



Central Power Electric Cooperative, Inc.

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June 3, 2024

Mr. Steve Kahl
Executive Secretary
North Dakota Public Service Commission
600 East Boulevard Avenue
Department 408
Bismarck, ND 58505-0480

Dear Mr. Kahl:

Please find Central Power Electric Cooperative's Ten Year Plan attached as required for Public Service Commission review. Feel free to contact me at 701-837-7421 or on my cell phone at 701-721-1421 with any questions or concerns.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Mark Sherman', with a long horizontal flourish extending to the right.

Mark Sherman, P.E.
Manager of Operations & Engineering

Enclosures

CENTRAL POWER ELECTRIC COOPERATIVE, INC.

TEN YEAR PLAN

2024

**SUBMITTED TO THE
NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

**Central Power Electric Cooperative, Inc.
525 20th Avenue Southwest
Minot, ND 58701
(701) 852-4407**

INTRODUCTION

Central Power Electric Cooperative, Inc. respectfully submits this ten-year plan to the North Dakota Public Service Commission in accordance with the format guidelines issued in November, 1979, and as required by Section 49-22-04 of the North Dakota Century Code.

Central Power is a wholesale transmission cooperative that serves all of the power supply needs of six North Dakota rural electric distribution cooperatives. Central Power has a contract with the Western Area Power Administration (WAPA) for approximately one-tenth of Central's power supply and an all requirements contract with Basin Electric Power Cooperative, Inc. for all power supply requirements over and above the power supplied by WAPA.

Should the Commission require any additional information regarding this ten year plan, Central Power stands ready to furnish whatever further information is required.

SECTION A – Existing Energy Conversion Facilities

Central Power does not own or operate any energy conversion facility.

SECTION B – Energy Conversion Facilities Under Construction

Central Power does not have any energy conversion facility under construction.

SECTION C – Proposed Energy Conversion Facilities on Which Construction is Intended Within the Ensuing Five Years

Central Power does not have any plans to construct an energy conversion facility.

SECTION D – Proposed Energy Conversion Facilities During the Next Ten-Year Time Period

Central Power has not proposed any energy conversion facilities for the next ten-year period.

SECTION E – Existing Transmission Facilities (Electric)

1. The North Dakota Public Service Commission format guidelines issued in November, 1979 require that we submit a copy of FERC Form 12. Central Power was not previously required to file a FERC Form 12 and the information previously found on Form 12 is now contained in FERC Form 715.

Central Power receives approximately one-tenth of our power supply from the Western Area Power Administration (WAPA) and we are an all requirements member of Basin Electric Power Cooperative, Inc. for all power supply requirements over and above the power supplied by WAPA. As a result of our Basin membership, Basin performs bulk transmission system planning and reporting, in cooperation with WAPA, on Central Power's behalf. FERC staff has confirmed that Central Power is not expected to file a Form 715 directly as long as Basin and WAPA continue to plan and file on our behalf.

2. Central Power has five transmission facilities in excess of 115 kV:

<u>Facility</u>	<u>In Service Date</u>
Harvey 230 kV Substation	December 2, 1986
Underwood 230 kV Substation	December 4, 1981
Wilton Wind 230kV Transmission Line	December 3, 2005

Equipment in Foreign Substations
Hankinson 230 kV Substation (Otter Tail)

In Service Date
October 1, 1984

Equipment in Jointly Owned Substations
Ward 230kV Substation (WAPA)

In Service Date
February 2006

3. Central Power has no plans to retire any existing transmission facilities within the next ten-year period.

SECTION F – Existing Transmission Facilities (Pipeline)

Not applicable to Central Power

SECTION G – Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years (Electric)

Central Power does not plan to construct any transmission facilities in excess of 115kV in the next five years.

SECTION H – Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years (Pipeline)

Not applicable to Central Power.

SECTION I – Proposed Transmission Facilities During the Next Ten-Year Time Period (Electric and Pipeline)

Central Power has no proposed transmission facilities in excess of 115-kV.

SECTION J – Regional Coordination

1. Central Power is a preference power customer of the Western Area Power Administration (WAPA) and a member of Basin Electric Power Cooperative. Central holds an all-requirements contract with Basin Electric for power supply above the amount provided by WAPA. Central is thus relieved of the responsibility for power generation and is able to benefit from Basin's and WAPA's comprehensive network of 115-kV, 230-kV, and 345-kV transmission facilities used in the delivery of power to Central's facilities.

Central Power, through its membership in Basin Electric and its association with WAPA, participates in the regional power supply network, and has worked with Basin and WAPA to help develop their outstanding record of regional power supply and transmission planning with all electric utilities serving the area. Central Power's cooperation with its power suppliers assures maximum coordination with the Department of Energy, Montana

Dakota Utilities Company, Otter Tail Power Company, and the members of the Southwest Power Pool, Inc. (SPP).

2. Central Power works with Basin Electric Power Cooperative – Central Power’s all supplemental requirements power supplier – in reviewing power planning arrangements and assisting with the preparation of forecasts of Central Power’s future load requirements.
3. Proposed facilities would be those that meet criteria to serve Central Power’s six distribution members from a generation and transmission network that has been developed as a regional plan. Future facilities would be designed to utilize parts of other electrical utility systems, as well as Central Power-owned facilities. The other electrical systems are as follows:

Basin Electric Power Cooperative
Western Area Power Administration
Montana Dakota Utilities Company
Xcel Energy (Northern States Power Company)
Otter Tail Power Company

4. Central Power recognizes that the cost and construction difficulties associated with new facilities make coordinated planning as important now as at any time in the past. We would recommend that long range planning continue to include input from and cooperation between all utilities, industry, state planning agencies and state regulatory agencies.

SECTION K – Environmental Information

1. Central Power’s environmental awareness has greatly influenced and shaped the methods used in planning, routing and locating the facilities built by the cooperative. Central Power has long been concerned with the impact of its facilities on the environment and on the people in our service area, who are for the most part our member-owners.

Central Power has developed methods of line routing, procedures for public meetings and construction practices that closely follow the guidelines for transmission line routing and facility siting developed under the North Dakota Plant and Transmission Siting Act, and utilizes these guidelines as are relevant for 43.8-kV, 60-kV, 69-kV and 115-kV facilities that do not come under the requirements of this Act. Central Power will follow the requirements of the guidelines in the planning, routing and construction of all facilities in excess of 115-kV. In this endeavor, Central Power will employ its own personnel, reference advice from the North Dakota Public Service Commission, utilize advice and help from Basin Electric and utilize the help of hired expert consultants to meet all of the requirements of this Act.

SECTION L – Projected Demand for Service

1. Central Power’s historical peak loads are shown in the following table. Central Power is a winter peaking utility and the table therefore represents peaks from each winter season.

Historical Annual Peak Demand

Winter Season	Peak (MW)	Annual Year to Year Growth %	Cumulative Overall Growth %
2012/13	377.4	0.0%	0.0%
2013/14	479.3	27.0%	27.0%
2014/15	463.7	-3.3%	22.9%
2015/16	436.4	-5.9%	15.6%
2016/17	466.3	6.9%	23.6%
2017/18	463.6	-0.6%	22.8%
2018/19	483.3	4.2%	28.1%
2019/20	455.7	-5.7%	20.7%
2020/21	481.8	5.7%	27.7%
2021/22	476.4	-1.1%	26.2%

*The 2013/14 load values are skewed, when compared to prior years, by the fact that Capital Electric Cooperative became a fully consolidated member of Central Power on January 1, 2014 and began purchasing 100% of their power from Central Power instead of 25% of their power in previous years. As a comparison, if Capital Electric’s 2013/14 purchases were reduced by 75% to their pre-2014 purchase levels, Central Power’s peak would have been 421.2 MW which would have resulted in an 11.6% Annual Year to Year Growth percentage.

All United States Department of Agriculture - Rural Utilities Service (RUS) electric distribution and power supply borrowers must conduct Load Forecasts which are used in engineering and financial studies, including long-range planning, system work plans, rate studies, financial forecasts, and any studies in support of loan applications. Central Power’s 2024 Update of the 2023 Load Forecast was prepared in accordance with RUS general guidelines and the procedures specified in the Load Forecast work plan submitted to and approved by RUS.

The Load Forecast was conducted according to consumer classification, including residential, oil related commercial, irrigation, small commercial and industrial (50 KVA or less), large commercial and industrial (larger than 50 KVA), public building, residential-seasonal, security lights, public streets and

highway lighting. Future kWh usage per average consumer is projected for each classification and based on an econometric model that was developed taking into consideration factors that statistical and economic analysis indicates has historically influenced Central Power member's load.

The total projected usage for each consumer classification is obtained from the result of the projected consumer and average use per consumer. The cooperatives' total power requirements are then calculated based on the individual consumer classification totals.

Projected Annual Peak Demand

Winter Season	Projected Peak (MW)
2022/23	482.2
2023/24	487.6
2024/25	491.6
2025/26	494.8
2026/27	498.5
2027/28	510.0
2028/29	512.8
2029/30	518.4
2031/31	521.0
2031/32	524.2

2. Central will continue to meet its projected peak demands through the purchase of power from the Western Area Power Administration and from Basin Electric.
3. Central's load centers are the distribution substations that serve the distribution needs of its members.



2024 UPDATE

OF THE 2023 LOAD FORECAST

2024 Update

Of the 2023 Load Forecast

*Central Power Electric
Power Cooperative*

Introduction

INTRODUCTION

The purpose of the 2024 Update of the 2023 Load Forecast (2024 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

Up until January 1st of 2014, Capital Electric obtained approximately 26 percent of its total power requirements from Central Power; remaining power requirements were purchased from the Western Area Power Administration and Basin Electric Power Cooperative. As of January 1st of 2014, 100 percent of Capital Electric's total power requirements are obtained from Central Power. This change is reflected in the historical data and in Central Power's forecast and power supply numbers.

This Load Forecast was prepared in accordance with the Rural Utilities Service (RUS) general guidelines and the procedures specified in the 2024 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 2024 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 2023 through 2050. 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.

The 2024 Load Forecast is a weather normalized forecast. As a result, temperature extremes and extended periods of hot, cold, wet, and/or dry weather conditions can cause deviations from weather normalized demand and energy forecasts. Basin electric has done analysis that would suggest these weather deviations could amount to a 10 percent deviation in the demand forecasts and potentially lower variations in energy forecasts. Prudent planning for extreme weather events should be considered when using this forecast.

Summary and Comparison Graphs

Three graphs were developed to summarize and compare the results of the 2024 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.

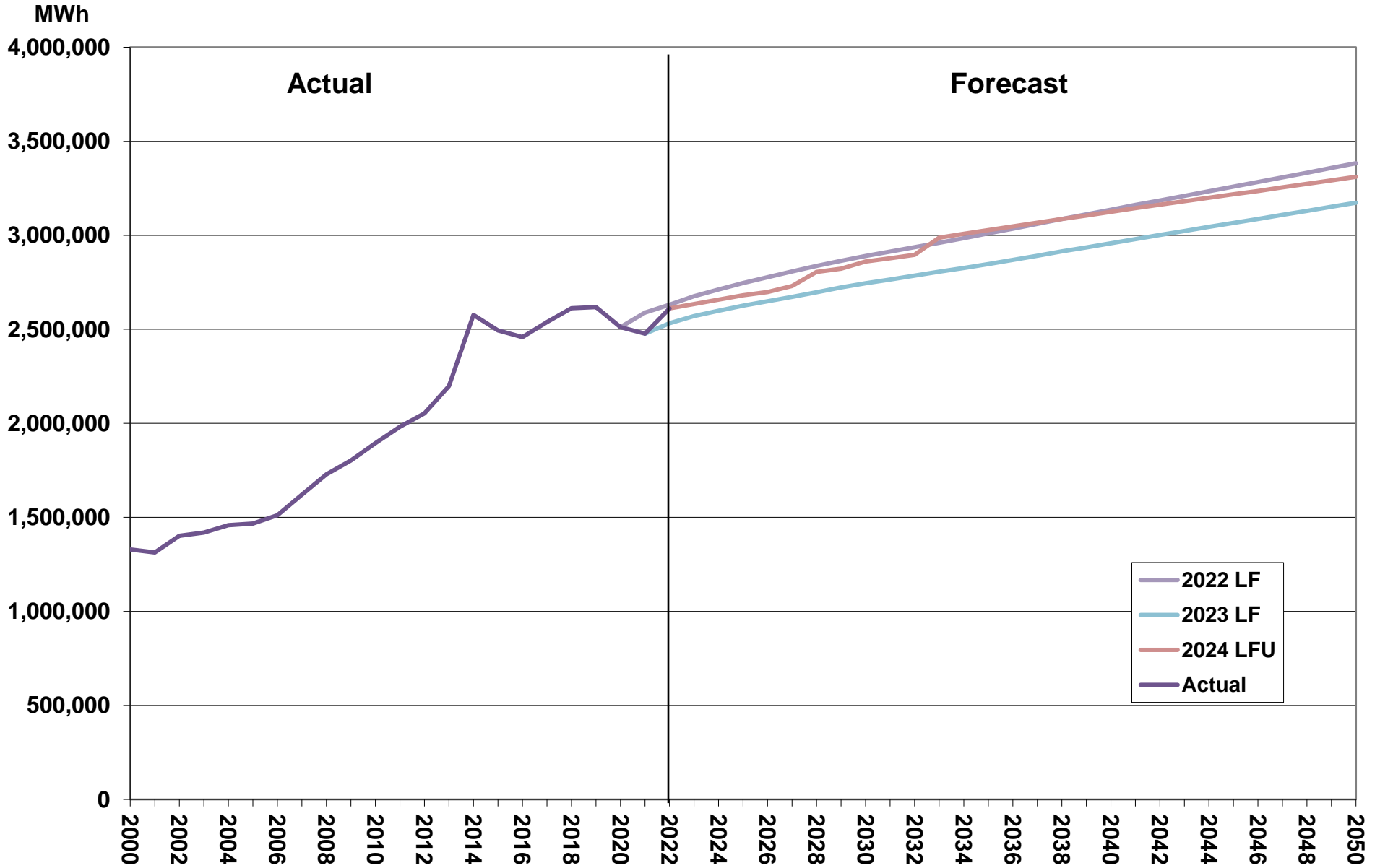
COMPARISONS

2024 Load Forecast

Central Power

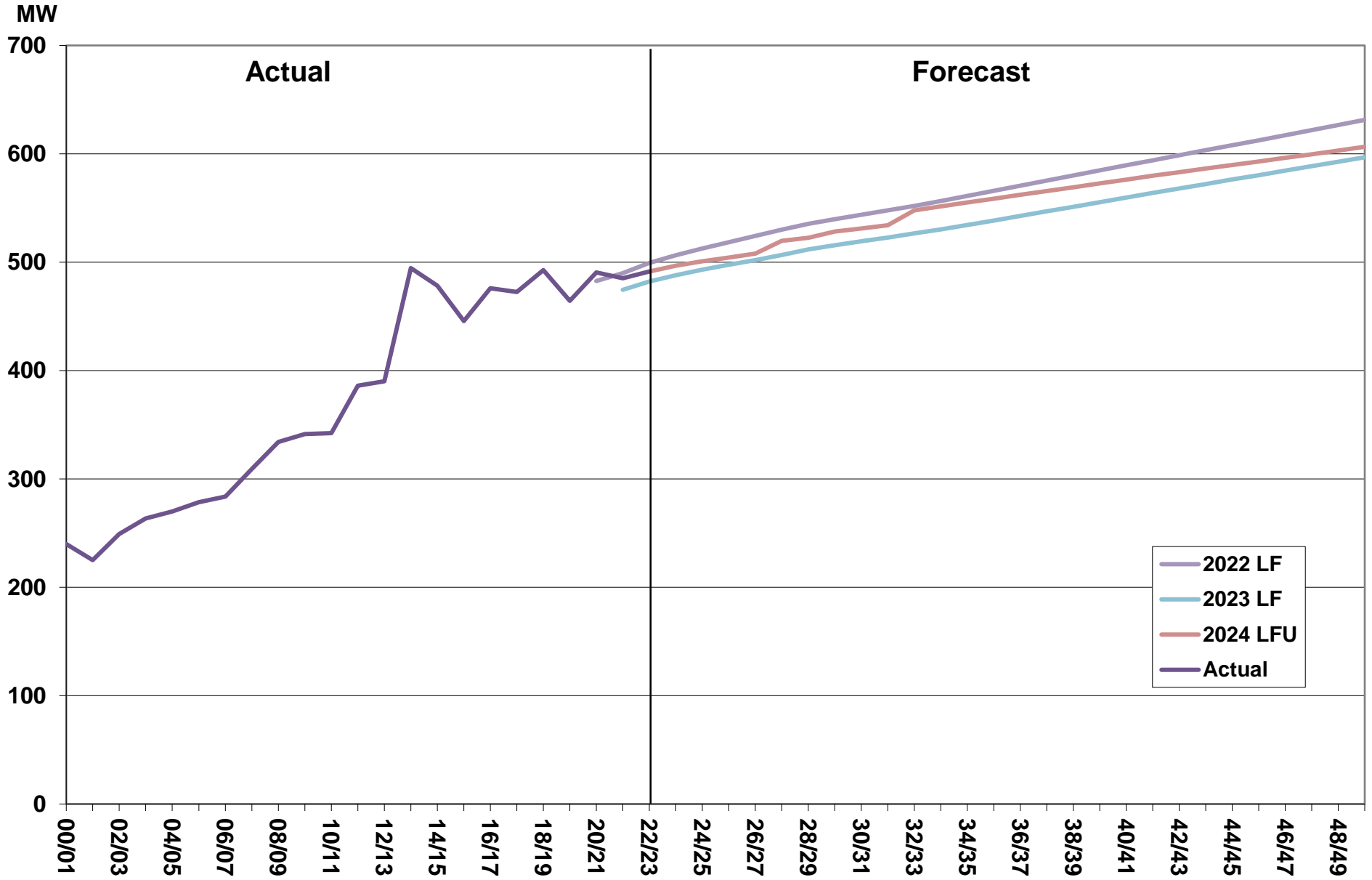
Central Power Total Energy Requirements

Graph A



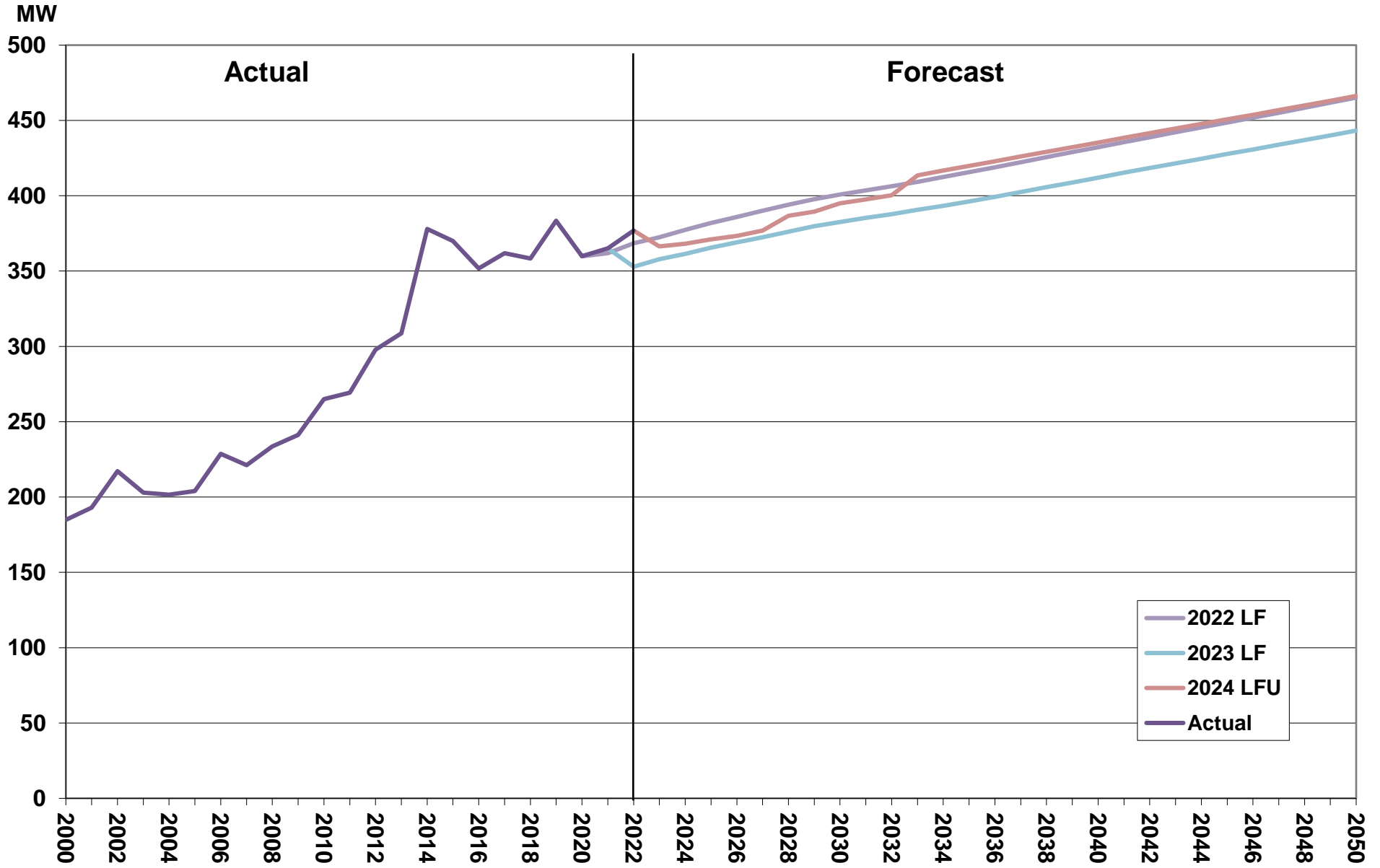
Central Power Peak Demand Winter Season

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.

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 0.85 percent over the 2023 to 2050 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 41 percent of the members' total energy requirements in 2022. The residential sales are projected to increase at an average compound growth rate of 1.19 percent between 2023 and 2050.

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 14,414 between 2023 and 2050. This represents an average annual compound growth rate of 0.80 percent between 2023 and 2050. 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.

The distribution member forecasts are forecasts of annual energy requirements by category. To translate the annual energy requirements into monthly energy and demand needs, two econometric models were developed to distribute this correctly.

The first model uses historical monthly energy purchases along with actual weather patterns to determine the monthly per unit purchase pattern. This purchase pattern is applied to the annual energy forecast to develop a monthly energy forecast. The second model was used to develop a monthly demand forecast where an econometric model is fitted through the historical load factors. The resultant load factor pattern is applied to the monthly energy forecast to determine the monthly demand forecast.

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. Central Power bills its members on a coincident basis so all values shown in these tables are coincident demands.

Central Power

Energy Sales To Members (MWh)

Table 1

Year	Dakota			North	Northern	Verendrye	Total
	Capital	Valley	McLean	Central	Plains		
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	70,112	468,665	101,202	224,672	363,374	437,114	1,665,139
2009	73,837	473,957	106,392	234,747	394,930	452,461	1,736,324
2010	77,153	518,466	108,464	239,635	417,537	470,995	1,832,250
2011	79,155	558,309	111,803	245,023	421,675	504,699	1,920,664
2012	81,147	569,725	117,606	254,164	435,205	531,277	1,989,124
2013	89,609	615,825	133,442	274,345	446,527	571,758	2,131,506
2014*	339,705	624,021	142,476	288,151	482,639	615,531	2,492,523
2015	343,953	631,806	132,920	261,517	459,913	588,743	2,418,852
2016	353,042	648,479	131,664	232,121	457,508	587,986	2,410,800
2017	365,999	674,379	135,421	247,087	466,142	601,643	2,490,671
2018	386,063	688,832	138,407	258,569	480,554	613,837	2,566,262
2019	387,086	684,131	140,558	267,151	473,894	618,704	2,571,524
2020	386,660	650,598	137,609	233,976	468,841	590,492	2,468,176
2021	393,005	682,878	136,347	233,844	416,610	572,373	2,435,057
2022	410,816	699,060	142,843	258,657	449,582	605,817	2,566,775
2023	416,676	684,811	141,634	258,520	462,209	624,098	2,587,948
2024	426,218	686,788	142,748	255,541	455,926	643,318	2,610,539
2025	435,973	688,187	143,737	252,458	458,528	654,543	2,633,426
2026	445,751	687,883	144,373	249,502	461,279	662,272	2,651,060
2027	455,803	688,477	145,086	246,560	463,958	682,063	2,681,947
2028	466,153	688,829	145,823	243,910	466,846	744,783	2,756,344
2029	476,749	689,210	146,660	242,067	469,942	747,771	2,772,399
2030	486,796	690,331	147,451	240,857	472,572	771,731	2,809,738
2031	497,093	691,254	148,302	239,455	475,094	775,245	2,826,443
2032	507,309	692,841	149,267	238,446	477,739	779,329	2,844,931
2033	517,847	694,302	150,345	237,706	480,567	853,572	2,934,339
2034	528,315	696,043	151,486	237,703	483,591	857,913	2,955,051
2035	538,886	697,525	152,586	237,097	486,178	862,111	2,974,383
2036	549,374	699,250	153,635	236,376	488,733	866,514	2,993,882
2037	560,053	700,660	154,649	235,898	491,466	870,657	3,013,383
2038	570,756	702,092	155,634	235,199	494,132	874,639	3,032,452
2039	581,425	703,752	156,640	234,637	496,086	878,229	3,050,769
2040	592,316	704,830	157,605	234,220	498,801	881,874	3,069,646
2041	603,390	706,440	158,581	233,616	501,269	885,478	3,088,774
2042	614,441	707,763	159,553	233,119	503,779	888,667	3,107,322
2043	625,656	709,334	160,503	232,250	505,798	891,987	3,125,528
2044	636,850	710,544	161,414	231,372	507,984	895,279	3,143,443
2045	648,336	711,914	162,304	230,479	510,196	898,294	3,161,523
2046	659,860	713,157	163,189	229,339	511,896	901,198	3,178,639
2047	671,609	714,662	164,092	228,638	514,092	903,961	3,197,054
2048	683,517	715,799	164,989	227,822	516,175	906,825	3,215,127
2049	695,699	717,298	165,897	227,475	517,776	909,634	3,233,779
2050	708,036	718,489	166,778	227,037	519,847	912,420	3,252,607
							Projected

*Capital Electric changed from purchasing 25% of requirements from Central Power to 100%

Central Power

System Energy Requirements By Consumer Classification (MWh)

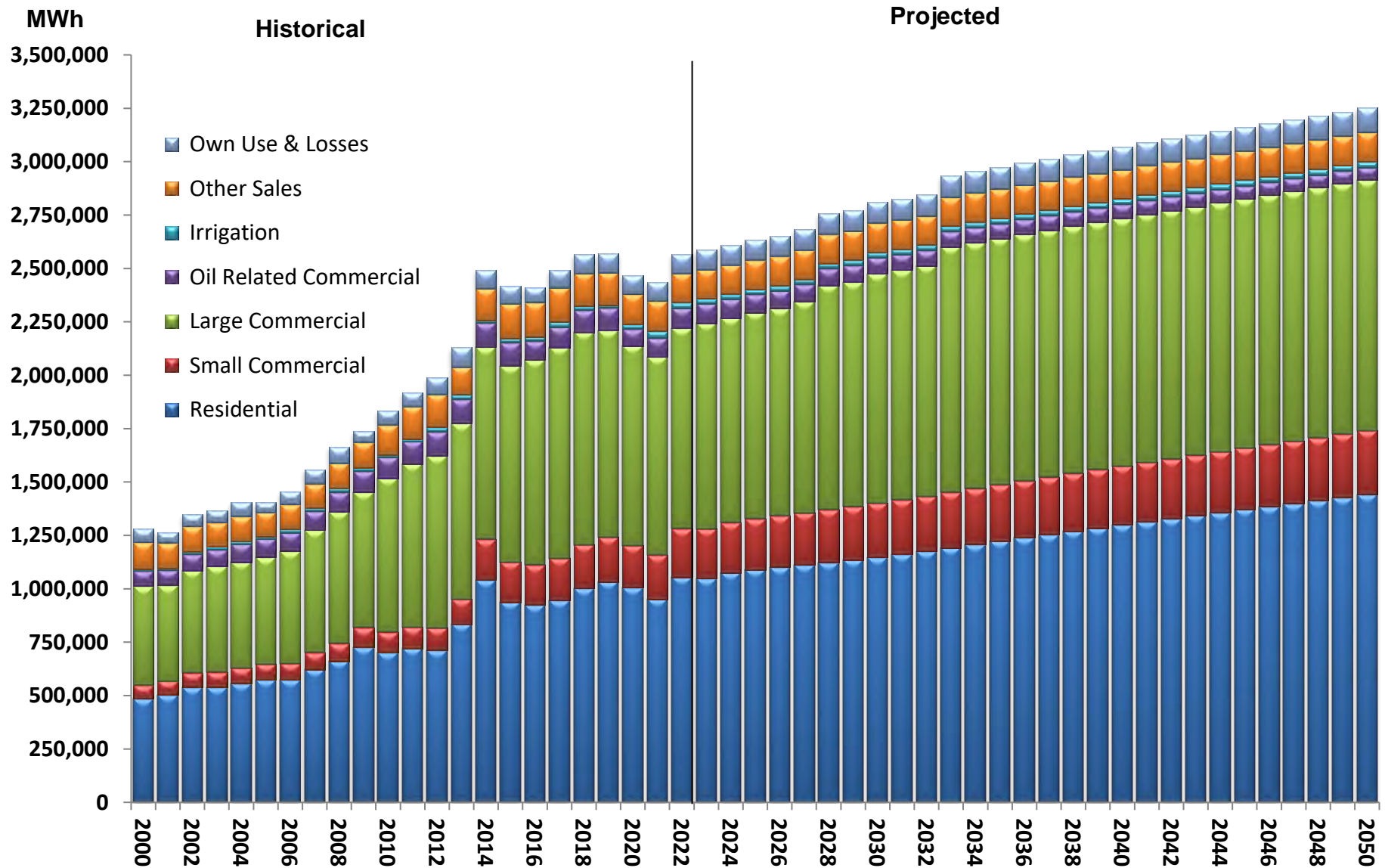
Table 2

Year	Residential	Small Commercial	Large Commercial	Oil Related	Irrigation	Other Sales	Own Use & Losses	Total Energy Requirements
2000	485,486	62,902	465,226	70,176	9,457	125,530	62,597	1,281,374
2001	503,279	65,127	448,654	69,396	10,405	118,329	50,030	1,265,220
2002	537,417	67,272	480,316	77,305	12,860	118,617	54,873	1,348,660
2003	538,838	70,235	495,056	79,363	13,639	113,394	56,074	1,366,599
2004	557,249	70,940	496,260	85,763	12,238	115,944	64,674	1,403,068
2005	573,434	73,532	500,260	86,045	9,460	115,624	47,275	1,405,630
2006	574,104	75,998	526,072	85,631	17,441	114,604	60,366	1,454,216
2007	621,304	79,949	574,650	87,711	13,845	113,518	68,084	1,559,061
2008	660,461	83,623	616,577	91,635	17,101	118,725	77,017	1,665,139
2009	727,639	89,586	634,885	98,200	13,512	121,502	51,000	1,736,324
2010	702,617	94,609	720,317	98,658	11,152	140,337	64,560	1,832,250
2011	720,446	99,096	765,476	106,704	7,733	153,674	67,535	1,920,664
2012	711,467	104,744	805,452	114,221	20,180	154,345	78,715	1,989,124
2013	833,610	116,591	824,165	113,217	19,698	130,979	93,246	2,131,506
2014	1,040,622	191,375	898,741	114,970	12,510	148,276	86,028	2,492,522
2015	936,435	187,833	918,946	109,103	20,556	161,913	84,069	2,418,855
2016	924,380	187,948	958,268	90,040	19,212	160,454	70,497	2,410,799
2017	944,128	197,816	987,254	96,831	25,325	158,583	80,736	2,490,673
2018	1,001,677	204,036	993,811	104,519	18,614	155,285	88,324	2,566,266
2019	1,032,832	208,589	968,087	106,099	12,259	153,098	90,555	2,571,519
2020	1,005,754	196,000	935,849	79,220	20,044	143,040	88,274	2,468,181
2021	950,210	208,869	926,337	89,046	31,442	141,597	87,554	2,435,055
2022	1,053,188	227,972	938,048	95,054	25,770	136,330	90,413	2,566,775
2023	1,048,840	231,445	962,902	92,232	23,008	136,492	93,032	2,587,951
2024	1,074,833	234,573	958,479	88,751	23,194	136,492	94,216	2,610,538
2025	1,089,543	237,659	965,310	86,064	23,381	136,492	94,975	2,633,424
2026	1,100,823	240,659	970,328	83,615	23,567	136,492	95,579	2,651,063
2027	1,111,168	243,706	989,386	81,278	23,754	136,492	96,165	2,681,949
2028	1,122,635	246,616	1,050,895	78,968	23,942	136,492	96,796	2,756,344
2029	1,135,401	249,377	1,052,414	77,073	24,128	136,492	97,510	2,772,395
2030	1,147,919	251,983	1,074,887	75,906	24,315	136,492	98,242	2,809,744
2031	1,161,310	254,549	1,076,303	74,304	24,501	136,492	98,983	2,826,442
2032	1,176,234	256,996	1,077,737	72,977	24,688	136,492	99,811	2,844,935
2033	1,191,701	259,467	1,149,326	71,801	24,876	136,492	100,681	2,934,344
2034	1,207,867	261,892	1,150,794	71,326	25,062	136,492	101,622	2,955,055
2035	1,223,251	264,253	1,152,301	70,344	25,249	136,492	102,493	2,974,383
2036	1,238,846	266,575	1,153,805	69,361	25,435	136,492	103,368	2,993,882
2037	1,254,320	268,829	1,155,231	68,641	25,622	136,492	104,246	3,013,381
2038	1,269,589	271,060	1,156,689	67,716	25,810	136,492	105,103	3,032,459
2039	1,283,947	273,249	1,158,125	67,037	25,996	136,492	105,925	3,050,771
2040	1,298,842	275,408	1,159,560	66,381	26,183	136,492	106,777	3,069,643
2041	1,314,083	277,593	1,160,981	65,618	26,369	136,492	107,638	3,088,774
2042	1,328,615	279,853	1,162,403	64,933	26,556	136,492	108,478	3,107,330
2043	1,343,036	282,140	1,163,815	64,010	26,743	136,492	109,294	3,125,530
2044	1,357,147	284,424	1,165,228	63,125	26,930	136,492	110,095	3,143,441
2045	1,371,493	286,750	1,166,574	62,193	27,117	136,492	110,905	3,161,524
2046	1,385,061	289,098	1,168,014	61,004	27,303	136,492	111,668	3,178,640
2047	1,399,347	291,505	1,169,416	60,306	27,490	136,492	112,497	3,197,053
2048	1,413,453	293,959	1,170,798	59,444	27,677	136,492	113,307	3,215,130
2049	1,427,483	296,520	1,172,230	59,044	27,864	136,492	114,146	3,233,779
2050	1,441,698	299,140	1,173,616	58,615	28,051	136,492	114,994	3,252,606

