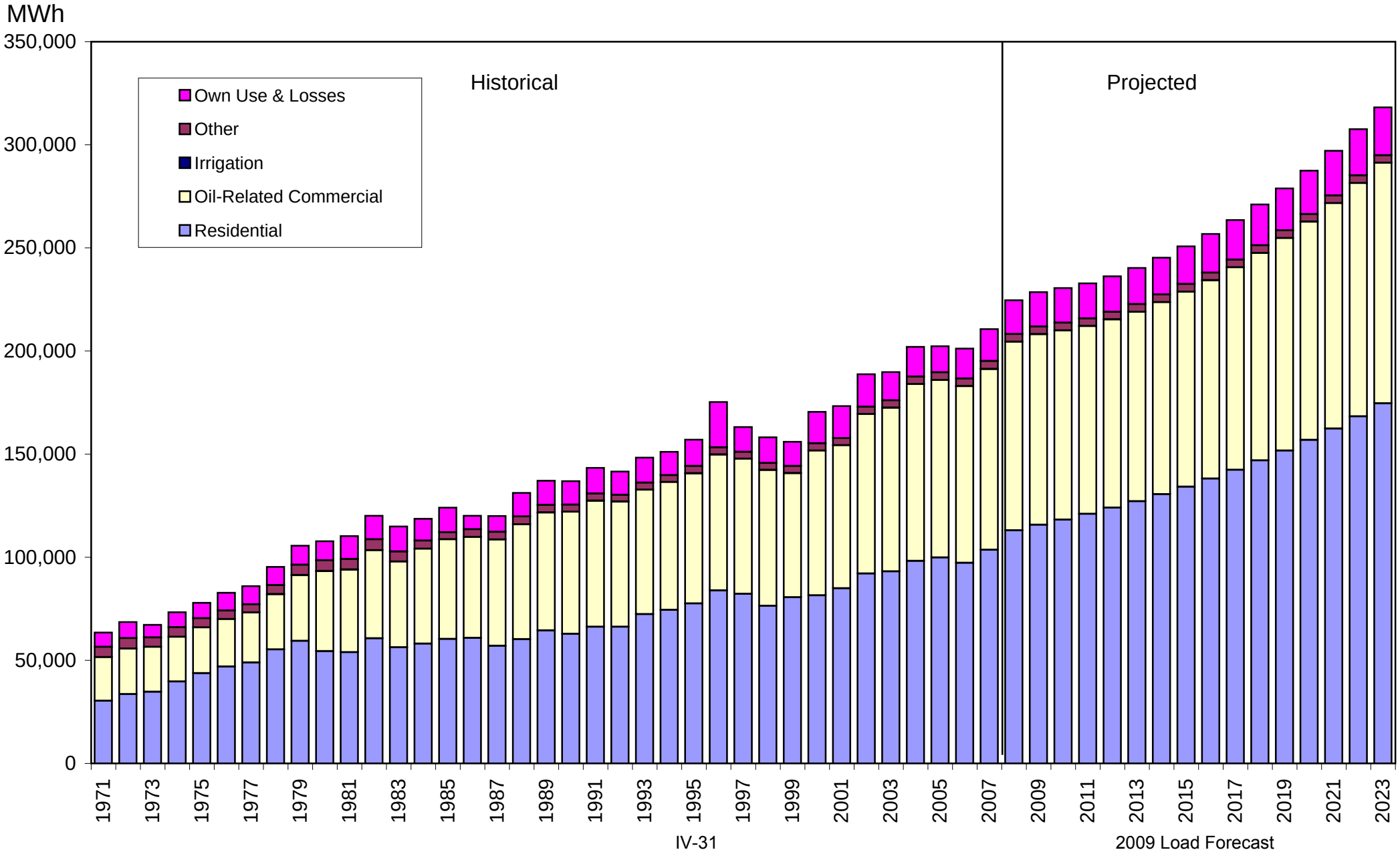
Historical Average Compound Growth Rates:	1971-2007	3.39%	1998-2007	3.23%
Projected Average Compound Growth Rates:	2008-2023	2.35%	2008-2012	1.27%

