



Central Power Electric Cooperative, Inc.

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May 31, 2022

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', is written over a horizontal line.

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

Enclosures

1 PU-22-226 Filed 05/31/2022 Pages: 88
2022 Ten Year Plan
Central Power Electric Cooperative, Inc
Mark Sherman, P.E.

CENTRAL POWER ELECTRIC COOPERATIVE, INC.

TEN YEAR PLAN

2022

**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 %
2009/10	328.6	0.0%	0.0%
2010/11	330.6	0.6%	0.6%
2011/12	373.8	13.1%	13.8%
2012/13	377.4	1.0%	14.9%
2013/14	479.3	27.0%	45.9%
2014/15	463.7	-3.3%	41.1%
2015/16	436.4	-5.9%	32.8%
2016/17	466.3	6.9%	41.9%
2017/18	463.6	-0.6%	41.1%
2018/19	483.3	4.2%	47.1%

*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 2021 Update of the 2020 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)
2019/20	479.1
2020/21	487.9
2021/22	495.3
2022/23	503.7
2023/24	510.1
2024/25	515.7
2025/26	521.4
2026/27	526.9
2027/28	532.5
2028/29	538.0

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.



2021 UPDATE

OF THE 2020 LOAD FORECAST

2021 Update

Of the 2020 Load Forecast

*Central Power Electric
Power Cooperative*

Introduction

INTRODUCTION

The purpose of the 2021 Update of the 2020 Load Forecast (2021 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 2021 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 2021 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 2020 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 2021 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 2021 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.