Projected

Central Power Members Energy Requirements and Usage

Graph 2



Central Power

Number of Residential Consumers

Table 3

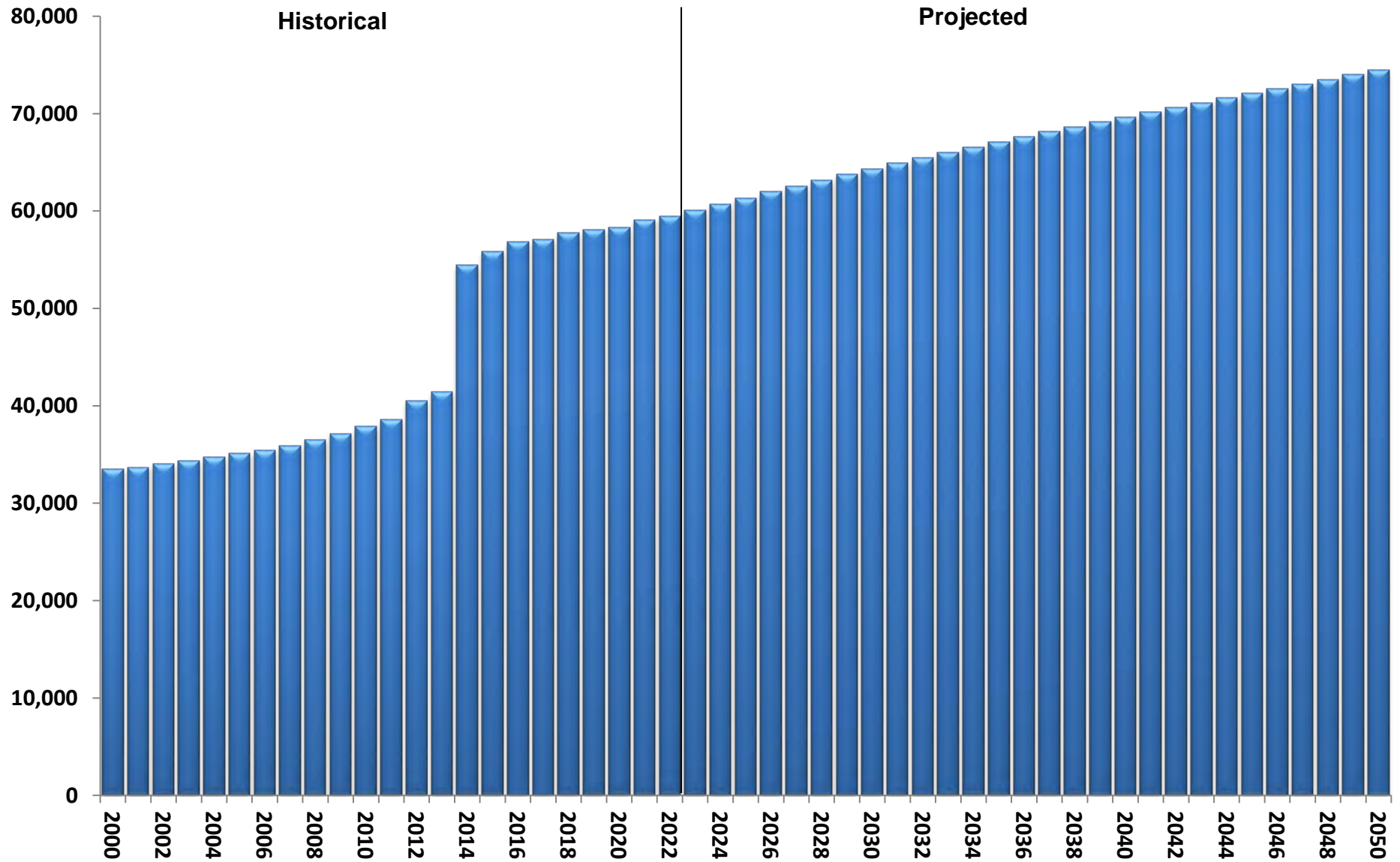
Year	Capital	Dakota Valley	McLean	North Central	Northern Plains	Verendrye	Total
2000	2,293	5,006	2,624	5,499	9,432	8,674	33,528
2001	2,388	4,991	2,625	5,500	9,427	8,745	33,676
2002	2,530	4,985	2,637	5,563	9,504	8,801	34,020
2003	2,663	5,005	2,661	5,620	9,481	8,896	34,326
2004	2,827	5,020	2,691	5,652	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	3,310	5,088	2,911	5,817	9,665	9,685	36,476
2009	3,450	5,104	2,944	5,875	9,716	10,056	37,145
2010	3,616	5,118	2,965	5,964	9,775	10,456	37,894
2011	3,728	5,150	3,008	5,921	9,811	10,955	38,573
2012	3,878	5,219	3,097	5,932	9,843	12,569	40,538
2013	4,065	5,285	3,181	6,036	9,920	12,960	41,447
2014	16,343	5,361	3,275	6,055	9,949	13,483	54,466
2015	17,017	5,410	3,377	6,081	9,966	14,003	55,854
2016	17,591	5,438	3,445	6,123	10,026	14,182	56,805
2017	18,034	5,463	3,483	6,077	10,087	13,896	57,040
2018	18,641	5,489	3,515	6,038	10,126	13,939	57,748
2019	18,920	5,502	3,542	6,014	10,105	14,017	58,100
2020	19,014	5,531	3,564	5,988	10,115	14,070	58,282
2021	19,592	5,579	3,620	6,001	10,163	14,156	59,111
2022	19,579	5,623	3,661	6,130	10,218	14,207	59,418
2023	19,970	5,660	3,701	6,145	10,242	14,349	60,067
2024	20,361	5,695	3,741	6,159	10,267	14,483	60,706
2025	20,752	5,730	3,780	6,172	10,292	14,612	61,338
2026	21,143	5,764	3,820	6,184	10,315	14,733	61,959
2027	21,532	5,798	3,858	6,195	10,338	14,848	62,569
2028	21,921	5,833	3,895	6,205	10,360	14,957	63,171
2029	22,309	5,867	3,930	6,214	10,381	15,059	63,760
2030	22,696	5,901	3,964	6,221	10,402	15,156	64,340
2031	23,082	5,936	3,994	6,227	10,422	15,246	64,907
2032	23,467	5,970	4,027	6,232	10,441	15,332	65,469
2033	23,851	6,004	4,059	6,236	10,460	15,412	66,022
2034	24,233	6,038	4,093	6,239	10,478	15,486	66,567
2035	24,614	6,073	4,124	6,243	10,495	15,555	67,104
2036	24,993	6,107	4,155	6,246	10,512	15,619	67,632
2037	25,369	6,141	4,185	6,248	10,528	15,676	68,147
2038	25,744	6,175	4,215	6,248	10,543	15,730	68,655
2039	26,118	6,210	4,244	6,248	10,558	15,779	69,157
2040	26,492	6,244	4,274	6,248	10,573	15,824	69,655
2041	26,864	6,278	4,302	6,247	10,586	15,866	70,143
2042	27,238	6,312	4,331	6,247	10,600	15,905	70,633
2043	27,612	6,347	4,359	6,246	10,613	15,940	71,117
2044	27,986	6,381	4,387	6,245	10,625	15,973	71,597
2045	28,362	6,415	4,414	6,245	10,637	16,004	72,077
2046	28,740	6,449	4,440	6,245	10,649	16,033	72,556
2047	29,119	6,484	4,468	6,244	10,661	16,060	73,036
2048	29,502	6,518	4,495	6,243	10,672	16,086	73,516
2049	29,886	6,552	4,523	6,243	10,683	16,111	73,998
2050	30,274	6,587	4,549	6,242	10,694	16,135	74,481

Projected

Central Power

Graph 3

Number of Residential Consumers



Central Power

Number of Residential Consumers and Energy Usage

Table 4

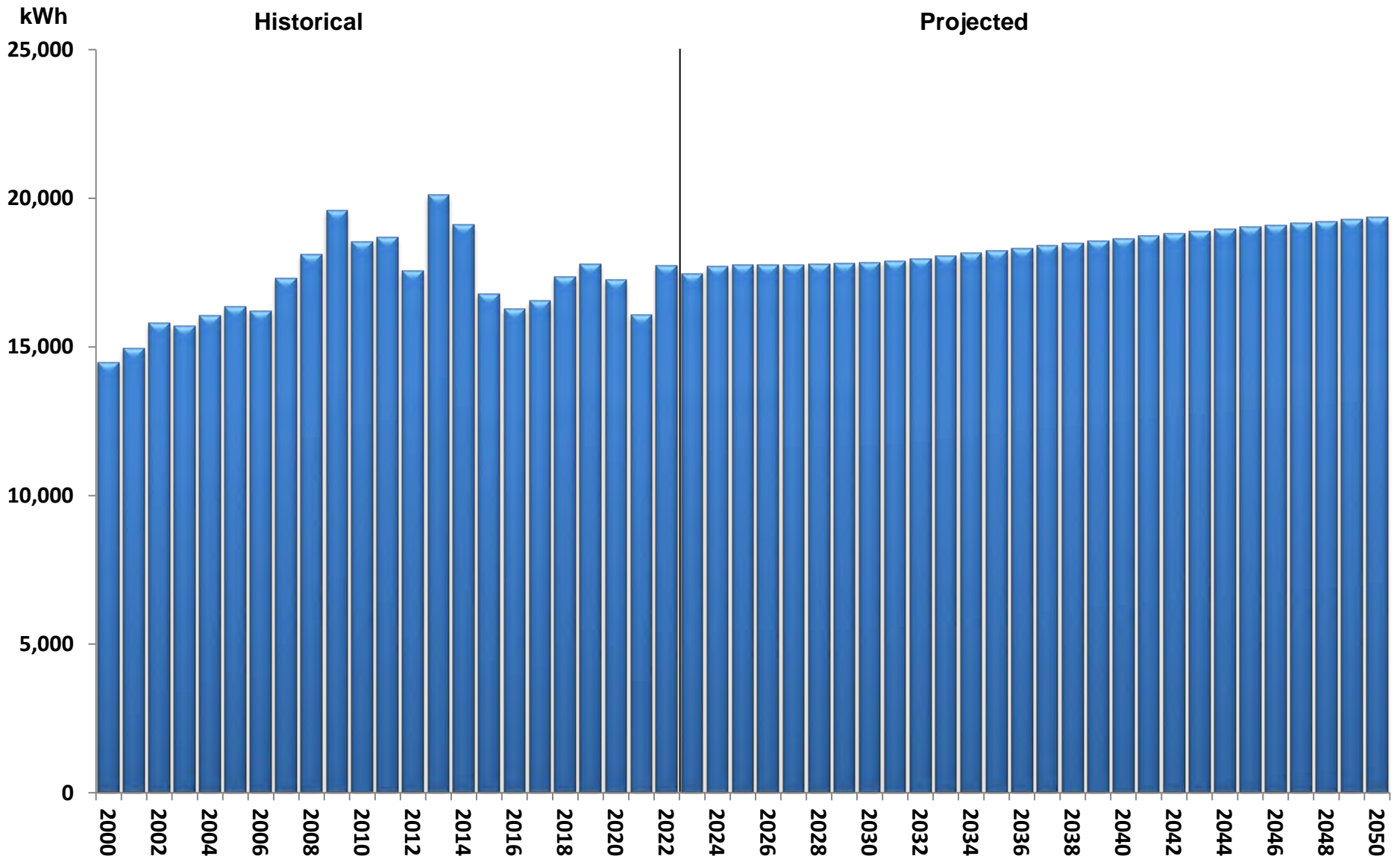
<u>Year</u>	<u>Residential Consumers</u>	<u>Residential Energy Sales (MWh)</u>	<u>Usage / Cons (kWh)</u>	<u>Percent Change</u>
2000	33,528	485,486	14,480	0.17%
2001	33,676	503,279	14,945	3.21%
2002	34,020	537,417	15,797	5.70%
2003	34,326	538,838	15,698	-0.63%
2004	34,694	557,249	16,062	2.32%
2005	35,085	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	36,476	660,461	18,107	4.63%
2009	37,145	727,639	19,589	8.18%
2010	37,894	702,617	18,542	-5.34%
2011	38,573	720,446	18,677	0.73%
2012	40,538	711,467	17,551	-6.03%
2013	41,447	833,610	20,113	14.60%
2014	54,466	1,040,622	19,106	-5.01%
2015	55,854	936,435	16,766	-12.25%
2016	56,805	924,380	16,273	-2.94%
2017	57,040	944,128	16,552	1.71%
2018	57,748	1,001,677	17,346	4.80%
2019	58,100	1,032,832	17,777	2.48%
2020	58,282	1,005,754	17,257	-2.93%
2021	59,111	950,210	16,075	-6.85%
2022	59,418	1,053,188	17,725	10.26%
2023	60,067	1,048,840	17,461	-1.49%
2024	60,706	1,074,833	17,706	1.40%
2025	61,338	1,089,543	17,763	0.32%
2026	61,959	1,100,823	17,767	0.02%
2027	62,569	1,111,168	17,759	-0.05%
2028	63,171	1,122,635	17,771	0.07%
2029	63,760	1,135,401	17,807	0.20%
2030	64,340	1,147,919	17,841	0.19%
2031	64,907	1,161,310	17,892	0.29%
2032	65,469	1,176,234	17,966	0.41%
2033	66,022	1,191,701	18,050	0.47%
2034	66,567	1,207,867	18,145	0.53%
2035	67,104	1,223,251	18,229	0.46%
2036	67,632	1,238,846	18,317	0.48%
2037	68,147	1,254,320	18,406	0.49%
2038	68,655	1,269,589	18,492	0.47%
2039	69,157	1,283,947	18,566	0.40%
2040	69,655	1,298,842	18,647	0.44%
2041	70,143	1,314,083	18,734	0.47%
2042	70,633	1,328,615	18,810	0.41%
2043	71,117	1,343,036	18,885	0.40%
2044	71,597	1,357,147	18,955	0.37%
2045	72,077	1,371,493	19,028	0.39%
2046	72,556	1,385,061	19,090	0.33%
2047	73,036	1,399,347	19,160	0.37%
2048	73,516	1,413,453	19,226	0.34%
2049	73,998	1,427,483	19,291	0.34%
2050	74,481	1,441,698	19,357	0.34%

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
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	12,259	66,740	16,628	46,606	73,260	81,937	297,430
08/09	15,542	78,996	17,621	48,123	77,699	84,037	322,018
09/10	14,203	84,218	17,779	47,830	78,541	86,016	328,587
10/11	14,971	77,546	19,491	48,423	80,746	89,470	330,647
11/12	15,955	92,031	19,930	52,683	83,279	109,881	373,759
12/13	15,631	91,282	21,223	54,529	82,503	112,218	377,386
13/14*	77,500	98,431	25,194	60,180	95,126	122,894	479,325
14/15	70,389	98,716	24,868	59,061	92,491	118,132	463,657
15/16	64,656	100,685	22,709	53,496	82,247	112,567	436,360
16/17	73,621	108,238	23,182	53,690	87,966	119,597	466,294
17/18	70,629	103,864	24,197	55,536	88,889	120,491	463,606
18/19	74,331	106,661	24,384	58,356	93,394	126,158	483,284
19/20	72,602	99,744	24,831	54,501	88,424	115,584	455,686
20/21	74,376	106,603	25,220	58,274	93,059	124,277	481,809
21/22	75,407	107,560	26,009	56,075	89,199	122,168	476,418
22/23	77,553	104,793	25,593	58,671	90,330	125,257	482,197
23/24	79,287	105,172	25,527	57,995	90,892	128,706	487,579
24/25	81,004	105,396	25,718	57,295	91,432	130,715	491,560
25/26	82,750	105,277	25,830	56,607	91,987	132,363	494,814
26/27	84,560	105,347	25,961	55,886	92,482	134,307	498,543
27/28	86,439	105,373	26,100	55,240	93,033	143,813	509,998
28/29	88,374	105,409	26,263	54,787	93,638	144,376	512,847
29/30	90,104	105,557	26,400	54,430	94,064	147,847	518,402
30/31	91,892	105,670	26,554	54,040	94,477	148,457	521,090
31/32	93,675	105,922	26,734	53,748	94,930	149,203	524,212
32/33	95,531	106,156	26,941	53,527	95,432	159,979	537,566
33/34	97,381	106,448	27,164	53,477	95,986	160,803	541,259
34/35	99,258	106,692	27,379	53,296	96,452	161,603	544,680
35/36	101,127	106,989	27,585	53,093	96,922	162,459	548,175
36/37	103,042	107,227	27,785	52,949	97,437	163,267	551,707
37/38	104,964	107,472	27,980	52,760	97,943	164,045	555,164
38/39	106,885	107,764	28,180	52,602	98,299	164,744	558,474
39/40	108,862	107,945	28,374	52,486	98,832	165,468	561,967
40/41	110,872	108,232	28,570	52,327	99,311	166,183	565,495
41/42	112,874	108,462	28,765	52,191	99,798	166,810	568,900
42/43	114,905	108,741	28,956	51,971	100,180	167,463	572,216
43/44	116,929	108,948	29,137	51,748	100,598	168,111	575,471
44/45	119,007	109,186	29,315	51,523	101,021	168,700	578,752
45/46	121,088	109,399	29,491	51,241	101,334	169,264	581,817
46/47	123,210	109,663	29,670	51,058	101,753	169,798	585,152
47/48	125,358	109,855	29,849	50,850	102,147	170,353	588,412
48/49	127,555	110,117	30,030	50,748	102,438	170,895	591,783
49/50	129,778	110,318	30,205	50,624	102,829	171,433	595,187
*Capital Electric changed from purchasing 25% of requirements from Central Power to 100%							Projected

Central Power

Summer Season Demand Sales to Members (kW)

Table 6

Summer Season	Capital	Dakota Valley	McLean	North Central	Northern Plains	Verendrye	Total
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	9,612	60,271	12,864	32,382	50,442	59,582	225,153
2009	9,844	62,309	13,644	32,482	56,358	58,343	232,980
2010	11,741	67,879	14,202	35,110	63,328	65,274	257,534
2011	10,296	78,129	14,833	32,194	61,396	65,534	262,382
2012	11,350	78,548	16,092	37,445	71,093	74,585	289,113
2013	11,959	90,486	17,550	37,310	66,168	77,042	300,515
2014*	46,567	93,385	18,631	41,371	81,541	86,261	367,756
2015	82,697	81,524	21,720	29,784	61,375	86,700	363,800
2016	74,202	79,479	21,420	24,863	57,712	87,597	345,273
2017	47,509	96,515	18,871	37,225	71,625	82,711	354,456
2018	83,592	76,354	20,864	26,041	57,830	86,495	351,176
2019	56,412	88,842	21,801	44,788	71,237	93,405	376,485
2020	55,605	91,040	19,124	36,111	65,878	85,986	353,744
2021	89,677	86,760	21,818	25,612	49,899	84,802	358,568
2022	87,733	81,636	23,182	27,008	62,082	88,458	370,099
2023	53,840	93,642	18,437	38,514	71,082	84,052	359,567
2024	55,038	93,916	18,562	38,070	68,821	86,920	361,327
2025	56,216	94,075	18,680	37,610	69,194	88,444	364,219
2026	57,419	93,985	18,748	37,155	69,575	89,495	366,377
2027	58,668	94,032	18,828	36,671	69,909	91,759	369,867
2028	93,121	77,579	21,261	24,434	58,202	104,914	379,511
2029	95,211	77,596	21,379	24,226	58,528	105,279	382,219
2030	97,097	77,673	21,478	24,049	58,747	108,574	387,618
2031	99,043	77,730	21,590	23,860	58,961	108,962	390,146
2032	100,984	77,866	21,720	23,717	59,198	109,443	392,928
2033	103,000	77,991	21,870	23,607	59,463	119,944	405,875
2034	105,008	78,150	22,032	23,574	59,758	120,478	409,000
2035	107,044	78,281	22,188	23,484	60,005	120,997	411,999
2036	109,071	78,443	22,338	23,385	60,255	121,554	415,046
2037	111,144	78,572	22,483	23,313	60,531	122,080	418,123
2038	113,226	78,705	22,624	23,223	60,802	122,587	421,167
2039	115,305	78,864	22,770	23,146	60,992	123,042	424,119
2040	117,442	78,962	22,910	23,090	61,279	123,515	427,198
2041	119,615	79,120	23,053	23,015	61,538	123,982	430,323
2042	121,780	79,245	23,195	22,950	61,801	124,391	433,362
2043	123,976	79,397	23,333	22,847	62,005	124,817	436,375
2044	126,165	79,510	23,465	22,743	62,229	125,240	439,352
2045	128,412	79,640	23,594	22,638	62,457	125,623	442,364
2046	130,664	79,756	23,722	22,508	62,624	125,990	445,264
2047	132,960	79,900	23,852	22,422	62,849	126,337	448,320
2048	135,284	80,004	23,982	22,324	63,060	126,698	451,352
2049	137,661	80,147	24,114	22,274	63,215	127,051	454,462
2050	140,067	80,256	24,241	22,214	63,424	127,400	457,602

*Capital Electric changed from purchasing 25% of requirements from Central Power to 100%

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 0.85 percent over the 2023 to 2050 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 2000 to 2050 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)

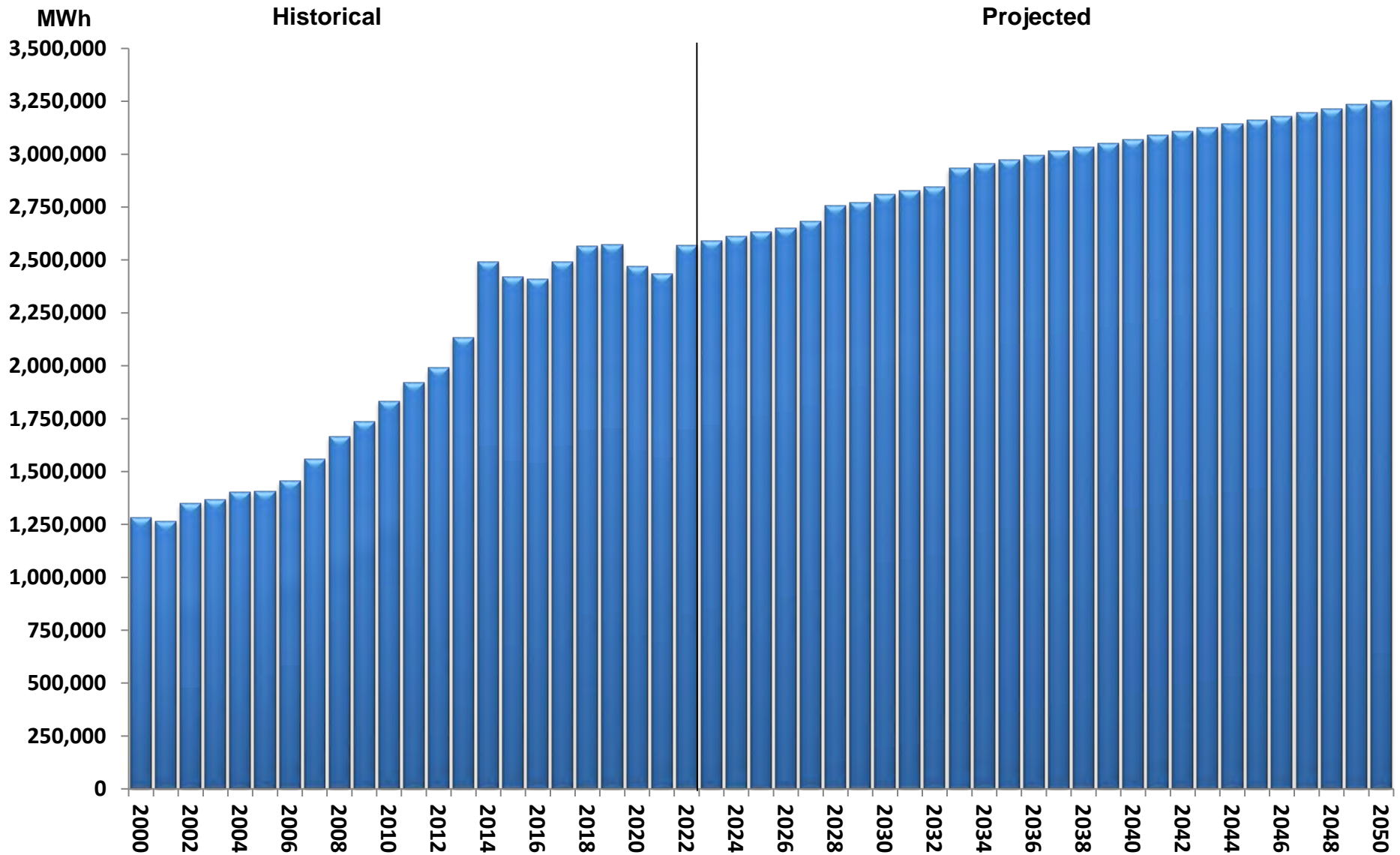
Table 7

<u>Year</u>	<u>Sales</u>	<u>Losses</u>	<u>Percent Losses</u>	<u>Purchases</u>
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	1,665,139	64,050	3.8%	1,729,189
2009	1,736,324	66,290	3.8%	1,802,614
2010	1,832,250	62,240	3.4%	1,894,490
2011	1,920,664	61,656	3.2%	1,982,320
2012	1,989,124	64,094	3.2%	2,053,218
2013	2,131,506	66,996	3.1%	2,198,502
2014	2,492,523	84,130	3.4%	2,576,653
2015	2,418,852	75,704	3.1%	2,494,556
2016	2,410,800	47,612	2.0%	2,458,412
2017	2,490,671	47,867	1.9%	2,538,538
2018	2,566,262	46,743	1.8%	2,613,005
2019	2,571,524	46,854	1.8%	2,618,378
2020	2,468,176	43,757	1.8%	2,511,933
2021	2,435,057	41,833	1.7%	2,476,890
2022	2,566,775	44,717	1.7%	2,611,492
2023	2,587,948	46,584	1.8%	2,634,532
2024	2,610,539	46,989	1.8%	2,657,528
2025	2,633,426	47,400	1.8%	2,680,826
2026	2,651,060	47,720	1.8%	2,698,780
2027	2,681,947	48,275	1.8%	2,730,222
2028	2,756,344	49,614	1.8%	2,805,958
2029	2,772,399	49,901	1.8%	2,822,300
2030	2,809,738	50,576	1.8%	2,860,314
2031	2,826,443	50,876	1.8%	2,877,319
2032	2,844,931	51,210	1.8%	2,896,141
2033	2,934,339	52,818	1.8%	2,987,157
2034	2,955,051	53,191	1.8%	3,008,242
2035	2,974,383	53,539	1.8%	3,027,922
2036	2,993,882	53,889	1.8%	3,047,771
2037	3,013,383	54,241	1.8%	3,067,624
2038	3,032,452	54,584	1.8%	3,087,036
2039	3,050,769	54,913	1.8%	3,105,682
2040	3,069,646	55,254	1.8%	3,124,900
2041	3,088,774	55,597	1.8%	3,144,371
2042	3,107,322	55,933	1.8%	3,163,255
2043	3,125,528	56,259	1.8%	3,181,787
2044	3,143,443	56,583	1.8%	3,200,026
2045	3,161,523	56,907	1.8%	3,218,430
2046	3,178,639	57,217	1.8%	3,235,856
2047	3,197,054	57,546	1.8%	3,254,600
2048	3,215,127	57,872	1.8%	3,272,999
2049	3,233,779	58,209	1.8%	3,291,988
2050	3,252,607	58,545	1.8%	3,311,152
*Energy Loss Factor for Projected Period Assumed to be 1.8%				Projected

Central Power

Annual Energy Sales Requirements

Graph 7



Central Power

Winter Season Demand Sales and Purchases (kW)

Table 8

Winter <u>Season</u>	<u>Sales</u>	<u>Losses</u>	Percent <u>Losses</u>	<u>Purchases</u>
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	297,430	11,717	3.9%	309,147
08/09	322,018	12,066	3.7%	334,084
09/10	328,587	12,829	3.9%	341,416
10/11	330,647	11,696	3.5%	342,343
11/12	373,759	12,244	3.3%	386,003
12/13	377,386	12,620	3.3%	390,006
13/14	479,325	15,242	3.2%	494,567
14/15	463,657	14,558	3.1%	478,215
15/16	436,360	9,328	2.1%	445,688
16/17	466,294	9,631	2.1%	475,925
17/18	463,606	8,819	1.9%	472,425
18/19	483,284	9,405	1.9%	492,689
19/20	455,686	8,742	1.9%	464,428
20/21	481,809	8,656	1.8%	490,465
21/22	476,418	8,647	1.8%	485,065
22/23	482,197	9,162	1.9%	491,359
23/24	487,579	9,264	1.9%	496,843
24/25	491,560	9,340	1.9%	500,900
25/26	494,814	9,401	1.9%	504,215
26/27	498,543	9,472	1.9%	508,015
27/28	509,998	9,690	1.9%	519,688
28/29	512,847	9,744	1.9%	522,591
29/30	518,402	9,850	1.9%	528,252
30/31	521,090	9,901	1.9%	530,991
31/32	524,212	9,960	1.9%	534,172
32/33	537,566	10,214	1.9%	547,780
33/34	541,259	10,284	1.9%	551,543
34/35	544,680	10,349	1.9%	555,029
35/36	548,175	10,415	1.9%	558,590
36/37	551,707	10,482	1.9%	562,189
37/38	555,164	10,548	1.9%	565,712
38/39	558,474	10,611	1.9%	569,085
39/40	561,967	10,677	1.9%	572,644
40/41	565,495	10,744	1.9%	576,239
41/42	568,900	10,809	1.9%	579,709
42/43	572,216	10,872	1.9%	583,088
43/44	575,471	10,934	1.9%	586,405
44/45	578,752	10,996	1.9%	589,748
45/46	581,817	11,055	1.9%	592,872
46/47	585,152	11,118	1.9%	596,270
47/48	588,412	11,180	1.9%	599,592
48/49	591,783	11,244	1.9%	603,027
49/50	595,187	11,309	1.9%	606,496

*Winter Season Demand Loss Factor for Projected Period Assumed to be 1.9%

Projected

Central Power

Summer Season Demand Sales and Purchases (kW)

Table 9

Summer <u>Season</u>	<u>Sales</u>	<u>Losses</u>	Percent <u>Losses</u>	<u>Purchases</u>
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	225,153	8,488	3.8%	233,641
2009	232,980	8,269	3.5%	241,249
2010	257,534	7,512	2.9%	265,046
2011	262,382	6,898	2.6%	269,280
2012	289,113	8,704	3.0%	297,817
2013	300,515	8,121	2.7%	308,636
2014	367,756	10,192	2.8%	377,948
2015	363,800	6,142	1.7%	369,942
2016	345,273	6,556	1.9%	351,829
2017	354,456	7,404	2.1%	361,860
2018	351,176	7,156	2.0%	358,332
2019	376,485	6,954	1.8%	383,439
2020	353,744	6,077	1.7%	359,821
2021	358,568	6,483	1.8%	365,051
2022	370,099	6,825	1.8%	376,924
2023	359,567	6,832	1.9%	366,399
2024	361,327	6,865	1.9%	368,192
2025	364,219	6,920	1.9%	371,139
2026	366,377	6,961	1.9%	373,338
2027	369,867	7,027	1.9%	376,894
2028	379,511	7,211	1.9%	386,722
2029	382,219	7,262	1.9%	389,481
2030	387,618	7,365	1.9%	394,983
2031	390,146	7,413	1.9%	397,559
2032	392,928	7,466	1.9%	400,394
2033	405,875	7,712	1.9%	413,587
2034	409,000	7,771	1.9%	416,771
2035	411,999	7,828	1.9%	419,827
2036	415,046	7,886	1.9%	422,932
2037	418,123	7,944	1.9%	426,067
2038	421,167	8,002	1.9%	429,169
2039	424,119	8,058	1.9%	432,177
2040	427,198	8,117	1.9%	435,315
2041	430,323	8,176	1.9%	438,499
2042	433,362	8,234	1.9%	441,596
2043	436,375	8,291	1.9%	444,666
2044	439,352	8,348	1.9%	447,700
2045	442,364	8,405	1.9%	450,769
2046	445,264	8,460	1.9%	453,724
2047	448,320	8,518	1.9%	456,838
2048	451,352	8,576	1.9%	459,928
2049	454,462	8,635	1.9%	463,097
2050	457,602	8,694	1.9%	466,296