* Purchases & Losses Reflect a Change to Calendar Billing by Power Supplier

North Central Electric Cooperative

Graph III-1

Annual Energy Requirements



2009 Load Forecast

NORTHERN PLAINS ELECTRIC

2009 Load Forecast

SUMMARY

Northern Plains Electric

Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	28,552	27,991	22,475	21,353	18,684	17,899	17,363	18,515	18,256	19,025	24,297	27,455	261,865
1972	32,596	30,276	26,334	22,608	19,601	17,894	17,593	18,792	19,865	20,998	24,742	31,295	282,594
1973	30,191	27,753	24,308	21,878	21,844	19,316	18,616	19,558	20,033	19,837	26,860	30,425	280,619
1974	33,567	31,000	26,840	28,859	22,720	20,414	20,028	20,560	21,051	22,886	27,194	31,005	306,124
1975	36,794	35,704	30,402	32,710	25,854	21,398	22,851	23,290	23,392	24,290	28,621	38,100	343,406
1976	40,235	35,130	34,784	29,588	24,505	23,479	23,954	24,895	24,540	26,903	31,529	40,808	360,350
1977	42,416	43,189	32,351	30,404	24,414	23,240	25,902	25,642	23,984	26,519	35,500	44,371	377,932
1978	42,345	42,440	36,191	30,527	26,411	24,167	26,654	28,335	26,949	27,538	38,605	42,200	392,362
1979	46,637	45,838	40,415	38,554	31,930	28,290	28,798	29,675	29,130	30,875	38,236	45,598	433,976
1980	47,603	43,792	42,454	36,143	30,563	29,945	30,318	29,968	30,249	32,997	28,877	46,805	429,714
1981	47,592	46,338	36,133	32,622	29,868	29,222	30,656	31,960	31,987	32,876	38,894	45,720	433,868
1982	53,706	48,942	43,821	40,464	33,215	30,042	30,363	31,566	31,889	33,779	43,238	45,631	466,656
1983	43,096	43,062	40,780	37,263	34,386	28,290	31,335	33,078	32,762	36,446	37,453	49,825	447,776
1984	53,996	47,608	43,195	31,244	31,138	24,755	25,971	30,701	31,055	31,150	45,136	44,110	440,059
1985	46,542	45,499	36,226	32,345	26,574	23,449	26,045	27,334	27,559	29,882	39,751	42,689	403,895
1986	41,921	38,465	34,615	29,708	25,768	25,139	24,068	23,856	25,288	29,202	36,482	41,967	376,479
1987	40,424	38,935	37,322	30,342	26,022	22,710	24,438	23,576	24,908	27,231	35,634	35,297	366,839
1988	39,724	39,292	37,943	30,673	24,901	25,074	24,284	27,104	23,531	27,932	35,233	41,886	377,577
1989	44,094	46,875	41,497	36,289	28,137	24,534	26,026	29,253	26,748	30,369	38,485	46,983	419,290
1990	46,975	43,280	38,676	35,381	29,239	21,280	24,092	29,179	28,033	31,542	38,164	45,420	411,261
1991	49,413	46,001	40,284	33,359	33,303	20,936	23,807	24,358	26,751	30,977	43,795	45,323	418,307
1992	45,968	43,207	37,605	35,410	34,932	21,844	22,111	24,250	32,349	38,140	39,129	45,626	420,571
1993	51,703	49,756	45,655	36,665	30,409	24,454	24,841	25,324	28,237	34,941	39,555	51,465	443,005
1994	55,213	54,073	50,294	39,876	38,171	27,308	26,406	28,098	32,756	35,568	39,495	51,035	478,293
1995	51,396	49,396	50,851	44,136	35,516	28,953	31,450	30,210	31,695	40,459	43,609	56,385	494,056
1996	55,630	61,140	52,285	47,298	35,554	29,579	27,876	30,838	33,568	38,685	50,253	57,219	519,925
1997	59,567	55,026	50,614	40,811	33,420	29,208	36,480	34,974	38,294	46,218	50,988	52,681	528,281
1998	59,460	52,156	55,576	42,130	36,042	29,108	34,396	37,442	36,907	41,503	49,580	60,106	534,406
1999	59,090	51,917	46,906	44,967	37,539	30,893	34,694	39,020	37,959	42,364	47,963	58,923	532,235
2000	55,246	53,268	46,307	44,568	37,640	29,195	34,271	42,175	38,675	41,955	49,802	56,663	529,765
2001	51,746	57,555	46,908	43,400	31,228	33,759	35,167	35,720	37,935	46,223	53,185	53,553	526,379
2002	56,198	54,280	54,882	45,136	40,821	34,181	37,567	39,948	39,537	52,667	54,331	58,004	567,552
2003	63,515	61,755	59,196	44,844	33,180	30,414	32,039	42,124	38,187	42,485	53,663	58,577	559,979
2004	64,882	62,065	53,812	40,597	39,800	29,879	35,699	38,309	48,519	50,913	52,911	62,728	580,114
2005	67,373	60,805	52,687	39,354	40,486	36,556	37,885	40,670	36,388	46,264	50,556	58,577	567,601
2006	51,765	66,175	49,967	42,193	31,913	32,226	36,101	35,869	35,716	48,924	60,344	65,646	556,839
2007	65,074	67,153	56,833	50,387	30,028	31,075	40,041	36,122	37,864	48,035	67,778	67,618	598,008
2008	71,532	62,229	56,139	45,183	37,053	34,069	42,601	36,709	41,669	51,278	60,688	67,518	606,668
2009	73,046	63,546	57,327	46,139	37,837	34,790	43,503	37,486	42,551	52,363	61,972	68,946	619,506
2010	78,798	68,550	61,841	49,773	40,817	37,530	46,929	40,438	45,902	56,487	66,853	74,376	668,294
2011	79,335	69,017	62,262	50,112	41,095	37,786	47,248	40,713	46,215	56,872	67,308	74,883	672,846
2012	79,881	69,492	62,691	50,457	41,378	38,046	47,573	40,993	46,533	57,263	67,771	75,398	677,476
2013	80,428	69,968	63,120	50,802	41,662	38,307	47,899	41,274	46,851	57,655	68,235	75,915	682,116
2014	80,992	70,458	63,563	51,159	41,954	38,575	48,235	41,563	47,180	58,060	68,714	76,447	686,900
2015	81,557	70,950	64,006	51,515	42,246	38,844	48,571	41,853	47,509	58,464	69,193	76,980	691,688
2016	82,121	71,441	64,449	51,872	42,539	39,113	48,908	42,143	47,838	58,869	69,672	77,513	696,478
2017	82,714	71,957	64,914	52,246	42,846	39,395	49,261	42,447	48,183	59,294	70,175	78,072	701,504
2018	83,325	72,488	65,394	52,632	43,162	39,686	49,624	42,761	48,539	59,732	70,693	78,649	706,685
2019	83,979	73,057	65,907	53,045	43,501	39,998	50,014	43,096	48,920	60,201	71,248	79,266	712,232
2020	84,640	73,632	66,426	53,463	43,844	40,313	50,408	43,436	49,305	60,675	71,809	79,891	717,842
2021	85,252	74,165	66,906	53,850	44,160	40,604	50,772	43,750	49,662	61,114	72,328	80,468	723,031
2022	85,896	74,725	67,412	54,256	44,494	40,911	51,156	44,080	50,036	61,575	72,874	81,076	728,491
2023	86,563	75,305	67,935	54,678	44,840	41,229	51,553	44,423	50,425	62,054	73,440	81,705	734,150