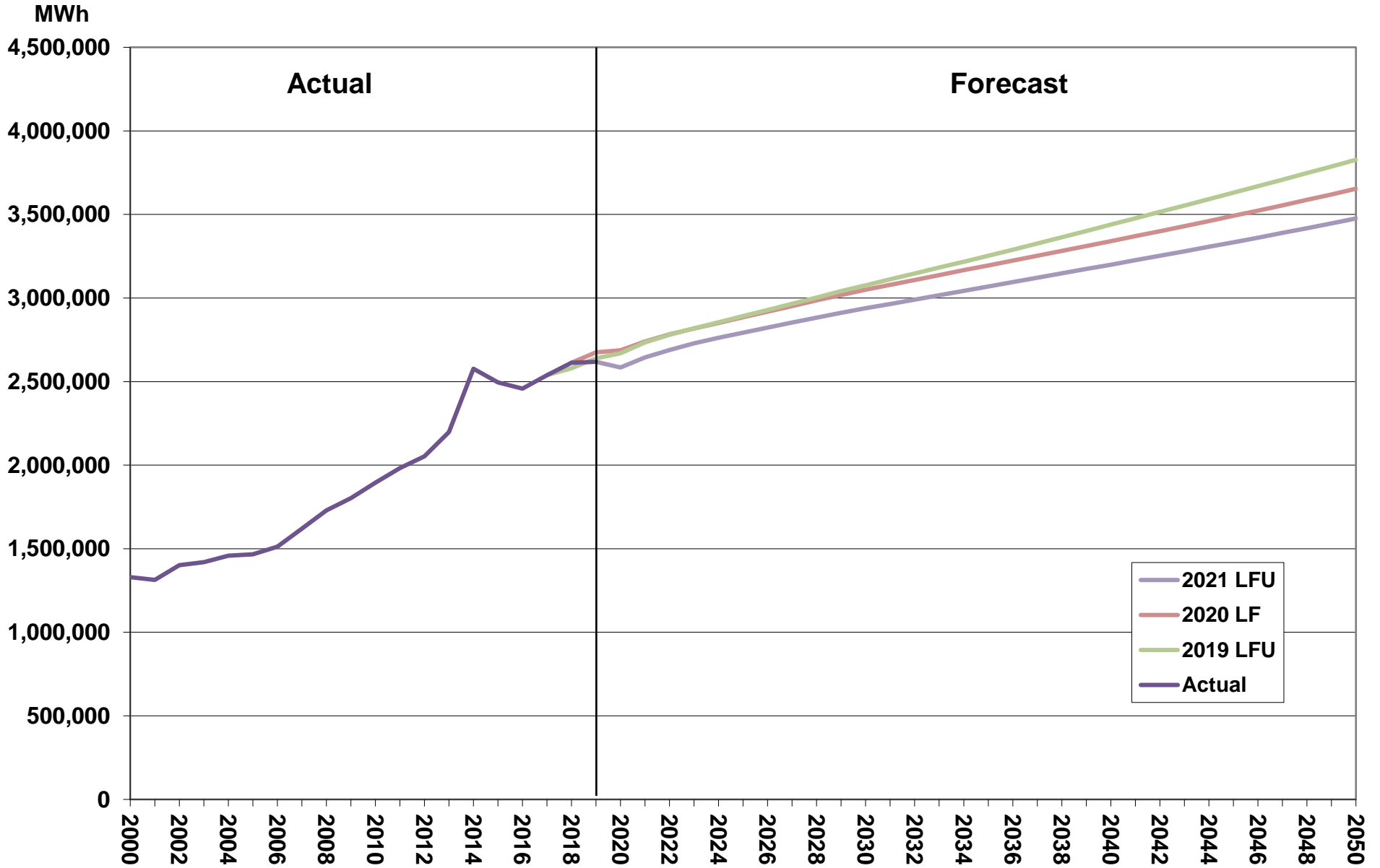
COMPARISONS

2021 Load Forecast

Central Power

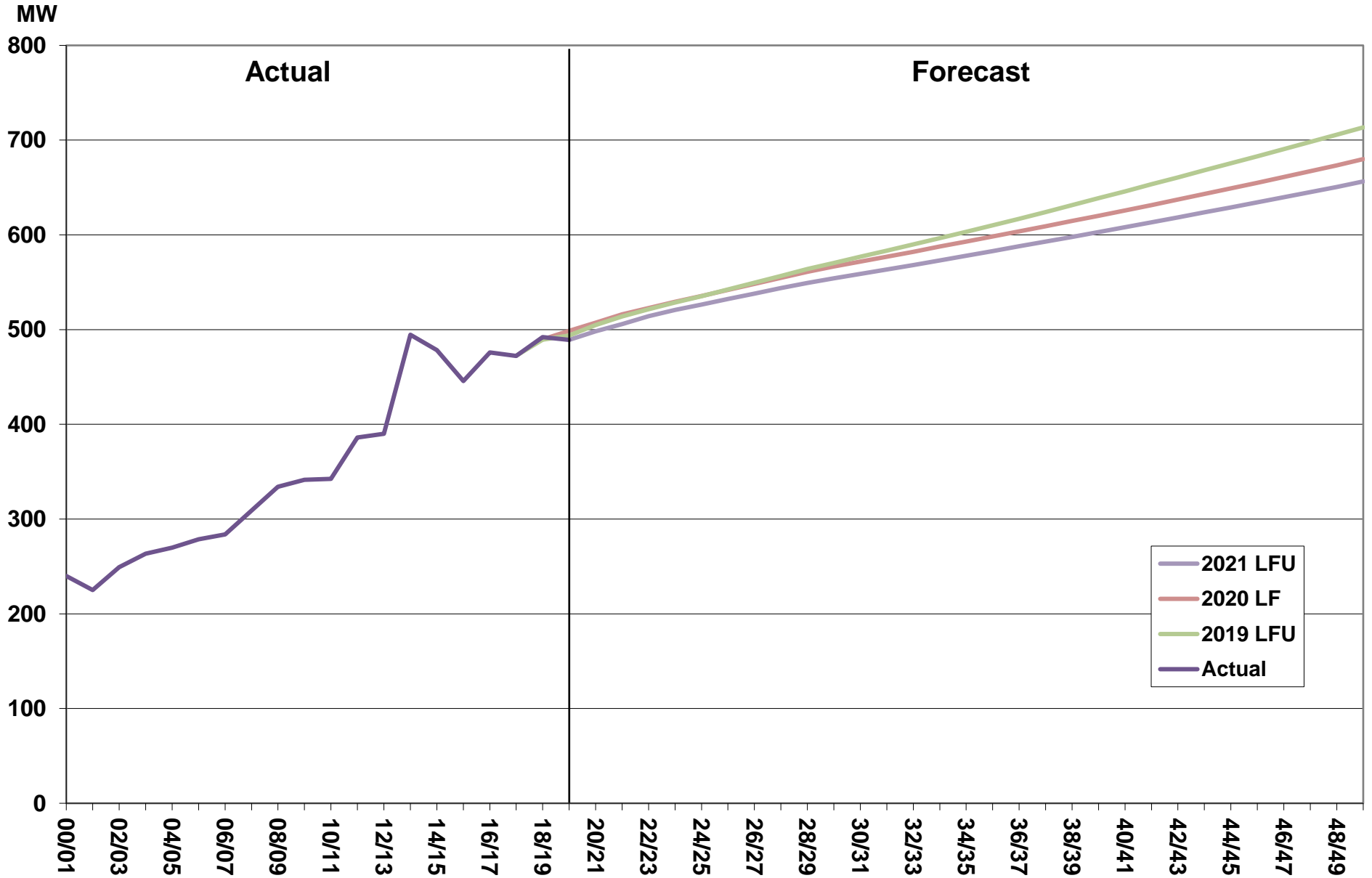
Central Power Total Energy Requirements

Graph A



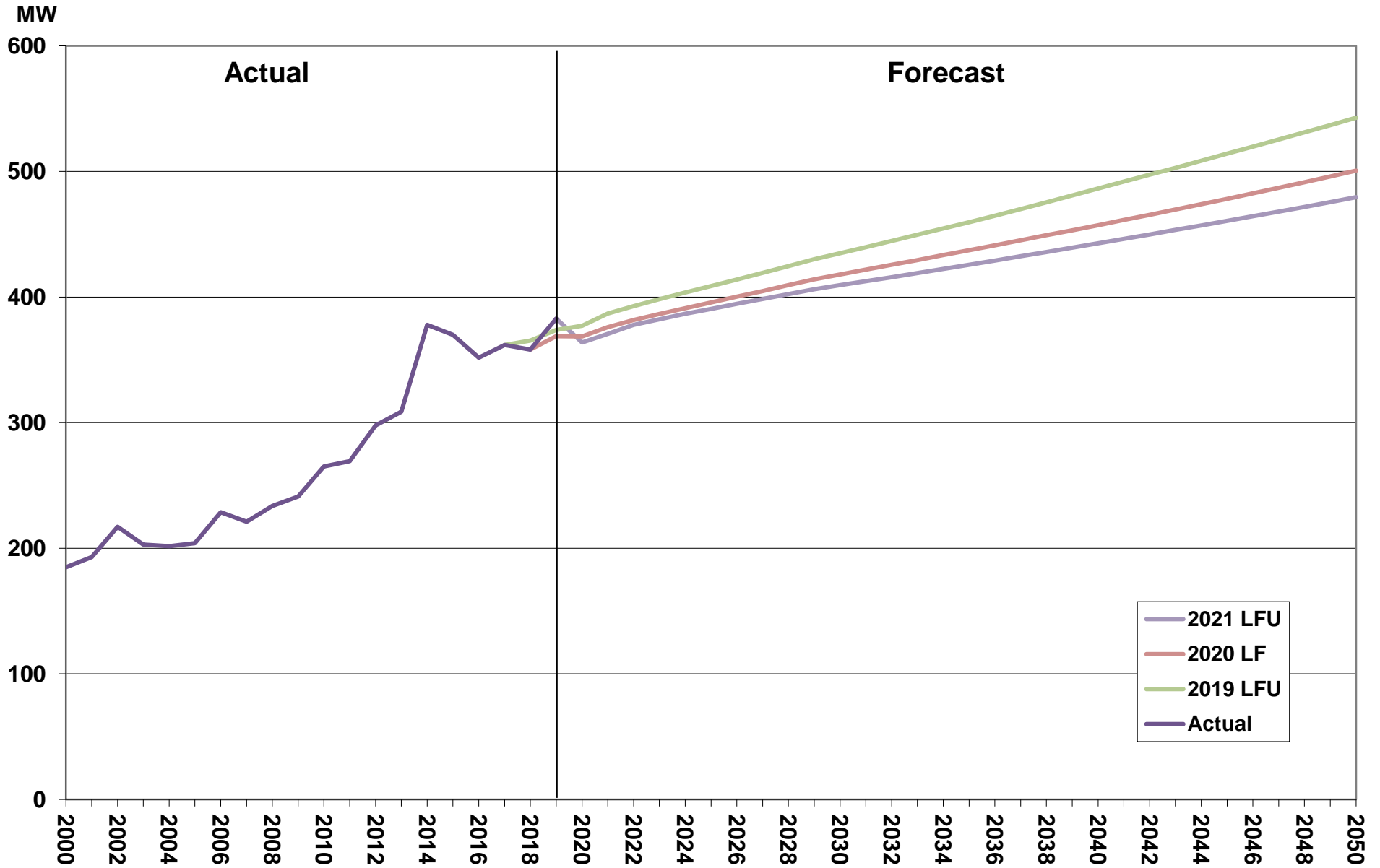
Central Power Peak Demand Winter Season

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 .99 percent over the 2020 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 40 percent of the members' total energy requirements in 2019. The residential sales are projected to increase at an average compound growth rate of 1.09 percent between 2020 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 16,626 between 2020 and 2050. This represents an average annual compound growth rate of 0.83 percent between 2020 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	Capital *	Dakota		North	Northern		Total
		Valley	McLean	Central	Plains	Verendrye	
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	384,349	671,673	141,128	269,289	462,375	609,852	2,538,666