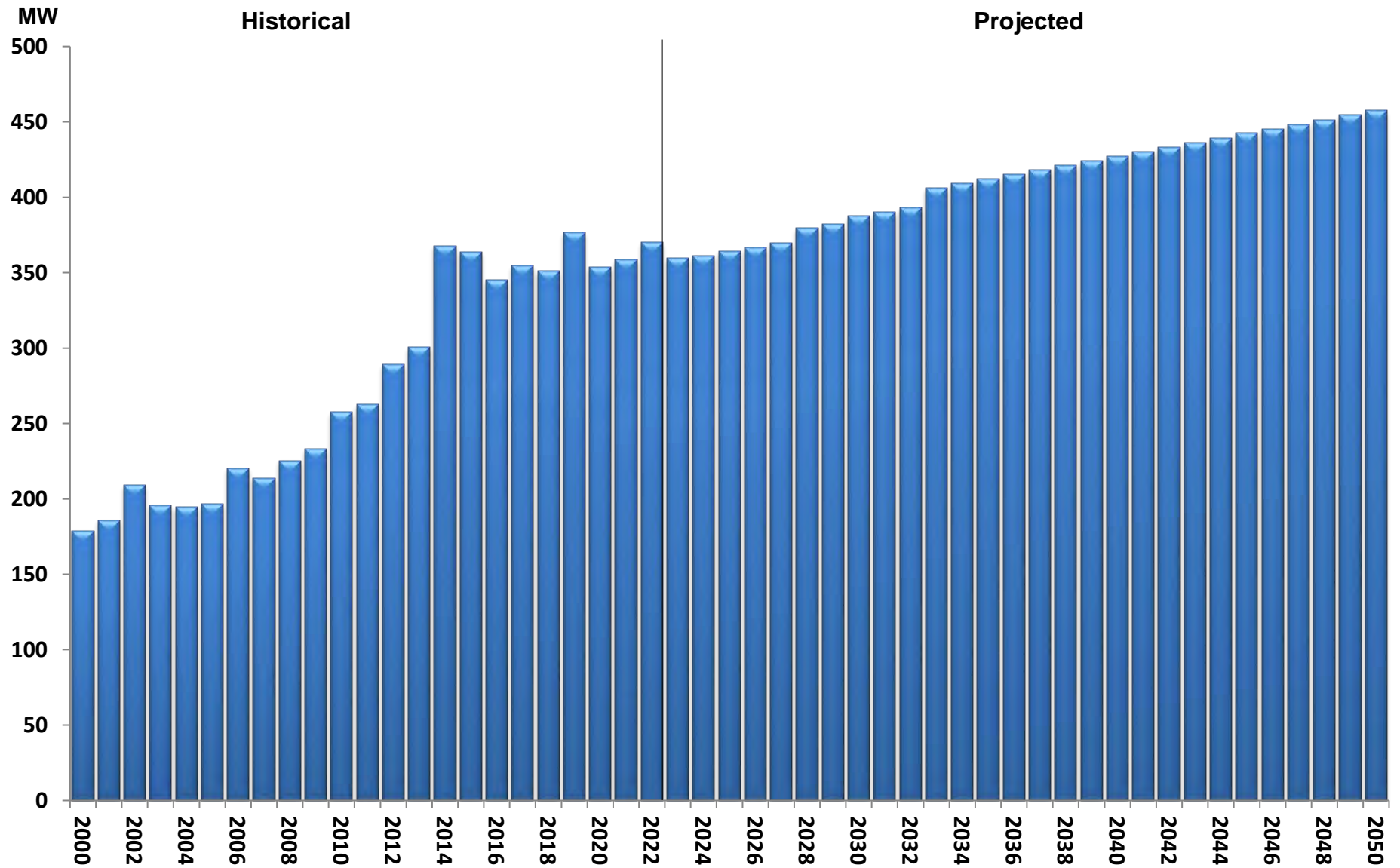
*Summer Season Demand Loss Factor for Projected Period Assumed to be 1.9%

Projected

Central Power

Graph 9

Summer Season Demand Sales Requirements



Central Power

Wholesale Power Requirements

Table 10

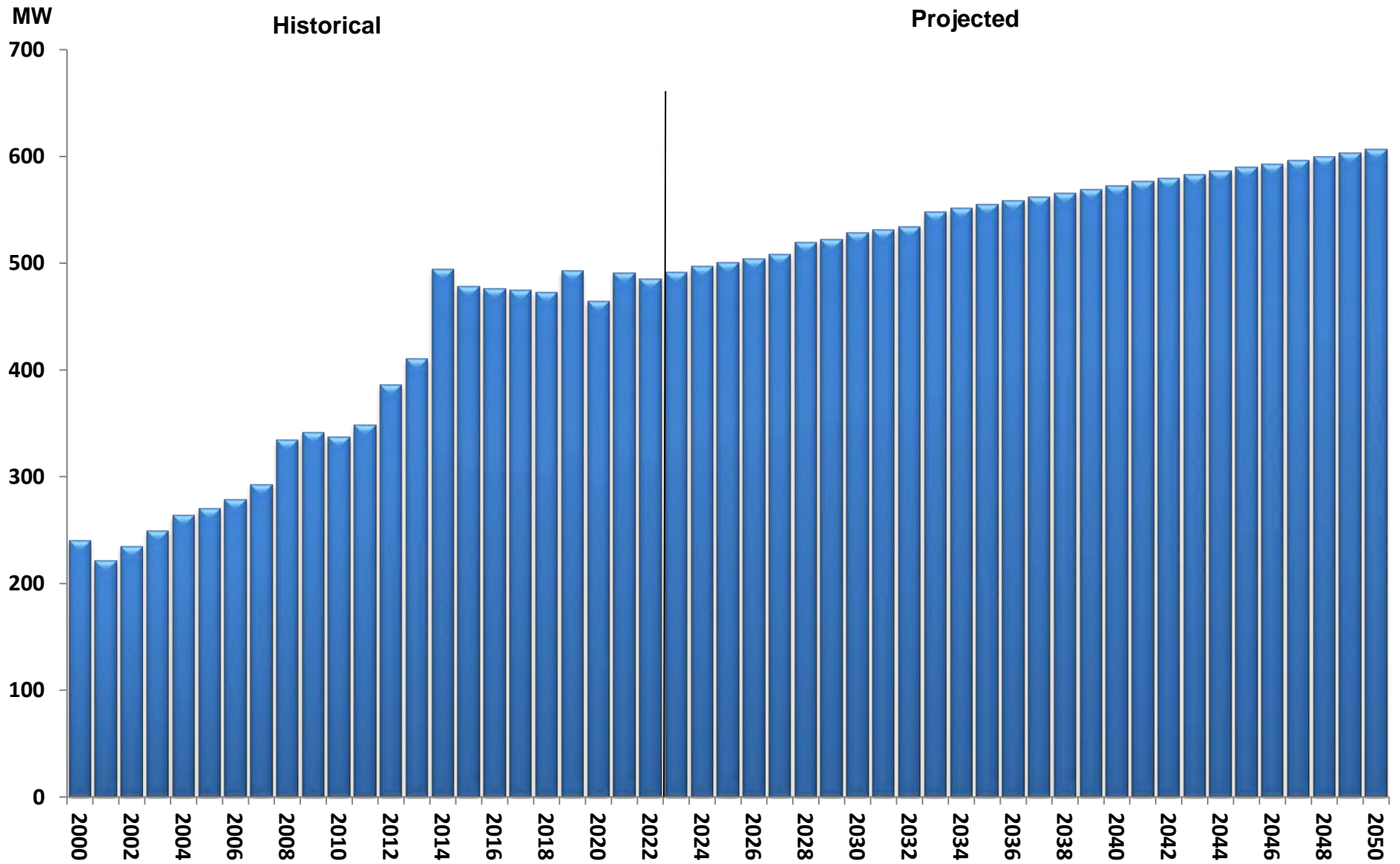
<u>Year</u>	<u>Annual Peak Demand (kW)</u>	<u>Change (Percent)</u>	<u>Annual Energy (MWh)</u>	<u>Change (Percent)</u>	<u>Annual Load Factor (Percent)</u>
2000	239,870	3.15%	1,329,145	3.67%	63.25%
2001	221,097	-7.83%	1,313,431	-1.18%	67.81%
2002	234,768	6.18%	1,401,600	6.71%	68.15%
2003	249,173	6.14%	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	334,084	14.14%	1,729,189	6.71%	59.09%
2009	341,416	2.19%	1,802,614	4.25%	60.27%
2010	337,232	-1.23%	1,894,490	5.10%	64.13%
2011	348,227	3.26%	1,982,320	4.64%	64.98%
2012	386,003	10.85%	2,053,218	3.58%	60.72%
2013	410,525	6.35%	2,198,502	7.08%	61.13%
2014	494,567	20.47%	2,576,653	17.20%	59.47%
2015	478,215	-3.31%	2,494,556	-3.19%	59.55%
2016	475,925	-0.48%	2,458,412	-1.45%	58.97%
2017	474,417	-0.32%	2,538,538	3.26%	61.08%
2018	472,425	-0.42%	2,613,005	2.93%	63.14%
2019	492,689	4.29%	2,618,378	0.21%	60.67%
2020	464,428	-5.74%	2,511,933	-4.07%	61.74%
2021	490,465	5.61%	2,476,890	-1.40%	57.65%
2022	485,065	-1.10%	2,611,492	5.43%	61.46%
2023	491,359	1.30%	2,634,532	0.88%	61.21%
2024	496,843	1.12%	2,657,528	0.87%	61.06%
2025	500,900	0.82%	2,680,826	0.88%	61.10%
2026	504,215	0.66%	2,698,780	0.67%	61.10%
2027	508,015	0.75%	2,730,222	1.17%	61.35%
2028	519,688	2.30%	2,805,958	2.77%	61.64%
2029	522,591	0.56%	2,822,300	0.58%	61.65%
2030	528,252	1.08%	2,860,314	1.35%	61.81%
2031	530,991	0.52%	2,877,319	0.59%	61.86%
2032	534,172	0.60%	2,896,141	0.65%	61.89%
2033	547,780	2.55%	2,987,157	3.14%	62.25%
2034	551,543	0.69%	3,008,242	0.71%	62.26%
2035	555,029	0.63%	3,027,922	0.65%	62.28%
2036	558,590	0.64%	3,047,771	0.66%	62.29%
2037	562,189	0.64%	3,067,624	0.65%	62.29%
2038	565,712	0.63%	3,087,036	0.63%	62.29%
2039	569,085	0.60%	3,105,682	0.60%	62.30%
2040	572,644	0.63%	3,124,900	0.62%	62.29%
2041	576,239	0.63%	3,144,371	0.62%	62.29%
2042	579,709	0.60%	3,163,255	0.60%	62.29%
2043	583,088	0.58%	3,181,787	0.59%	62.29%
2044	586,405	0.57%	3,200,026	0.57%	62.29%
2045	589,748	0.57%	3,218,430	0.58%	62.30%
2046	592,872	0.53%	3,235,856	0.54%	62.31%
2047	596,270	0.57%	3,254,600	0.58%	62.31%
2048	599,592	0.56%	3,272,999	0.57%	62.31%
2049	603,027	0.57%	3,291,988	0.58%	62.32%
2050	606,496	0.58%	3,311,152	0.58%	62.32%

Projected

Central Power

Graph 10a

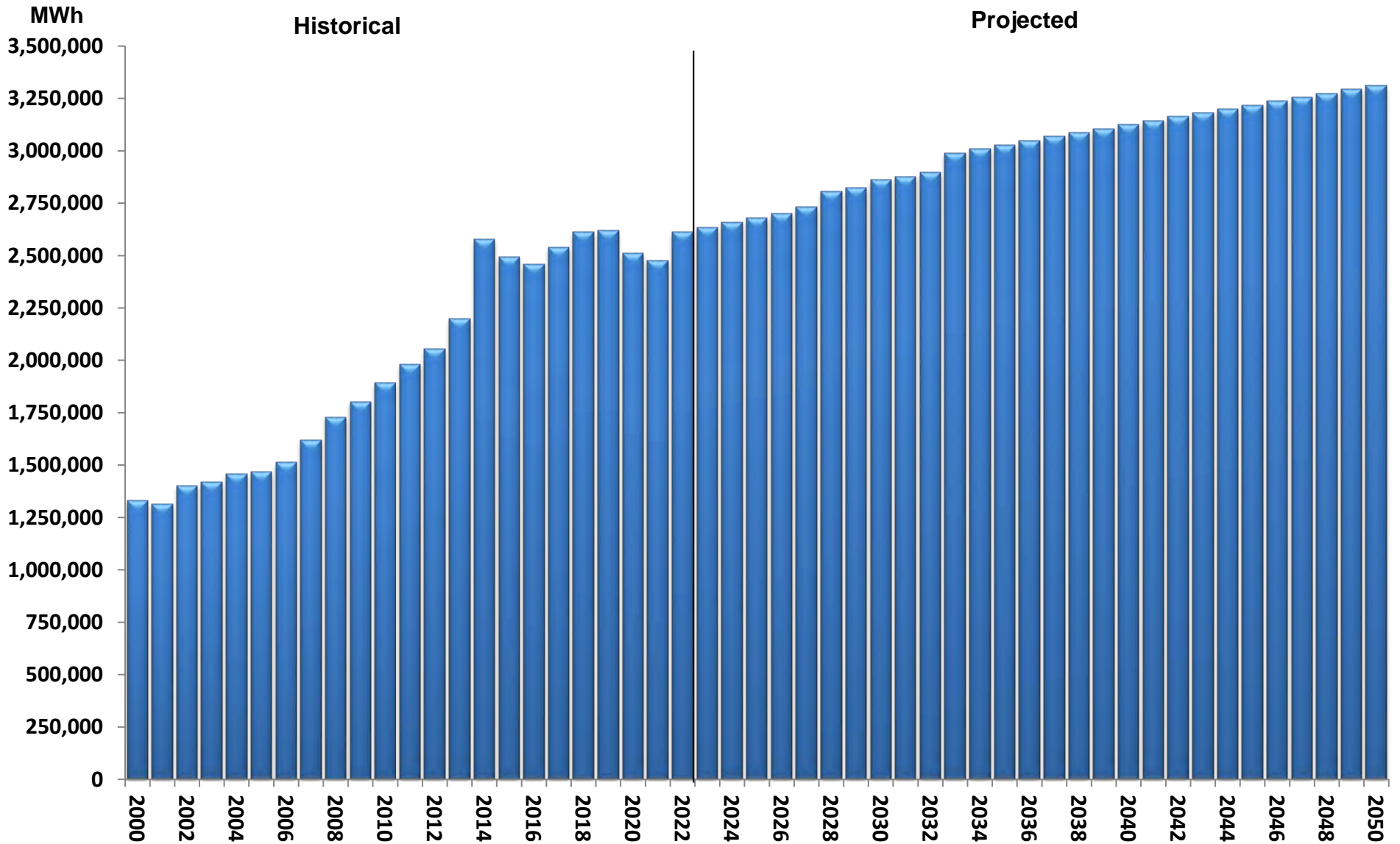
Annual Peak Demand Sales Purchases



Central Power

Graph 10b

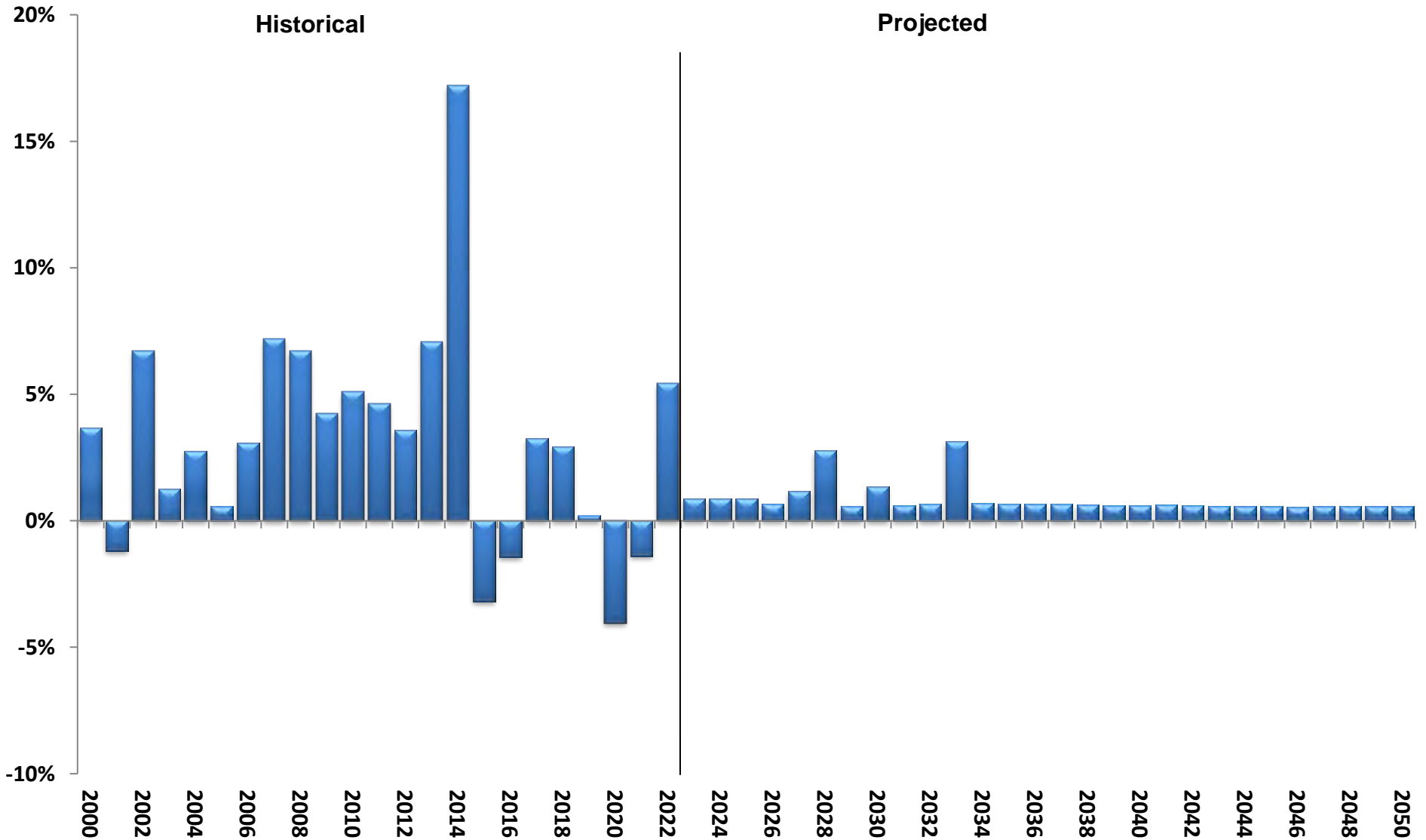
Annual Energy Purchases



Central Power

Graph 10c

Percent Change In Annual Energy Purchases



Central Power

Purchase Summary

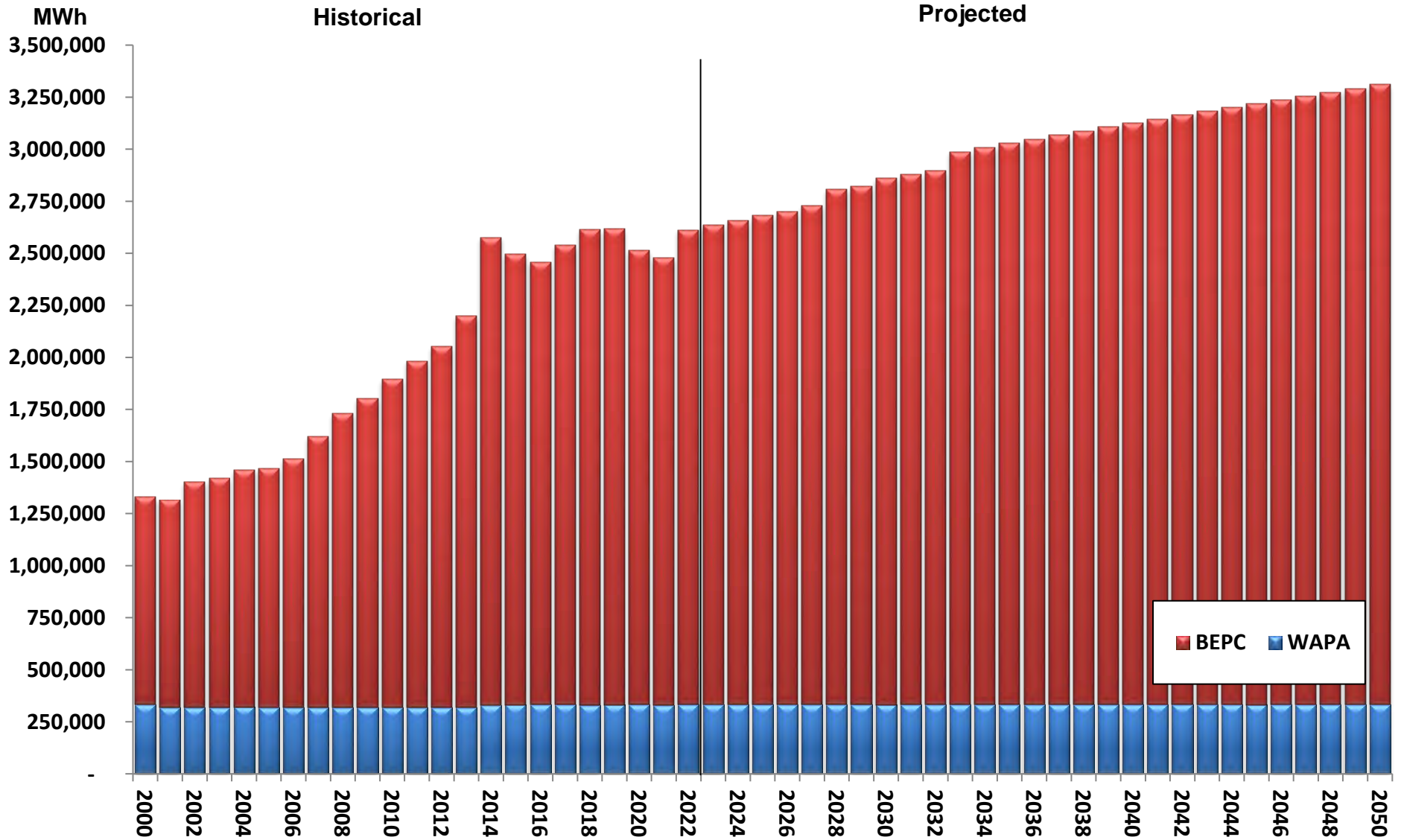
Table 11

Year	Purchases At Time Of System Peak (kW)				Annual Energy Purchases (MWH)				System Load
	WAPA	BEPC	Total	Change	WAPA	BEPC	Total	Change	Factor
2000	63,375	176,495	239,870	3.15%	332,573	996,572	1,329,145	3.67%	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	60,780	273,304	334,084	14.14%	319,812	1,409,377	1,729,189	6.71%	59.09%
2009	60,802	280,614	341,416	2.19%	318,560	1,484,054	1,802,614	4.25%	60.27%
2010	59,602	277,630	337,232	-1.23%	318,506	1,575,984	1,894,490	5.10%	64.13%
2011	60,795	287,432	348,227	3.26%	318,462	1,663,858	1,982,320	4.64%	64.98%
2012	59,591	326,412	386,003	10.85%	319,658	1,733,560	2,053,218	3.58%	60.72%
2013	60,803	349,722	410,525	6.35%	318,065	1,880,437	2,198,502	7.08%	61.13%
2014	62,066	432,501	494,567	20.47%	328,957	2,247,696	2,576,653	17.20%	59.47%
2015	62,199	416,016	478,215	-3.31%	330,665	2,163,891	2,494,556	-3.19%	59.55%
2016	63,392	412,533	475,925	-0.48%	331,707	2,126,705	2,458,412	-1.45%	58.97%
2017	62,026	412,391	474,417	-0.32%	331,558	2,206,980	2,538,538	3.26%	61.08%
2018	62,026	410,399	472,425	-0.42%	330,029	2,282,976	2,613,005	2.93%	63.14%
2019	62,053	430,636	492,689	4.29%	331,285	2,287,093	2,618,378	0.21%	60.67%
2020	61,855	402,573	464,428	-5.74%	333,368	2,178,565	2,511,933	-4.07%	61.74%
2021	62,198	428,267	490,465	5.61%	329,478	2,147,412	2,476,890	-1.40%	57.65%
2022	61,857	423,208	485,065	-1.10%	331,747	2,279,745	2,611,492	5.43%	61.46%
2023	61,857	429,502	491,359	1.30%	331,313	2,303,219	2,634,532	0.88%	61.21%
2024	61,857	434,986	496,843	1.12%	331,313	2,326,215	2,657,528	0.87%	61.06%
2025	61,857	439,043	500,900	0.82%	331,313	2,349,513	2,680,826	0.88%	61.10%
2026	61,857	442,358	504,215	0.66%	331,313	2,367,467	2,698,780	0.67%	61.10%
2027	61,857	446,158	508,015	0.75%	331,313	2,398,909	2,730,222	1.17%	61.35%
2028	61,857	457,831	519,688	2.30%	331,313	2,474,645	2,805,958	2.77%	61.64%
2029	61,857	460,734	522,591	0.56%	331,313	2,490,987	2,822,300	0.58%	61.65%
2030	61,857	466,395	528,252	1.08%	331,313	2,529,001	2,860,314	1.35%	61.81%
2031	61,857	469,134	530,991	0.52%	331,313	2,546,006	2,877,319	0.59%	61.86%
2032	61,857	472,315	534,172	0.60%	331,313	2,564,828	2,896,141	0.65%	61.89%
2033	61,857	485,923	547,780	2.55%	331,313	2,655,844	2,987,157	3.14%	62.25%
2034	61,857	489,686	551,543	0.69%	331,313	2,676,929	3,008,242	0.71%	62.26%
2035	61,857	493,172	555,029	0.63%	331,313	2,696,609	3,027,922	0.65%	62.28%
2036	61,857	496,733	558,590	0.64%	331,313	2,716,458	3,047,771	0.66%	62.29%
2037	61,857	500,332	562,189	0.64%	331,313	2,736,311	3,067,624	0.65%	62.29%
2038	61,857	503,855	565,712	0.63%	331,313	2,755,723	3,087,036	0.63%	62.29%
2039	61,857	507,228	569,085	0.60%	331,313	2,774,369	3,105,682	0.60%	62.30%
2040	61,857	510,787	572,644	0.63%	331,313	2,793,587	3,124,900	0.62%	62.29%
2041	61,857	514,382	576,239	0.63%	331,313	2,813,058	3,144,371	0.62%	62.29%
2042	61,857	517,852	579,709	0.60%	331,313	2,831,942	3,163,255	0.60%	62.29%
2043	61,857	521,231	583,088	0.58%	331,313	2,850,474	3,181,787	0.59%	62.29%
2044	61,857	524,548	586,405	0.57%	331,313	2,868,713	3,200,026	0.57%	62.29%
2045	61,857	527,891	589,748	0.57%	331,313	2,887,117	3,218,430	0.58%	62.30%
2046	61,857	531,015	592,872	0.53%	331,313	2,904,543	3,235,856	0.54%	62.31%
2047	61,857	534,413	596,270	0.57%	331,313	2,923,287	3,254,600	0.58%	62.31%
2048	61,857	537,735	599,592	0.56%	331,313	2,941,686	3,272,999	0.57%	62.31%
2049	61,857	541,170	603,027	0.57%	331,313	2,960,675	3,291,988	0.58%	62.32%
2050	61,857	544,639	606,496	0.58%	331,313	2,979,839	3,311,152	0.58%	62.32%

Projected

Central Power Annual Energy Purchases

Graph 11



Central Power

Seasonal Demand Purchase Summary

Table 12

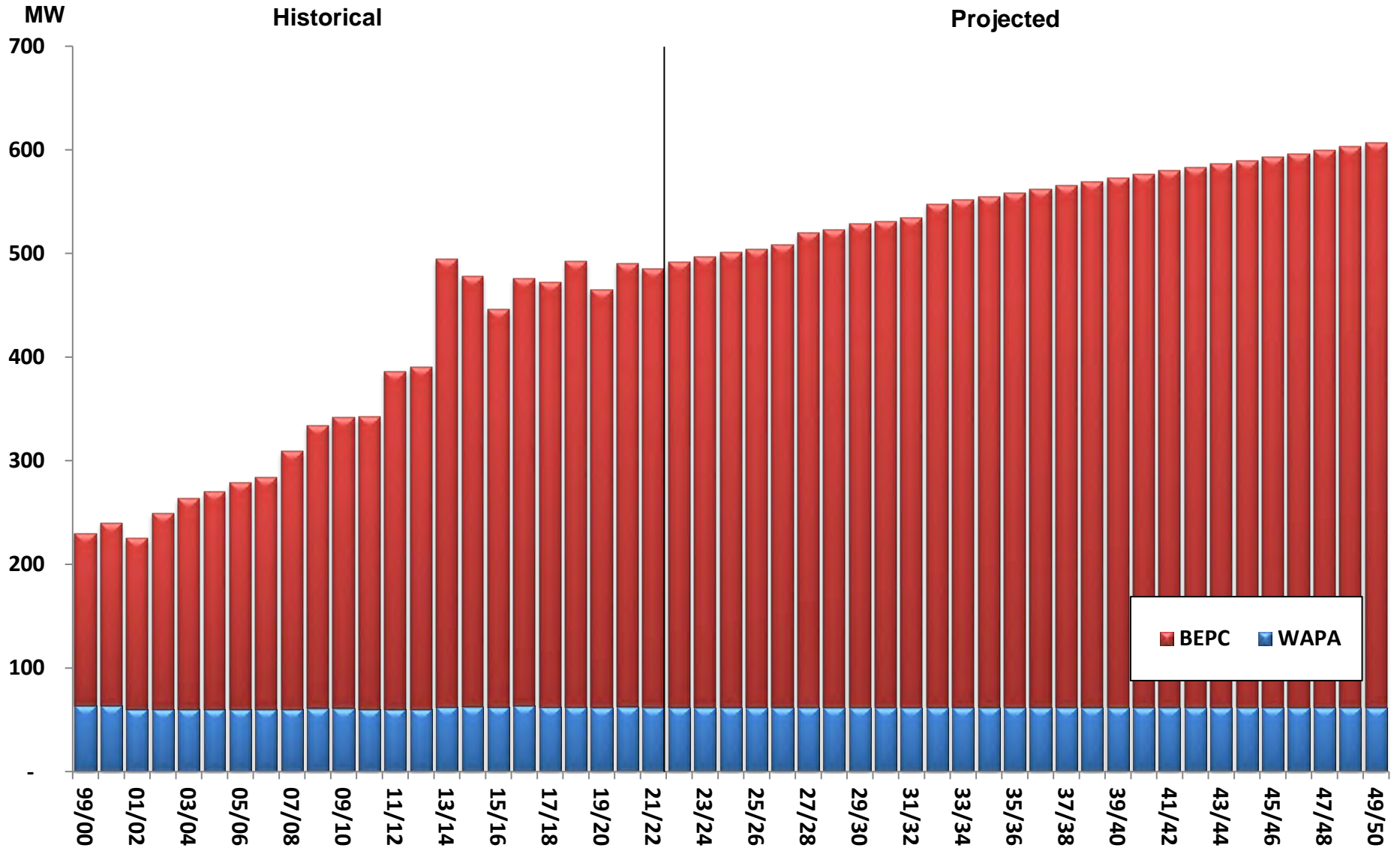
Summer Season	Purchases At Time Of Summer Peak (kW)				Winter Season	Purchases At Time Of Winter Peak (kW)			
	WAPA	BEPC	Total	Change		WAPA	BEPC	Total	Change
2000	41,633	143,223	184,856	1.05%	99/00	63,402	166,362	229,764	-3.32%
2001	40,680	152,285	192,965	4.39%	00/01	63,375	176,495	239,870	4.40%
2002	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	40,626	193,015	233,641	5.63%	07/08	59,575	249,572	309,147	8.94%
2009	40,606	200,643	241,249	3.26%	08/09	60,780	273,304	334,084	8.07%
2010	40,629	224,417	265,046	9.86%	09/10	60,802	280,614	341,416	2.19%
2011	40,621	228,659	269,280	1.60%	10/11	59,832	282,511	342,343	0.27%
2012	40,622	257,195	297,817	10.60%	11/12	59,591	326,412	386,003	12.75%
2013	40,612	268,024	308,636	3.63%	12/13	59,619	330,387	390,006	1.04%
2014	41,654	336,294	377,948	22.46%	13/14	62,066	432,501	494,567	26.81%
2015	41,901	328,041	369,942	-2.12%	14/15	62,199	416,016	478,215	-3.31%
2016	41,856	309,973	351,829	-4.90%	15/16	62,077	383,611	445,688	-6.80%
2017	42,286	319,574	361,860	2.85%	16/17	63,392	412,533	475,925	6.78%
2018	41,931	316,401	358,332	-0.97%	17/18	62,026	410,399	472,425	-0.74%
2019	42,045	341,394	383,439	7.01%	18/19	62,053	430,636	492,689	4.29%
2020	42,039	317,782	359,821	-6.16%	19/20	61,855	402,573	464,428	-5.74%
2021	41,414	323,637	365,051	1.45%	20/21	62,198	428,267	490,465	5.61%
2022	36,877	340,047	376,924	3.25%	21/22	61,857	423,208	485,065	-1.10%
2023	42,045	324,354	366,399	-2.79%	22/23	61,857	429,502	491,359	1.30%
2024	42,045	326,147	368,192	0.49%	23/24	61,857	434,986	496,843	1.12%
2025	42,045	329,094	371,139	0.80%	24/25	61,857	439,043	500,900	0.82%
2026	42,045	331,293	373,338	0.59%	25/26	61,857	442,358	504,215	0.66%
2027	42,045	334,849	376,894	0.95%	26/27	61,857	446,158	508,015	0.75%
2028	41,671	345,051	386,722	2.61%	27/28	61,857	457,831	519,688	2.30%
2029	41,671	347,810	389,481	0.71%	28/29	61,857	460,734	522,591	0.56%
2030	41,671	353,312	394,983	1.41%	29/30	61,857	466,395	528,252	1.08%
2031	41,671	355,888	397,559	0.65%	30/31	61,857	469,134	530,991	0.52%
2032	41,671	358,723	400,394	0.71%	31/32	61,857	472,315	534,172	0.60%
2033	41,671	371,916	413,587	3.30%	32/33	61,857	485,923	547,780	2.55%
2034	41,671	375,100	416,771	0.77%	33/34	61,857	489,686	551,543	0.69%
2035	41,671	378,156	419,827	0.73%	34/35	61,857	493,172	555,029	0.63%
2036	41,671	381,261	422,932	0.74%	35/36	61,857	496,733	558,590	0.64%
2037	41,671	384,396	426,067	0.74%	36/37	61,857	500,332	562,189	0.64%
2038	41,671	387,498	429,169	0.73%	37/38	61,857	503,855	565,712	0.63%
2039	41,671	390,506	432,177	0.70%	38/39	61,857	507,228	569,085	0.60%
2040	41,671	393,644	435,315	0.73%	39/40	61,857	510,787	572,644	0.63%
2041	41,671	396,828	438,499	0.73%	40/41	61,857	514,382	576,239	0.63%
2042	41,671	399,925	441,596	0.71%	41/42	61,857	517,852	579,709	0.60%
2043	41,671	402,995	444,666	0.70%	42/43	61,857	521,231	583,088	0.58%
2044	41,671	406,029	447,700	0.68%	43/44	61,857	524,548	586,405	0.57%
2045	41,671	409,098	450,769	0.69%	44/45	61,857	527,891	589,748	0.57%
2046	41,671	412,053	453,724	0.66%	45/46	61,857	531,015	592,872	0.53%
2047	41,671	415,167	456,838	0.69%	46/47	61,857	534,413	596,270	0.57%
2048	41,671	418,257	459,928	0.68%	47/48	61,857	537,735	599,592	0.56%
2049	41,671	421,426	463,097	0.69%	48/49	61,857	541,170	603,027	0.57%
2050	41,671	424,625	466,296	0.69%	49/50	61,857	544,639	606,496	0.58%