Projected

Northern Plains Electric

Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	13,573	12,896	10,124	10,384	8,270	8,043	6,938	7,843	8,089	8,196	10,009	12,729	117,094
1972	14,430	15,741	11,313	10,928	8,378	8,332	7,552	8,500	8,155	9,183	11,534	14,373	128,419
1973	14,165	13,951	10,797	10,628	9,787	8,301	8,130	8,632	8,801	8,708	11,905	14,089	127,894
1974	17,144	15,298	12,645	12,916	10,644	9,253	8,659	9,385	9,521	10,579	11,780	14,728	142,552
1975	16,933	17,993	13,888	15,838	10,904	9,696	9,970	9,971	9,883	10,653	12,613	17,063	155,405
1976	19,719	17,487	15,486	13,597	11,038	10,914	9,939	11,170	10,801	11,621	14,760	19,651	166,183
1977	23,072	20,266	14,303	13,435	10,761	10,475	10,648	11,101	10,925	11,722	14,510	19,699	170,917
1978	21,863	22,864	16,636	15,207	11,122	10,961	11,061	12,851	11,222	11,851	15,746	21,505	182,889
1979	24,782	25,587	18,861	17,387	14,488	12,054	11,432	12,414	12,006	11,879	18,289	20,132	199,311
1980	22,938	21,903	19,773	15,729	12,221	12,506	13,121	11,351	11,546	13,396	17,546	20,291	192,321
1981	24,135	22,276	15,699	15,306	12,821	11,534	12,727	14,351	12,796	12,883	17,419	20,826	192,773
1982	26,944	25,826	19,691	18,939	13,935	12,776	12,101	14,077	13,981	14,375	19,689	23,005	215,339
1983	21,045	21,551	17,424	17,433	14,816	12,941	12,824	14,818	14,186	14,783	18,271	23,229	203,321
1984	26,420	22,073	20,015	15,712	14,787	12,325	12,650	15,072	14,423	14,291	22,473	21,466	211,707
1985	26,087	23,871	17,319	16,255	13,214	12,734	12,776	14,785	14,722	16,243	19,160	24,582	211,748
1986	22,826	22,845	18,006	17,158	14,121	12,849	12,808	13,473	13,355	15,272	21,017	21,925	205,655
1987	22,780	21,949	18,556	16,474	12,955	10,277	12,595	14,425	14,602	15,094	18,207	20,321	198,235
1988	23,647	25,032	21,137	17,251	14,812	14,058	14,323	15,023	14,019	14,435	19,975	20,716	214,428
1989	25,651	26,044	21,372	18,773	13,512	13,657	14,471	16,694	13,646	15,428	18,554	24,087	221,889
1990	24,085	24,847	18,617	18,754	15,664	12,494	12,691	15,123	15,640	15,669	19,823	22,465	215,872
1991	30,270	23,645	20,058	18,072	16,084	13,387	12,577	15,823	15,753	17,718	23,073	25,889	232,349
1992	25,022	23,514	19,738	19,092	15,337	13,149	13,081	14,457	18,650	19,075	22,591	25,774	229,480
1993	30,426	25,103	22,457	20,849	15,374	14,597	12,692	14,396	18,885	21,239	23,392	26,480	245,890
1994	33,449	33,581	22,303	20,797	17,642	15,609	15,267	17,219	21,533	20,426	25,049	27,231	270,106
1995	29,633	29,920	25,461	23,723	18,633	17,334	15,876	17,963	19,142	22,416	26,348	30,801	277,250
1996	31,154	33,193	27,727	25,534	19,809	17,109	17,048	17,466	22,167	23,886	29,553	46,770	311,416
1997	36,407	28,324	28,820	22,825	20,279	18,125	20,133	21,349	22,758	26,308	29,584	30,520	305,432
1998	35,063	26,925	29,684	21,572	19,635	18,548	21,378	23,595	20,736	25,547	29,180	33,363	305,226
1999	35,657	26,694	26,373	21,670	19,696	17,798	20,317	21,790	22,580	28,010	27,174	31,271	299,030
2000	34,225	28,047	25,699	22,725	19,443	18,783	20,605	23,891	22,902	23,501	28,895	37,460	306,176
2001	32,347	31,632	28,490	22,430	18,594	18,753	20,479	23,429	20,196	24,325	26,043	31,900	298,618
2002	33,060	27,101	32,198	24,675	21,821	19,227	21,072	23,037	24,290	29,646	32,896	35,054	324,077
2003	36,755	32,654	31,158	22,055	18,756	17,443	19,914	24,280	21,359	24,400	30,783	33,287	312,844
2004	38,823	32,108	29,608	22,761	20,782	18,775	20,017	21,541	28,335	32,062	31,340	36,847	332,999
2005	40,176	31,243	31,307	22,719	21,150	19,448	21,505	23,712	23,225	24,882	29,097	34,122	322,586
2006	32,382	32,942	31,433	21,630	19,970	19,237	22,863	23,288	19,838	27,711	32,564	35,585	319,443
2007	38,202	36,194	30,358	24,383	19,446	19,014	22,196	25,713	23,952	26,693	35,679	41,421	343,251
2008	39,904	34,906	32,386	24,111	21,471	20,180	24,847	22,847	25,108	29,352	33,892	38,489	347,493
2009	40,749	35,645	33,072	24,621	21,925	20,607	25,372	23,330	25,640	29,974	34,609	39,303	354,847
2010	43,958	38,452	35,676	26,560	23,652	22,230	27,371	25,167	27,659	32,334	37,335	42,398	382,792
2011	44,257	38,714	35,919	26,741	23,813	22,381	27,557	25,339	27,847	32,554	37,589	42,687	385,398
2012	44,562	38,980	36,166	26,925	23,977	22,535	27,747	25,513	28,039	32,778	37,848	42,981	388,051
2013	44,867	39,248	36,414	27,110	24,141	22,689	27,937	25,688	28,231	33,003	38,107	43,275	390,710
2014	45,181	39,523	36,669	27,300	24,311	22,848	28,133	25,868	28,429	33,234	38,374	43,579	393,449
2015	45,496	39,798	36,925	27,490	24,480	23,008	28,329	26,048	28,627	33,466	38,642	43,883	396,192
2016	45,812	40,074	37,181	27,680	24,650	23,167	28,525	26,229	28,826	33,698	38,910	44,186	398,938
2017	46,142	40,363	37,449	27,880	24,828	23,334	28,731	26,418	29,034	33,941	39,190	44,505	401,815
2018	46,483	40,661	37,725	28,086	25,011	23,506	28,943	26,613	29,248	34,191	39,480	44,834	404,781
2019	46,848	40,980	38,022	28,306	25,207	23,691	29,170	26,822	29,477	34,460	39,790	45,186	407,959
2020	47,217	41,303	38,321	28,529	25,406	23,878	29,400	27,033	29,710	34,731	40,103	45,542	411,173
2021	47,558	41,602	38,598	28,736	25,589	24,050	29,612	27,229	29,924	34,982	40,393	45,871	414,144
2022	47,917	41,916	38,890	28,953	25,783	24,232	29,836	27,434	30,150	35,247	40,698	46,217	417,273
2023	48,289	42,241	39,192	29,178	25,983	24,420	30,068	27,647	30,385	35,520	41,014	46,576	420,513

Projected

Table III-1

Northern Plains Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Residential	Small Commercial	Large Commercial	Irrigation	Other	Total Sales	Own Use & Losses	Total Energy Requirements
HISTORICAL	1971	92,743	6,033	4,141	227	8,120	111,264	5,829	117,093
	1972	95,261	6,225	4,738	389	8,348	114,961	13,457	128,418
	1973	96,468	6,045	7,210	655	8,335	118,713	9,181	127,894
	1974	107,551	7,262	8,492	518	8,718	132,541	10,011	142,552
	1975	115,351	7,319	10,001	1,210	9,601	143,482	11,922	155,404
	1976	121,051	7,754	10,823	3,097	10,261	152,986	13,196	166,182
	1977	124,645	8,938	12,055	3,161	10,147	158,946	11,971	170,917
	1978	132,956	8,290	13,165	3,417	11,405	169,233	13,653	182,886
	1979	140,411	10,471	16,755	2,453	16,442	186,532	12,780	199,312
	1980	132,733	9,817	19,934	3,748	13,378	179,610	12,711	192,321
	1981	128,587	10,466	20,087	2,531	17,469	179,140	13,633	192,773
	1982	142,249	11,407	25,151	2,469	19,907	201,183	14,155	215,338
	1983	131,924	12,157	25,170	2,446	18,751	190,448	12,873	203,321
	1984	133,540	12,701	30,153	3,201	20,284	199,879	11,829	211,708
	1985	137,552	12,871	28,666	2,856	16,686	198,631	13,118	211,749
	1986	139,086	11,767	28,824	1,832	11,633	193,142	12,514	205,656
	1987	133,827	12,962	29,749	1,858	10,006	188,402	9,834	198,236
	1988	141,457	14,175	32,182	4,155	10,505	202,474	11,954	214,428
	1989	146,011	13,662	32,395	3,221	11,557	206,846	15,043	221,889
	1990	141,818	13,315	33,585	2,517	12,666	203,901	11,969	215,870
	1991	150,999	14,439	37,088	2,918	12,957	218,401	13,948	232,349
	1992	151,231	14,777	35,844	2,737	11,858	216,447	13,032	229,479
	1993	163,272	15,099	39,511	364	12,693	230,939	14,951	245,890
	1994	164,891	15,553	56,767	2,164	14,924	254,299	15,807	270,106
	1995	170,973	16,505	56,730	2,089	15,015	261,312	15,937	277,249
	1996	176,925	18,135	64,699	2,255	15,797	277,811	33,604	311,415
	1997	173,295	17,121	69,025	2,955	33,722	296,118	9,314	305,432
	1998	154,477	16,044	77,305	3,386	35,032	286,244	18,983	305,227
	1999	163,583	15,533	77,285	2,154	25,677	284,232	14,798	299,030
	2000	161,125	15,644	82,021	2,355	23,726	284,871	21,304	306,175
	2001	168,553	16,243	82,605	2,211	16,122	285,734	12,882	298,616
	2002	178,873	16,650	87,711	3,820	20,271	307,325	16,751	324,076
	2003	176,336	17,102	83,853	3,735	15,108	296,134	16,710	312,844
	2004	185,143	17,345	85,423	2,585	21,142	311,638	21,360	332,998
	2005	185,734	17,641	83,899	2,903	20,030	310,207	12,380	322,587
	2006	180,981	18,569	78,196	4,772	18,299	300,817	18,627	319,444
	2007	197,618	19,596	82,101	3,921	17,302	320,538	22,711	343,249
PROJECTED	2008	201,331	19,268	82,454	4,046	20,934	328,033	19,460	347,493
	2009	203,942	19,696	82,806	4,114	24,418	334,976	19,871	354,847
	2010	204,889	20,123	83,159	4,182	49,004	361,357	21,436	382,793
	2011	206,536	20,538	83,512	4,182	49,049	363,817	21,582	385,399
	2012	208,228	20,952	83,865	4,182	49,094	366,321	21,731	388,052
	2013	209,910	21,380	84,219	4,182	49,139	368,830	21,880	390,710
	2014	211,684	21,794	84,572	4,182	49,184	371,416	22,033	393,449
	2015	213,473	22,195	84,926	4,182	49,229	374,005	22,187	396,192
	2016	215,251	22,609	85,279	4,182	49,275	376,596	22,340	398,936
	2017	217,181	22,996	85,633	4,182	49,321	379,313	22,502	401,815
	2018	219,206	23,371	85,987	4,182	49,367	382,113	22,668	404,781
	2019	221,445	23,731	86,341	4,182	49,414	385,113	22,846	407,959
	2020	223,731	24,079	86,695	4,182	49,460	388,147	23,026	411,173
	2021	225,803	24,413	87,049	4,182	49,506	390,953	23,192	414,145
	2022	228,006	24,760	87,404	4,182	49,553	393,905	23,367	417,272
	2023	230,317	25,108	87,758	4,182	49,600	396,965	23,549	420,514