2021	389,901	688,507	150,965	270,833	466,994	629,913	2,597,113
2022	396,144	692,896	152,672	273,020	470,878	655,800	2,641,410
2023	403,090	697,955	154,550	275,151	475,138	675,310	2,681,194
2024	410,340	702,837	156,463	277,593	479,326	687,043	2,713,602
2025	417,600	707,486	158,194	279,347	483,095	697,862	2,743,584
2026	424,643	712,146	159,983	281,372	487,013	708,206	2,773,363
2027	431,530	716,277	161,720	283,222	490,693	718,844	2,802,286
2028	438,515	721,163	163,505	285,125	494,139	729,053	2,831,500
2029	445,480	725,681	165,178	287,040	497,220	738,915	2,859,514
2030	451,786	729,675	166,732	288,652	500,472	749,069	2,886,386
2031	457,992	733,631	168,247	289,834	503,959	757,845	2,911,508
2032	464,536	737,654	169,683	291,013	507,509	766,680	2,937,075
2033	471,101	741,766	171,204	292,022	510,849	775,532	2,962,474
2034	477,642	745,872	172,785	293,500	514,250	784,586	2,988,635
2035	484,057	749,926	174,240	294,590	517,705	793,648	3,014,166
2036	490,491	753,725	175,754	296,384	521,094	802,631	3,040,079
2037	496,934	757,844	177,328	297,660	524,290	811,698	3,065,754
2038	503,188	761,892	178,929	299,023	527,810	820,750	3,091,592
2039	509,501	765,755	180,525	300,323	531,193	829,962	3,117,259
2040	515,887	769,938	182,127	301,625	534,271	839,026	3,142,874
2041	522,187	774,035	183,748	302,779	537,868	848,188	3,168,805
2042	528,582	777,797	185,429	304,566	541,386	857,422	3,195,182
2043	535,082	781,886	187,091	305,889	545,000	866,747	3,221,695
2044	541,552	786,012	188,721	307,152	548,675	876,082	3,248,194
2045	548,124	790,043	190,348	308,510	552,025	885,578	3,274,628
2046	554,626	794,064	192,070	310,173	555,741	895,147	3,301,821
2047	561,292	798,300	193,786	311,811	559,636	904,900	3,329,725
2048	568,111	802,379	195,433	312,857	563,502	914,788	3,357,070
2049	575,071	806,700	197,136	314,456	567,099	924,791	3,385,253
2050	582,026	810,779	198,835	316,449	571,256	935,079	3,414,424
							Projected