Projected

Central Power

Graph 12a

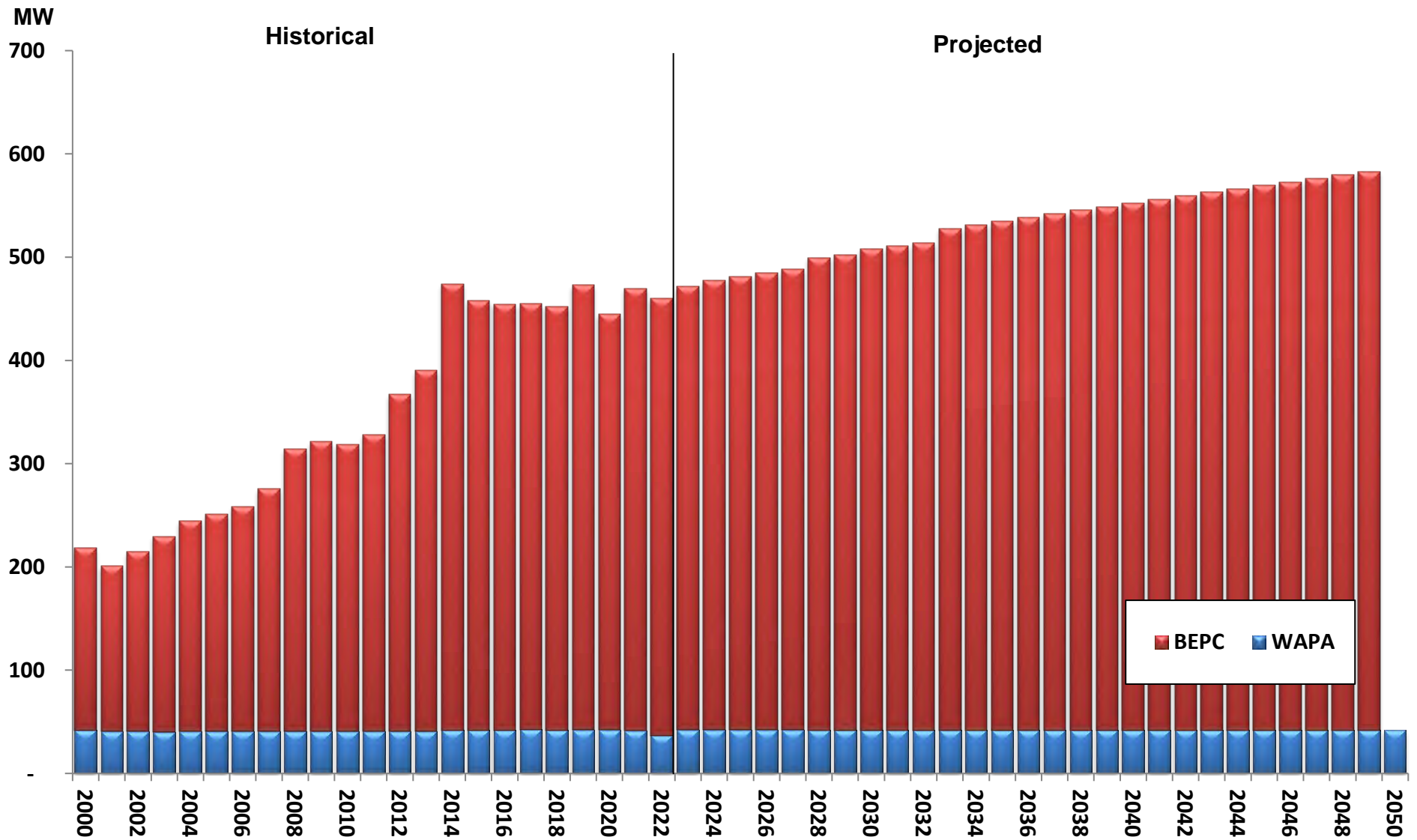
Winter Season Demand Purchases



Central Power

Graph 12b

Summer Season Demand Purchases



Appendix

APPENDIX

Included in this section are historical and projected monthly demand and energy requirements for Central Power, as well as the wholesale power supply purchases for Central Power, Basin Electric and Western.

TOTAL POWER REQUIREMENTS

2024 Load Forecast

Central Power Members

Central Power

Total Demand Requirements (kW)

<u>Year</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>Total</u>
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	178,974	194,483	213,916	247,002	2,369,662
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	297,430	293,432	274,254	210,679	178,912	172,593	198,684	214,987	189,934	225,153	280,421	322,018	2,858,497
2009	313,443	294,773	298,729	229,447	178,106	186,691	185,258	202,553	215,097	232,980	256,454	328,587	2,922,118
2010	325,519	301,800	264,825	217,612	204,767	208,997	231,011	247,860	213,617	257,534	304,868	323,930	3,102,340
2011	330,230	330,647	320,979	253,236	217,121	219,482	237,263	239,222	229,333	262,382	315,997	337,495	3,293,387
2012	373,759	343,285	298,679	249,658	206,442	243,465	264,223	275,481	243,443	289,113	337,153	338,831	3,463,532
2013	377,386	362,991	337,780	301,851	235,599	215,923	245,522	267,527	265,668	300,515	381,430	399,857	3,692,049
2014	479,325	443,916	435,909	374,473	308,572	423,979	307,045	302,954	317,002	367,756	429,629	448,283	4,473,843
2015	463,657	447,083	434,985	318,896	268,687	308,093	321,507	363,800	347,209	323,493	362,512	412,184	4,372,106
2016	436,360	398,486	366,038	317,250	262,364	308,168	336,784	345,273	308,497	325,739	352,366	466,294	4,223,619
2017	464,620	430,673	414,418	322,932	263,141	320,464	353,373	327,326	325,513	354,456	409,674	458,216	4,444,806
2018	463,606	447,347	373,296	411,999	310,627	320,592	327,882	351,176	291,205	347,676	411,466	434,190	4,491,062
2019	483,284	461,927	440,326	331,812	291,466	311,607	321,354	318,750	334,859	376,485	411,596	455,371	4,538,837
2020	455,686	437,952	396,621	362,304	258,631	324,512	333,611	349,510	297,821	353,744	356,958	414,339	4,341,689
2021	432,338	481,809	398,414	323,011	259,533	333,975	349,824	358,568	303,286	312,301	380,341	455,845	4,389,245
2022	476,418	469,640	436,198	343,094	290,351	327,802	347,815	360,879	370,099	337,964	410,345	472,604	4,643,209
2023	482,197	478,742	436,680	351,306	288,595	319,790	336,828	354,155	341,870	359,567	406,573	470,835	4,627,138
2024	487,579	470,257	441,408	354,493	286,720	321,808	341,546	358,059	344,471	361,327	411,857	477,144	4,656,669
2025	491,560	488,129	444,980	357,401	289,191	325,188	345,161	361,747	347,883	364,219	415,234	481,111	4,711,804
2026	494,814	491,310	447,910	359,832	291,309	328,194	347,590	364,235	350,140	366,377	417,795	484,128	4,743,634
2027	498,543	494,977	451,330	362,817	294,013	331,773	352,364	369,042	354,730	369,867	424,625	493,874	4,797,955
2028	509,998	492,054	462,455	373,462	304,343	343,002	362,785	379,511	364,977	379,505	431,641	498,842	4,902,575
2029	512,847	509,150	464,937	375,385	305,885	345,448	365,432	382,219	367,461	381,413	433,979	501,689	4,945,845
2030	518,402	514,635	470,113	380,025	310,180	350,572	370,795	387,618	372,610	386,071	439,033	507,242	5,007,296
2031	521,090	517,246	472,412	381,763	311,554	352,819	373,281	390,146	374,878	387,820	441,197	509,929	5,034,135
2032	524,212	505,615	475,108	383,804	313,159	355,286	376,004	392,928	377,396	389,869	443,713	513,037	5,050,131
2033	537,566	533,589	488,013	396,015	324,897	367,906	388,883	405,875	390,079	402,076	456,419	526,366	5,217,684
2034	541,259	537,218	491,227	398,465	326,813	370,681	391,926	409,000	392,937	404,518	459,400	530,019	5,253,463
2035	544,680	540,575	494,199	400,733	328,596	373,352	394,853	411,999	395,675	406,781	462,167	533,413	5,287,023
2036	548,175	528,848	497,242	403,056	330,422	376,068	397,824	415,046	398,462	409,099	464,996	536,878	5,306,116
2037	551,707	547,479	500,321	405,419	332,282	378,821	400,826	418,123	401,286	411,447	467,862	540,377	5,355,950
2038	555,164	550,877	503,339	407,735	334,111	381,545	403,796	421,167	404,081	413,753	470,672	543,808	5,390,048
2039	558,474	554,131	506,222	409,951	335,858	384,186	406,683	424,119	406,785	415,964	473,362	547,095	5,422,830
2040	561,967	541,935	509,278	412,310	337,722	386,953	409,681	427,198	409,625	418,303	476,209	550,557	5,441,738
2041	565,495	561,039	512,364	414,692	339,605	389,756	412,732	430,323	412,504	420,672	479,087	554,057	5,492,326
2042	568,900	564,392	515,341	416,995	341,426	392,487	415,698	433,362	415,304	422,961	481,867	557,437	5,526,170
2043	572,216	567,649	518,231	419,230	343,195	395,193	418,648	436,375	418,071	425,187	484,569	560,732	5,559,296
2044	575,471	554,761	521,072	421,425	344,936	397,873	421,560	439,352	420,806	427,371	487,229	563,971	5,575,827
2045	578,752	574,070	523,932	423,640	346,695	400,582	424,513	442,364	423,573	429,579	489,910	567,233	5,624,843
2046	581,817	577,076	526,598	425,707	348,339	403,193	427,356	445,264	426,225	431,638	492,416	570,293	5,655,922
2047	585,152	580,357	529,506	427,959	350,127	405,943	430,351	448,320	429,035	433,884	495,142	573,609	5,689,385
2048	588,412	582,031	532,345	430,160	351,878	408,675	433,323	451,352	431,819	436,076	497,808	576,856	5,705,735
2049	591,783	586,869	535,279	432,433	353,678	411,472	436,372	454,462	434,672	438,344	500,560	580,209	5,756,133
2050	595,187	590,212	538,244	434,732	355,505	414,303	439,450	457,602	437,559	440,632	503,346	583,598	5,790,370

Projected

Central Power

Total Energy Requirements (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
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	175,743	161,615	146,966	122,654	107,476	99,549	116,825	127,802	114,598	132,389	161,081	198,441	1,665,139
2009	190,772	159,946	166,653	129,530	112,970	109,111	113,024	116,268	127,827	147,929	158,843	203,451	1,736,324
2010	192,819	168,889	156,486	127,669	124,652	115,632	133,142	144,241	134,125	154,135	176,108	204,352	1,832,250
2011	208,196	180,988	184,732	146,517	132,272	122,721	138,646	139,219	135,293	153,760	180,320	198,000	1,920,664
2012	204,182	182,783	158,677	140,422	132,584	132,998	155,978	161,303	142,228	170,242	189,715	218,012	1,989,124
2013	222,982	186,405	199,405	166,670	136,558	127,042	144,579	151,840	147,106	180,849	216,738	251,332	2,131,506
2014	265,817	245,453	232,951	192,031	173,845	157,378	174,418	174,009	181,302	201,444	248,178	245,697	2,492,523
2015	256,381	244,096	215,160	179,496	167,309	162,820	185,421	194,425	175,329	190,890	208,709	238,816	2,418,852
2016	254,873	213,025	199,082	178,378	162,829	168,435	183,272	195,554	169,750	200,953	212,136	272,513	2,410,800
2017	263,580	218,529	229,181	185,344	172,987	175,275	200,617	184,021	170,654	198,206	233,594	258,683	2,490,671
2018	267,407	245,828	225,879	202,335	178,362	180,607	187,960	196,946	173,038	212,127	242,973	252,800	2,566,262
2019	276,468	259,744	234,887	189,113	177,128	171,696	187,570	181,948	180,291	210,696	236,305	265,678	2,571,524
2020	266,277	231,690	224,753	191,333	163,952	174,178	182,826	195,282	179,185	209,017	212,572	237,111	2,468,176
2021	240,322	247,973	205,892	183,664	162,411	177,625	197,239	188,121	165,836	185,341	218,485	262,148	2,435,057
2022	276,965	248,805	229,701	201,696	169,694	169,432	190,488	192,786	182,887	199,010	232,757	272,554	2,566,775
2023	273,977	249,823	232,973	195,106	173,768	174,703	192,006	195,988	187,184	208,454	234,185	269,781	2,587,948
2024	277,034	252,609	235,421	197,583	174,248	174,641	193,741	197,041	187,630	210,082	237,173	273,336	2,610,539
2025	279,346	254,747	237,402	199,300	175,857	176,338	195,654	198,912	189,265	211,826	239,143	275,636	2,633,426
2026	281,259	256,524	239,065	200,754	177,243	177,816	196,883	200,105	190,262	213,139	240,622	277,388	2,651,060
2027	283,508	258,642	241,080	202,583	179,012	179,678	199,470	202,650	192,607	215,261	244,538	282,918	2,681,947
2028	290,666	265,659	247,986	209,281	185,642	186,404	205,829	208,971	198,726	221,434	249,234	286,512	2,756,344
2029	292,355	267,193	249,385	210,446	186,715	187,563	207,184	210,290	199,843	222,620	250,614	288,191	2,772,399
2030	295,837	270,515	252,562	213,384	189,553	190,477	210,293	213,362	202,719	225,590	253,785	291,661	2,809,738
2031	297,608	272,123	254,023	214,596	190,666	191,668	211,685	214,719	203,871	226,832	255,233	293,419	2,826,443
2032	299,585	273,921	255,649	215,943	191,892	192,965	213,197	216,196	205,131	228,218	256,854	295,380	2,844,931
2033	307,496	281,645	263,192	223,195	199,009	200,155	220,607	223,572	212,293	235,506	264,392	303,277	2,934,339
2034	309,733	283,680	265,026	224,710	200,374	201,579	222,264	225,196	213,704	237,068	266,224	305,493	2,955,051
2035	311,808	285,566	266,728	226,121	201,654	202,928	223,836	226,733	215,024	238,515	267,921	307,549	2,974,383
2036	313,900	287,468	268,446	227,543	202,944	204,288	225,421	228,281	216,353	239,979	269,635	309,624	2,993,882
2037	315,992	289,369	270,165	228,968	204,232	205,650	227,004	229,831	217,687	241,440	271,347	311,698	3,013,383
2038	318,034	291,226	271,842	230,358	205,495	206,985	228,560	231,351	218,992	242,868	273,018	313,723	3,032,452
2039	319,989	293,004	273,449	231,692	206,710	208,275	230,065	232,818	220,243	244,239	274,621	315,664	3,050,769
2040	322,008	294,838	275,111	233,067	207,961	209,599	231,607	234,325	221,543	245,649	276,271	317,667	3,069,646
2041	324,051	296,695	276,789	234,459	209,228	210,945	233,175	235,855	222,851	247,084	277,948	319,694	3,088,774
2042	326,031	298,492	278,417	235,809	210,459	212,251	234,698	237,343	224,127	248,470	279,568	321,657	3,107,322
2043	327,964	300,248	280,006	237,133	211,669	213,546	236,210	238,813	225,374	249,830	281,154	323,581	3,125,528
2044	329,865	301,976	281,572	238,434	212,861	214,821	237,700	240,264	226,609	251,165	282,710	325,466	3,143,443
2045	331,781	303,714	283,151	239,747	214,064	216,111	239,207	241,729	227,855	252,512	284,280	327,372	3,161,523
2046	333,586	305,348	284,639	240,985	215,206	217,347	240,653	243,134	229,035	253,783	285,758	329,165	3,178,639
2047	335,538	307,121	286,244	242,322	216,432	218,660	242,186	244,625	230,303	255,159	287,360	331,104	3,197,054
2048	337,448	308,857	287,818	243,632	217,637	219,956	243,700	246,096	231,552	256,503	288,924	333,004	3,215,127
2049	339,427	310,651	289,444	244,984	218,877	221,289	245,258	247,608	232,836	257,893	290,544	334,968	3,233,779
2050	341,420	312,461	291,088	246,350	220,130	222,633	246,826	249,138	234,138	259,296	292,177	336,950	3,252,607

Projected

WHOLESALE POWER SUPPLY PURCHASES

2024 Load Forecast

Central Power

Central Power

WAPA Demand Purchases (kW)

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Total
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	59,575	59,828	57,656	49,758	38,014	38,256	40,471	39,918	35,519	40,626	57,675	60,780	578,076
2009	59,571	59,831	57,724	49,745	37,990	38,268	40,471	39,921	35,523	40,606	57,587	60,802	578,039
2010	59,602	59,857	57,654	49,724	37,987	38,253	40,480	39,947	35,541	40,629	57,628	60,807	578,109
2011	59,578	59,832	57,717	49,779	38,000	38,256	40,459	39,918	35,511	40,621	57,576	60,795	578,042
2012	59,591	59,845	57,724	49,747	37,995	38,246	40,461	39,916	35,505	40,622	57,670	60,820	578,142
2013	59,619	59,841	57,738	49,776	37,994	38,260	40,456	39,953	35,518	40,612	57,610	60,803	578,180
2014	62,066	62,392	60,273	52,007	39,398	39,683	42,430	41,905	36,528	41,654	60,108	63,379	601,823
2015	62,199	62,468	60,270	52,008	39,408	39,685	42,417	41,901	37,093	42,213	60,101	63,492	603,255
2016	62,077	62,353	60,220	51,953	39,363	39,729	42,377	41,856	37,178	42,226	60,058	63,392	602,782
2017	62,026	62,313	60,242	51,956	39,360	39,818	42,386	41,854	37,302	42,286	60,082	63,361	602,986
2018	62,026	62,323	60,267	51,946	39,424	39,660	42,388	41,931	37,049	42,148	60,108	63,336	602,606
2019	62,053	62,387	60,043	51,784	39,307	39,542	42,244	41,715	36,936	42,045	59,895	63,180	601,131
2020	61,855	62,186	60,074	51,828	39,260	39,609	42,240	41,712	37,015	42,039	59,886	63,136	600,840
2021	61,849	62,198	60,033	51,763	38,712	38,981	41,675	41,414	36,575	42,018	59,872	63,162	598,252
2022	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2023	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2024	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2025	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2026	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2027	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2028	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2029	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2030	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2031	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2032	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2033	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2034	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2035	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2036	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2037	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2038	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2039	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2040	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2041	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2042	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2043	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2044	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2045	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2046	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2047	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2048	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2049	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283
2050	61,857	62,169	60,051	51,789	39,169	39,443	42,144	41,671	36,877	42,045	59,907	63,161	600,283

Note: Includes Omega WAPA Allocation from 2000 through 2050

Projected

Central Power

Basin Electric Demand Purchases (kW)

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Total
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	249,572	245,140	227,206	169,123	147,328	140,444	165,038	182,915	160,854	193,015	233,405	273,304	2,387,344
2009	265,738	245,957	252,266	187,940	145,364	155,952	150,278	169,699	184,279	200,643	207,575	280,614	2,446,305
2010	277,630	252,566	216,831	175,219	172,433	176,911	197,109	215,250	184,030	224,417	257,711	274,242	2,624,349
2011	282,053	282,511	274,298	211,693	186,218	187,369	203,570	205,879	200,454	228,659	268,182	287,432	2,818,318
2012	326,412	294,584	250,194	207,273	173,655	212,251	231,317	243,722	214,961	257,195	290,237	288,841	2,990,642
2013	330,387	315,102	290,709	261,730	205,546	182,870	211,226	234,587	246,450	268,024	334,370	349,722	3,230,723
2014	432,501	394,731	388,378	334,590	260,320	227,829	274,243	271,327	291,006	336,294	384,391	397,352	3,992,962
2015	416,016	399,341	389,098	276,926	237,966	278,102	292,738	328,041	321,363	291,447	311,529	355,203	3,897,770
2016	383,611	344,788	313,407	271,757	229,012	274,763	301,719	309,973	277,671	289,963	299,480	412,533	3,708,677
2017	412,391	377,590	362,173	277,157	229,772	286,741	317,921	292,090	294,406	319,574	357,627	403,751	3,931,193
2018	410,399	393,637	320,405	367,936	277,402	288,359	291,757	316,401	260,533	312,363	359,050	379,181	3,977,423
2019	430,636	408,440	388,432	286,000	257,185	277,951	285,484	323,455	304,469	341,394	360,735	400,603	4,024,784
2020	402,573	384,071	343,811	317,023	223,822	291,377	297,651	314,688	266,099	317,782	303,214	358,469	3,820,580
2021	373,919	428,267	345,284	276,579	225,330	300,917	314,143	323,637	272,089	275,220	327,180	400,971	3,863,536
2022	423,208	416,063	383,939	297,090	255,863	294,796	312,064	325,655	340,047	301,712	357,714	418,294	4,126,445
2023	429,502	425,669	384,926	306,192	254,909	286,423	301,084	319,213	311,489	324,354	354,391	416,620	4,114,772
2024	434,986	417,023	389,744	309,439	252,999	288,479	305,891	323,191	314,139	326,147	359,775	423,049	4,144,862
2025	439,043	435,234	393,384	312,403	255,517	291,924	309,575	326,949	317,616	329,094	363,216	427,091	4,201,046
2026	442,358	438,476	396,369	314,880	257,675	294,987	312,050	329,484	319,916	331,293	365,826	430,165	4,233,479
2027	446,158	442,213	399,854	317,922	260,430	298,634	316,915	334,383	324,593	334,849	372,786	440,097	4,288,834
2028	457,831	439,234	411,191	328,769	270,957	310,076	327,534	345,051	335,035	344,671	379,935	445,159	4,395,443
2029	460,734	456,655	413,720	330,728	272,528	312,569	330,231	347,810	337,566	346,615	382,318	448,060	4,439,534
2030	466,395	462,244	418,994	335,456	276,904	317,790	335,696	353,312	342,813	351,361	387,468	453,719	4,502,152
2031	469,134	464,905	421,337	337,227	278,305	320,080	338,229	355,888	345,124	353,144	389,673	456,457	4,529,503
2032	472,315	453,053	424,084	339,307	279,940	322,593	341,004	358,723	347,690	355,232	392,237	459,624	4,545,802
2033	485,923	481,558	437,234	351,750	291,901	335,453	354,128	371,916	360,614	367,670	405,184	473,206	4,716,537
2034	489,686	485,256	440,509	354,247	293,853	338,281	357,229	375,100	363,526	370,159	408,222	476,928	4,752,996
2035	493,172	488,677	443,538	356,558	295,670	341,003	360,211	378,156	366,316	372,465	411,041	480,387	4,787,194
2036	496,733	476,727	446,639	358,925	297,531	343,770	363,239	381,261	369,156	374,827	413,924	483,918	4,806,650
2037	500,332	495,712	449,776	361,333	299,426	346,576	366,298	384,396	372,033	377,219	416,844	487,483	4,857,428
2038	503,855	499,175	452,851	363,693	301,290	349,351	369,324	387,498	374,882	379,569	419,708	490,979	4,892,175
2039	507,228	502,490	455,789	365,951	303,070	352,043	372,266	390,506	377,637	381,822	422,449	494,329	4,925,580
2040	510,787	490,063	458,903	368,355	304,970	354,862	375,321	393,644	380,531	384,206	425,350	497,857	4,944,849
2041	514,382	509,530	462,048	370,782	306,888	357,718	378,430	396,828	383,465	386,620	428,283	501,423	4,996,397
2042	517,852	512,946	465,081	373,129	308,744	360,501	381,452	399,925	386,318	388,952	431,115	504,867	5,030,882
2043	521,231	516,265	468,026	375,406	310,547	363,259	384,458	402,995	389,137	391,221	433,869	508,225	5,064,639
2044	524,548	503,132	470,921	377,643	312,321	365,990	387,426	406,029	391,924	393,446	436,579	511,525	5,081,484
2045	527,891	522,808	473,836	379,900	314,113	368,750	390,435	409,098	394,744	395,696	439,311	514,849	5,131,431
2046	531,015	525,871	476,552	382,006	315,788	371,411	393,332	412,053	397,446	397,794	441,865	517,968	5,163,101
2047	534,413	529,215	479,516	384,301	317,610	374,213	396,384	415,167	400,310	400,083	444,643	521,347	5,197,202
2048	537,735	515,636	482,409	386,544	319,395	376,997	399,412	418,257	403,147	402,316	447,359	524,655	5,213,862
2049	541,170	535,851	485,398	388,860	321,229	379,847	402,519	421,426	406,054	404,628	450,164	528,072	5,265,218
2050	544,639	539,257	488,420	391,203	323,091	382,732	405,656	424,625	408,996	406,959	453,003	531,525	5,300,106

Projected

Central Power

Total System Demand Purchases (kW)

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Total
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	309,147	304,968	284,862	218,881	185,342	178,700	205,509	222,833	196,373	233,641	291,080	334,084	2,965,420
2009	325,309	305,788	309,990	237,685	183,354	194,220	190,749	209,620	219,802	241,249	265,162	341,416	3,024,344
2010	337,232	312,423	274,485	224,943	210,420	215,164	237,589	255,197	219,571	265,046	315,339	335,049	3,202,458
2011	341,631	342,343	332,015	261,472	224,218	225,625	244,029	245,797	235,965	269,280	325,758	348,227	3,396,360
2012	386,003	354,429	307,918	257,020	211,650	250,497	271,778	283,638	250,466	297,817	347,907	349,661	3,568,784
2013	390,006	374,943	348,447	311,506	243,540	221,130	251,682	274,540	281,968	308,636	391,980	410,525	3,808,903
2014	494,567	457,123	448,651	386,597	299,718	267,512	316,673	313,232	327,534	377,948	444,499	460,731	4,594,785
2015	478,215	461,809	449,368	328,934	277,374	317,787	335,155	369,942	358,456	333,660	371,630	418,695	4,501,025
2016	445,688	407,141	373,627	323,710	268,375	314,492	344,096	351,829	314,849	332,189	359,538	475,925	4,311,459
2017	474,417	439,903	422,415	329,113	269,132	326,559	360,307	333,944	331,708	361,860	417,709	467,112	4,534,179
2018	472,425	455,960	380,672	419,882	316,826	328,019	334,145	358,332	297,582	354,511	419,158	442,517	4,580,029
2019	492,689	470,827	448,475	337,784	296,492	317,493	327,728	325,170	341,405	383,439	420,630	463,783	4,625,915
2020	464,428	446,257	403,885	368,851	263,082	330,986	339,891	356,400	303,114	359,821	363,100	421,605	4,421,420
2021	435,768	490,465	405,317	328,342	264,042	339,898	355,818	365,051	308,664	317,238	387,052	464,133	4,461,788
2022	485,065	478,232	443,990	348,879	295,032	334,239	354,208	367,326	376,924	343,757	417,621	481,455	4,726,728
2023	491,359	487,838	444,977	357,981	294,078	325,866	343,228	360,884	348,366	366,399	414,298	479,781	4,715,055
2024	496,843	479,192	449,795	361,228	292,168	327,922	348,035	364,862	351,016	368,192	419,682	486,210	4,745,145
2025	500,900	497,403	453,435	364,192	294,686	331,367	351,719	368,620	354,493	371,139	423,123	490,252	4,801,329
2026	504,215	500,645	456,420	366,669	296,844	334,430	354,194	371,155	356,793	373,338	425,733	493,326	4,833,762
2027	508,015	504,382	459,905	369,711	299,599	338,077	359,059	376,054	361,470	376,894	432,693	503,258	4,889,117
2028	519,688	501,403	471,242	380,558	310,126	349,519	369,678	386,722	371,912	386,716	439,842	508,320	4,995,726
2029	522,591	518,824	473,771	382,517	311,697	352,012	372,375	389,481	374,443	388,660	442,225	511,221	5,039,817
2030	528,252	524,413	479,045	387,245	316,073	357,233	377,840	394,983	379,690	393,406	447,375	516,880	5,102,435
2031	530,991	527,074	481,388	389,016	317,474	359,523	380,373	397,559	382,001	395,189	449,580	519,618	5,129,786
2032	534,172	515,222	484,135	391,096	319,109	362,036	383,148	400,394	384,567	397,277	452,144	522,785	5,146,085
2033	547,780	543,727	497,285	403,539	331,070	374,896	396,272	413,587	397,491	409,715	465,091	536,367	5,316,820
2034	551,543	547,425	500,560	406,036	333,022	377,724	399,373	416,771	400,403	412,204	468,129	540,089	5,353,279
2035	555,029	550,846	503,589	408,347	334,839	380,446	402,355	419,827	403,193	414,510	470,948	543,548	5,387,477
2036	558,590	538,896	506,690	410,714	336,700	383,213	405,383	422,932	406,033	416,872	473,831	547,079	5,406,933
2037	562,189	557,881	509,827	413,122	338,595	386,019	408,442	426,067	408,910	419,264	476,751	550,644	5,457,711
2038	565,712	561,344	512,902	415,482	340,459	388,794	411,468	429,169	411,759	421,614	479,615	554,140	5,492,458
2039	569,085	564,659	515,840	417,740	342,239	391,486	414,410	432,177	414,514	423,867	482,356	557,490	5,525,863
2040	572,644	552,232	518,954	420,144	344,139	394,305	417,465	435,315	417,408	426,251	485,257	561,018	5,545,132
2041	576,239	571,699	522,099	422,571	346,057	397,161	420,574	438,499	420,342	428,665	488,190	564,584	5,596,680
2042	579,709	575,115	525,132	424,918	347,913	399,944	423,596	441,596	423,195	430,997	491,022	568,028	5,631,165
2043	583,088	578,434	528,077	427,195	349,716	402,702	426,602	444,666	426,014	433,266	493,776	571,386	5,664,922
2044	586,405	565,301	530,972	429,432	351,490	405,433	429,570	447,700	428,801	435,491	496,486	574,686	5,681,767
2045	589,748	584,977	533,887	431,689	353,282	408,193	432,579	450,769	431,621	437,741	499,218	578,010	5,731,714
2046	592,872	588,040	536,603	433,795	354,957	410,854	435,476	453,724	434,323	439,839	501,772	581,129	5,763,384
2047	596,270	591,384	539,567	436,090	356,779	413,656	438,528	456,838	437,187	442,128	504,550	584,508	5,797,485
2048	599,592	577,805	542,460	438,333	358,564	416,440	441,556	459,928	440,024	444,361	507,266	587,816	5,814,145
2049	603,027	598,020	545,449	440,649	360,398	419,290	444,663	463,097	442,931	446,673	510,071	591,233	5,865,501
2050	606,496	601,426	548,471	442,992	362,260	422,175	447,800	466,296	445,873	449,004	512,910	594,686	5,900,389

Note: Includes Omega WAPA Allocation from 2000 through 2050

Projected

Central Power

WAPA Energy Purchases (MWh)