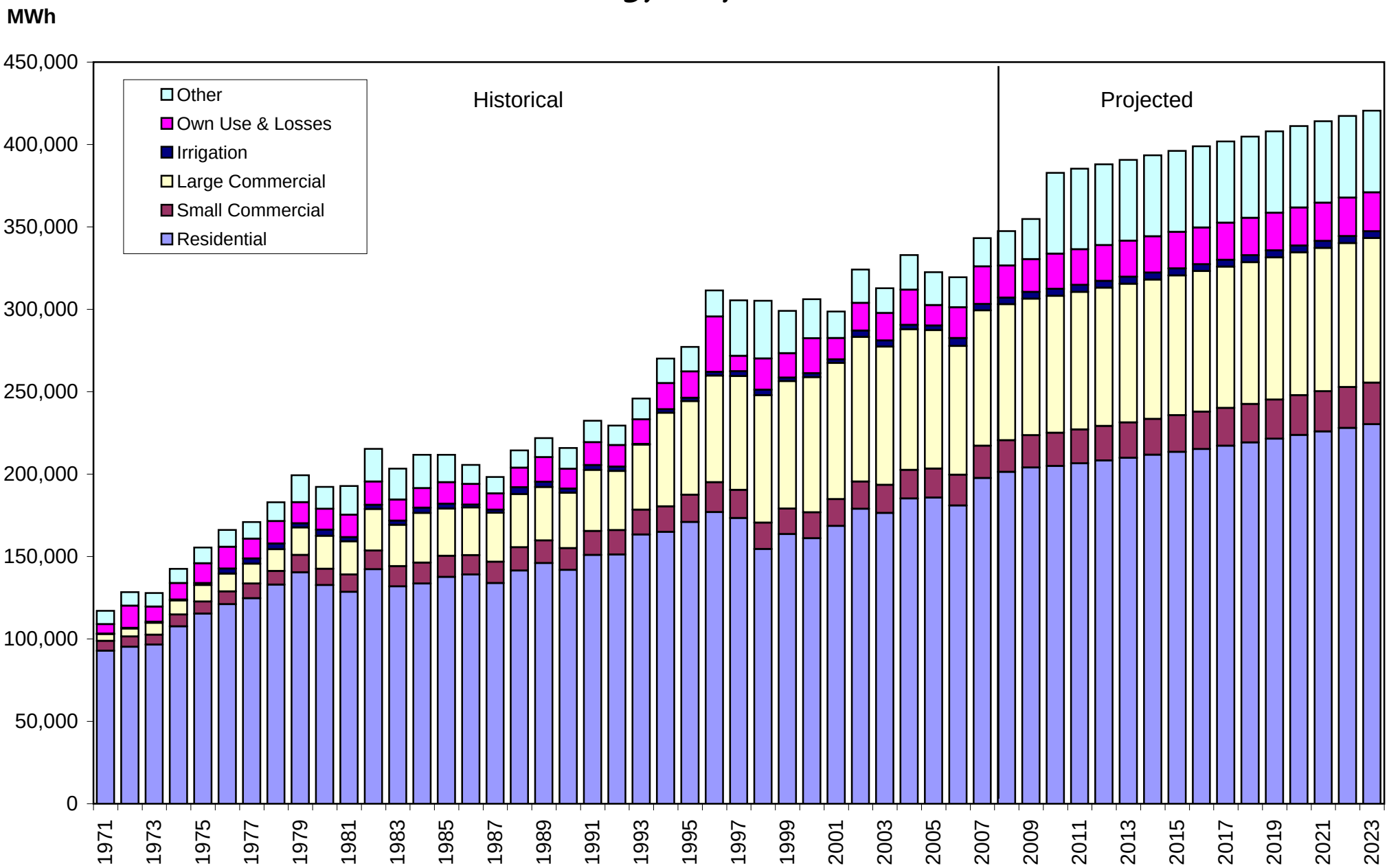
Historical Average Compound Growth Rates:	1971-2007	3.03%	1998-2007	1.31%
Projected Average Compound Growth Rates:	2008-2023	1.28%	2008-2012	2.80%