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

Central Power

System Energy Requirements By Consumer Classification (MWh)

Table 2

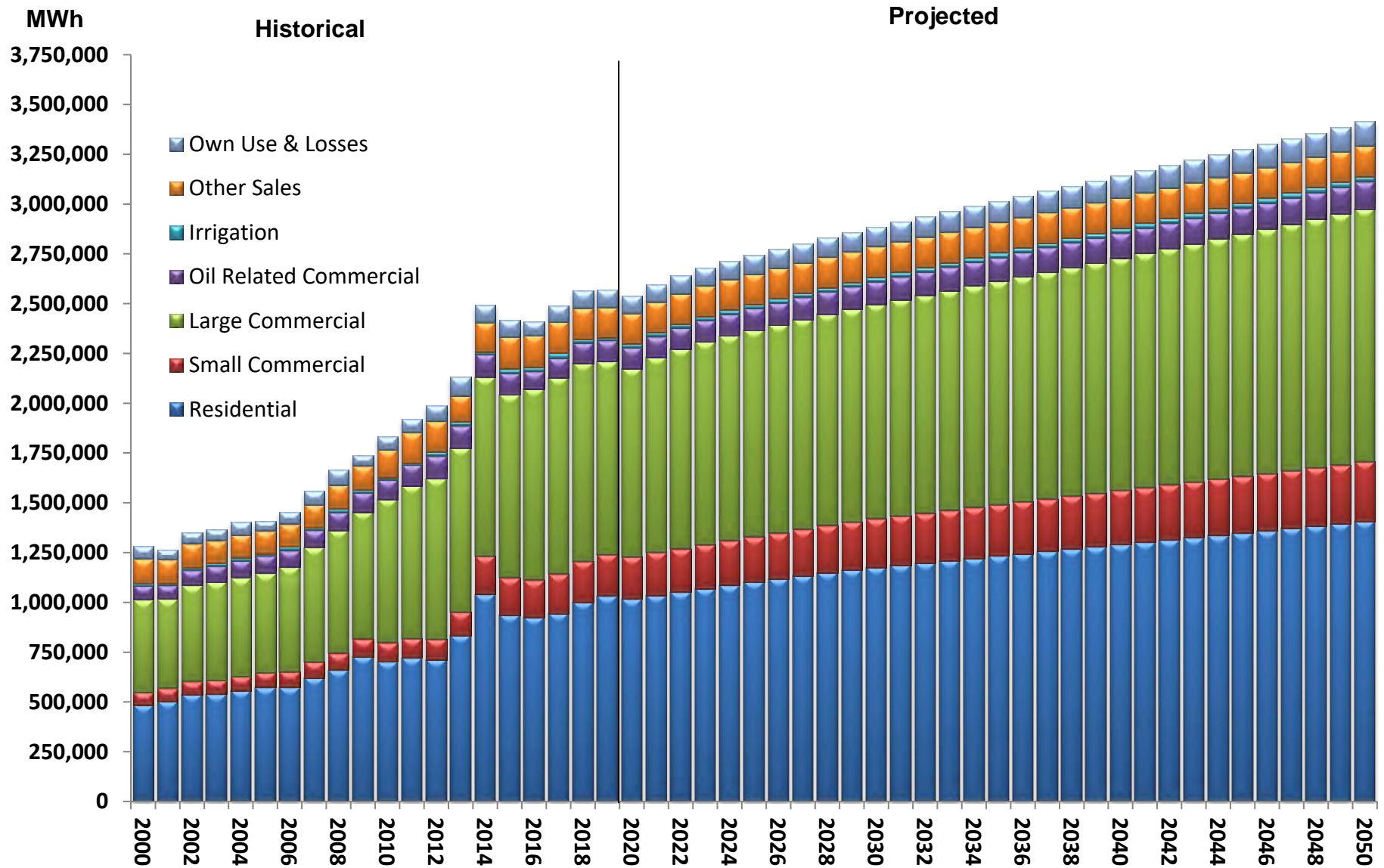
Year	Residential	Small Commercial	Large Commercial	Oil Related	Irrigation	Other Sales	Own Use & Losses	Total Energy Requirements
2000	485,486	62,902	465,226	70,176	9,457	125,530	62,597	1,281,374
2001	503,279	65,127	448,654	69,396	10,405	118,329	50,030	1,265,220
2002	537,417	67,272	480,316	77,305	12,860	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	1,018,149	210,939	944,863	105,221	18,877	153,082	87,535	2,538,666
2021	1,036,052	214,155	980,201	105,572	19,102	153,082	88,950	2,597,114
2022	1,051,231	217,425	1,003,471	106,661	19,327	153,082	90,216	2,641,413
2023	1,068,514	220,755	1,020,080	107,626	19,553	153,082	91,587	2,681,197
2024	1,086,253	224,072	1,028,612	108,837	19,779	153,082	92,960	2,713,595
2025	1,102,269	227,391	1,036,870	109,740	20,004	153,082	94,222	2,743,578
2026	1,117,665	230,682	1,045,270	110,951	20,230	153,082	95,483	2,773,363
2027	1,133,112	233,923	1,052,967	112,038	20,456	153,082	96,706	2,802,284
2028	1,148,430	237,144	1,060,979	113,248	20,682	153,082	97,941	2,831,506
2029	1,162,999	240,275	1,068,609	114,519	20,907	153,082	99,128	2,859,519
2030	1,175,625	243,345	1,077,090	115,851	21,133	153,082	100,259	2,886,385
2031	1,186,555	246,328	1,085,940	116,937	21,359	153,082	101,312	2,911,513
2032	1,198,201	249,253	1,094,670	117,900	21,583	153,082	102,380	2,937,069
2033	1,209,653	252,122	1,103,748	118,617	21,809	153,082	103,441	2,962,472
2034	1,221,500	254,986	1,112,601	119,886	22,035	153,082	104,543	2,988,633
2035	1,233,214	257,741	1,121,593	120,664	22,261	153,082	105,608	3,014,163
2036	1,244,761	260,490	1,130,614	121,933	22,486	153,082	106,706	3,040,072
2037	1,256,386	263,198	1,139,697	122,895	22,712	153,082	107,786	3,065,756
2038	1,267,980	265,921	1,148,937	123,856	22,938	153,082	108,874	3,091,588
2039	1,279,386	268,586	1,158,331	124,755	23,164	153,082	109,953	3,117,257
2040	1,290,621	271,219	1,167,814	125,716	23,389	153,082	111,030	3,142,871
2041	1,302,267	273,860	1,177,310	126,553	23,615	153,082	112,118	3,168,805
2042	1,313,644	276,528	1,186,905	127,944	23,840	153,082	113,240	3,195,183
2043	1,325,449	279,134	1,196,706	128,904	24,066	153,082	114,355	3,221,696
2044	1,336,901	281,766	1,206,822	129,863	24,291	153,082	115,468	3,248,193
2045	1,348,385	284,377	1,216,863	130,823	24,518	153,082	116,582	3,274,630
2046	1,359,892	287,052	1,227,167	132,150	24,743	153,082	117,733	3,301,819
2047	1,371,873	289,689	1,237,723	133,478	24,969	153,082	118,910	3,329,724
2048	1,383,766	292,362	1,248,419	134,191	25,195	153,082	120,052	3,357,067
2049	1,395,644	295,052	1,259,359	135,456	25,421	153,082	121,240	3,385,254
2050	1,407,911	297,775	1,270,447	137,090	25,645	153,082	122,476	3,414,426