<u>Year</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>Total</u>
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	33,744	37,240	28,755	28,235	21,046	20,430	21,153	21,579	20,478	22,574	28,740	35,838	319,812
2009	33,747	35,962	28,756	28,239	21,048	20,436	21,186	21,583	20,474	22,565	28,726	35,838	318,560
2010	33,743	35,959	28,717	28,239	21,051	20,430	21,187	21,556	20,481	22,563	28,728	35,852	318,506
2011	33,751	35,954	28,742	28,237	21,037	20,435	21,169	21,572	20,443	22,562	28,723	35,837	318,462
2012	33,741	37,244	28,752	28,248	20,905	20,421	21,177	21,570	20,466	22,566	28,717	35,851	319,658
2013	33,742	35,957	28,750	28,223	20,882	20,423	21,151	21,335	20,475	22,549	28,732	35,846	318,065
2014	35,106	37,358	29,887	29,277	21,780	21,140	21,985	22,260	20,841	22,991	29,426	36,906	328,957
2015	35,071	37,370	29,887	29,376	21,785	21,143	21,962	22,409	21,219	23,383	29,792	37,268	330,665
2016	35,093	38,658	29,867	29,353	21,751	21,112	21,956	22,376	21,196	23,363	29,765	37,217	331,707
2017	35,090	37,351	29,871	29,422	21,751	21,112	21,947	22,473	21,448	23,627	30,011	37,455	331,558
2018	35,081	37,319	29,867	29,223	21,764	21,128	21,959	22,389	21,205	23,131	29,762	37,201	330,029
2019	35,078	37,325	29,992	29,491	21,900	21,248	21,818	22,373	21,301	23,475	29,917	37,367	331,285
2020	35,244	38,834	29,990	29,493	21,891	21,239	22,086	22,508	21,324	23,491	29,901	37,367	333,368
2021	35,238	37,499	29,952	29,178	21,498	20,866	21,692	22,117	20,951	23,240	29,888	37,359	329,478
2022	35,219	37,480	29,984	29,468	21,864	21,033	22,084	22,500	21,326	23,487	29,920	37,382	331,747
2023	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2024	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2025	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2026	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2027	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2028	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2029	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2030	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2031	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2032	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2033	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2034	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2035	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2036	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2037	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2038	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2039	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2040	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2041	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2042	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2043	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2044	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2045	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2046	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2047	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2048	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2049	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313
2050	35,235	37,492	29,982	29,399	21,809	21,128	21,953	22,403	21,248	23,391	29,906	37,367	331,313

Note: Includes Omega WAPA Allocation from 1990 through 2025

Projected

Central Power

Basin Electric Energy Purchases (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
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	149,067	130,676	123,996	98,967	90,753	82,809	100,022	111,010	98,284	114,766	138,679	170,348	1,409,377
2009	164,449	130,133	144,806	106,013	96,015	92,782	96,061	99,059	112,306	130,932	136,008	175,490	1,484,054
2010	166,201	138,936	133,510	103,864	107,468	98,699	116,029	127,319	117,931	136,475	153,649	175,903	1,575,984
2011	181,996	150,234	162,547	123,155	115,609	105,933	121,681	121,914	118,966	135,722	157,487	168,614	1,663,858
2012	177,280	151,446	135,007	116,460	115,757	116,615	139,669	144,849	126,219	153,296	167,393	189,569	1,733,560
2013	196,954	156,667	178,885	142,005	119,672	110,370	127,669	134,966	131,174	164,006	194,883	223,186	1,880,437
2014	239,286	215,755	210,251	168,473	157,611	140,994	157,659	157,001	166,531	184,739	226,906	222,490	2,247,696
2015	229,703	214,594	192,092	155,575	150,623	146,628	169,081	178,117	159,522	173,320	185,506	209,130	2,163,891
2016	224,661	179,578	173,259	152,653	144,228	150,630	165,012	176,837	151,295	181,359	186,393	240,800	2,126,705
2017	233,866	185,526	203,868	160,361	153,630	157,213	182,269	164,986	152,888	177,983	208,094	226,296	2,206,980
2018	237,358	213,212	200,233	176,834	159,678	162,571	169,423	178,152	154,854	192,749	217,667	220,245	2,282,976
2019	246,560	227,410	209,181	162,877	158,001	153,409	169,075	163,007	162,049	191,098	211,287	233,139	2,287,093
2020	236,004	197,139	198,796	165,280	145,077	156,108	164,167	176,105	160,918	188,938	186,237	203,796	2,178,565
2021	209,222	214,874	179,356	157,715	143,809	159,736	178,965	169,159	147,597	165,341	192,281	229,357	2,147,412
2022	246,662	215,759	203,704	175,658	150,684	151,315	171,813	173,728	164,591	178,805	206,888	240,138	2,279,745
2023	243,674	216,828	207,185	169,219	155,087	156,720	173,509	177,113	169,305	188,815	208,494	237,270	2,303,219
2024	246,786	219,664	209,677	171,740	155,575	156,657	175,275	178,185	169,759	190,472	211,536	240,889	2,326,215
2025	249,139	221,840	211,693	173,488	157,213	158,384	177,223	180,089	171,424	192,248	213,542	243,230	2,349,513
2026	251,087	223,649	213,386	174,969	158,624	159,889	178,474	181,304	172,439	193,585	215,047	245,014	2,367,467
2027	253,376	225,806	215,437	176,830	160,425	161,784	181,107	183,895	174,826	195,745	219,034	250,644	2,398,909
2028	260,663	232,949	222,468	183,649	167,175	168,631	187,581	190,329	181,055	202,029	223,814	254,302	2,474,645
2029	262,382	234,510	223,892	184,835	168,267	169,811	188,960	191,672	182,192	203,236	225,219	256,011	2,490,987
2030	265,927	237,892	227,126	187,826	171,156	172,778	192,125	194,800	185,120	206,260	228,447	259,544	2,529,001
2031	267,730	239,529	228,613	189,060	172,289	173,990	193,542	196,181	186,293	207,524	229,921	261,334	2,546,006
2032	269,743	241,360	230,269	190,431	173,537	175,310	195,082	197,685	187,575	208,935	231,571	263,330	2,564,828
2033	277,796	249,223	237,947	197,814	180,782	182,630	202,625	205,193	194,866	216,354	239,245	271,369	2,655,844
2034	280,073	251,294	239,814	199,356	182,172	184,079	204,312	206,847	196,303	217,944	241,110	273,625	2,676,929
2035	282,186	253,214	241,547	200,792	183,475	185,453	205,912	208,411	197,646	219,417	242,838	275,718	2,696,609
2036	284,315	255,150	243,296	202,240	184,788	186,837	207,526	209,987	198,999	220,908	244,582	277,830	2,716,458
2037	286,445	257,086	245,046	203,690	186,099	188,224	209,137	211,565	200,357	222,395	246,325	279,942	2,736,311
2038	288,524	258,976	246,753	205,105	187,385	189,583	210,721	213,112	201,686	223,849	248,026	282,003	2,755,723
2039	290,514	260,786	248,389	206,463	188,622	190,896	212,253	214,606	202,959	225,244	249,658	283,979	2,774,369
2040	292,569	262,653	250,081	207,863	189,895	192,244	213,823	216,140	204,283	226,680	251,338	286,018	2,793,587
2041	294,649	264,544	251,789	209,280	191,185	193,614	215,419	217,697	205,614	228,141	253,045	288,081	2,813,058
2042	296,665	266,373	253,447	210,655	192,438	194,944	216,970	219,212	206,913	229,551	254,694	290,080	2,831,942
2043	298,632	268,160	255,064	212,002	193,670	196,262	218,509	220,709	208,183	230,936	256,309	292,038	2,850,474
2044	300,568	269,920	256,658	213,327	194,883	197,560	220,026	222,186	209,440	232,295	257,893	293,957	2,868,713
2045	302,518	271,689	258,266	214,663	196,108	198,873	221,560	223,677	210,708	233,666	259,491	295,898	2,887,117
2046	304,356	273,352	259,781	215,924	197,271	200,131	223,032	225,107	211,910	234,960	260,996	297,723	2,904,543
2047	306,343	275,157	261,414	217,285	198,519	201,468	224,592	226,625	213,200	236,361	262,626	299,697	2,923,287
2048	308,287	276,924	263,017	218,618	199,745	202,787	226,134	228,123	214,472	237,729	264,219	301,631	2,941,686
2049	310,302	278,751	264,672	219,995	201,008	204,144	227,720	229,662	215,779	239,144	265,868	303,630	2,960,675
2050	312,331	280,593	266,346	221,385	202,283	205,512	229,316	231,219	217,104	240,572	267,530	305,648	2,979,839

Projected

Central Power

Total System Energy Purchases (MWh)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
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	182,811	167,916	152,751	127,202	111,799	103,239	121,175	132,589	118,762	137,340	167,419	206,186	1,729,189
2009	198,196	166,095	173,562	134,252	117,063	113,218	117,247	120,642	132,780	153,497	164,734	211,328	1,802,614
2010	199,944	174,895	162,227	132,103	128,519	119,129	137,216	148,875	138,412	159,038	182,377	211,755	1,894,490
2011	215,747	186,188	191,289	151,392	136,646	126,368	142,850	143,486	139,409	158,284	186,210	204,451	1,982,320
2012	211,021	188,690	163,759	144,708	136,662	137,036	160,846	166,419	146,685	175,862	196,110	225,420	2,053,218
2013	230,696	192,624	207,635	170,228	140,554	130,793	148,820	156,301	151,649	186,555	223,615	259,032	2,198,502
2014	274,392	253,113	240,138	197,750	179,391	162,134	179,644	179,261	187,372	207,730	256,332	259,396	2,576,653
2015	264,774	251,964	221,979	184,951	172,408	167,771	191,043	200,526	180,741	196,703	215,298	246,398	2,494,556
2016	259,754	218,236	203,126	182,006	165,979	171,742	186,968	199,213	172,491	204,722	216,158	278,017	2,458,412
2017	268,956	222,877	233,739	189,783	175,381	178,325	204,216	187,459	174,336	201,610	238,105	263,751	2,538,538
2018	272,439	250,531	230,100	206,057	181,442	183,699	191,382	200,541	176,059	215,880	247,429	257,446	2,613,005
2019	281,638	264,735	239,173	192,368	179,901	174,657	190,893	185,380	183,350	214,573	241,204	270,506	2,618,378
2020	271,248	235,973	228,786	194,773	166,968	177,347	186,253	198,613	182,242	212,429	216,138	241,163	2,511,933
2021	244,460	252,373	209,308	186,893	165,307	180,602	200,657	191,276	168,548	188,581	222,169	266,716	2,476,890
2022	281,881	253,239	233,688	205,126	172,548	172,348	193,897	196,228	185,917	202,292	236,808	277,520	2,611,492
2023	278,909	254,320	237,167	198,618	176,896	177,848	195,462	199,516	190,553	212,206	238,400	274,637	2,634,532
2024	282,021	257,156	239,659	201,139	177,384	177,785	197,228	200,588	191,007	213,863	241,442	278,256	2,657,528
2025	284,374	259,332	241,675	202,887	179,022	179,512	199,176	202,492	192,672	215,639	243,448	280,597	2,680,826
2026	286,322	261,141	243,368	204,368	180,433	181,017	200,427	203,707	193,687	216,976	244,953	282,381	2,698,780
2027	288,611	263,298	245,419	206,229	182,234	182,912	203,060	206,298	196,074	219,136	248,940	288,011	2,730,222
2028	295,898	270,441	252,450	213,048	188,984	189,759	209,534	212,732	202,303	225,420	253,720	291,669	2,805,958
2029	297,617	272,002	253,874	214,234	190,076	190,939	210,913	214,075	203,440	226,627	255,125	293,378	2,822,300
2030	301,162	275,384	257,108	217,225	192,965	193,906	214,078	217,203	206,368	229,651	258,353	296,911	2,860,314
2031	302,965	277,021	258,595	218,459	194,098	195,118	215,495	218,584	207,541	230,915	259,827	298,701	2,877,319
2032	304,978	278,852	260,251	219,830	195,346	196,438	217,035	220,088	208,823	232,326	261,477	300,697	2,896,141
2033	313,031	286,715	267,929	227,213	202,591	203,758	224,578	227,596	216,114	239,745	269,151	308,736	2,987,157
2034	315,308	288,786	269,796	228,755	203,981	205,207	226,265	229,250	217,551	241,335	271,016	310,992	3,008,242
2035	317,421	290,706	271,529	230,191	205,284	206,581	227,865	230,814	218,894	242,808	272,744	313,085	3,027,922
2036	319,550	292,642	273,278	231,639	206,597	207,965	229,479	232,390	220,247	244,299	274,488	315,197	3,047,771
2037	321,680	294,578	275,028	233,089	207,908	209,352	231,090	233,968	221,605	245,786	276,231	317,309	3,067,624
2038	323,759	296,468	276,735	234,504	209,194	210,711	232,674	235,515	222,934	247,240	277,932	319,370	3,087,036
2039	325,749	298,278	278,371	235,862	210,431	212,024	234,206	237,009	224,207	248,635	279,564	321,346	3,105,682
2040	327,804	300,145	280,063	237,262	211,704	213,372	235,776	238,543	225,531	250,071	281,244	323,385	3,124,900
2041	329,884	302,036	281,771	238,679	212,994	214,742	237,372	240,100	226,862	251,532	282,951	325,448	3,144,371
2042	331,900	303,865	283,429	240,054	214,247	216,072	238,923	241,615	228,161	252,942	284,600	327,447	3,163,255
2043	333,867	305,652	285,046	241,401	215,479	217,390	240,462	243,112	229,431	254,327	286,215	329,405	3,181,787
2044	335,803	307,412	286,640	242,726	216,692	218,688	241,979	244,589	230,688	255,686	287,799	331,324	3,200,026
2045	337,753	309,181	288,248	244,062	217,917	220,001	243,513	246,080	231,956	257,057	289,397	333,265	3,218,430
2046	339,591	310,844	289,763	245,323	219,080	221,259	244,985	247,510	233,158	258,351	290,902	335,090	3,235,856
2047	341,578	312,649	291,396	246,684	220,328	222,596	246,545	249,028	234,448	259,752	292,532	337,064	3,254,600
2048	343,522	314,416	292,999	248,017	221,554	223,915	248,087	250,526	235,720	261,120	294,125	338,998	3,272,999
2049	345,537	316,243	294,654	249,394	222,817	225,272	249,673	252,065	237,027	262,535	295,774	340,997	3,291,988
2050	347,566	318,085	296,328	250,784	224,092	226,640	251,269	253,622	238,352	263,963	297,436	343,015	3,311,152

Note: Includes Omega WAPA Allocation from 2000 through 2050

Projected

CAPITAL ELECTRIC

2024 Load Forecast

SUMMARY

Capital Electric Cooperative

Demand Purchases (kW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2000	27,750	26,099	24,968	21,583	20,911	30,552	35,736	38,203	26,208	21,852	28,396	32,761	335,019
	2001	29,151	28,532	25,504	23,131	27,985	36,792	38,069	43,008	40,890	25,950	30,841	30,993	380,846
	2002	30,402	29,861	29,221	28,163	27,607	42,563	45,805	44,098	38,847	28,370	29,723	33,231	407,891
	2003	34,416	33,136	32,340	28,817	26,586	36,855	45,743	49,034	42,455	28,967	32,664	34,533	425,546
	2004	38,277	34,934	30,874	25,067	25,115	37,527	46,962	37,475	37,948	28,148	33,445	39,092	414,864
	2005	40,447	35,236	31,307	27,213	30,956	48,210	48,051	46,240	41,831	31,245	38,936	42,530	462,202
	2006	37,820	41,550	36,654	30,523	37,120	52,506	57,876	53,216	37,960	39,095	47,636	45,962	517,918
	2007	46,788	46,883	42,108	35,820	37,352	52,705	65,603	54,982	55,856	34,069	46,965	47,032	566,163
	2008	51,447	50,479	43,891	35,969	32,056	48,180	54,651	57,898	41,947	38,738	45,913	62,978	564,147
	2009	57,117	52,724	53,560	40,617	34,307	55,107	54,121	62,663	54,017	40,259	43,750	58,532	606,774
	2010	59,839	52,515	45,067	34,653	46,143	62,299	64,286	68,844	38,662	44,898	55,514	60,310	633,030
	2011	57,274	57,855	53,185	42,544	34,432	56,595	68,223	63,163	54,616	41,950	50,245	55,812	635,894
	2012	62,111	52,703	44,578	39,250	42,321	65,234	70,444	70,746	57,276	45,469	54,380	60,668	665,180
	2013	64,034	60,570	56,656	48,415	43,388	59,561	70,354	74,619	71,816	47,673	59,926	70,849	727,861
	2014	77,500	65,759	63,137	53,312	61,460	53,975	67,935	66,135	61,417	46,567	65,321	66,983	749,501
	2015	70,389	64,036	62,979	41,949	42,354	67,556	71,017	82,697	73,340	47,673	54,252	63,570	741,812
	2016	64,656	56,481	54,558	47,731	48,572	69,339	83,491	74,202	63,331	42,850	50,330	73,621	729,162
	2017	68,715	66,230	59,583	45,524	37,493	75,093	81,052	70,943	73,439	47,509	53,786	70,184	749,551
	2018	70,629	69,362	51,013	61,179	68,142	75,357	77,725	83,592	64,460	49,944	56,805	67,059	795,267
	2019	74,331	74,273	67,935	49,671	41,601	67,527	73,687	72,017	70,113	56,412	62,877	67,061	777,505
	2020	72,602	69,987	57,529	55,324	39,477	81,313	78,819	86,555	59,691	55,605	56,249	63,135	776,286
	2021	62,289	74,376	57,830	49,047	40,899	84,080	90,546	89,677	73,224	43,672	60,469	72,485	798,594
2022	75,407	71,745	65,695	52,230	43,979	78,391	88,817	83,602	87,733	48,448	63,075	87,607	846,729	
Projected	2023	77,553	76,087	67,507	54,295	44,242	77,391	82,701	83,500	77,753	53,840	65,165	78,001	838,035
	2024	79,287	75,103	69,012	55,501	45,225	79,123	84,560	85,373	79,487	55,038	66,617	79,746	854,072
	2025	81,004	79,463	70,496	56,685	46,193	80,841	86,414	87,238	81,199	56,216	68,048	81,475	875,272
	2026	82,750	81,171	72,009	57,895	47,180	82,587	88,293	89,131	82,942	57,419	69,507	83,233	894,117
	2027	84,560	82,944	73,579	59,152	48,206	84,397	90,238	91,090	84,752	58,668	71,021	85,056	913,663
	2028	86,439	81,860	75,210	60,459	49,272	86,274	92,253	93,121	86,631	59,966	72,594	86,947	931,026
	2029	88,374	86,679	76,891	61,807	50,371	88,206	94,325	95,211	88,568	61,305	74,216	88,894	954,847
	2030	90,104	88,368	78,383	62,993	51,342	89,939	96,203	97,097	90,289	62,487	75,654	90,637	973,496
	2031	91,892	90,113	79,927	64,222	52,346	91,729	98,140	99,043	92,069	63,712	77,141	92,439	992,773
	2032	93,675	88,688	81,468	65,450	53,350	93,515	100,069	100,984	93,847	64,935	78,627	94,236	1,008,844
	2033	95,531	93,670	83,073	66,731	54,396	95,372	102,073	103,000	95,698	66,209	80,174	96,105	1,032,032
	2034	97,381	95,478	84,674	68,009	55,440	97,223	104,070	105,008	97,543	67,481	81,718	97,969	1,051,994
	2035	99,258	97,313	86,299	69,306	56,499	99,099	106,092	107,044	99,416	68,772	83,284	99,858	1,072,240
	2036	101,127	95,724	87,918	70,601	57,556	100,969	108,105	109,071	101,283	70,059	84,846	101,741	1,089,000
	2037	103,042	101,016	89,577	71,928	58,639	102,883	110,164	111,144	103,195	71,378	86,446	103,668	1,113,080
	2038	104,964	102,898	91,244	73,262	59,728	104,805	112,231	113,226	105,117	72,704	88,054	105,604	1,133,837
	2039	106,885	104,778	92,910	74,595	60,816	106,724	114,294	115,305	107,036	74,029	89,660	107,537	1,154,569
	2040	108,862	103,034	94,626	75,970	61,938	108,699	116,414	117,442	109,013	75,395	91,316	109,527	1,172,236
	2041	110,872	108,683	96,371	77,368	63,078	110,708	118,570	119,615	111,024	76,784	92,999	111,550	1,197,622
	2042	112,874	110,644	98,108	78,760	64,214	112,708	120,718	121,780	113,027	78,167	94,675	113,565	1,219,240
	2043	114,905	112,632	99,870	80,172	65,366	114,737	122,896	123,976	115,057	79,569	96,375	115,609	1,241,164
	2044	116,929	110,662	101,627	81,579	66,513	116,760	125,069	126,165	117,081	80,967	98,069	117,646	1,259,067
	2045	119,007	116,649	103,429	83,023	67,691	118,836	127,299	128,412	119,158	82,401	99,808	119,737	1,285,450
	2046	121,088	118,687	105,235	84,469	68,871	120,916	129,533	130,664	121,239	83,838	101,550	121,833	1,307,923
	2047	123,210	120,764	107,076	85,943	70,074	123,037	131,811	132,960	123,360	85,302	103,325	123,968	1,330,830
	2048	125,358	118,630	108,938	87,434	71,291	125,183	134,118	135,284	125,507	86,784	105,122	126,130	1,349,779
	2049	127,555	125,018	110,844	88,960	72,536	127,379	136,477	137,661	127,704	88,301	106,960	128,342	1,377,737
	2050	129,778	127,194	112,772	90,503	73,796	129,601	138,865	140,067	129,926	89,834	108,820	130,580	1,401,736

Capital Electric Cooperative

Energy Purchases (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2000	15,266	13,205	12,636	11,470	11,199	11,878	15,263	15,523	12,208	12,428	14,492	17,885	163,453
	2001	15,794	14,964	14,221	12,626	12,097	13,106	16,610	17,713	12,955	13,246	13,637	16,670	173,639
	2002	16,444	14,152	16,112	13,394	13,346	15,180	19,150	16,143	14,547	14,757	15,367	17,662	186,254
	2003	18,365	16,603	16,629	13,707	13,468	14,416	18,672	20,527	14,852	14,644	16,921	18,460	197,264
	2004	20,369	17,570	16,239	13,847	13,895	14,054	18,190	16,106	15,751	15,544	16,481	20,220	198,266
	2005	21,562	17,114	17,577	14,780	15,149	17,577	21,316	19,840	16,543	16,392	18,116	22,174	218,140
	2006	20,316	19,480	19,944	16,020	17,076	19,489	25,834	22,710	16,943	18,783	20,682	23,883	241,160
	2007	24,628	23,159	20,420	18,050	17,316	20,299	26,883	22,527	19,004	18,761	21,533	26,625	259,205
	2008	27,049	24,955	22,515	19,144	18,047	18,757	24,969	25,550	18,507	19,990	23,499	31,504	274,486
	2009	30,768	25,826	26,423	21,053	18,767	20,623	22,391	23,301	22,488	22,271	22,405	31,674	287,990
	2010	31,088	26,752	24,218	19,548	20,446	21,467	26,204	27,366	19,775	21,411	25,650	32,214	296,139
	2011	32,261	27,618	27,858	22,221	20,059	20,932	27,747	26,648	21,735	22,094	25,405	29,374	303,952
	2012	29,789	26,698	23,007	20,924	20,820	24,300	32,245	27,204	21,978	24,143	27,821	33,275	312,204
	2013	34,315	28,517	30,568	25,784	22,248	24,267	29,370	30,373	24,878	25,033	30,335	39,297	344,985
	2014	36,188	33,027	30,584	24,951	23,410	23,040	27,843	26,396	23,977	23,955	31,684	34,650	339,705
	2015	35,018	33,053	28,378	23,573	23,066	26,146	31,554	31,669	26,201	24,136	27,569	33,590	343,953
	2016	36,463	28,938	27,509	24,670	24,119	28,879	32,293	32,392	24,402	25,688	27,615	40,074	353,042
	2017	38,702	30,674	31,514	25,057	24,626	28,452	35,751	29,804	25,714	26,560	31,616	37,529	365,999
	2018	39,228	35,857	32,795	28,963	27,640	30,198	34,636	33,632	26,282	27,775	33,101	35,956	386,063
	2019	39,219	39,028	34,617	26,809	26,029	28,851	34,409	30,911	27,088	29,318	32,267	38,540	387,086
	2020	39,735	33,586	31,829	28,068	26,597	32,457	36,315	36,596	26,154	29,040	30,647	35,636	386,660
	2021	35,581	37,319	29,906	27,161	26,591	34,858	39,969	36,410	28,005	27,519	30,639	39,047	393,005
2022	41,659	36,777	33,858	30,162	26,294	31,122	37,931	37,432	29,113	27,569	35,155	43,744	410,816	
Projected	2023	42,514	38,357	35,316	29,668	28,227	32,017	37,537	35,950	29,863	30,233	34,588	42,406	416,676
	2024	43,487	39,235	36,125	30,347	28,874	32,750	38,397	36,773	30,547	30,926	35,380	43,377	426,218
	2025	44,483	40,133	36,952	31,042	29,534	33,500	39,276	37,615	31,246	31,633	36,190	44,369	435,973
	2026	45,480	41,033	37,780	31,738	30,197	34,251	40,157	38,459	31,947	32,343	37,001	45,365	445,751
	2027	46,506	41,959	38,632	32,454	30,878	35,023	41,062	39,326	32,668	33,072	37,836	46,387	455,803
	2028	47,562	42,911	39,510	33,191	31,579	35,819	41,994	40,219	33,409	33,823	38,695	47,441	466,153
	2029	48,643	43,887	40,408	33,945	32,297	36,633	42,949	41,133	34,169	34,592	39,574	48,519	476,749
	2030	49,668	44,812	41,259	34,661	32,977	37,405	43,854	42,000	34,889	35,321	40,408	49,542	486,796
	2031	50,719	45,759	42,132	35,394	33,675	38,196	44,782	42,888	35,627	36,068	41,263	50,590	497,093
	2032	51,761	46,700	42,998	36,121	34,367	38,981	45,702	43,770	36,359	36,810	42,111	51,629	507,309
	2033	52,836	47,670	43,891	36,872	35,081	39,791	46,651	44,679	37,114	37,574	42,986	52,702	517,847
	2034	53,904	48,634	44,778	37,617	35,790	40,595	47,594	45,582	37,865	38,334	43,855	53,767	528,315
	2035	54,983	49,607	45,674	38,370	36,506	41,407	48,547	46,494	38,622	39,101	44,732	54,843	538,886
	2036	56,053	50,572	46,563	39,116	37,217	42,213	49,492	47,399	39,374	39,862	45,603	55,910	549,374
	2037	57,143	51,555	47,468	39,877	37,940	43,034	50,454	48,320	40,139	40,637	46,489	56,997	560,053
	2038	58,235	52,541	48,375	40,639	38,665	43,856	51,418	49,244	40,906	41,413	47,378	58,086	570,756
	2039	59,323	53,523	49,280	41,399	39,388	44,676	52,379	50,164	41,671	42,187	48,263	59,172	581,425
	2040	60,434	54,525	50,203	42,174	40,126	45,513	53,360	51,104	42,452	42,977	49,167	60,281	592,316
	2041	61,564	55,545	51,141	42,962	40,876	46,364	54,358	52,059	43,245	43,781	50,087	61,408	603,390
	2042	62,692	56,562	52,078	43,749	41,625	47,213	55,353	53,013	44,037	44,583	51,004	62,532	614,441
	2043	63,836	57,594	53,028	44,548	42,384	48,075	56,364	53,980	44,841	45,397	51,935	63,674	625,656
	2044	64,978	58,625	53,977	45,345	43,143	48,935	57,372	54,946	45,643	46,209	52,864	64,813	636,850
	2045	66,150	59,682	54,951	46,163	43,921	49,817	58,407	55,937	46,467	47,042	53,817	65,982	648,336
	2046	67,326	60,743	55,928	46,983	44,701	50,703	59,445	56,931	47,293	47,878	54,774	67,155	659,860
	2047	68,525	61,825	56,923	47,820	45,497	51,606	60,503	57,945	48,135	48,731	55,749	68,350	671,609
	2048	69,740	62,921	57,933	48,668	46,304	52,520	61,576	58,972	48,988	49,595	56,738	69,562	683,517
	2049	70,983	64,042	58,965	49,535	47,129	53,457	62,674	60,023	49,861	50,479	57,749	70,802	695,699
	2050	72,241	65,178	60,011	50,413	47,965	54,405	63,785	61,088	50,745	51,374	58,773	72,058	708,036

Capital Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Total</u>	<u>Small</u>	<u>Large</u>			<u>Total</u>	<u>Own Use</u>	<u>Total</u>	
<u>Year</u>	<u>Residential</u>	<u>Commercial</u>	<u>Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Sales</u>	<u>& Losses</u>	<u>Energy Requirements</u>	
H	2000	88,135	47,592	17,095	617	1,059	154,498	8,954	163,452
i	2001	94,870	51,543	20,291	691	1,041	168,436	5,201	173,637
s	2002	103,007	52,859	21,760	1,415	1,027	180,068	6,186	186,254
t	2003	108,883	60,061	21,647	1,446	1,057	193,094	4,169	197,263
r	2004	111,021	61,102	21,945	1,103	956	196,127	2,136	198,263
i	2005	125,508	63,753	26,830	1,351	1,394	218,836	-697	218,139
c	2006	133,469	68,164	33,026	1,778	1,441	237,878	3,282	241,160
a	2007	142,268	70,492	31,394	1,120	1,415	246,689	12,516	259,205
l	2008	150,436	74,926	31,047	1,601	1,195	259,205	15,279	274,484
	2009	167,519	79,367	30,087	978	1,194	279,145	8,846	287,991
	2010	166,668	79,007	29,265	1,050	1,173	277,163	18,977	296,140
	2011	173,462	82,181	28,767	394	1,175	285,979	17,974	303,953
	2012	178,312	84,597	27,910	1,270	1,224	293,313	18,891	312,204
	2013	200,961	93,768	26,824	1,154	1,224	323,931	21,053	344,984
	2014	208,118	94,965	27,824	623	1,198	332,728	6,978	339,706
	2015	206,878	98,936	27,395	1,056	1,178	335,443	8,509	343,952
	2016	209,821	100,788	26,616	1,035	1,154	339,414	13,631	353,045
	2017	214,078	106,492	27,231	1,550	1,125	350,476	15,525	366,001
	2018	228,361	111,788	28,029	1,366	1,092	370,636	15,427	386,063
	2019	228,462	115,785	26,551	634	864	372,296	14,790	387,086
	2020	231,652	110,158	24,146	1,610	2,377	369,943	16,719	386,662
	2021	235,873	123,344	13,310	2,344	2,332	377,203	15,803	393,006
	2022	245,495	134,784	7,736	1,663	2,243	391,921	18,894	410,815
	2023	248,952	137,668	7,809	1,670	2,252	398,351	18,324	416,675
	2024	255,294	140,402	7,856	1,670	2,252	407,474	18,744	426,218
	2025	261,970	143,002	7,905	1,670	2,252	416,799	19,173	435,972
	2026	268,783	145,492	7,952	1,670	2,252	426,149	19,603	445,752
	2027	275,953	147,883	7,999	1,670	2,252	435,757	20,045	455,802
	2028	283,494	150,191	8,046	1,670	2,252	445,653	20,500	466,153
	2029	291,385	152,383	8,093	1,670	2,252	455,783	20,966	476,749
	2030	298,841	154,486	8,140	1,670	2,252	465,389	21,408	486,797
	2031	306,604	156,519	8,186	1,670	2,252	475,231	21,861	497,092
	2032	314,379	158,467	8,232	1,670	2,252	485,000	22,310	507,310
	2033	322,506	160,366	8,278	1,670	2,252	495,072	22,773	517,845
P	2034	330,620	162,217	8,324	1,670	2,252	505,083	23,234	528,317
r	2035	338,877	164,018	8,369	1,670	2,252	515,186	23,699	538,885
o	2036	347,088	165,789	8,415	1,670	2,252	525,214	24,160	549,374
j	2037	355,508	167,533	8,460	1,670	2,252	535,423	24,629	560,052
e	2038	363,982	169,246	8,506	1,670	2,252	545,656	25,100	570,756
c	2039	372,461	170,923	8,551	1,670	2,252	555,857	25,569	581,426
t	2040	381,154	172,596	8,595	1,670	2,252	566,267	26,048	592,315
e	2041	389,997	174,295	8,640	1,670	2,252	576,854	26,535	603,389
d	2042	398,752	176,062	8,685	1,670	2,252	587,421	27,021	614,442
	2043	407,621	177,868	8,729	1,670	2,252	598,140	27,514	625,654
	2044	416,442	179,705	8,774	1,670	2,252	608,843	28,007	636,850
	2045	425,523	181,560	8,819	1,670	2,252	619,824	28,512	648,336
	2046	434,619	183,437	8,863	1,670	2,252	630,841	29,019	659,860
	2047	443,873	185,372	8,908	1,670	2,252	642,075	29,535	671,610
	2048	453,196	187,386	8,953	1,670	2,252	653,457	30,059	683,516
	2049	462,704	189,481	8,998	1,670	2,252	665,105	30,595	695,700
	2050	472,302	191,633	9,043	1,670	2,252	676,900	31,137	708,037