* Purchases & Losses Reflect a Change to Calendar Billing by Power Supplier

Northern Plains Electric Cooperative

Graph III-1

Annual Energy Requirements



VERENDRYE ELECTRIC

2009 Load Forecast

SUMMARY

Verendrye Electric

Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	30,569	30,036	25,540	25,104	22,151	20,651	20,057	20,599	20,911	22,356	27,141	30,040	295,155
1972	33,854	33,353	30,339	26,075	22,911	21,496	20,410	21,889	22,052	23,983	26,975	32,965	316,302
1973	33,172	30,664	27,927	24,884	24,186	21,933	21,576	22,266	23,406	23,424	30,292	32,906	316,636
1974	35,599	33,387	28,925	30,526	25,688	23,073	23,118	22,876	23,183	24,487	29,868	32,976	333,706
1975	38,059	36,289	31,096	31,804	27,156	24,246	25,263	26,150	25,040	26,304	29,510	37,993	358,910
1976	40,358	35,543	34,848	29,685	26,391	24,183	24,395	25,577	26,248	27,828	31,607	38,815	365,478
1977	40,370	42,212	31,624	30,811	25,298	24,880	26,486	25,082	24,166	27,942	35,149	43,500	377,520
1978	40,900	41,332	35,516	30,597	27,593	26,213	26,532	27,905	27,832	26,804	36,281	39,505	387,010
1979	42,711	41,633	37,666	34,094	29,857	27,222	27,539	26,953	25,046	26,278	32,274	39,018	390,291
1980	41,451	38,711	36,820	31,537	28,040	29,104	29,350	29,141	28,384	30,635	33,312	41,250	397,735
1981	40,625	40,658	32,343	30,206	29,334	28,230	31,972	31,700	31,021	29,775	34,880	39,901	400,645
1982	45,080	43,600	38,275	36,117	30,826	30,762	32,522	33,541	32,504	32,489	40,098	42,945	438,759
1983	40,421	40,571	36,831	36,823	30,757	29,683	33,273	35,030	33,791	33,708	37,176	45,537	433,601
1984	48,716	43,437	38,499	31,771	32,052	28,893	30,401	32,485	32,358	30,103	37,732	38,051	424,498
1985	41,922	43,201	35,685	30,139	27,882	27,156	31,337	31,013	28,983	31,174	39,919	40,485	408,896
1986	39,559	36,732	37,593	33,559	28,248	29,705	31,821	30,796	27,528	30,814	38,432	38,944	403,731
1987	36,508	38,033	33,826	33,451	27,791	31,664	31,478	32,727	27,550	31,156	33,667	36,046	393,897
1988	39,721	38,117	35,915	33,712	28,976	34,782	32,892	35,961	32,283	29,407	36,635	38,999	417,400
1989	41,893	46,378	40,078	35,525	30,985	29,014	36,738	37,978	36,729	31,484	39,520	45,157	451,479
1990	50,077	43,619	35,853	37,781	33,552	31,461	36,507	37,467	36,343	30,996	34,072	42,209	449,937
1991	46,075	41,330	38,188	35,547	31,870	31,938	37,218	34,548	39,206	29,980	38,562	43,857	448,319
1992	42,517	40,737	38,882	34,414	35,862	36,472	33,318	37,295	31,007	31,847	35,749	42,206	440,306
1993	48,047	46,716	43,264	36,678	32,032	32,139	37,612	37,283	34,154	34,775	41,811	46,912	471,423
1994	52,087	50,687	46,913	39,659	37,056	32,916	39,754	39,554	41,569	35,383	40,643	48,123	504,344
1995	49,154	47,415	46,251	40,890	34,518	41,373	40,604	43,941	43,811	36,080	46,804	55,590	526,431
1996	53,829	57,936	51,787	46,247	38,005	39,667	41,085	40,459	42,606	38,038	49,633	54,599	553,891
1997	54,689	50,546	49,856	43,132	37,439	43,895	44,171	44,068	36,178	40,884	48,310	48,767	541,935
1998	56,402	45,391	50,602	40,969	36,740	41,717	43,822	47,039	46,017	40,097	48,521	58,978	556,295
1999	55,708	51,044	46,723	45,478	41,802	42,083	49,620	45,397	42,165	44,205	45,776	55,989	565,990
2000	53,066	50,668	47,401	43,981	40,381	46,330	50,391	51,360	40,981	40,033	50,468	59,839	574,899
2001	53,304	55,903	48,905	46,260	41,583	45,275	52,574	54,867	49,587	46,531	52,537	57,126	604,452
2002	54,268	54,099	52,875	50,555	41,612	50,428	55,870	48,954	46,854	48,916	51,066	59,579	615,076
2003	59,107	59,142	57,617	49,959	40,762	47,952	55,645	59,374	52,315	47,639	55,623	55,283	640,418
2004	63,176	60,581	51,505	45,166	43,899	46,646	55,439	43,444	43,834	45,923	53,301	62,956	615,870
2005	65,852	58,345	53,627	44,957	43,053	54,511	54,438	53,260	51,576	47,675	59,269	64,778	651,341
2006	60,078	70,102	58,458	48,532	47,068	54,203	60,922	61,280	45,917	57,260	70,716	69,287	703,823
2007	73,389	70,955	62,329	57,604	46,001	55,062	69,122	61,525	55,204	51,937	72,606	71,892	747,626
2008	78,640	70,402	64,071	55,551	51,404	57,936	69,324	61,783	55,383	57,275	71,801	74,364	767,934
2009	80,248	71,813	65,356	56,703	52,475	59,139	70,825	62,997	56,560	58,495	73,336	75,954	783,901
2010	81,970	73,350	66,650	58,014	53,795	60,604	73,056	64,338	57,760	59,840	74,903	77,578	801,858
2011	83,339	74,564	67,744	58,951	54,657	61,588	74,265	65,386	58,690	60,807	76,141	78,865	814,997
2012	84,139	75,274	68,383	59,499	55,160	62,164	74,971	65,998	59,233	61,372	76,865	79,617	822,675
2013	85,162	76,180	69,199	60,199	55,804	62,898	75,874	66,781	59,927	62,094	77,789	80,577	832,484
2014	86,195	77,096	70,024	60,906	56,454	63,641	76,786	67,572	60,628	62,823	78,724	81,548	842,397
2015	87,136	77,930	70,775	61,551	57,046	64,317	77,616	68,291	61,267	63,487	79,575	82,432	851,423
2016	88,107	78,792	71,550	62,216	57,657	65,016	78,473	69,035	61,926	64,173	80,453	83,344	860,742
2017	89,078	79,652	72,325	62,880	58,267	65,713	79,330	69,778	62,585	64,859	81,331	84,257	870,055
2018	90,087	80,547	73,131	63,571	58,902	66,438	80,221	70,550	63,269	65,571	82,243	85,204	879,734
2019	91,191	81,525	74,012	64,327	59,597	67,232	81,196	71,395	64,019	66,351	83,242	86,242	890,329
2020	92,335	82,540	74,926	65,110	60,317	68,054	82,205	72,270	64,796	67,159	84,277	87,317	901,306
2021	93,444	83,523	75,811	65,870	61,014	68,852	83,184	73,119	65,548	67,942	85,280	88,359	911,946
2022	94,518	84,475	76,668	66,605	61,690	69,623	84,132	73,941	66,277	68,699	86,250	89,367	922,245
2023	95,574	85,411	77,512	67,328	62,355	70,383	85,065	74,749	66,994	69,446	87,206	90,360	932,383