Projected

Central Power

Members Energy Requirements and Usage

Graph 2



Central Power

Number of Residential Consumers

Table 3

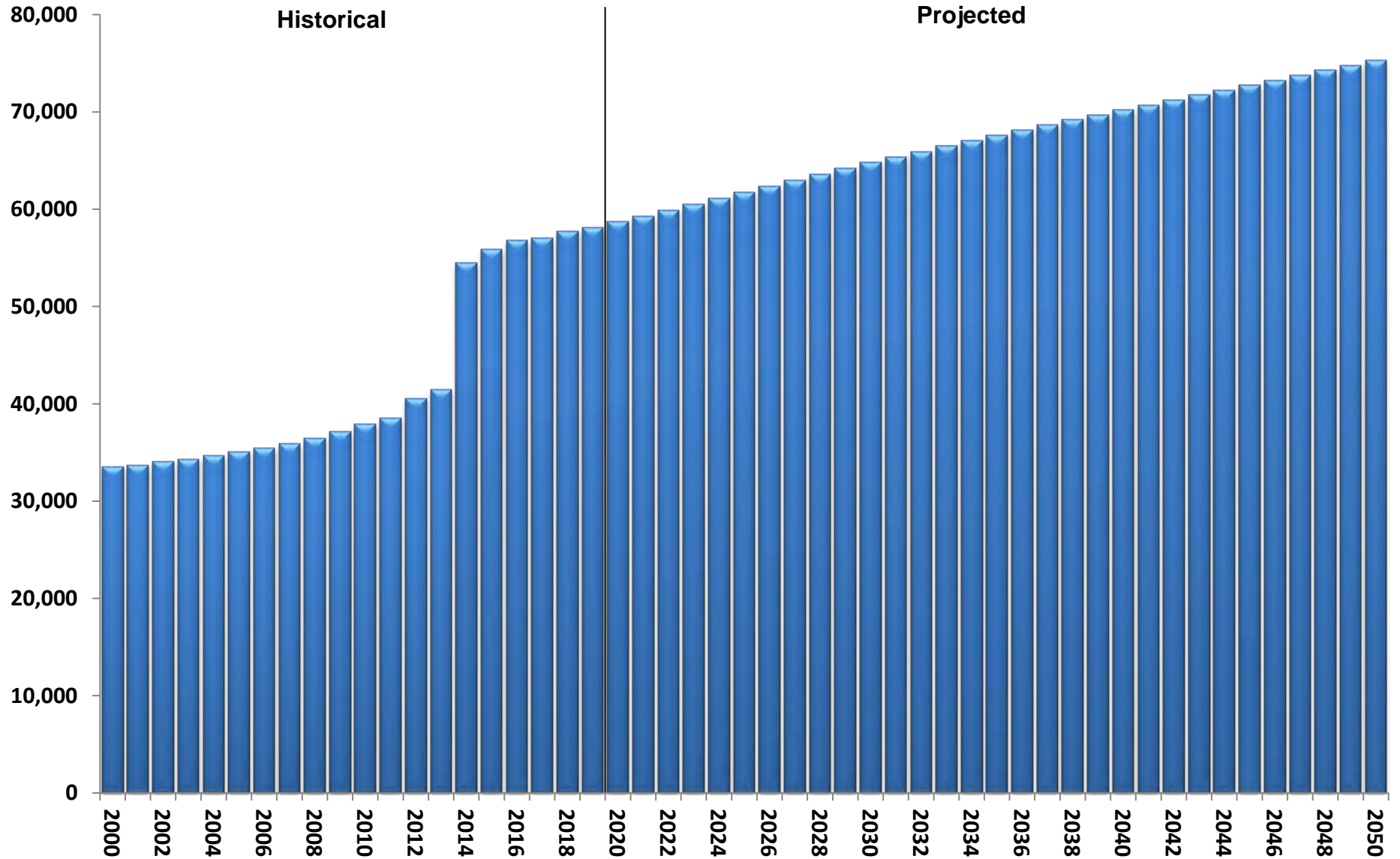
Year	<u>Capital</u>	Dakota <u>Valley</u>	<u>McLean</u>	North <u>Central</u>	Northern <u>Plains</u>	<u>Verendrye</u>	<u>Total</u>
2000	2,293	5,006	2,624	5,499	9,432	8,674	33,528
2001	2,388	4,991	2,625	5,500	9,427	8,745	33,676
2002	2,530	4,985	2,637	5,563	9,504	8,801	34,020
2003	2,663	5,005	2,661	5,620	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	19,140	5,535	3,572	6,034	10,144	14,272	58,697
2021	19,409	5,567	3,597	6,053	10,178	14,499	59,303
2022	19,692	5,599	3,621	6,072	10,212	14,685	59,881
2023	19,994	5,632	3,644	6,089	10,243	14,902	60,504
2024	20,309	5,664	3,667	6,105	10,272	15,125	61,142
2025	20,630	5,697	3,691	6,120	10,299	15,331	61,768
2026	20,954	5,729	3,714	6,134	10,324	15,524	62,379
2027	21,280	5,761	3,737	6,148	10,348	15,717	62,991
2028	21,607	5,793	3,762	6,159	10,370	15,910	63,601
2029	21,933	5,825	3,784	6,170	10,391	16,099	64,202
2030	22,258	5,857	3,806	6,179	10,411	16,281	64,792
2031	22,581	5,889	3,827	6,187	10,429	16,459	65,372
2032	22,901	5,921	3,849	6,193	10,446	16,635	65,945
2033	23,220	5,953	3,871	6,198	10,462	16,808	66,512
2034	23,535	5,985	3,893	6,204	10,476	16,976	67,069
2035	23,846	6,017	3,914	6,209	10,489	17,140	67,615
2036	24,154	6,049	3,936	6,214	10,502	17,300	68,155
2037	24,458	6,081	3,957	6,217	10,513	17,457	68,683
2038	24,759	6,113	3,978	6,219	10,524	17,610	69,203
2039	25,058	6,145	4,000	6,220	10,533	17,762	69,718
2040	25,354	6,177	4,021	6,221	10,542	17,910	70,225
2041	25,650	6,209	4,042	6,221	10,551	18,056	70,729
2042	25,946	6,241	4,063	6,222	10,559	18,200	71,231
2043	26,243	6,273	4,085	6,222	10,567	18,346	71,736
2044	26,541	6,305	4,107	6,223	10,575	18,488	72,239
2045	26,840	6,337	4,129	6,224	10,583	18,630	72,743
2046	27,142	6,369	4,151	6,224	10,590	18,772	73,248
2047	27,448	6,401	4,172	6,225	10,598	18,915	73,759
2048	27,757	6,433	4,193	6,226	10,605	19,060	74,274
2049	28,071	6,465	4,215	6,226	10,612	19,205	74,794
2050	28,391	6,497	4,236	6,226	10,620	19,353	75,323