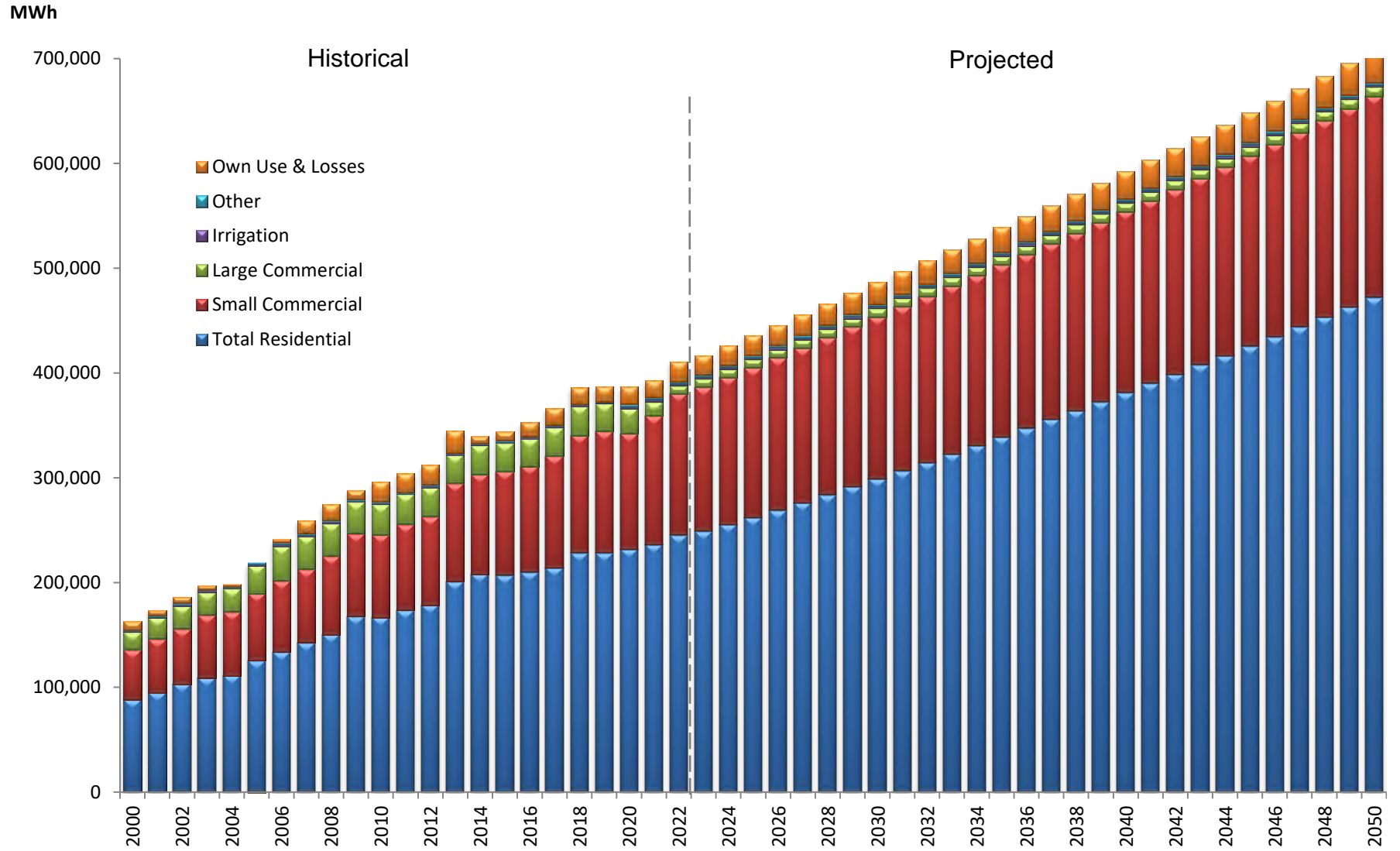
Historical Average Compound Growth Rates:

Projected Average Compound Growth Rates:

2000-2022	4.28%	2017-2022	2.34%
2023-2050	1.98%	2023-2028	2.27%

Capital Electric Cooperative

Annual Energy Requirements



DAKOTA VALLEY ELECTRIC

2024 Load Forecast

SUMMARY

Dakota Valley Electric Cooperative

Demand Purchases (kW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	66,740	67,847	63,649	54,115	47,289	45,071	57,616	59,520	55,526	60,271	77,160	78,996	733,800
	2009	73,398	68,947	67,245	61,955	46,242	45,365	48,851	50,377	52,911	62,309	76,938	84,218	738,756
	2010	79,079	76,145	71,442	62,884	59,673	54,860	58,341	64,242	54,721	67,879	77,016	80,415	806,697
	2011	84,874	77,546	82,792	70,445	63,516	62,251	60,488	67,547	62,580	78,129	87,163	86,968	884,299
	2012	92,031	88,642	80,297	65,862	57,581	64,814	71,110	69,642	70,044	78,548	87,056	90,488	916,115
	2013	91,282	89,127	86,509	81,131	68,500	63,191	69,432	74,560	69,790	90,486	100,438	97,583	982,029
	2014	98,431	96,593	92,767	81,111	71,694	65,425	72,290	66,738	62,709	93,385	89,631	100,330	991,104
	2015	98,716	98,765	90,354	81,632	61,136	67,489	76,546	81,524	79,815	87,575	87,415	96,238	1,007,205
	2016	100,685	87,799	80,215	74,205	67,532	75,868	71,971	79,479	68,419	94,285	93,246	108,238	1,001,942
	2017	108,013	88,833	99,655	87,650	75,601	85,878	88,781	66,403	74,943	96,515	110,975	100,593	1,083,840
	2018	103,864	89,542	86,207	94,439	82,000	81,329	79,055	76,354	60,348	89,735	104,546	103,536	1,050,955
	2019	106,661	105,026	100,838	83,535	83,509	83,287	77,164	70,124	74,128	88,842	96,605	102,932	1,072,651
	2020	99,744	91,745	90,517	80,257	67,507	66,947	75,624	67,977	74,367	91,040	89,474	98,770	993,969
	2021	100,307	106,603	95,542	89,367	59,239	76,965	85,941	86,760	76,533	96,375	94,208	103,121	1,070,961
2022	107,560	109,754	101,749	91,397	85,154	82,888	76,230	86,293	81,636	89,915	96,589	98,133	1,107,298	
Projected	2023	104,793	104,936	97,996	87,669	71,597	69,801	74,458	77,274	77,226	93,642	97,411	103,188	1,059,991
	2024	105,172	103,546	98,326	87,919	71,774	69,961	74,675	77,483	77,421	93,916	97,704	103,544	1,061,441
	2025	105,396	105,562	98,514	88,058	71,871	70,051	74,802	77,603	77,523	94,075	97,876	103,756	1,065,087
	2026	105,277	105,435	98,401	87,968	71,805	69,992	74,732	77,533	77,445	93,985	97,783	103,645	1,064,001
	2027	105,347	105,506	98,455	88,005	71,830	70,015	74,770	77,568	77,468	94,032	97,836	103,712	1,064,544
	2028	105,373	103,738	98,471	88,014	71,835	70,020	74,783	77,579	77,469	94,048	97,855	103,737	1,062,922
	2029	105,409	105,566	98,497	88,031	71,845	70,031	74,803	77,596	77,477	94,071	97,882	103,772	1,064,980
	2030	105,557	105,716	98,614	88,115	71,902	70,084	74,885	77,673	77,534	94,173	97,995	103,912	1,066,160
	2031	105,670	105,830	98,703	88,177	71,944	70,123	74,948	77,730	77,573	94,251	98,081	104,020	1,067,050
	2032	105,922	104,280	98,915	88,334	72,053	70,223	75,091	77,866	77,688	94,430	98,275	104,259	1,067,336
	2033	106,156	106,332	99,111	88,479	72,155	70,316	75,223	77,991	77,795	94,596	98,454	104,480	1,071,088
	2034	106,448	106,635	99,360	88,665	72,285	70,434	75,390	78,150	77,934	94,804	98,679	104,756	1,073,540
	2035	106,692	106,887	99,565	88,818	72,392	70,532	75,528	78,281	78,047	94,978	98,866	104,986	1,075,572
	2036	106,989	105,346	99,820	89,008	72,525	70,654	75,697	78,443	78,191	95,191	99,095	105,267	1,076,226
	2037	107,227	107,442	100,022	89,159	72,631	70,751	75,833	78,572	78,304	95,361	99,279	105,492	1,080,073
	2038	107,472	107,695	100,231	89,315	72,741	70,850	75,972	78,705	78,421	95,536	99,467	105,723	1,082,128
	2039	107,764	107,998	100,481	89,503	72,873	70,971	76,138	78,864	78,563	95,745	99,692	105,999	1,084,591
	2040	107,945	106,302	100,635	89,617	72,953	71,044	76,241	78,962	78,649	95,874	99,831	106,170	1,084,223
	2041	108,232	108,484	100,882	89,803	73,084	71,163	76,406	79,120	78,791	96,081	100,053	106,441	1,088,540
	2042	108,462	108,723	101,079	89,951	73,188	71,258	76,537	79,245	78,902	96,246	100,230	106,658	1,090,479
	2043	108,741	109,012	101,318	90,131	73,315	71,373	76,696	79,397	79,039	96,446	100,444	106,921	1,092,833
	2044	108,948	107,308	101,495	90,263	73,407	71,458	76,813	79,510	79,138	96,594	100,604	107,117	1,092,655
	2045	109,186	109,474	101,699	90,416	73,515	71,556	76,950	79,640	79,254	96,765	100,788	107,342	1,096,585
	2046	109,399	109,695	101,880	90,552	73,610	71,642	77,071	79,756	79,356	96,917	100,951	107,543	1,098,372
	2047	109,663	109,969	102,107	90,721	73,730	71,751	77,221	79,900	79,485	97,106	101,155	107,792	1,100,600
	2048	109,855	108,216	102,270	90,843	73,815	71,829	77,330	80,004	79,576	97,244	101,302	107,973	1,100,257
	2049	110,117	110,440	102,495	91,012	73,934	71,937	77,480	80,147	79,704	97,432	101,504	108,221	1,104,423
	2050	110,318	110,648	102,666	91,139	74,023	72,019	77,594	80,256	79,799	97,575	101,659	108,411	1,106,107

Dakota Valley Electric Cooperative

Energy Purchases (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	44,685	40,275	39,153	36,386	31,252	27,918	35,151	38,744	33,385	41,141	48,781	51,794	468,665
	2009	48,378	40,907	43,048	36,694	31,799	30,687	31,184	30,587	31,698	43,630	49,620	55,725	473,957
	2010	51,071	44,442	45,633	39,414	38,180	34,405	36,917	40,386	36,091	46,170	50,631	55,126	518,466
	2011	56,537	48,091	52,042	44,179	41,742	37,187	39,651	41,284	38,922	49,717	53,500	55,457	558,309
	2012	56,618	50,865	47,177	38,974	40,351	39,500	46,216	46,374	44,782	47,683	52,349	58,836	569,725
	2013	59,529	50,445	55,203	50,340	46,167	40,028	43,003	46,242	41,745	53,832	64,026	65,265	615,825
	2014	61,185	56,784	56,570	49,347	49,569	43,885	45,131	43,989	41,875	53,712	62,323	59,651	624,021
	2015	60,148	56,581	55,760	48,668	45,814	43,528	49,259	50,005	49,133	56,605	55,771	60,534	631,806
	2016	63,508	55,208	54,695	47,411	43,429	44,525	50,816	49,872	50,469	60,519	61,394	66,633	648,479
	2017	65,670	56,478	61,011	53,594	53,548	51,910	55,664	47,134	45,338	56,226	62,703	65,103	674,379
	2018	64,784	57,584	58,152	55,000	55,060	55,114	49,848	51,152	46,351	60,285	67,985	67,517	688,832
	2019	69,875	60,684	60,974	56,186	55,758	50,012	50,272	48,439	47,552	56,855	61,338	66,186	684,131
	2020	63,004	56,892	59,096	49,300	44,532	46,687	48,203	50,928	48,792	60,482	59,867	62,815	650,598
	2021	63,767	60,135	58,615	54,838	46,767	49,691	53,183	55,445	50,663	57,784	63,929	68,061	682,878
2022	70,517	62,475	62,531	57,996	53,514	51,346	52,570	50,915	52,475	60,594	61,294	62,833	699,060	
Projected	2023	67,091	60,720	61,152	54,528	49,386	48,000	50,581	52,196	51,138	59,652	64,259	66,108	684,811
	2024	67,313	60,923	61,325	54,677	49,515	48,120	50,725	52,335	51,247	59,823	64,458	66,327	686,788
	2025	67,470	61,066	61,448	54,783	49,606	48,205	50,827	52,433	51,324	59,943	64,599	66,483	688,187
	2026	67,436	61,035	61,421	54,760	49,586	48,186	50,805	52,412	51,308	59,917	64,568	66,449	687,883
	2027	67,503	61,096	61,473	54,805	49,625	48,222	50,848	52,453	51,340	59,969	64,628	66,515	688,477
	2028	67,542	61,132	61,504	54,831	49,648	48,244	50,873	52,478	51,360	59,999	64,664	66,554	688,829
	2029	67,585	61,171	61,537	54,860	49,673	48,267	50,901	52,504	51,381	60,032	64,702	66,597	689,210
	2030	67,711	61,286	61,635	54,945	49,746	48,335	50,983	52,583	51,443	60,128	64,815	66,721	690,331
	2031	67,815	61,380	61,716	55,014	49,806	48,391	51,050	52,648	51,494	60,208	64,908	66,824	691,254
	2032	67,993	61,543	61,855	55,134	49,910	48,487	51,166	52,759	51,581	60,345	65,068	67,000	692,841
	2033	68,157	61,693	61,983	55,244	50,005	48,575	51,272	52,861	51,662	60,471	65,216	67,163	694,302
	2034	68,353	61,871	62,136	55,375	50,119	48,681	51,399	52,983	51,758	60,621	65,391	67,356	696,043
	2035	68,519	62,023	62,265	55,487	50,216	48,770	51,507	53,087	51,840	60,749	65,541	67,521	697,525
	2036	68,713	62,200	62,416	55,617	50,328	48,875	51,632	53,208	51,935	60,898	65,715	67,713	699,250
	2037	68,871	62,344	62,540	55,724	50,420	48,961	51,735	53,307	52,013	61,019	65,857	67,869	700,660
	2038	69,032	62,491	62,665	55,832	50,514	49,047	51,839	53,407	52,092	61,143	66,001	68,029	702,092
	2039	69,218	62,662	62,811	55,957	50,622	49,148	51,960	53,523	52,183	61,286	66,169	68,213	703,752
	2040	69,339	62,772	62,905	56,038	50,693	49,213	52,039	53,599	52,243	61,379	66,277	68,333	704,830
	2041	69,520	62,937	63,046	56,159	50,798	49,311	52,156	53,712	52,331	61,518	66,440	68,512	706,440
	2042	69,669	63,073	63,162	56,259	50,884	49,391	52,252	53,804	52,405	61,632	66,573	68,659	707,763
	2043	69,845	63,234	63,299	56,378	50,987	49,486	52,367	53,914	52,491	61,767	66,732	68,834	709,334
	2044	69,981	63,358	63,405	56,469	51,066	49,559	52,455	53,999	52,558	61,872	66,854	68,968	710,544
	2045	70,135	63,498	63,525	56,572	51,155	49,642	52,555	54,095	52,634	61,990	66,992	69,121	711,914
	2046	70,275	63,625	63,634	56,666	51,237	49,718	52,645	54,182	52,702	62,097	67,117	69,259	713,157
	2047	70,444	63,779	63,766	56,780	51,335	49,809	52,755	54,287	52,785	62,227	67,269	69,426	714,662
	2048	70,571	63,896	63,865	56,865	51,409	49,878	52,838	54,367	52,848	62,325	67,384	69,553	715,799
	2049	70,740	64,050	63,996	56,978	51,507	49,969	52,947	54,472	52,931	62,454	67,535	69,719	717,298
	2050	70,873	64,172	64,101	57,068	51,585	50,041	53,033	54,556	52,996	62,557	67,655	69,852	718,489

Dakota Valley Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Total</u>	<u>Small</u>	<u>Large</u>			<u>Total</u>	<u>Own Use</u>	<u>Total</u>
<u>Year</u>	<u>Residential</u>	<u>Commercial</u>	<u>Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Sales</u>	<u>& Losses</u>	<u>Energy Requirements</u>
2000	88,126	5,133	277,731	4,621	729	376,340	6,245	382,585
2001	88,668	5,538	254,909	5,720	595	355,430	6,214	361,644
2002	93,541	5,794	278,100	5,774	623	383,832	5,736	389,568
2003	91,115	5,758	298,017	6,389	606	401,885	5,939	407,824
2004	92,941	5,938	292,519	6,515	594	398,507	10,100	408,607
H 2005	97,124	6,190	286,465	3,661	577	394,017	11,252	405,269
i 2006	97,939	6,306	304,129	8,088	531	416,993	9,779	426,772
s 2007	105,969	6,753	312,566	5,581	575	431,444	9,647	441,091
t 2008	115,178	7,255	329,106	8,482	622	460,643	8,023	468,666
r 2009	125,131	7,359	327,640	5,438	624	466,192	7,766	473,958
i 2010	116,520	7,331	380,341	4,900	643	509,735	8,732	518,467
c 2011	115,366	6,884	425,208	2,989	674	551,121	7,188	558,309
a 2012	104,865	6,696	438,468	10,291	702	561,022	8,702	569,724
l 2013	127,656	7,673	458,204	10,499	813	604,845	10,981	615,826
2014	134,021	7,736	464,096	5,940	863	612,656	11,365	624,021
2015	118,592	7,132	484,463	9,897	801	620,885	10,924	631,809
2016	115,365	7,099	505,143	9,236	775	637,618	10,859	648,477
2017	120,807	7,275	523,559	11,104	788	663,533	10,846	674,379
2018	131,329	8,001	531,579	7,104	825	678,838	9,996	688,834
2019	137,589	8,948	518,652	5,465	833	671,487	12,644	684,131
2020	125,989	8,066	496,253	7,454	774	638,536	12,063	650,599
2021	115,907	7,601	532,256	13,698	758	670,220	12,658	682,878
2022	131,538	8,837	532,512	11,795	818	685,500	13,559	699,059
2023	126,707	9,068	526,373	9,604	842	672,594	12,219	684,813
2024	128,002	9,247	526,780	9,604	842	674,475	12,312	686,787
2025	128,949	9,397	527,016	9,604	842	675,808	12,379	688,187
2026	128,235	9,508	527,329	9,604	842	675,518	12,364	687,882
2027	128,438	9,631	527,569	9,604	842	676,084	12,393	688,477
2028	128,420	9,749	527,803	9,604	842	676,418	12,409	688,827
2029	128,439	9,863	528,034	9,604	842	676,782	12,427	689,209
2030	129,159	9,954	528,292	9,604	842	677,851	12,481	690,332
2031	129,725	10,065	528,492	9,604	842	678,728	12,525	691,253
2032	130,869	10,176	528,750	9,604	842	680,241	12,600	692,841
P 2033	131,946	10,264	528,979	9,604	842	681,635	12,670	694,305
r 2034	133,292	10,374	529,179	9,604	842	683,291	12,752	696,043
o 2035	134,334	10,484	529,436	9,604	842	684,700	12,823	697,523
j 2036	135,613	10,594	529,693	9,604	842	686,346	12,905	699,251
e 2037	136,666	10,682	529,893	9,604	842	687,687	12,972	700,659
c 2038	137,693	10,792	530,122	9,604	842	689,053	13,040	702,093
t 2039	138,936	10,901	530,351	9,604	842	690,634	13,119	703,753
e 2040	139,643	10,989	530,579	9,604	842	691,657	13,170	704,827
d 2041	140,840	11,099	530,808	9,604	842	693,193	13,246	706,439
2042	141,763	11,209	531,037	9,604	842	694,455	13,309	707,764
2043	142,920	11,319	531,266	9,604	842	695,951	13,384	709,335
2044	143,756	11,406	531,494	9,604	842	697,102	13,441	710,543
2045	144,779	11,516	531,666	9,604	842	698,407	13,506	711,913
2046	145,597	11,626	531,923	9,604	842	699,592	13,566	713,158
2047	146,689	11,736	532,152	9,604	842	701,023	13,637	714,660
2048	147,486	11,824	532,352	9,604	842	702,108	13,691	715,799
2049	148,546	11,933	532,609	9,604	842	703,534	13,762	717,296
2050	149,370	12,043	532,809	9,604	842	704,668	13,819	718,487

Historical Average Compound Growth Rates:

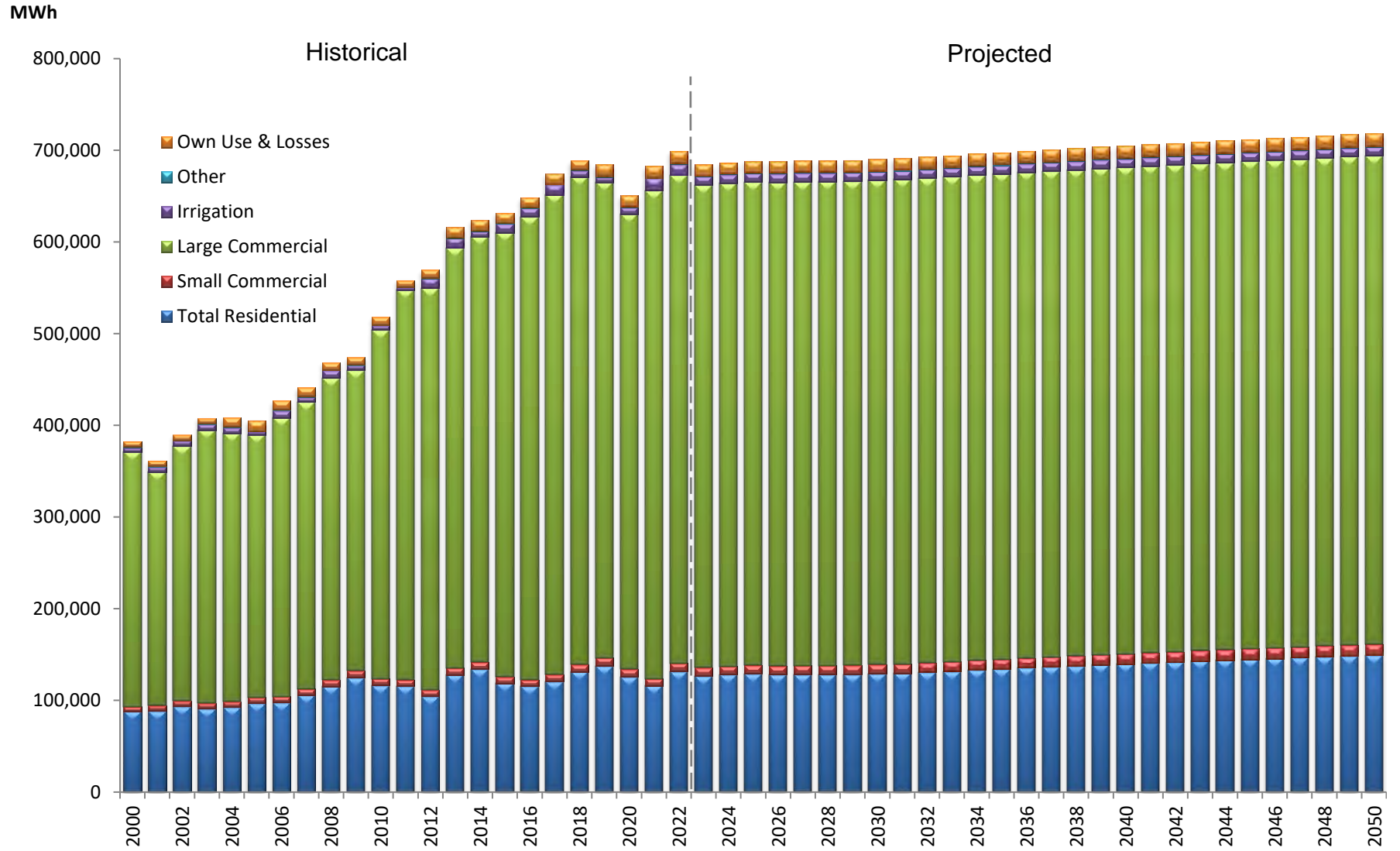
2000-2022	2.78%	2017-2022	0.72%
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Projected Average Compound Growth Rates:

2023-2050	0.18%	2023-2028	0.12%
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Dakota Valley Electric Cooperative

Annual Energy Requirements



MCLEAN ELECTRIC

2024 Load Forecast

SUMMARY

McLean Electric Cooperative

Demand Purchases (kW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
H i s t o r i c a l	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	16,628	16,573	15,622	12,443	11,310	10,380	12,278	13,550	10,638	12,864	14,606	17,621	164,513
	2009	17,741	16,553	18,372	13,468	12,009	11,830	11,997	13,280	14,902	13,644	14,015	17,779	175,590
	2010	18,148	16,346	14,674	10,767	11,377	13,270	14,371	15,792	13,679	14,202	16,327	17,274	176,227
	2011	18,496	19,491	18,002	13,784	12,819	12,640	14,552	15,576	14,972	14,833	17,386	17,650	190,201
	2012	19,930	18,118	15,819	10,583	12,325	15,179	17,312	17,965	16,860	16,092	19,874	19,087	199,144
	2013	21,223	20,326	19,251	16,542	14,045	14,707	16,993	18,885	20,149	17,550	22,927	22,890	225,488
	2014	25,194	23,313	22,551	20,614	15,580	14,502	17,622	17,985	19,520	18,631	23,286	23,750	242,548
	2015	24,868	23,096	22,597	17,540	14,809	16,983	16,823	21,720	19,402	16,461	19,021	19,969	233,289
	2016	22,709	20,695	19,089	17,380	13,374	15,699	18,725	21,420	16,946	15,846	18,563	23,182	223,628
	2017	23,809	23,764	21,035	16,317	13,419	17,173	20,401	20,480	17,196	18,871	21,224	23,943	237,632
	2018	24,197	24,105	19,937	21,421	16,279	16,531	19,857	20,864	16,893	18,605	20,573	22,043	241,305
	2019	24,384	23,523	23,207	17,615	15,253	16,187	18,158	17,910	18,865	21,801	22,194	25,159	244,256
	2020	24,831	23,451	21,228	19,403	14,839	19,486	19,851	22,234	14,030	19,124	18,401	21,574	238,452
	2021	21,565	25,220	20,448	17,482	15,009	19,996	20,469	21,818	16,139	14,949	19,909	24,479	237,483
2022	26,009	25,026	23,354	16,937	14,890	18,751	20,010	22,271	23,182	17,813	22,411	27,906	258,560	
P r o j e c t e d	2023	25,593	24,594	23,626	18,838	15,836	17,721	19,202	20,703	17,958	18,437	21,315	25,810	249,633
	2024	25,527	24,077	23,568	18,437	15,641	17,819	19,329	20,846	18,077	18,562	21,471	26,012	249,366
	2025	25,718	24,904	23,738	18,561	15,731	17,925	19,450	20,985	18,189	18,680	21,619	26,207	251,707
	2026	25,830	25,012	23,837	18,632	15,782	17,985	19,522	21,066	18,253	18,748	21,705	26,323	252,695
	2027	25,961	25,137	23,953	18,715	15,843	18,056	19,605	21,160	18,329	18,828	21,806	26,457	253,850
	2028	26,100	24,607	24,077	18,805	15,908	18,132	19,693	21,261	18,410	18,913	21,914	26,600	254,420
	2029	26,263	25,426	24,222	18,912	15,986	18,224	19,798	21,379	18,506	19,015	22,041	26,767	256,539
	2030	26,400	25,558	24,343	18,998	16,048	18,297	19,885	21,478	18,584	19,097	22,147	26,908	257,743
	2031	26,554	25,705	24,479	19,095	16,118	18,380	19,983	21,590	18,672	19,190	22,265	27,066	259,097
	2032	26,734	25,194	24,640	19,212	16,203	18,479	20,098	21,720	18,777	19,301	22,405	27,252	260,015
	2033	26,941	26,076	24,825	19,347	16,301	18,594	20,230	21,870	18,899	19,429	22,566	27,464	262,542
	2034	27,164	26,290	25,024	19,492	16,407	18,719	20,372	22,032	19,030	19,568	22,740	27,692	264,530
	2035	27,379	26,497	25,216	19,634	16,510	18,839	20,510	22,188	19,157	19,702	22,908	27,912	266,452
	2036	27,585	25,983	25,401	19,769	16,609	18,955	20,642	22,338	19,279	19,831	23,069	28,124	267,585
	2037	27,785	26,888	25,580	19,901	16,705	19,067	20,770	22,483	19,398	19,956	23,225	28,328	270,086
	2038	27,980	27,075	25,755	20,029	16,799	19,177	20,895	22,624	19,513	20,077	23,377	28,528	271,829
	2039	28,180	27,268	25,935	20,161	16,896	19,290	21,023	22,770	19,632	20,203	23,534	28,733	273,625
	2040	28,374	26,715	26,109	20,290	16,989	19,399	21,147	22,910	19,747	20,325	23,686	28,931	274,622
	2041	28,570	27,643	26,285	20,419	17,085	19,510	21,273	23,053	19,864	20,448	23,839	29,132	277,121
	2042	28,765	27,831	26,461	20,549	17,179	19,621	21,398	23,195	19,980	20,571	23,993	29,332	278,875
	2043	28,956	28,014	26,632	20,675	17,271	19,728	21,520	23,333	20,093	20,690	24,142	29,527	280,581
	2044	29,137	27,425	26,795	20,795	17,359	19,831	21,637	23,465	20,201	20,804	24,284	29,713	281,446
	2045	29,315	28,360	26,954	20,912	17,445	19,931	21,751	23,594	20,307	20,916	24,423	29,894	283,802
	2046	29,491	28,529	27,113	21,029	17,530	20,030	21,863	23,722	20,411	21,026	24,560	30,075	285,379
	2047	29,670	28,702	27,274	21,147	17,617	20,132	21,979	23,852	20,518	21,139	24,701	30,259	286,990
	2048	29,849	28,086	27,435	21,265	17,703	20,233	22,093	23,982	20,624	21,251	24,841	30,442	287,804
	2049	30,030	29,048	27,597	21,385	17,790	20,334	22,209	24,114	20,731	21,364	24,982	30,627	290,211
	2050	30,205	29,216	27,754	21,500	17,874	20,433	22,321	24,241	20,835	21,473	25,119	30,806	291,777

McLean Electric Cooperative Energy Purchases (MWh)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
H	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
i	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
s	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
t	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
o	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
r	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
i	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
c	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
a	2008	10,495	9,576	8,523	7,023	6,945	6,731	8,298	8,680	7,059	7,665	8,931	11,276	101,202
l	2009	11,082	9,305	9,556	7,859	7,166	7,118	7,970	8,438	8,903	8,639	8,928	11,428	106,392
	2010	10,975	9,625	8,835	7,271	7,669	7,168	8,558	9,403	8,469	8,985	10,010	11,496	108,464
	2011	11,465	9,998	10,363	8,123	7,669	7,319	9,050	8,847	9,085	9,039	10,122	10,723	111,803
	2012	10,921	9,913	8,982	8,019	7,784	8,272	10,474	10,822	8,302	10,448	11,328	12,341	117,606
	2013	12,675	10,693	11,767	9,685	8,718	8,808	10,249	10,824	10,690	10,697	13,123	15,513	133,442
	2014	14,185	13,255	13,077	11,297	9,853	9,693	10,596	10,423	11,513	11,274	13,784	13,526	142,476
	2015	13,652	12,712	11,420	9,919	8,983	9,448	10,333	12,169	9,763	10,112	11,866	12,543	132,920
	2016	13,471	11,203	10,676	9,610	8,548	9,458	10,584	12,533	9,382	10,272	11,420	14,507	131,664
	2017	13,834	11,533	11,738	9,694	8,728	9,704	12,200	11,571	9,945	10,477	12,389	13,608	135,421
	2018	14,015	12,918	11,946	10,840	8,880	9,363	11,186	11,911	10,097	11,264	12,704	13,283	138,407
	2019	14,055	13,560	12,335	9,906	9,440	9,483	10,994	10,921	10,447	11,704	13,115	14,598	140,558
	2020	14,631	12,598	12,047	10,514	10,105	10,338	10,775	12,133	9,637	10,918	11,253	12,660	137,609
	2021	12,519	13,225	11,108	10,149	9,158	10,504	12,426	11,556	9,710	10,139	11,644	14,209	136,347
	2022	14,808	13,155	12,026	10,307	8,804	9,772	11,594	12,355	10,957	10,713	13,047	15,305	142,843
	2023	14,569	13,323	12,634	9,975	9,286	9,823	11,343	11,800	10,497	11,097	12,573	14,714	141,634
	2024	14,571	13,316	12,587	10,412	9,423	9,945	11,412	11,873	10,561	11,166	12,660	14,822	142,748
	2025	14,683	13,418	12,677	10,485	9,485	10,004	11,484	11,949	10,627	11,239	12,751	14,935	143,737
	2026	14,755	13,483	12,736	10,531	9,525	10,042	11,530	11,998	10,670	11,286	12,810	15,007	144,373
	2027	14,835	13,557	12,801	10,584	9,570	10,084	11,582	12,053	10,718	11,338	12,875	15,089	145,086
	2028	14,918	13,632	12,868	10,638	9,617	10,128	11,635	12,110	10,768	11,393	12,943	15,173	145,823
	2029	15,013	13,719	12,945	10,699	9,669	10,178	11,696	12,175	10,824	11,454	13,020	15,268	146,660
	2030	15,102	13,800	13,017	10,757	9,719	10,225	11,754	12,236	10,877	11,513	13,093	15,358	147,451
	2031	15,198	13,888	13,095	10,819	9,773	10,275	11,815	12,302	10,935	11,575	13,172	15,455	148,302
	2032	15,307	13,987	13,184	10,890	9,834	10,333	11,885	12,377	10,999	11,646	13,260	15,565	149,267
	2033	15,428	14,098	13,282	10,969	9,901	10,397	11,964	12,460	11,072	11,726	13,360	15,688	150,345
	2034	15,557	14,215	13,387	11,052	9,973	10,465	12,047	12,548	11,149	11,810	13,465	15,818	151,486
	2035	15,681	14,329	13,487	11,133	10,043	10,530	12,126	12,633	11,223	11,891	13,566	15,944	152,586
	2036	15,800	14,437	13,583	11,210	10,109	10,592	12,203	12,714	11,293	11,968	13,663	16,063	153,635
	2037	15,914	14,541	13,676	11,284	10,172	10,653	12,276	12,793	11,362	12,043	13,756	16,179	154,649
	2038	16,025	14,643	13,766	11,356	10,234	10,711	12,348	12,869	11,428	12,116	13,847	16,291	155,634
	2039	16,139	14,746	13,858	11,430	10,298	10,771	12,421	12,947	11,495	12,190	13,939	16,406	156,640
	2040	16,247	14,846	13,947	11,501	10,359	10,828	12,491	13,021	11,560	12,261	14,028	16,516	157,605
	2041	16,357	14,946	14,036	11,572	10,420	10,887	12,562	13,097	11,626	12,333	14,118	16,627	158,581
	2042	16,467	15,046	14,125	11,643	10,481	10,944	12,633	13,172	11,692	12,404	14,208	16,738	159,553
	2043	16,574	15,144	14,212	11,713	10,541	11,001	12,702	13,245	11,755	12,474	14,295	16,847	160,503
	2044	16,677	15,238	14,295	11,780	10,598	11,055	12,768	13,316	11,817	12,541	14,379	16,950	161,414
	2045	16,777	15,329	14,377	11,845	10,655	11,108	12,832	13,384	11,877	12,607	14,461	17,052	162,304
	2046	16,877	15,420	14,458	11,910	10,710	11,161	12,897	13,453	11,936	12,672	14,542	17,153	163,189
	2047	16,979	15,513	14,540	11,976	10,767	11,214	12,962	13,523	11,997	12,739	14,626	17,256	164,092
	2048	17,080	15,606	14,622	12,042	10,824	11,268	13,027	13,592	12,057	12,805	14,708	17,358	164,989
	2049	17,183	15,699	14,705	12,108	10,881	11,322	13,093	13,662	12,118	12,872	14,792	17,462	165,897
	2050	17,282	15,790	14,786	12,173	10,936	11,374	13,157	13,730	12,178	12,937	14,873	17,562	166,778