Projected

Verendrye Electric

Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1971	17,245	16,607	13,459	14,255	11,752	11,440	9,970	11,127	11,308	11,774	13,574	16,413	158,924
1972	17,865	19,052	15,055	14,193	11,543	11,631	10,721	11,699	11,174	12,388	14,680	17,434	167,435
1973	16,952	16,950	13,168	13,082	12,999	11,198	10,759	11,467	11,639	11,518	15,211	16,908	161,851
1974	19,431	17,681	14,711	14,963	12,979	11,724	11,186	12,037	11,940	12,955	13,932	16,672	170,211
1975	18,632	20,145	15,714	17,592	12,943	12,227	12,279	11,985	11,783	13,040	14,594	18,260	179,194
1976	20,409	18,544	16,536	15,450	12,743	12,522	11,518	12,818	12,707	13,186	15,869	20,000	182,302
1977	22,823	20,552	15,434	14,569	12,529	12,240	12,203	12,149	12,981	13,631	16,194	20,736	186,041
1978	22,251	22,795	17,323	16,026	13,045	13,372	12,627	14,118	12,908	13,499	16,595	21,180	195,739
1979	23,307	24,590	18,237	18,156	15,367	13,434	12,871	13,151	12,733	12,710	17,034	18,774	200,364
1980	20,838	20,569	18,988	16,500	13,199	13,621	13,856	13,086	13,353	14,776	17,363	18,703	194,852
1981	21,433	20,771	15,723	16,187	14,444	13,479	14,640	14,893	15,016	14,177	17,423	19,933	198,119
1982	23,947	23,475	18,790	19,298	15,314	15,220	14,112	15,850	15,232	15,451	18,848	22,899	218,436
1983	21,323	22,316	17,054	18,508	15,739	14,748	15,113	16,507	16,142	16,253	19,028	22,432	215,163
1984	24,859	22,100	19,744	17,276	17,076	14,825	15,331	17,060	15,848	15,391	20,779	21,095	221,384
1985	25,142	23,878	17,798	17,196	16,070	15,301	15,107	16,564	16,357	18,064	19,558	24,145	225,180
1986	22,300	22,268	19,000	18,706	15,887	16,030	15,855	15,949	15,451	16,885	20,554	20,585	219,470
1987	21,919	21,095	18,288	18,368	15,893	15,863	15,873	16,699	16,577	16,105	18,762	21,067	216,509
1988	22,280	22,906	22,534	18,268	16,934	18,142	17,321	18,206	17,254	16,621	20,792	20,752	232,010
1989	24,755	25,093	21,182	19,918	16,416	17,758	17,723	19,749	17,408	17,838	20,656	24,313	242,809
1990	23,104	25,533	19,759	20,530	18,448	16,439	17,428	18,316	18,129	16,616	20,009	21,357	235,668
1991	27,018	22,084	19,823	18,596	18,160	17,443	16,908	19,288	19,087	18,575	21,893	24,142	243,017
1992	23,299	23,434	20,299	20,675	19,282	16,992	17,695	19,177	19,394	18,304	21,246	24,308	244,105
1993	27,877	24,740	22,137	21,962	18,290	18,838	17,168	19,572	19,474	19,901	23,044	26,552	259,555
1994	30,664	32,622	21,662	22,061	19,856	19,738	20,018	20,781	22,392	20,704	24,237	26,804	281,539
1995	29,105	28,842	24,796	24,335	19,600	21,336	20,835	23,008	21,159	21,510	26,011	29,570	290,107
1996	29,924	31,558	27,065	26,416	22,254	21,687	21,503	21,572	23,050	21,671	27,126	43,739	317,565
1997	33,332	26,366	27,864	23,442	21,795	22,235	24,331	24,055	22,631	24,442	26,627	28,663	305,783
1998	31,494	25,109	28,023	22,474	21,805	20,903	24,277	25,667	22,866	24,351	27,026	31,307	305,302
1999	33,163	26,636	27,730	24,235	23,243	22,216	24,862	25,519	24,202	26,760	26,169	30,472	315,207
2000	32,632	28,565	27,549	24,959	23,137	22,185	26,123	27,290	24,237	25,837	28,551	36,686	327,751
2001	32,799	31,712	29,663	25,857	23,843	23,064	27,726	29,038	24,261	26,221	27,300	32,947	334,431
2002	33,289	28,480	32,483	26,702	25,355	24,069	28,363	26,753	25,476	28,396	29,799	33,134	342,299
2003	35,080	32,069	31,823	24,966	24,209	24,690	27,251	30,405	25,350	26,465	31,919	33,939	348,166
2004	38,018	32,615	31,028	26,011	24,694	23,505	27,506	24,787	27,745	28,790	29,908	36,233	350,840
2005	39,190	31,574	32,870	26,632	26,696	25,290	27,485	27,629	25,459	28,130	31,934	37,944	360,833
2006	35,892	35,216	35,277	27,394	26,388	26,811	32,893	31,920	27,156	31,692	34,862	39,734	385,235
2007	41,520	39,140	34,128	30,019	26,567	27,600	34,898	32,329	27,755	30,428	36,164	43,707	404,255
2008	44,420	39,359	37,794	31,415	29,273	29,530	35,098	33,300	30,518	33,701	37,797	43,578	425,783
2009	45,243	40,138	38,576	32,002	29,876	30,129	35,789	34,047	31,209	34,459	38,638	44,554	434,660
2010	46,249	41,035	39,441	32,724	30,871	30,810	36,596	34,809	31,913	35,232	39,496	45,549	444,725
2011	47,014	41,707	40,087	33,249	31,373	31,300	37,192	35,368	32,424	35,801	40,135	46,305	451,955
2012	47,461	42,101	40,464	33,555	31,667	31,587	37,541	35,695	32,722	36,133	40,509	46,747	456,182
2013	48,033	42,603	40,947	33,947	32,042	31,953	37,986	36,112	33,103	36,557	40,987	47,312	461,582
2014	48,610	43,111	41,434	34,344	32,421	32,323	38,436	36,534	33,488	36,986	41,470	47,882	467,039
2015	49,136	43,573	41,878	34,704	32,766	32,660	38,846	36,918	33,839	37,377	41,909	48,402	472,008
2016	49,678	44,051	42,336	35,077	33,123	33,008	39,269	37,314	34,201	37,780	42,363	48,938	477,138
2017	50,221	44,528	42,794	35,449	33,479	33,356	39,692	37,711	34,562	38,183	42,817	49,474	482,266
2018	50,785	45,024	43,270	35,835	33,849	33,717	40,132	38,122	34,938	38,601	43,288	50,031	487,592
2019	51,402	45,566	43,791	36,259	34,254	34,113	40,613	38,573	35,350	39,060	43,804	50,641	493,426
2020	52,041	46,129	44,331	36,697	34,674	34,522	41,111	39,040	35,776	39,535	44,339	51,273	499,468
2021	52,661	46,674	44,854	37,123	35,080	34,920	41,594	39,493	36,190	39,995	44,857	51,885	505,326
2022	53,260	47,201	45,361	37,534	35,474	35,304	42,062	39,931	36,590	40,441	45,358	52,478	510,994
2023	53,851	47,720	45,859	37,939	35,862	35,683	42,522	40,362	36,984	40,879	45,852	53,061	516,574