Projected

Central Power

Graph 3

Number of Residential Consumers



Central Power

Number of Residential Consumers and Energy Usage

Table 4

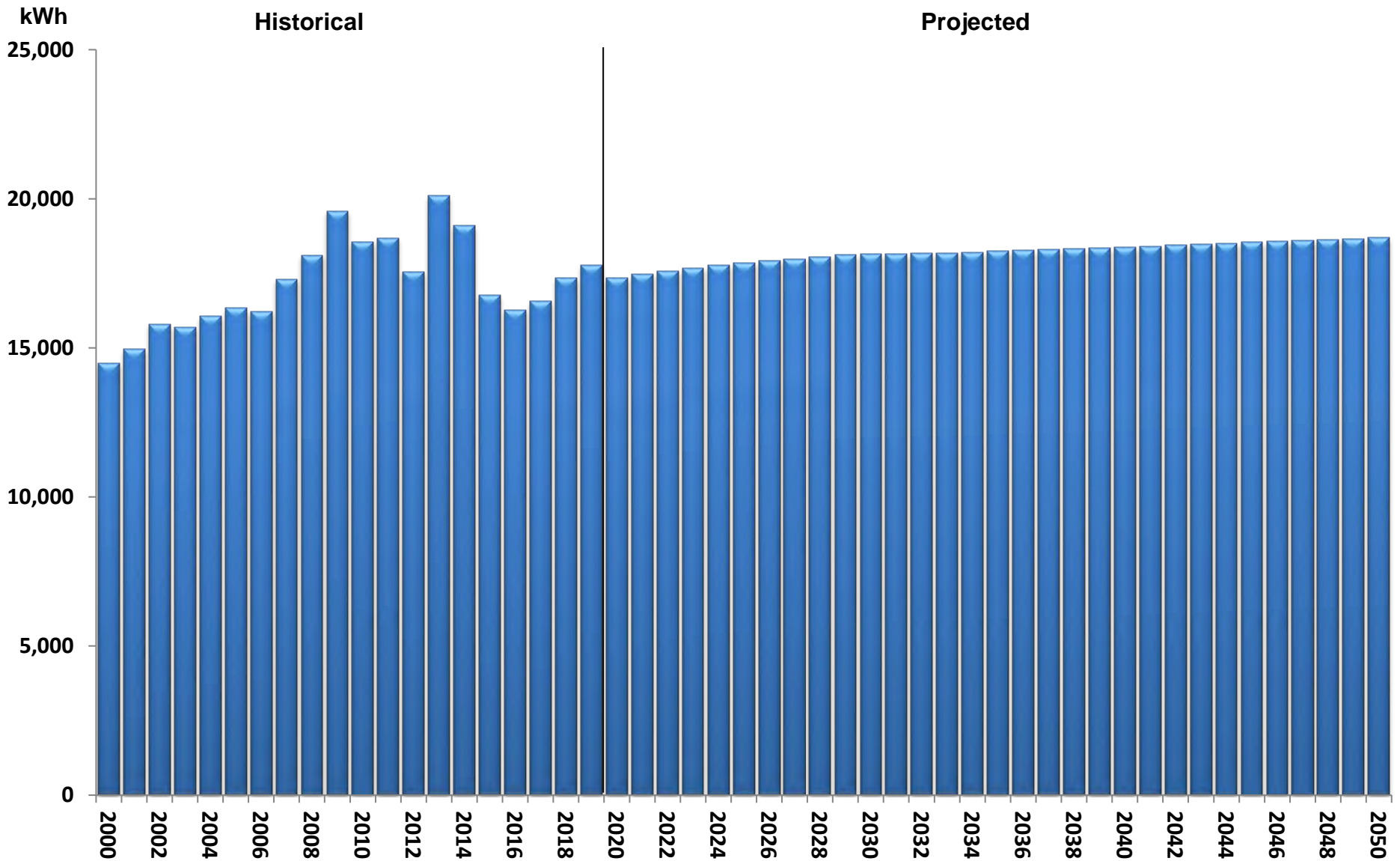
<u>Year</u>	<u>Residential Consumers</u>	<u>Residential Energy Sales (MWh)</u>	<u>Usage / Cons (kWh)</u>	<u>Percent Change</u>
2000	33,528	485,486	14,480	0.17%
2001	33,676	503,279	14,945	3.21%
2002	34,020	537,417	15,797	5.70%
2003	34,326	538,838	15,698	-0.63%
2004	34,694	557,249	16,062	2.32%
2005	35,085	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	58,697	1,018,149	17,346	-2.42%
2021	59,303	1,036,052	17,470	0.71%
2022	59,881	1,051,231	17,555	0.49%
2023	60,504	1,068,514	17,660	0.60%
2024	61,142	1,086,253	17,766	0.60%
2025	61,768	1,102,269	17,845	0.44%
2026	62,379	1,117,665	17,917	0.40%
2027	62,991	1,133,112	17,988	0.40%
2028	63,601	1,148,430	18,057	0.38%
2029	64,202	1,162,999	18,115	0.32%
2030	64,792	1,175,625	18,145	0.17%
2031	65,372	1,186,555	18,151	0.03%
2032	65,945	1,198,201	18,170	0.10%
2033	66,512	1,209,653	18,187	0.09%
2034	67,069	1,221,500	18,213	0.14%
2035	67,615	1,233,214	18,239	0.14%
2036	68,155	1,244,761	18,264	0.14%
2037	68,683	1,256,386	18,293	0.16%
2038	69,203	1,267,980	18,323	0.16%
2039	69,718	1,279,386	18,351	0.15%
2040	70,225	1,290,621	18,378	0.15%
2041	70,729	1,302,267	18,412	0.19%
2042	71,231	1,313,644	18,442	0.16%
2043	71,736	1,325,449	18,477	0.19%
2044	72,239	1,336,901	18,507	0.16%
2045	72,743	1,348,385	18,536	0.16%
2046	73,248	1,359,892	18,566	0.16%
2047	73,759	1,371,873	18,599	0.18%
2048	74,274	1,383,766	18,631	0.17%
2049	74,794	1,395,644	18,660	0.16%
2050	75,323	1,407,911	18,692	0.17%