McLean Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Total	Small	Large	Irrigation	Other	Total	Own Use	Total
		Residential	Commercial	Commercial			Sales	& Losses	Energy Requirements
Historical	2000	28,756	4,202	9,939	540	5,107	48,544	4,058	52,602
	2001	29,111	4,354	9,980	610	5,196	49,251	3,608	52,859
	2002	31,442	4,545	10,710	930	5,268	52,895	3,483	56,378
	2003	32,165	4,588	10,827	771	5,163	53,514	3,991	57,505
	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	4,553	58,734
	2006	33,793	5,159	11,063	1,086	5,057	56,158	3,966	60,124
	2007	36,698	5,240	40,778	954	5,184	88,854	4,622	93,476
	2008	37,096	4,939	41,519	984	4,976	89,514	11,691	101,205
	2009	44,184	5,981	47,079	1,211	5,797	104,252	2,140	106,392
	2010	43,191	9,128	47,928	656	5,442	106,345	2,120	108,465
	2011	44,263	10,464	45,106	678	5,808	106,319	5,485	111,804
	2012	42,168	14,676	47,565	1,870	5,835	112,114	5,490	117,604
	2013	51,741	19,497	48,048	1,466	6,134	126,886	6,557	133,443
	2014	57,421	21,479	47,741	897	6,073	133,611	8,864	142,475
	2015	49,028	19,630	49,003	1,746	6,180	125,587	7,335	132,922
	2016	47,437	19,433	49,897	1,926	5,929	124,622	7,042	131,664
	2017	49,500	19,673	50,519	2,886	6,085	128,663	6,758	135,421
	2018	52,735	19,666	51,957	2,171	6,309	132,838	5,569	138,407
	2019	55,347	19,971	51,412	1,540	6,269	134,539	6,018	140,557
	2020	54,075	19,823	49,554	2,263	5,988	131,703	5,907	137,610
	2021	50,016	20,081	51,069	3,564	5,884	130,614	5,731	136,345
2022	56,928	20,572	50,955	2,426	5,965	136,846	5,999	142,845	
Projected	2023	55,836	21,056	50,174	2,529	5,956	135,551	6,085	141,636
	2024	56,512	21,175	50,345	2,612	5,956	136,600	6,147	142,747
	2025	57,201	21,325	50,345	2,696	5,956	137,523	6,213	143,736
	2026	57,595	21,444	50,345	2,779	5,956	138,119	6,256	144,375
	2027	57,998	21,622	50,345	2,863	5,956	138,784	6,303	145,087
	2028	58,446	21,778	50,345	2,947	5,956	139,472	6,352	145,824
	2029	58,999	21,922	50,345	3,030	5,956	140,252	6,408	146,660
	2030	59,544	22,032	50,345	3,114	5,956	140,991	6,461	147,452
	2031	60,123	22,165	50,345	3,197	5,956	141,786	6,517	148,303
	2032	60,815	22,290	50,345	3,281	5,956	142,687	6,582	149,269
	2033	61,552	22,474	50,345	3,365	5,956	143,692	6,653	150,345
	2034	62,347	22,661	50,345	3,448	5,956	144,757	6,729	151,486
	2035	63,101	22,850	50,345	3,532	5,956	145,784	6,802	152,586
	2036	63,804	23,043	50,345	3,615	5,956	146,763	6,872	153,635
	2037	64,472	23,238	50,345	3,699	5,956	147,710	6,940	154,650
	2038	65,109	23,436	50,345	3,783	5,956	148,629	7,005	155,634
	2039	65,764	23,637	50,345	3,866	5,956	149,568	7,072	156,640
	2040	66,377	23,841	50,345	3,950	5,956	150,469	7,137	157,606
	2041	66,998	24,047	50,345	4,033	5,956	151,379	7,201	158,580
	2042	67,614	24,257	50,345	4,117	5,956	152,289	7,266	159,555
	2043	68,205	24,469	50,345	4,200	5,956	153,175	7,330	160,505
	2044	68,755	24,684	50,345	4,284	5,956	154,024	7,390	161,414
	2045	69,285	24,902	50,345	4,368	5,956	154,856	7,449	162,305
	2046	69,806	25,123	50,345	4,451	5,956	155,681	7,508	163,189
	2047	70,340	25,347	50,345	4,535	5,956	156,523	7,568	164,091
	2048	70,870	25,573	50,345	4,618	5,956	157,362	7,628	164,990
	2049	71,404	25,802	50,345	4,702	5,956	158,209	7,688	165,897
	2050	71,910	26,034	50,345	4,786	5,956	159,031	7,747	166,778

Historical Average Compound Growth Rates:

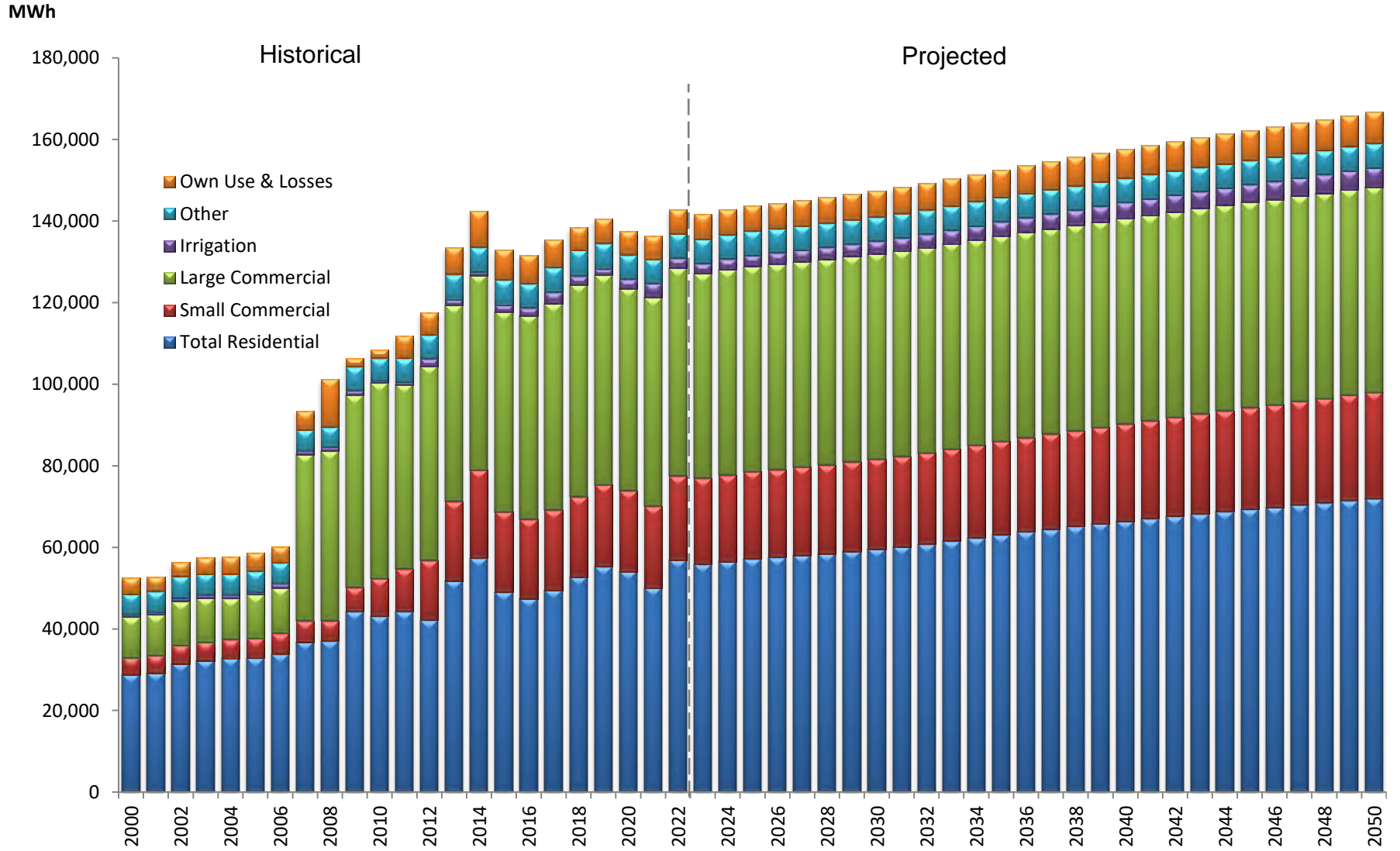
2000-2022	4.65%	2017-2022	1.07%
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Projected Average Compound Growth Rates:

2023-2050	0.61%	2023-2028	0.58%
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McLean Electric Cooperative

Annual Energy Requirements



NORTH CENTRAL ELECTRIC

2024 Load Forecast

SUMMARY

North Central Electric Cooperative

Demand Purchases (kW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	46,606	45,749	43,946	29,637	27,128	19,596	19,589	25,195	22,697	32,382	40,844	48,123	401,492
	2009	49,035	47,344	46,546	32,525	26,766	19,521	19,885	21,394	24,231	32,482	32,498	47,830	400,057
	2010	48,872	44,630	37,583	29,746	26,957	20,757	23,637	27,087	29,938	35,110	44,277	47,311	415,905
	2011	48,607	48,423	47,047	34,835	31,228	22,848	24,960	25,100	25,672	32,194	43,814	46,104	430,832
	2012	52,683	49,948	41,749	33,935	26,956	23,385	24,081	29,317	25,545	37,445	48,467	45,851	439,362
	2013	54,529	51,650	47,021	43,296	34,330	22,248	23,209	26,628	28,223	37,310	52,872	57,534	478,850
	2014	60,180	55,847	57,416	46,714	33,104	21,817	24,459	24,427	31,461	41,371	56,777	57,113	510,686
	2015	59,061	56,684	55,688	37,441	36,108	24,877	25,978	29,784	29,908	33,426	41,429	47,892	478,276
	2016	53,496	47,460	44,945	36,766	18,889	19,861	22,305	24,863	25,015	31,919	39,323	53,690	418,532
	2017	55,111	53,238	49,382	35,473	26,103	20,035	24,108	26,862	23,212	37,225	46,493	55,552	452,794
	2018	55,536	55,563	46,955	49,294	21,715	22,110	24,258	26,041	25,217	38,610	48,922	51,138	465,359
	2019	58,356	52,415	50,993	37,419	31,305	22,699	23,246	24,477	30,101	44,788	47,186	54,642	477,627
	2020	54,501	55,031	47,400	41,885	22,491	20,999	20,740	24,025	23,385	36,111	38,375	47,605	432,548
	2021	56,438	58,274	48,799	34,705	28,539	22,576	23,118	25,612	22,835	31,956	44,690	55,559	453,101
2022	56,075	57,167	53,758	38,395	29,701	22,716	24,821	25,637	27,008	34,744	48,568	53,874	472,464	
Projected	2023	58,671	59,249	52,491	39,814	29,122	22,908	23,489	25,980	26,988	38,514	46,623	55,534	479,383
	2024	57,995	56,547	51,887	39,356	28,786	22,644	23,218	25,680	26,677	38,070	46,086	54,894	471,840
	2025	57,295	57,859	51,260	38,881	28,439	22,371	22,938	25,370	26,355	37,610	45,530	54,232	468,140
	2026	56,607	57,164	50,642	38,409	28,092	22,097	22,659	25,062	26,035	37,155	44,981	53,581	462,484
	2027	55,886	56,432	49,989	37,905	27,716	21,800	22,358	24,730	25,693	36,671	44,400	52,897	456,477
	2028	55,240	53,854	49,404	37,455	27,382	21,535	22,089	24,434	25,388	36,238	43,881	52,286	449,186
	2029	54,787	55,319	48,994	37,138	27,146	21,348	21,900	24,226	25,173	35,934	43,517	51,857	447,339
	2030	54,430	54,954	48,663	36,875	26,943	21,186	21,739	24,049	24,994	35,684	43,223	51,519	444,259
	2031	54,040	54,557	48,303	36,591	26,726	21,013	21,567	23,860	24,801	35,414	42,904	51,149	440,925
	2032	53,748	52,388	48,033	36,376	26,562	20,882	21,436	23,717	24,656	35,210	42,665	50,873	436,546
	2033	53,527	54,033	47,827	36,212	26,435	20,780	21,336	23,607	24,544	35,054	42,482	50,663	436,500
	2034	53,477	53,981	47,776	36,166	26,395	20,747	21,305	23,574	24,512	35,012	42,437	50,616	435,998
	2035	53,296	53,796	47,607	36,031	26,291	20,664	21,223	23,484	24,421	34,884	42,287	50,444	434,428
	2036	53,093	51,741	47,419	35,882	26,178	20,573	21,132	23,385	24,320	34,743	42,121	50,251	430,838
	2037	52,949	53,441	47,285	35,776	26,095	20,507	21,067	23,313	24,247	34,642	42,002	50,115	431,439
	2038	52,760	53,249	47,112	35,639	25,992	20,425	20,984	23,223	24,155	34,512	41,848	49,936	429,835
	2039	52,602	53,088	46,966	35,524	25,904	20,355	20,915	23,146	24,077	34,403	41,719	49,787	428,486
	2040	52,486	51,143	46,859	35,439	25,839	20,303	20,863	23,090	24,019	34,322	41,623	49,676	425,662
	2041	52,327	52,808	46,714	35,326	25,754	20,235	20,795	23,015	23,942	34,213	41,495	49,526	426,150
	2042	52,191	52,671	46,589	35,228	25,679	20,176	20,736	22,950	23,876	34,120	41,384	49,398	424,998
	2043	51,971	52,447	46,389	35,073	25,563	20,083	20,642	22,847	23,770	33,971	41,206	49,189	423,151
	2044	51,748	50,420	46,186	34,915	25,445	19,990	20,548	22,743	23,663	33,820	41,026	48,978	419,482
	2045	51,523	51,992	45,981	34,756	25,326	19,895	20,453	22,638	23,555	33,668	40,844	48,765	419,396
	2046	51,241	51,706	45,726	34,559	25,178	19,779	20,335	22,508	23,421	33,478	40,617	48,498	417,046
	2047	51,058	51,521	45,559	34,428	25,080	19,701	20,256	22,422	23,333	33,353	40,469	48,325	415,505
	2048	50,850	49,540	45,369	34,281	24,970	19,613	20,168	22,324	23,233	33,212	40,301	48,128	411,989
	2049	50,748	51,205	45,274	34,205	24,911	19,566	20,121	22,274	23,181	33,140	40,216	48,030	412,871
	2050	50,624	51,079	45,160	34,115	24,843	19,511	20,067	22,214	23,120	33,055	40,116	47,914	411,818

North Central Electric Cooperative

Energy Purchases (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	25,747	23,941	21,212	16,073	14,006	12,418	12,788	15,040	14,579	17,090	22,416	29,362	224,672
	2009	28,658	23,531	23,287	17,614	15,146	13,204	13,066	14,172	16,952	19,114	21,198	28,805	234,747
	2010	27,345	23,846	20,809	16,159	15,365	13,523	14,242	16,190	18,325	20,280	24,166	29,385	239,635
	2011	29,810	25,529	25,644	19,233	16,033	13,979	14,918	15,619	16,474	17,934	23,315	26,535	245,023
	2012	27,870	25,042	21,140	18,290	16,118	14,822	16,340	18,574	16,665	22,045	26,335	30,923	254,164
	2013	31,715	26,110	27,635	22,688	16,770	14,900	15,102	15,968	18,349	22,071	27,818	35,219	274,345
	2014	33,794	32,808	26,651	24,210	17,184	15,327	15,677	16,538	20,651	23,849	30,064	31,398	288,151
	2015	31,877	30,787	25,057	20,009	17,226	14,757	15,727	17,956	17,797	19,058	22,881	28,385	261,517
	2016	29,134	23,387	20,583	18,445	13,727	12,688	13,274	15,845	14,480	18,151	21,223	31,184	232,121
	2017	29,189	24,105	24,981	18,699	15,409	13,622	14,926	16,077	15,513	19,096	25,830	29,640	247,087
	2018	30,652	28,793	24,766	21,389	15,002	13,755	14,544	16,062	16,694	22,075	26,804	28,033	258,569
	2019	31,955	29,852	25,226	19,099	16,876	14,018	14,884	15,519	18,807	24,040	26,781	30,094	267,151
	2020	30,943	26,677	24,711	19,117	12,585	11,343	11,998	13,437	16,197	19,591	21,966	25,411	233,976
	2021	26,084	28,399	20,886	17,602	14,847	12,709	14,030	14,283	14,804	17,110	22,900	30,190	233,844
2022	31,633	29,114	25,343	21,248	15,849	13,474	14,203	14,500	16,302	19,161	25,491	32,339	258,657	
Projected	2023	31,825	29,200	25,241	20,004	15,597	13,256	14,070	15,054	17,436	20,695	25,373	30,769	258,520
	2024	31,458	28,864	24,950	19,773	15,417	13,103	13,908	14,880	17,235	20,457	25,081	30,415	255,541
	2025	31,079	28,515	24,649	19,535	15,231	12,945	13,740	14,701	17,027	20,210	24,778	30,048	252,458
	2026	30,715	28,182	24,360	19,306	15,053	12,793	13,579	14,529	16,828	19,973	24,488	29,696	249,502
	2027	30,353	27,849	24,073	19,078	14,875	12,643	13,419	14,358	16,629	19,738	24,199	29,346	246,560
	2028	30,027	27,550	23,814	18,873	14,715	12,507	13,275	14,203	16,451	19,526	23,939	29,030	243,910
	2029	29,800	27,342	23,634	18,731	14,604	12,412	13,175	14,096	16,326	19,378	23,758	28,811	242,067
	2030	29,651	27,205	23,516	18,637	14,531	12,350	13,109	14,025	16,245	19,281	23,640	28,667	240,857
	2031	29,478	27,047	23,379	18,528	14,447	12,278	13,033	13,944	16,150	19,169	23,502	28,500	239,455
	2032	29,354	26,933	23,281	18,450	14,386	12,226	12,978	13,885	16,082	19,088	23,403	28,380	238,446
	2033	29,263	26,849	23,209	18,393	14,341	12,189	12,937	13,842	16,032	19,029	23,330	28,292	237,706
	2034	29,262	26,849	23,208	18,393	14,341	12,188	12,937	13,842	16,032	19,029	23,330	28,292	237,703
	2035	29,188	26,781	23,149	18,346	14,304	12,157	12,904	13,806	15,991	18,980	23,271	28,220	237,097
	2036	29,099	26,699	23,079	18,290	14,261	12,120	12,865	13,764	15,942	18,923	23,200	28,134	236,376
	2037	29,040	26,645	23,032	18,253	14,232	12,096	12,839	13,737	15,910	18,884	23,153	28,077	235,898
	2038	28,954	26,566	22,964	18,199	14,190	12,060	12,801	13,696	15,863	18,828	23,084	27,994	235,199
	2039	28,885	26,503	22,909	18,156	14,156	12,031	12,770	13,663	15,825	18,783	23,029	27,927	234,637
	2040	28,834	26,455	22,868	18,123	14,131	12,010	12,748	13,639	15,797	18,750	22,988	27,877	234,220
	2041	28,759	26,387	22,809	18,077	14,094	11,979	12,715	13,604	15,756	18,702	22,929	27,805	233,616
	2042	28,698	26,331	22,761	18,038	14,064	11,953	12,688	13,575	15,723	18,662	22,880	27,746	233,119
	2043	28,591	26,233	22,676	17,971	14,012	11,909	12,640	13,524	15,664	18,592	22,795	27,643	232,250
	2044	28,483	26,134	22,590	17,903	13,959	11,864	12,593	13,473	15,605	18,522	22,708	27,538	231,372
	2045	28,373	26,033	22,503	17,834	13,905	11,818	12,544	13,421	15,545	18,450	22,621	27,432	230,479
	2046	28,233	25,904	22,392	17,746	13,836	11,759	12,482	13,355	15,468	18,359	22,509	27,296	229,339
	2047	28,146	25,825	22,323	17,691	13,794	11,724	12,444	13,314	15,421	18,303	22,440	27,213	228,638
	2048	28,046	25,733	22,243	17,628	13,745	11,682	12,399	13,266	15,366	18,238	22,360	27,116	227,822
	2049	28,003	25,694	22,210	17,601	13,724	11,664	12,381	13,246	15,342	18,210	22,326	27,074	227,475
	2050	27,949	25,644	22,167	17,568	13,697	11,641	12,357	13,221	15,313	18,175	22,283	27,022	227,037

North Central Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Oil Related				Total Sales	Own Use & Losses	Total Energy Requirements
		Total Residential	Total Commercial	Irrigation	Other			
Historical	2000	81,562	70,176	27	3,532	155,297	15,211	170,508
	2001	84,915	69,396	3	3,441	157,755	15,510	173,265
	2002	92,137	77,305	39	3,519	173,000	15,690	188,690
	2003	93,100	79,363	80	3,533	176,076	13,701	189,777
	2004	98,161	85,763	28	3,621	187,573	14,426	201,999
	2005	99,894	86,045	37	3,710	189,686	12,648	202,334
	2006	97,288	85,631	100	3,660	186,679	14,461	201,140
	2007	103,556	87,711	63	3,793	195,123	15,453	210,576
	2008	112,714	91,635	81	3,933	208,363	16,308	224,671
	2009	128,147	98,200	85	4,023	230,455	4,291	234,746
	2010	120,202	98,658	26	4,071	222,957	16,679	239,636
	2011	118,466	106,704	49	4,129	229,348	15,675	245,023
	2012	117,038	114,221	87	4,123	235,469	18,694	254,163
	2013	139,193	113,217	32	4,301	256,743	17,603	274,346
	2014	149,094	114,970	33	4,265	268,362	19,790	288,152
	2015	130,474	109,103	58	4,114	243,749	17,769	261,518
	2016	124,441	90,040	31	4,079	218,591	13,530	232,121
	2017	126,610	96,831	97	4,190	227,728	19,360	247,088
	2018	136,730	104,519	50	4,244	245,543	13,027	258,570
	2019	142,351	106,099	24	4,309	252,783	14,368	267,151
	2020	137,411	79,220	62	4,271	220,964	13,013	233,977
	2021	126,274	89,046	48	4,212	219,580	14,265	233,845
2022	144,450	95,054	31	4,358	243,893	14,763	258,656	
Projected	2023	147,561	92,232	53	4,401	244,247	14,273	258,520
	2024	148,228	88,751	53	4,401	241,433	14,109	255,542
	2025	148,001	86,064	53	4,401	238,519	13,938	252,457
	2026	147,659	83,615	53	4,401	235,728	13,775	249,503
	2027	147,217	81,278	53	4,401	232,949	13,613	246,562
	2028	147,021	78,968	53	4,401	230,443	13,466	243,909
	2029	147,175	77,073	53	4,401	228,702	13,365	242,067
	2030	147,202	75,906	53	4,401	227,562	13,298	240,860
	2031	147,477	74,304	53	4,401	226,235	13,220	239,455
	2032	147,850	72,977	53	4,401	225,281	13,165	238,446
	2033	148,329	71,801	53	4,401	224,584	13,124	237,708
	2034	148,800	71,326	53	4,401	224,580	13,124	237,704
	2035	149,210	70,344	53	4,401	224,008	13,090	237,098
	2036	149,511	69,361	53	4,401	223,326	13,050	236,376
	2037	149,778	68,641	53	4,401	222,873	13,024	235,897
	2038	150,046	67,716	53	4,401	222,216	12,986	235,202
	2039	150,192	67,037	53	4,401	221,683	12,954	234,637
	2040	150,454	66,381	53	4,401	221,289	12,931	234,220
	2041	150,648	65,618	53	4,401	220,720	12,898	233,618
	2042	150,862	64,933	53	4,401	220,249	12,871	233,120
	2043	150,964	64,010	53	4,401	219,428	12,823	232,251
	2044	151,018	63,125	53	4,401	218,597	12,774	231,371
	2045	151,108	62,193	53	4,401	217,755	12,725	230,480
2046	151,220	61,004	53	4,401	216,678	12,662	229,340	
2047	151,255	60,306	53	4,401	216,015	12,623	228,638	
2048	151,348	59,444	53	4,401	215,246	12,578	227,824	
2049	151,418	59,044	53	4,401	214,916	12,559	227,475	
2050	151,434	58,615	53	4,401	214,503	12,535	227,038	

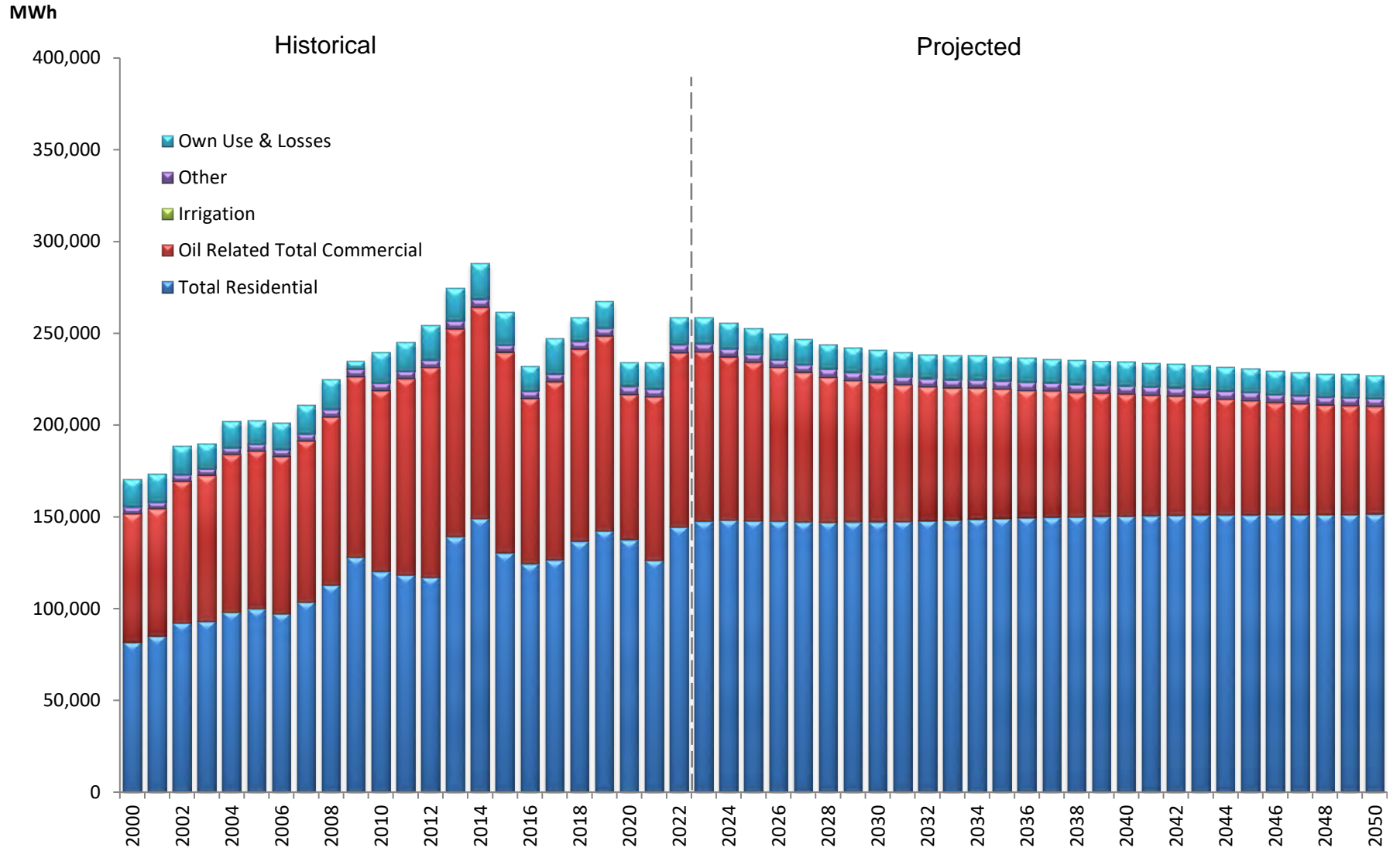
Historical Average Compound Growth Rates:

2000-2022	1.91%	2017-2022	0.92%
2023-2050	-0.48%	2023-2028	-1.16%

Projected Average Compound Growth Rates:

North Central Electric Cooperative

Annual Energy Requirements



NORTHERN PLAINS ELECTRIC

2024 Load Forecast

SUMMARY

Northern Plains Electric Cooperative

Demand Purchases (kW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	73,260	70,303	66,331	48,187	34,220	30,338	35,858	37,476	40,674	50,442	66,565	77,699	631,353
	2009	76,062	70,879	70,398	51,373	35,864	37,633	36,563	39,977	46,996	56,358	59,580	78,541	660,224
	2010	77,747	72,412	61,186	51,189	39,808	43,229	50,918	55,757	47,884	63,328	70,047	75,822	709,327
	2011	79,105	80,746	74,965	56,663	44,852	46,085	48,621	43,848	46,472	61,396	70,556	76,979	730,288
	2012	83,279	76,193	67,651	57,437	43,823	50,011	54,708	56,895	48,966	71,093	75,839	73,817	759,712
	2013	82,503	80,093	74,231	65,545	44,098	35,288	47,994	50,113	49,572	66,168	86,669	89,503	771,727
	2014	95,126	90,515	88,156	75,062	49,324	39,777	51,332	50,452	61,133	81,541	82,902	87,971	853,291
	2015	92,491	88,361	86,554	62,499	40,736	51,195	50,792	61,375	58,352	64,947	66,003	80,897	804,202
	2016	82,247	78,547	70,679	60,666	46,038	48,687	55,055	57,712	57,761	68,518	69,113	87,966	782,989
	2017	91,017	84,121	79,186	60,030	47,266	50,172	57,413	59,831	54,596	71,625	82,148	89,872	825,477
	2018	88,889	89,253	73,773	79,786	49,640	52,277	50,306	57,830	52,775	70,554	81,309	82,872	829,264
	2019	93,394	86,563	84,434	60,732	52,404	49,123	53,174	53,477	60,764	71,237	82,056	90,877	838,235
	2020	88,424	87,920	79,272	72,060	48,366	55,889	55,795	61,152	55,986	65,878	64,078	77,538	812,358
	2021	80,760	93,059	76,768	57,758	48,405	47,821	47,845	49,899	44,002	58,296	65,983	83,878	754,474
2022	89,199	88,122	82,323	62,804	49,774	46,251	53,540	57,983	62,082	69,109	78,557	82,460	822,204	
Projected	2023	90,330	91,233	82,773	64,379	57,494	51,812	53,476	58,084	59,283	71,082	73,863	86,105	839,914
	2024	90,892	88,636	83,285	64,779	53,318	50,102	53,390	57,044	57,328	68,821	74,322	86,637	828,554
	2025	91,432	92,345	83,780	65,164	53,620	50,360	53,658	57,340	57,630	69,194	74,764	87,152	836,439
	2026	91,987	92,905	84,287	65,556	53,928	50,622	53,932	57,641	57,939	69,575	75,216	87,681	841,269
	2027	92,482	93,402	84,734	65,897	54,191	50,846	54,171	57,905	58,206	69,909	75,616	88,153	845,512
	2028	93,033	90,718	85,235	66,280	54,489	51,101	54,439	58,202	58,508	70,283	76,062	88,679	847,029
	2029	93,638	94,565	85,785	66,703	54,819	51,382	54,735	58,528	58,841	70,696	76,553	89,256	855,501
	2030	94,064	94,989	86,163	66,982	55,029	51,562	54,932	58,747	59,060	70,974	76,891	89,662	859,055
	2031	94,477	95,401	86,530	67,255	55,235	51,738	55,125	58,961	59,274	71,245	77,219	90,056	862,516
	2032	94,930	92,550	86,936	67,558	55,466	51,936	55,340	59,198	59,513	71,545	77,580	90,488	863,040
	2033	95,432	96,357	87,387	67,899	55,728	52,159	55,579	59,463	59,781	71,880	77,984	90,967	870,616
	2034	95,986	96,912	87,886	68,279	56,021	52,409	55,846	59,758	60,079	72,253	78,429	91,495	875,353
	2035	96,452	97,380	88,307	68,597	56,266	52,618	56,069	60,005	60,329	72,566	78,805	91,940	879,334
	2036	96,922	94,478	88,731	68,919	56,514	52,831	56,295	60,255	60,583	72,881	79,183	92,387	879,979
	2037	97,437	98,368	89,197	69,276	56,791	53,067	56,545	60,531	60,863	73,230	79,599	92,878	887,782
	2038	97,943	98,877	89,656	69,627	57,063	53,299	56,791	60,802	61,139	73,574	80,009	93,361	892,141
	2039	98,299	99,235	89,978	69,871	57,252	53,460	56,963	60,992	61,331	73,813	80,296	93,701	895,191
	2040	98,832	96,332	90,462	70,244	57,542	53,708	57,223	61,279	61,624	74,177	80,728	94,208	896,359
	2041	99,311	100,253	90,898	70,579	57,803	53,930	57,457	61,538	61,887	74,503	81,117	94,665	903,941
	2042	99,798	100,744	91,341	70,920	58,069	54,157	57,695	61,801	62,155	74,836	81,513	95,130	908,159
	2043	100,180	101,127	91,687	71,184	58,274	54,332	57,880	62,005	62,363	75,094	81,821	95,494	911,441
	2044	100,598	98,047	92,066	71,474	58,499	54,524	58,083	62,229	62,592	75,378	82,160	95,892	911,542
	2045	101,021	101,973	92,451	71,769	58,728	54,720	58,290	62,457	62,823	75,666	82,503	96,296	918,697
	2046	101,334	102,287	92,733	71,984	58,894	54,861	58,440	62,624	62,992	75,876	82,755	96,594	921,374
	2047	101,753	102,708	93,113	72,275	59,120	55,054	58,644	62,849	63,221	76,161	83,094	96,994	924,986
	2048	102,147	99,551	93,471	72,548	59,332	55,235	58,835	63,060	63,436	76,428	83,413	97,370	924,826
	2049	102,438	103,396	93,733	72,747	59,486	55,366	58,975	63,215	63,592	76,624	83,648	97,647	930,867
	2050	102,829	103,789	94,087	73,018	59,696	55,545	59,165	63,424	63,805	76,889	83,964	98,020	934,231