Projected

Table III-1

Verendrye Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Total Residential	Small Commercial	Large Commercial	Irrigation	Other	Total Sales	Own Use & Losses	Total Energy Requirements
HISTORICAL	1971	48,183	9,156	19,462	4	71,500	148,305	10,618	158,923
	1972	52,631	9,757	22,300	21	71,500	156,209	11,226	167,435
	1973	53,026	10,063	20,152	109	71,500	154,850	6,999	161,849
	1974	60,746	10,949	18,041	146	71,500	161,382	8,829	170,211
	1975	67,884	12,698	16,770	373	71,500	169,225	9,968	179,193
	1976	70,237	14,288	14,694	745	71,500	171,464	10,839	182,303
	1977	73,550	16,679	13,865	691	71,500	176,285	9,756	186,041
	1978	78,084	17,130	17,309	611	71,500	184,634	11,103	195,737
	1979	82,207	17,372	16,530	623	72,365	189,097	11,266	200,363
	1980	77,221	19,555	18,313	1,079	68,177	184,345	10,507	194,852
	1981	74,890	22,442	19,601	901	68,860	186,694	11,424	198,118
	1982	82,943	24,569	23,713	781	74,356	206,362	12,074	218,436
	1983	79,552	24,389	25,895	327	74,930	205,093	10,071	215,164
	1984	81,642	26,028	23,820	866	77,139	209,495	11,889	221,384
	1985	84,540	26,616	23,884	573	77,328	212,941	12,237	225,178
	1986	81,882	24,803	24,169	460	77,617	208,931	10,541	219,472
	1987	77,648	24,279	24,898	345	78,683	205,853	10,657	216,510
	1988	83,022	25,561	27,728	1,152	86,367	223,830	8,181	232,011
	1989	84,517	25,634	33,794	1,068	87,298	232,311	10,498	242,809
	1990	81,942	25,776	33,892	756	84,503	226,869	8,800	235,669
	1991	84,268	27,160	35,223	961	82,939	230,551	12,465	243,016
	1992	81,360	26,648	40,133	929	84,564	233,634	10,471	244,105
	1993	87,570	27,278	46,490	456	87,838	249,632	9,924	259,556
	1994	89,521	27,811	62,081	889	88,840	269,142	12,394	281,536
	1995	95,631	29,108	61,519	997	92,586	279,841	10,268	290,109
	1996 *	103,071	30,350	68,196	982	99,039	301,638	15,927	317,565
	1997	100,052	28,475	70,482	1,546	91,773	292,328	13,455	305,783
	1998	97,129	26,404	77,345	2,051	89,894	292,823	12,480	305,303
	1999	99,417	24,726	87,253	1,161	90,275	302,832	12,375	315,207
	2000	103,405	25,767	91,168	1,756	92,167	314,263	13,487	327,750
	2001	107,774	25,812	95,972	1,684	92,710	323,952	10,479	334,431
	2002	115,075	26,762	98,229	1,935	88,673	330,674	11,625	342,299
	2003	118,258	27,417	96,819	2,294	88,713	333,501	14,667	348,168
	2004	119,713	27,377	102,577	2,042	85,147	336,856	13,986	350,842
	2005	125,671	28,522	112,323	1,929	85,771	354,216	6,618	360,834
	2006	130,065	28,580	124,262	2,942	86,691	372,540	12,697	385,237
	2007	141,014	30,300	131,162	3,039	86,301	391,816	12,439	404,255
PROJECTED	2008	141,257	29,972	151,500	2,500	86,500	411,729	14,051	425,780
	2009	143,747	30,068	157,250	2,550	86,700	420,315	14,344	434,659
	2010	146,317	30,231	164,000	2,600	86,900	430,048	14,676	444,724
	2011	147,609	30,432	169,250	2,650	87,100	437,041	14,915	451,956
	2012	148,862	30,767	171,500	2,700	87,300	441,129	15,054	456,183
	2013	151,385	30,965	173,750	2,750	87,500	446,350	15,232	461,582
	2014	153,899	31,229	176,000	2,800	87,700	451,628	15,412	467,040
	2015	155,949	31,483	178,250	2,850	87,900	456,432	15,576	472,008
	2016	158,122	31,770	180,500	2,900	88,100	461,392	15,746	477,138
	2017	160,290	32,060	182,750	2,950	88,300	466,350	15,915	482,265
	2018	162,650	32,352	185,000	3,000	88,500	471,502	16,091	487,593
	2019	165,493	32,649	187,250	3,050	88,700	477,142	16,283	493,425
	2020	168,543	32,943	189,500	3,100	88,900	482,986	16,482	499,468
	2021	171,407	33,242	191,750	3,150	89,100	488,649	16,676	505,325
	2022	174,091	33,540	194,000	3,200	89,300	494,131	16,863	510,994
	2023	176,690	33,838	196,250	3,250	89,500	499,528	17,047	516,575

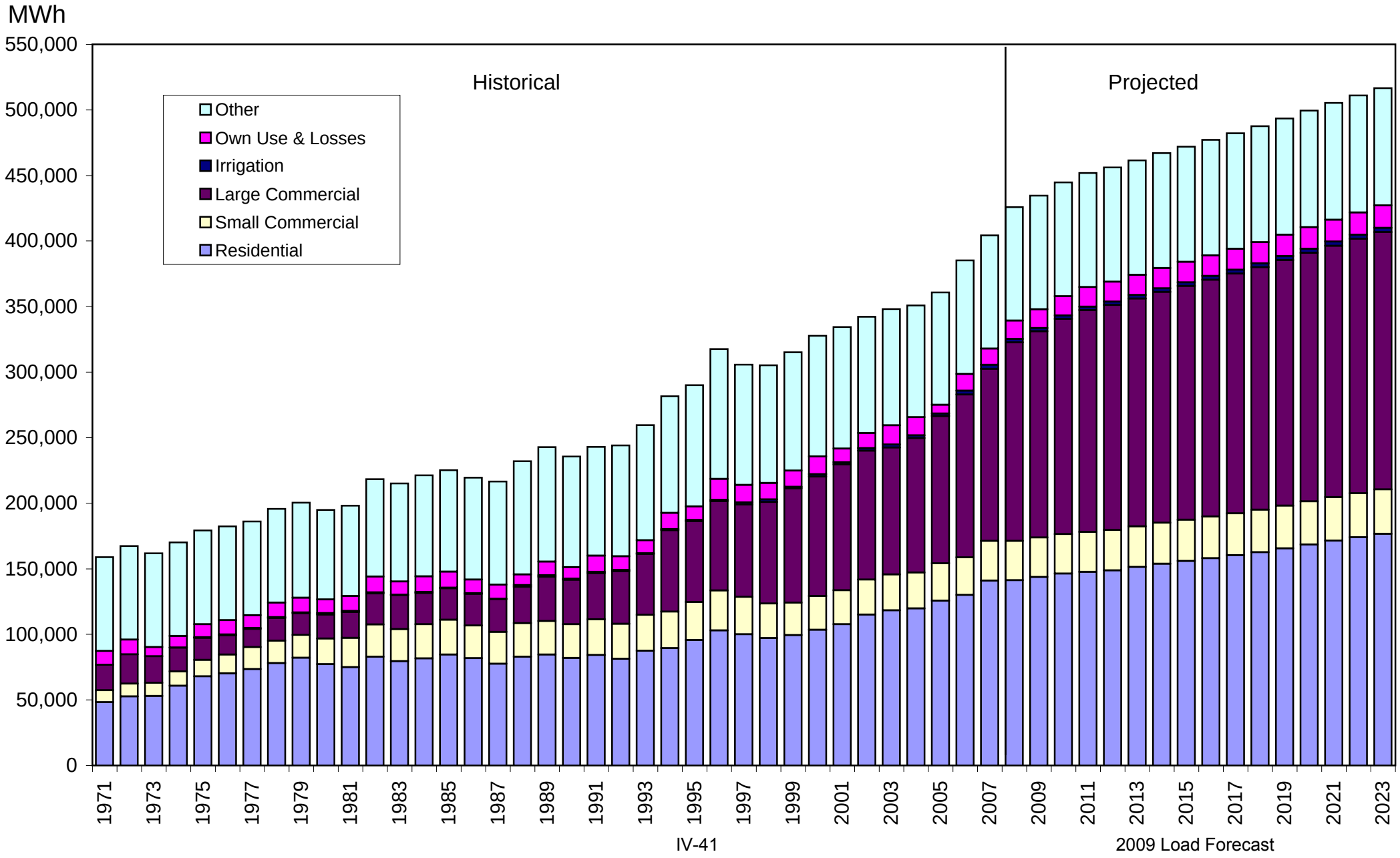
Historical Average Compound Growth Rates:	1971-2007	2.63%	1998-2007	3.17%
Projected Average Compound Growth Rates:	2008-2023	1.30%	2008-2012	1.74%

* Purchases & Losses Reflect a Change to Calendar Billing by Power Supplier

Verendrye Electric Cooperative

Graph III-1

Annual Energy Requirements



2009 Load Forecast

Resolutions

RESOLUTION OF THE BOARD OF DIRECTORS
APPROVING THE 2009 LOAD FORECAST

WHEREAS, Basin Electric Power Cooperative has completed a detailed forecast of total demand and energy requirements for the period of 2008 through 2023.

WHEREAS, the forecast was prepared in accordance with current Rural Utilities Service regulations using reasonable methodologies and assumptions; and

WHEREAS, the Board of Directors of Capital Electric Cooperative, Inc. has reviewed the study and its conclusions.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors of Capital Electric Cooperative, Inc. does hereby adopt and approve the 2009 Load Forecast prepared by Basin Electric Power Cooperative as a reasonable forecast of the future demand and energy requirements for Capital Electric Cooperative, Inc. through the year 2023.

Certificate of Secretary

I, Shelly Peterson, Secretary of Capital Electric Cooperative, Inc. do hereby certify that the above is a true and correct excerpt from the minutes of the meeting of the Board of Directors of Capital Electric Cooperative, Inc. held on February 27, 2009, at which a quorum was present and that the above portion of the minutes has not been modified or rescinded.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the cooperative this 27th day of February, 2009.

Shelly Peterson, Secretary/Treasurer

SEAL

Board Resolution – Approval of the 2009 Load Forecast

Dakota Valley Electric Cooperative

WHEREAS, Basin Electric Power Cooperative has completed a detailed forecast of total demand and energy requirements for Dakota Valley Electric Cooperative for the period of 2008 through 2023;

WHEREAS, the forecast was prepared in accordance with current Rural Utilities Service (RUS) regulations using reasonable methodologies and assumptions;

WHEREAS, the board of directors of Dakota Valley Electric Cooperative, Inc. has reviewed the study and its conclusions;

THEREFORE, BE IT RESOLVED, that the board of directors of Dakota Valley Electric Cooperative, Inc. does hereby adopt and approve the 2009 Load Forecast prepared by Basin Electric Power Cooperative as a reasonable forecast of the future demand and energy requirements for Dakota Valley Electric Cooperative, Inc. through the year 2023.

And that the action taken and/or resolutions adopted as above set out have never been rescinded, altered, amended, modified or appealed, and are of the date hereof in full force and effect.

Certification of Secretary

I, Ronald Kinzler, secretary of Dakota Valley Electric Cooperative, Inc. do hereby certify that the above is a true and correct excerpt from the minutes of the meeting of the board of directors of Dakota Valley Electric Cooperative, Inc. held January 23, 2009, at which a quorum was present.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Dakota Valley Electric Cooperative, Inc. this 23rd day of January, 2009.

Ronald Kinzler

Ronald Kinzler, Secretary

McLean Electric Cooperative, Inc.
Board Resolution
Approval of the 2009 Load Forecast

WHEREAS, Basin Electric Power Cooperative has completed a detailed forecast of total demand and energy requirements for the period of 2008 through 2023;

WHEREAS, the forecast was prepared in accordance with current Rural Utilities Service regulations using reasonable methodologies and assumptions; and

WHEREAS, the Board of Directors of McLean Electric Cooperative, Inc. has reviewed the study and its conclusions;

THEREFORE, BE IT RESOLVED, that the Board of Directors of McLean Electric Cooperative, Inc. does hereby adopt and approve the 2009 Load Forecast prepared by Basin Electric Power Cooperative as a reasonable forecast of the future demand and energy requirements for McLean Electric Cooperative, Inc. through the year 2023.

And that the action taken and/or resolutions adopted as above set out have never been rescinded, altered, amended, modified or repealed, and are of the date hereof in full force and effect.

I, Agnes Jennings, Secretary of McLean Electric Cooperative, Inc. do hereby certify that the above is a true and correct excerpt from the minutes of the meeting of the Board of Directors of the McLean Electric Cooperative, Inc. held on November 25, 2008, at which a quorum was present.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the McLean Electric Cooperative, Inc. this 25th day of November, 2008.

Agnes Jennings, Secretary

Verendrye Electric Cooperative

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1225 Highway 2 Bypass E. ▪ Minot, ND 58701-7927 701-852-0406
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E-mail: rec@verendrye.com ▪ Website: www.verendrye.com

Verendrye Electric Cooperative, Inc.
Board Resolution
Approval of the 2009 Load Forecast

WHEREAS, Basin Electric Power Cooperative has completed a detailed forecast of total demand and energy requirements for the period of 2008 through 2023;

WHEREAS, the forecast was prepared in accordance with current Rural Utilities Service regulations using reasonable methodologies and assumptions; and

WHEREAS, the Board of Directors of Verendrye Electric Cooperative, Inc. has reviewed the study and its conclusions;

THEREFORE, BE IT RESOLVED, that the Board of Directors of Verendrye Electric Cooperative, Inc. does hereby adopt and approve the 2009 Load Forecast prepared by Basin Electric Power Cooperative as a reasonable forecast of the future demand and energy requirements for Verendrye Electric Cooperative, Inc. through the year 2023.

And that the action taken and/or resolutions adopted as above set out have never been rescinded, altered, amended, modified or repealed, and are of the date hereof in full force and effect.

I, Ralph Birdsall, Secretary of Verendrye Electric Cooperative, Inc. do hereby certify that the above is a true and correct excerpt from the minutes of the meeting of the Board of Directors of the Verendrye Electric Cooperative, Inc. held on September 25, 2008, at which a quorum was present.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Verendrye Electric Cooperative, Inc. this 25th day of September, 2008

Ralph Birdsall, Secretary