Northern Plains Electric Cooperative

Energy Purchases (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	42,004	38,396	33,696	25,948	21,856	18,959	21,272	24,289	24,942	28,246	36,302	47,464	363,374
	2009	44,917	37,001	40,904	28,400	24,282	22,585	23,440	24,359	30,694	34,623	35,947	47,778	394,930
	2010	45,287	39,705	34,577	26,796	25,327	24,393	31,069	33,874	32,277	36,401	40,757	47,074	417,537
	2011	48,010	41,625	41,236	30,776	26,785	27,862	30,387	27,937	29,489	33,669	40,318	43,581	421,675
	2012	44,638	39,452	32,326	30,855	27,708	29,058	33,225	36,889	31,790	40,796	41,757	46,711	435,205
	2013	48,175	39,805	41,646	31,622	23,252	21,731	30,444	31,017	30,018	43,779	49,108	55,930	446,527
	2014	54,019	47,345	47,752	34,426	31,813	26,625	33,022	33,982	39,576	42,290	49,454	42,335	482,639
	2015	49,722	48,140	40,387	33,391	31,472	29,521	34,283	36,882	32,663	39,981	40,108	43,363	459,913
	2016	47,939	40,098	35,457	33,323	32,992	31,739	32,640	37,579	31,538	40,890	41,913	51,400	457,508
	2017	48,951	40,278	42,043	33,113	31,117	31,284	36,241	35,303	32,859	40,434	45,762	48,757	466,142
	2018	51,459	47,486	42,137	36,393	30,686	31,900	33,601	37,762	33,261	43,251	45,460	47,158	480,554
	2019	52,870	49,626	43,465	33,108	28,898	30,063	32,648	32,780	34,274	38,203	46,341	51,618	473,894
	2020	51,340	44,950	43,612	37,071	29,583	33,811	31,383	36,749	37,793	41,419	37,804	43,326	468,841
	2021	43,785	46,217	36,461	30,906	25,974	28,726	32,170	29,253	25,238	31,071	39,576	47,233	416,610
2022	50,665	46,363	40,519	34,392	26,463	24,552	30,791	33,317	33,320	37,433	41,964	49,803	449,582	
Projected	2023	49,620	45,474	41,196	33,804	30,294	30,241	32,645	35,228	35,577	38,516	41,255	48,359	462,209
	2024	49,928	45,757	41,450	34,014	28,985	28,316	31,855	33,813	33,860	37,780	41,510	48,658	455,926
	2025	50,225	46,028	41,697	34,216	29,153	28,468	32,022	33,988	34,038	37,989	41,757	48,947	458,528
	2026	50,538	46,316	41,957	34,430	29,330	28,628	32,199	34,174	34,225	38,211	42,018	49,253	461,279
	2027	50,844	46,596	42,211	34,638	29,503	28,784	32,371	34,354	34,408	38,426	42,272	49,551	463,958
	2028	51,173	46,898	42,484	34,862	29,689	28,953	32,557	34,549	34,605	38,659	42,545	49,872	466,846
	2029	51,526	47,221	42,777	35,103	29,889	29,133	32,756	34,758	34,816	38,908	42,839	50,216	469,942
	2030	51,826	47,496	43,026	35,307	30,059	29,286	32,925	34,935	34,996	39,120	43,088	50,508	472,572
	2031	52,114	47,760	43,265	35,503	30,221	29,433	33,087	35,105	35,168	39,323	43,327	50,788	475,094
	2032	52,415	48,036	43,515	35,708	30,392	29,587	33,257	35,284	35,349	39,536	43,578	51,082	477,739
	2033	52,738	48,332	43,783	35,928	30,574	29,752	33,438	35,474	35,542	39,763	43,846	51,397	480,567
	2034	53,082	48,648	44,069	36,163	30,769	29,928	33,633	35,678	35,748	40,007	44,133	51,733	483,591
	2035	53,378	48,918	44,314	36,364	30,936	30,079	33,799	35,853	35,924	40,215	44,378	52,020	486,178
	2036	53,669	49,185	44,556	36,562	31,101	30,228	33,963	36,025	36,099	40,421	44,620	52,304	488,733
	2037	53,980	49,470	44,815	36,775	31,277	30,387	34,139	36,209	36,285	40,641	44,880	52,608	491,466
	2038	54,285	49,749	45,067	36,982	31,449	30,542	34,310	36,389	36,467	40,856	45,132	52,904	494,132
	2039	54,507	49,953	45,252	37,134	31,575	30,656	34,436	36,521	36,600	41,013	45,318	53,121	496,086
	2040	54,817	50,237	45,509	37,345	31,750	30,814	34,610	36,704	36,786	41,231	45,575	53,423	498,801
	2041	55,098	50,495	45,743	37,536	31,910	30,958	34,769	36,870	36,954	41,430	45,809	53,697	501,269
	2042	55,385	50,757	45,980	37,731	32,072	31,104	34,930	37,040	37,125	41,632	46,047	53,976	503,779
	2043	55,615	50,968	46,171	37,888	32,202	31,222	35,059	37,176	37,263	41,795	46,238	54,201	505,798
	2044	55,864	51,197	46,378	38,058	32,343	31,349	35,200	37,323	37,412	41,971	46,446	54,443	507,984
	2045	56,116	51,428	46,588	38,230	32,485	31,478	35,342	37,472	37,563	42,149	46,655	54,690	510,196
	2046	56,310	51,605	46,749	38,362	32,595	31,577	35,451	37,587	37,679	42,286	46,817	54,878	511,896
	2047	56,561	51,835	46,957	38,532	32,737	31,705	35,592	37,735	37,829	42,462	47,025	55,122	514,092
	2048	56,798	52,053	47,154	38,694	32,871	31,827	35,726	37,875	37,971	42,630	47,222	55,354	516,175
	2049	56,981	52,220	47,305	38,819	32,974	31,920	35,829	37,983	38,080	42,759	47,374	55,532	517,776
	2050	57,217	52,436	47,501	38,979	33,108	32,041	35,962	38,123	38,222	42,926	47,570	55,762	519,847

Northern Plains Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	Year	Total	Small	Large	Irrigation	Other	Total	Own Use & Losses	Total
		Residential	Commercial	Commercial			Sales		Energy Requirements
Historical	2000	161,125	15,644	82,021	2,355	23,725	284,870	21,304	306,174
	2001	168,553	16,243	82,605	2,211	16,121	285,733	12,883	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	15,109	296,135	16,709	312,844
	2004	185,143	17,345	85,423	2,585	21,142	311,638	21,361	332,999
	2005	185,734	17,641	83,899	2,903	20,030	310,207	12,378	322,585
	2006	180,981	18,569	78,196	4,772	18,298	300,816	18,627	319,443
	2007	197,618	19,596	82,101	3,921	17,302	320,538	22,712	343,250
	2008	205,555	20,385	85,715	4,217	22,159	338,031	25,343	363,374
	2009	224,597	21,608	100,419	3,677	22,429	372,730	22,200	394,930
	2010	211,817	21,155	120,773	3,390	39,423	396,558	20,980	417,538
	2011	215,539	22,001	116,634	1,887	49,490	405,551	16,124	421,675
	2012	199,152	20,541	135,204	4,633	52,928	412,458	22,746	435,204
	2013	236,262	22,840	122,445	5,339	27,517	414,403	32,124	446,527
	2014	257,624	23,880	133,380	3,228	46,940	465,052	17,586	482,638
	2015	218,123	21,465	134,452	4,881	61,498	440,419	19,494	459,913
	2016	222,070	21,846	138,182	4,236	64,503	450,837	6,671	457,508
	2017	223,248	22,126	142,679	5,602	62,771	456,426	9,715	466,141
	2018	229,255	22,157	141,525	4,385	57,811	455,133	25,421	480,554
	2019	241,568	22,805	126,816	1,978	56,886	450,053	23,839	473,892
	2020	238,856	21,401	134,096	5,054	47,028	446,435	22,407	468,842
	2021	209,777	20,337	111,601	7,288	46,981	395,984	20,624	416,608
2022	237,676	22,434	121,556	6,291	42,338	430,295	19,287	449,582	
Projected	2023	237,076	22,040	132,343	5,419	42,487	439,365	22,845	462,210
	2024	239,032	21,885	124,015	5,522	42,487	432,941	22,986	455,927
	2025	240,752	21,834	124,708	5,625	42,487	435,406	23,123	458,529
	2026	242,590	21,892	125,315	5,728	42,487	438,012	23,268	461,280
	2027	244,164	22,040	126,028	5,831	42,487	440,550	23,408	463,958
	2028	246,013	22,175	126,677	5,935	42,487	443,287	23,560	466,847
	2029	248,104	22,305	127,284	6,038	42,487	446,218	23,722	469,940
	2030	249,839	22,439	127,804	6,141	42,487	448,710	23,861	472,571
	2031	251,441	22,572	128,357	6,244	42,487	451,101	23,993	475,094
	2032	253,207	22,689	128,878	6,347	42,487	453,608	24,132	477,740
	2033	254,986	22,854	129,510	6,451	42,487	456,288	24,281	480,569
	2034	256,966	23,010	130,135	6,554	42,487	459,152	24,439	483,591
	2035	258,548	23,158	130,754	6,657	42,487	461,604	24,575	486,179
	2036	260,104	23,305	131,367	6,760	42,487	464,023	24,710	488,733
	2037	261,843	23,444	131,976	6,863	42,487	466,613	24,853	491,466
	2038	263,533	23,574	132,580	6,967	42,487	469,141	24,993	494,134
	2039	264,550	23,705	133,180	7,070	42,487	470,992	25,096	496,088
	2040	266,293	23,835	133,777	7,173	42,487	473,565	25,238	498,803
	2041	267,820	23,948	134,371	7,276	42,487	475,902	25,368	501,270
	2042	269,383	24,069	134,962	7,379	42,487	478,280	25,500	503,780
	2043	270,488	24,182	135,552	7,483	42,487	480,192	25,606	505,798
	2044	271,763	24,286	136,140	7,586	42,487	482,262	25,721	507,983
	2045	273,067	24,391	136,727	7,689	42,487	484,361	25,837	510,198
	2046	273,883	24,495	137,313	7,792	42,487	485,970	25,926	511,896
	2047	275,171	24,599	137,899	7,895	42,487	488,051	26,042	514,093
	2048	276,360	24,694	138,485	7,999	42,487	490,025	26,151	516,176
	2049	277,093	24,790	139,070	8,102	42,487	491,542	26,235	517,777
	2050	278,269	24,885	139,657	8,205	42,487	493,503	26,344	519,847

Historical Average Compound Growth Rates:

2000-2022	1.76%	2017-2022	-0.72%
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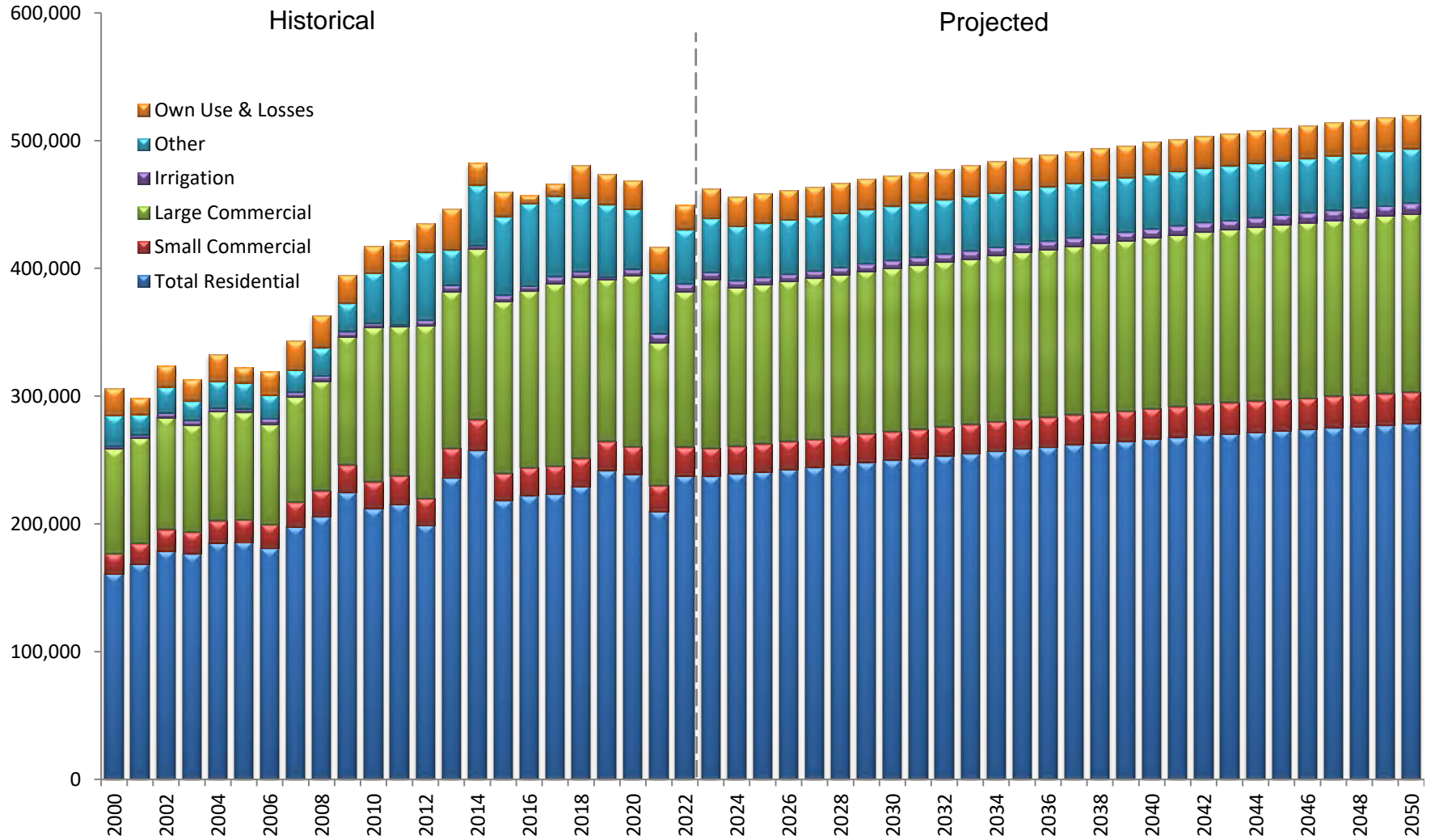
Projected Average Compound Growth Rates:

2023-2050	0.44%	2023-2028	0.20%
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Northern Plains Electric Cooperative

Annual Energy Requirements

MWh



VERENDRYE ELECTRIC

2024 Load Forecast

SUMMARY

Verendrye Electric Cooperative

Demand Purchases (kW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	81,937	80,005	73,465	57,007	51,099	55,194	60,523	64,687	51,341	59,582	69,970	84,037	788,847
	2009	83,053	77,958	82,480	59,829	49,217	58,561	55,452	61,936	62,375	58,343	62,688	86,016	797,908
	2010	86,528	79,028	68,117	54,788	58,388	61,091	67,311	67,299	58,140	65,274	83,020	87,325	836,309
	2011	85,205	89,470	85,258	66,793	56,456	61,387	71,945	71,137	66,376	65,534	84,885	95,688	900,134
	2012	109,881	96,583	82,274	71,855	57,495	73,480	79,228	83,409	67,305	74,585	91,951	94,072	982,118
	2013	112,218	105,932	96,385	83,416	65,834	65,566	70,124	79,311	79,480	77,042	103,602	114,478	1,053,388
2014	122,894	111,889	111,882	97,660	77,410	63,483	73,407	77,217	80,762	86,261	111,712	112,136	1,126,713	
2015	118,132	116,141	116,813	77,835	73,544	79,993	80,351	86,700	86,392	73,411	94,392	103,618	1,107,322	
2016	112,567	107,504	96,552	80,502	67,959	78,714	85,237	87,597	77,025	72,321	81,791	119,597	1,067,366	
2017	117,955	114,487	105,577	77,938	63,259	72,113	81,618	82,807	82,127	82,711	95,048	119,872	1,095,512	
2018	120,491	119,522	95,411	105,880	72,851	72,988	76,681	86,495	71,512	80,228	99,311	107,542	1,108,912	
2019	126,158	120,127	112,919	82,840	67,394	72,784	75,925	80,745	80,888	93,405	100,678	114,700	1,128,563	
2020	115,584	109,818	100,675	93,375	65,951	79,878	82,782	87,567	70,362	85,986	90,381	105,717	1,088,076	
2021	110,979	124,277	99,027	74,652	67,442	82,537	81,905	84,802	70,553	67,053	95,082	116,323	1,074,632	
2022	122,168	117,826	109,319	81,331	66,853	78,805	84,397	85,093	88,458	77,935	101,145	122,624	1,135,954	
Projected	2023	125,257	122,643	112,287	86,311	70,304	80,157	83,502	88,614	82,662	84,052	102,196	122,197	1,160,182
	2024	128,706	122,348	115,330	88,501	71,976	82,159	86,374	91,633	85,481	86,920	105,657	126,311	1,191,396
	2025	130,715	127,996	117,192	90,052	73,337	83,640	87,899	93,211	86,987	88,444	107,397	128,289	1,215,159
	2026	132,363	129,623	118,734	91,372	74,522	84,911	88,452	93,802	87,526	89,495	108,603	129,665	1,229,068
	2027	134,307	131,556	120,620	93,143	76,227	86,659	91,222	96,589	90,282	91,759	113,946	137,599	1,263,909
	2028	143,813	137,277	130,058	102,449	85,457	95,940	99,528	104,914	98,571	100,057	119,335	140,593	1,357,992
	2029	144,376	141,595	130,548	102,794	85,718	96,257	99,871	105,279	98,896	100,392	119,770	141,143	1,366,639
	2030	147,847	145,050	133,947	106,062	88,916	99,504	103,151	108,574	102,149	103,656	123,123	144,604	1,406,583
	2031	148,457	145,640	134,470	106,423	89,185	99,836	103,518	108,962	102,489	104,008	123,587	145,199	1,411,774
	2032	149,203	142,515	135,116	106,874	89,525	100,251	103,970	109,443	102,915	104,448	124,161	145,929	1,414,350
	2033	159,979	157,121	145,790	117,347	99,882	110,685	114,442	119,944	113,362	114,908	134,759	156,687	1,544,906
	2034	160,803	157,922	146,507	117,854	100,265	111,149	114,943	120,478	113,839	115,400	135,397	157,491	1,552,048
	2035	161,603	158,702	147,205	118,347	100,638	111,600	115,431	120,997	114,305	115,879	136,017	158,273	1,558,997
	2036	162,459	155,576	147,953	118,877	101,040	112,086	115,953	121,554	114,806	116,394	136,682	159,108	1,562,488
	2037	163,267	160,324	148,660	119,379	101,421	112,546	116,447	122,080	115,279	116,880	137,311	159,896	1,573,490
	2038	164,045	161,083	149,341	119,863	101,788	112,989	116,923	122,587	115,736	117,350	137,917	160,656	1,580,278
	2039	164,744	161,764	149,952	120,297	102,117	113,386	117,350	123,042	116,146	117,771	138,461	161,338	1,586,368
	2040	165,468	158,409	150,587	120,750	102,461	113,800	117,793	123,515	116,573	118,210	139,025	162,045	1,588,636
	2041	166,183	163,168	151,214	121,197	102,801	114,210	118,231	123,982	116,996	118,643	139,584	162,743	1,598,952
	2042	166,810	163,779	151,763	121,587	103,097	114,567	118,614	124,391	117,364	119,021	140,072	163,354	1,604,419
	2043	167,463	164,417	152,335	121,995	103,406	114,940	119,014	124,817	117,749	119,417	140,581	163,992	1,610,126
	2044	168,111	160,899	152,903	122,399	103,713	115,310	119,410	125,240	118,131	119,808	141,086	164,625	1,611,635
	2045	168,700	165,622	153,418	122,764	103,990	115,644	119,770	125,623	118,476	120,163	141,544	165,199	1,620,913
	2046	169,264	166,172	153,911	123,114	104,256	115,965	120,114	125,990	118,806	120,503	141,983	165,750	1,625,828
	2047	169,798	166,693	154,377	123,445	104,506	116,268	120,440	126,337	119,118	120,823	142,398	166,271	1,630,474
	2048	170,353	163,008	154,862	123,789	104,767	116,582	120,779	126,698	119,443	121,157	142,829	166,813	1,631,080
	2049	170,895	167,762	155,336	124,124	105,021	116,890	121,110	127,051	119,760	121,483	143,250	167,342	1,640,024
	2050	171,433	168,286	155,805	124,457	105,273	117,194	121,438	127,400	120,074	121,806	143,668	167,867	1,644,701

Verendrye Electric Cooperative

Energy Purchases (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
H i s t o r i c a l	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	45,826	42,974	38,571	32,309	29,071	28,762	32,996	34,538	29,916	33,104	38,608	50,439	437,114
	2009	49,808	42,560	43,029	33,563	29,728	30,362	31,691	32,791	33,813	36,171	37,326	51,619	452,461
	2010	49,999	44,263	40,309	32,957	32,818	30,618	35,630	37,295	33,799	36,670	43,809	52,828	470,995
	2011	53,917	48,500	48,146	38,410	34,842	30,991	37,526	38,665	35,658	37,617	46,402	54,025	504,699
	2012	56,360	50,527	43,053	38,839	35,266	35,110	41,471	41,588	34,964	42,938	50,661	60,500	531,277
	2013	61,920	51,908	55,173	45,628	35,920	35,373	38,278	39,994	39,847	43,969	54,613	69,135	571,758
	2014	66,446	62,234	58,317	47,800	42,016	38,808	42,149	42,681	43,710	46,364	60,869	64,137	615,531
	2015	65,964	62,823	54,158	43,936	40,748	39,420	44,265	45,744	39,772	40,998	50,514	60,401	588,743
	2016	64,358	54,191	50,162	44,919	40,014	41,146	43,665	47,333	39,479	45,433	48,571	68,715	587,986
	2017	67,234	55,461	57,894	45,187	39,559	40,303	45,835	44,132	41,285	45,413	55,294	64,046	601,643
	2018	67,269	63,190	56,083	49,750	41,094	40,277	44,145	46,427	40,353	47,477	56,919	60,853	613,837
	2019	68,494	66,994	58,270	44,005	40,127	39,269	44,363	43,378	42,123	50,576	56,463	64,642	618,704
	2020	66,624	56,987	53,458	47,263	40,550	39,542	44,152	45,439	40,612	47,567	51,035	57,263	590,492
	2021	58,586	62,678	48,916	43,008	39,074	41,137	45,461	41,174	37,416	41,718	49,797	63,408	572,373
2022	67,683	60,921	55,424	47,591	38,770	39,166	43,399	44,267	40,720	43,540	55,806	68,530	605,817	
P r o j e c t e d	2023	68,358	62,749	57,434	47,127	40,978	41,366	45,830	45,760	42,673	48,261	56,137	67,425	624,098
	2024	70,277	64,514	58,984	48,360	42,034	42,407	47,444	47,367	44,180	49,930	58,084	69,737	643,318
	2025	71,406	65,587	59,979	49,239	42,848	43,216	48,305	48,226	45,003	50,812	59,068	70,854	654,543
	2026	72,335	66,475	60,811	49,989	43,552	43,916	48,613	48,533	45,284	51,409	59,737	71,618	662,272
	2027	73,467	67,585	61,890	51,024	44,561	44,922	50,188	50,106	46,844	52,718	62,728	76,030	682,063
	2028	79,444	73,536	67,806	56,886	50,394	50,753	55,495	55,412	52,133	58,034	66,448	78,442	744,783
	2029	79,788	73,853	68,084	57,108	50,583	50,940	55,707	55,624	52,327	58,256	66,721	78,780	747,771
	2030	81,879	75,916	70,109	59,077	52,521	52,876	57,668	57,583	54,269	60,227	68,741	80,865	771,731
	2031	82,284	76,289	70,436	59,338	52,744	53,095	57,918	57,832	54,497	60,489	69,061	81,262	775,245
	2032	82,755	76,722	70,816	59,640	53,003	53,351	58,209	58,121	54,761	60,793	69,434	81,724	779,329
	2033	89,074	83,003	77,044	65,789	59,107	59,451	64,345	64,256	60,871	66,943	75,654	88,035	853,572
	2034	89,575	83,463	77,448	66,110	59,382	59,722	64,654	64,563	61,152	67,267	76,050	88,527	857,913
	2035	90,059	83,908	77,839	66,421	59,649	59,985	64,953	64,860	61,424	67,579	76,433	89,001	862,111
	2036	90,566	84,375	78,249	66,748	59,928	60,260	65,266	65,171	61,710	67,907	76,834	89,500	866,514
	2037	91,044	84,814	78,634	67,055	60,191	60,519	65,561	65,465	61,978	68,216	77,212	89,968	870,657
	2038	91,503	85,236	79,005	67,350	60,443	60,769	65,844	65,746	62,236	68,512	77,576	90,419	874,639
	2039	91,917	85,617	79,339	67,616	60,671	60,993	66,099	66,000	62,469	68,780	77,903	90,825	878,229
	2040	92,337	86,003	79,679	67,886	60,902	61,221	66,359	66,258	62,705	69,051	78,236	91,237	881,874
	2041	92,753	86,385	80,014	68,153	61,130	61,446	66,615	66,513	62,939	69,320	78,565	91,645	885,478
	2042	93,120	86,723	80,311	68,389	61,333	61,646	66,842	66,739	63,145	69,557	78,856	92,006	888,667
	2043	93,503	87,075	80,620	68,635	61,543	61,853	67,078	66,974	63,360	69,805	79,159	92,382	891,987
	2044	93,882	87,424	80,927	68,879	61,752	62,059	67,312	67,207	63,574	70,050	79,459	92,754	895,279
	2045	94,230	87,744	81,207	69,103	61,943	62,248	67,527	67,420	63,769	70,274	79,734	93,095	898,294
	2046	94,565	88,051	81,478	69,318	62,127	62,429	67,733	67,626	63,957	70,491	79,999	93,424	901,198
	2047	94,883	88,344	81,735	69,523	62,302	62,602	67,930	67,821	64,136	70,697	80,251	93,737	903,961
	2048	95,213	88,648	82,001	69,735	62,484	62,781	68,134	68,024	64,322	70,910	80,512	94,061	906,825
	2049	95,537	88,946	82,263	69,943	62,662	62,957	68,334	68,222	64,504	71,119	80,768	94,379	909,634
	2050	95,858	89,241	82,522	70,149	62,839	63,131	68,532	68,420	64,684	71,327	81,023	94,694	912,420

Verendrye Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Total</u>	<u>Small</u>	<u>Large</u>			<u>Total</u>	<u>Own Use</u>	<u>Total</u>	
<u>Year</u>	<u>Residential</u>	<u>Commercial</u>	<u>Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Sales</u>	<u>& Losses</u>	<u>Requirements</u>	
H	2000	103,405	25,767	91,168	1,756	92,167	314,263	13,487	327,750
i	2001	107,774	25,812	95,972	1,684	92,710	323,952	10,479	334,431
s	2002	115,075	26,762	98,229	1,935	88,673	330,674	11,624	342,298
t	2003	118,258	27,417	96,819	2,294	88,713	333,501	14,666	348,167
o	2004	119,713	27,377	102,577	2,042	85,147	336,856	13,985	350,841
r	2005	125,671	28,522	112,323	1,929	85,771	354,216	6,617	360,833
i	2006	130,065	28,580	124,262	2,942	86,691	372,540	12,697	385,237
c	2007	141,014	30,300	131,162	3,039	86,301	391,816	12,439	404,255
a	2008	151,493	31,906	152,307	2,928	86,730	425,364	11,752	437,116
i	2009	162,630	34,289	152,033	2,850	88,323	440,125	12,337	452,462
c	2010	167,465	36,411	163,651	1,906	90,452	459,885	11,110	470,995
a	2011	181,639	38,345	171,036	2,027	93,267	486,314	18,384	504,698
i	2012	201,898	40,843	176,961	2,969	90,439	513,110	18,167	531,277
	2013	226,559	42,225	188,501	2,062	91,896	551,243	20,516	571,759
	2014	234,344	43,315	225,700	1,789	88,936	594,084	21,445	615,529
	2015	213,340	40,670	223,633	2,918	88,143	568,704	20,038	588,742
	2016	205,246	38,782	238,430	2,748	84,015	569,221	18,764	587,985
	2017	209,885	42,250	243,266	4,086	83,622	583,109	18,532	601,641
	2018	223,267	42,424	240,721	3,538	85,002	594,952	18,884	613,836
	2019	227,515	41,080	244,656	2,618	83,938	599,807	18,896	618,703
	2020	217,771	36,552	231,800	3,601	82,603	572,327	18,165	590,492
	2021	212,363	37,506	218,101	4,500	81,431	553,901	18,473	572,374
	2022	237,101	41,345	225,289	3,564	80,609	587,908	17,911	605,819
	2023	232,708	41,613	246,203	3,733	80,554	604,811	19,286	624,097
	2024	247,765	41,864	249,483	3,733	80,554	623,399	19,918	643,317
	2025	252,670	42,101	255,336	3,733	80,554	634,394	20,149	654,543
	2026	255,961	42,323	259,387	3,733	80,554	641,958	20,313	662,271
	2027	257,398	42,530	277,445	3,733	80,554	661,660	20,403	682,063
	2028	259,241	42,723	338,024	3,733	80,554	724,275	20,509	744,784
	2029	261,299	42,904	338,658	3,733	80,554	727,148	20,622	747,770
	2030	263,334	43,072	360,306	3,733	80,554	750,999	20,733	771,732
	2031	265,940	43,228	360,923	3,733	80,554	754,378	20,867	775,245
	2032	269,114	43,374	361,532	3,733	80,554	758,307	21,022	779,329
P	2033	272,382	43,509	432,214	3,733	80,554	832,392	21,180	853,572
r	2034	275,842	43,630	432,811	3,733	80,554	836,570	21,344	857,914
o	2035	279,181	43,743	433,397	3,733	80,554	840,608	21,504	862,112
j	2036	282,726	43,844	433,985	3,733	80,554	844,842	21,671	866,513
e	2037	286,053	43,932	434,557	3,733	80,554	848,829	21,828	870,657
c	2038	289,226	44,012	435,136	3,733	80,554	852,661	21,979	874,640
t	2039	292,044	44,083	435,698	3,733	80,554	856,112	22,115	878,227
e	2040	294,921	44,147	436,264	3,733	80,554	859,619	22,253	881,872
d	2041	297,780	44,204	436,817	3,733	80,554	863,088	22,390	885,478
	2042	300,241	44,256	437,374	3,733	80,554	866,158	22,511	888,669
	2043	302,838	44,302	437,923	3,733	80,554	869,350	22,637	891,987
	2044	305,413	44,343	438,475	3,733	80,554	872,518	22,762	895,280
	2045	307,731	44,381	439,017	3,733	80,554	875,416	22,876	898,292
	2046	309,936	44,417	439,570	3,733	80,554	878,210	22,987	901,197
	2047	312,019	44,451	440,112	3,733	80,554	880,869	23,092	903,961
	2048	314,193	44,482	440,663	3,733	80,554	883,625	23,200	906,825
	2049	316,318	44,514	441,208	3,733	80,554	886,327	23,307	909,634
	2050	318,413	44,545	441,762	3,733	80,554	889,007	23,412	912,419

Historical Average Compound Growth Rates:

2000-2022	2.83%	2017-2022	0.14%
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Projected Average Compound Growth Rates:

2023-2050	1.42%	2023-2028	3.60%
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Verendrye Electric Cooperative

Annual Energy Requirements