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	72,900	106,337	24,947	59,695	94,016	121,190	479,085
20/21	73,785	107,364	26,697	59,943	94,842	125,227	487,858
21/22	74,875	108,154	27,035	60,375	95,582	129,317	495,337
22/23	76,117	109,078	27,413	60,807	96,420	133,843	503,679
23/24	77,439	109,980	27,804	61,322	97,263	136,256	510,065
24/25	78,704	110,810	28,142	61,646	97,955	138,413	515,672
25/26	79,950	111,656	28,498	62,047	98,704	140,494	521,349
26/27	81,172	112,405	28,846	62,415	99,415	142,650	526,903
27/28	82,423	113,309	29,206	62,801	100,084	144,722	532,545
28/29	83,677	114,141	29,543	63,194	100,685	146,727	537,968
29/30	84,710	114,830	29,837	63,468	101,222	148,703	542,769
30/31	85,735	115,515	30,124	63,653	101,825	150,388	547,239
31/32	86,839	116,221	30,397	63,847	102,454	152,098	551,856
32/33	87,958	116,951	30,691	64,012	103,050	153,823	556,485
33/34	89,082	117,685	30,999	64,286	103,668	155,603	561,323
34/35	90,189	118,414	31,282	64,480	104,305	157,392	566,062
35/36	91,309	119,097	31,580	64,839	104,939	159,174	570,938
36/37	92,440	119,848	31,893	65,087	105,537	160,983	575,788
37/38	93,538	120,587	32,212	65,357	106,211	162,794	580,699
38/39	94,652	121,293	32,530	65,617	106,861	164,644	585,596
39/40	95,794	122,067	32,852	65,884	107,454	166,476	590,528
40/41	96,918	122,825	33,179	66,119	108,160	168,328	595,530
41/42	98,060	123,516	33,518	66,494	108,849	170,194	600,631
42/43	99,221	124,272	33,852	66,766	109,557	172,078	605,746
43/44	100,374	125,033	34,180	67,024	110,277	173,964	610,852
44/45	101,547	125,777	34,506	67,303	110,926	175,882	615,941
45/46	102,703	126,517	34,852	67,650	111,653	177,815	621,190
46/47	103,889	127,300	35,197	67,991	112,418	179,784	626,579
47/48	105,103	128,051	35,527	68,200	113,175	181,780	631,836
48/49	106,343	128,849	35,869	68,533	113,874	183,798	637,267
49/50	107,578	129,600	36,210	68,953	114,692	185,875	642,908

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

Projected

Central Power

Summer Season Demand Sales to Members (kW)

Table 6

Summer Season	Capital *	Dakota Valley	McLean	North Central	Northern Plains	Verendrye	Total
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	52,532	92,685	19,932	37,897	68,581	84,752	356,379
2021	53,145	93,359	21,670	38,038	69,168	87,778	363,158
2022	53,917	93,960	21,908	38,304	69,700	92,264	370,053
2023	54,802	94,663	22,177	38,571	70,306	93,874	374,393
2024	55,746	95,351	22,456	38,893	70,918	95,415	378,780
2025	56,642	95,981	22,693	39,088	71,412	96,780	382,597
2026	57,526	96,624	22,945	39,334	71,951	98,100	386,481
2027	58,395	97,194	23,191	39,560	72,464	99,470	390,275
2028	59,286	97,883	23,447	39,799	72,946	100,788	394,149
2029	60,180	98,517	23,686	40,043	73,380	102,064	397,871
2030	60,901	99,038	23,891	40,203	73,756	103,304	401,093
2031	61,617	99,556	24,091	40,307	74,181	104,358	404,110
2032	62,393	100,092	24,281	40,418	74,628	105,429	407,241
2033	63,181	100,645	24,488	40,513	75,050	106,513	410,391
2034	63,974	101,203	24,704	40,678	75,491	107,633	413,684
2035	64,756	101,757	24,903	40,793	75,947	108,762	416,917
2036	65,549	102,276	25,113	41,014	76,400	109,888	420,240
2037	66,350	102,848	25,334	41,166	76,830	111,032	423,560
2038	67,129	103,411	25,560	41,332	77,315	112,179	426,924
2039	67,920	103,947	25,785	41,492	77,782	113,351	430,278
2040	68,733	104,538	26,014	41,658	78,210	114,515	433,668
2041	69,532	105,116	26,245	41,803	78,720	115,692	437,109
2042	70,345	105,642	26,486	42,037	79,218	116,878	440,605
2043	71,171	106,218	26,723	42,206	79,729	118,074	444,122
2044	71,992	106,798	26,955	42,366	80,250	119,272	447,633
2045	72,826	107,365	27,187	42,540	80,718	120,490	451,126
2046	73,648	107,929	27,432	42,757	81,244	121,717	454,727
2047	74,491	108,526	27,677	42,969	81,797	122,968	458,427
2048	75,355	109,098	27,911	43,098	82,344	124,235	462,040
2049	76,236	109,706	28,153	43,306	82,848	125,517	465,766
2050	77,114	110,278	28,394	43,569	83,439	126,836	469,631

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

Projected

Power Supply

CENTRAL POWER WHOLESALE PURCHASES

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

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

Table 10 summarizes Central Power's wholesale power requirements or purchases. The table indicates that Central Power's annual energy requirements are projected to increase at an average compound growth rate of .99 percent over the 2020 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

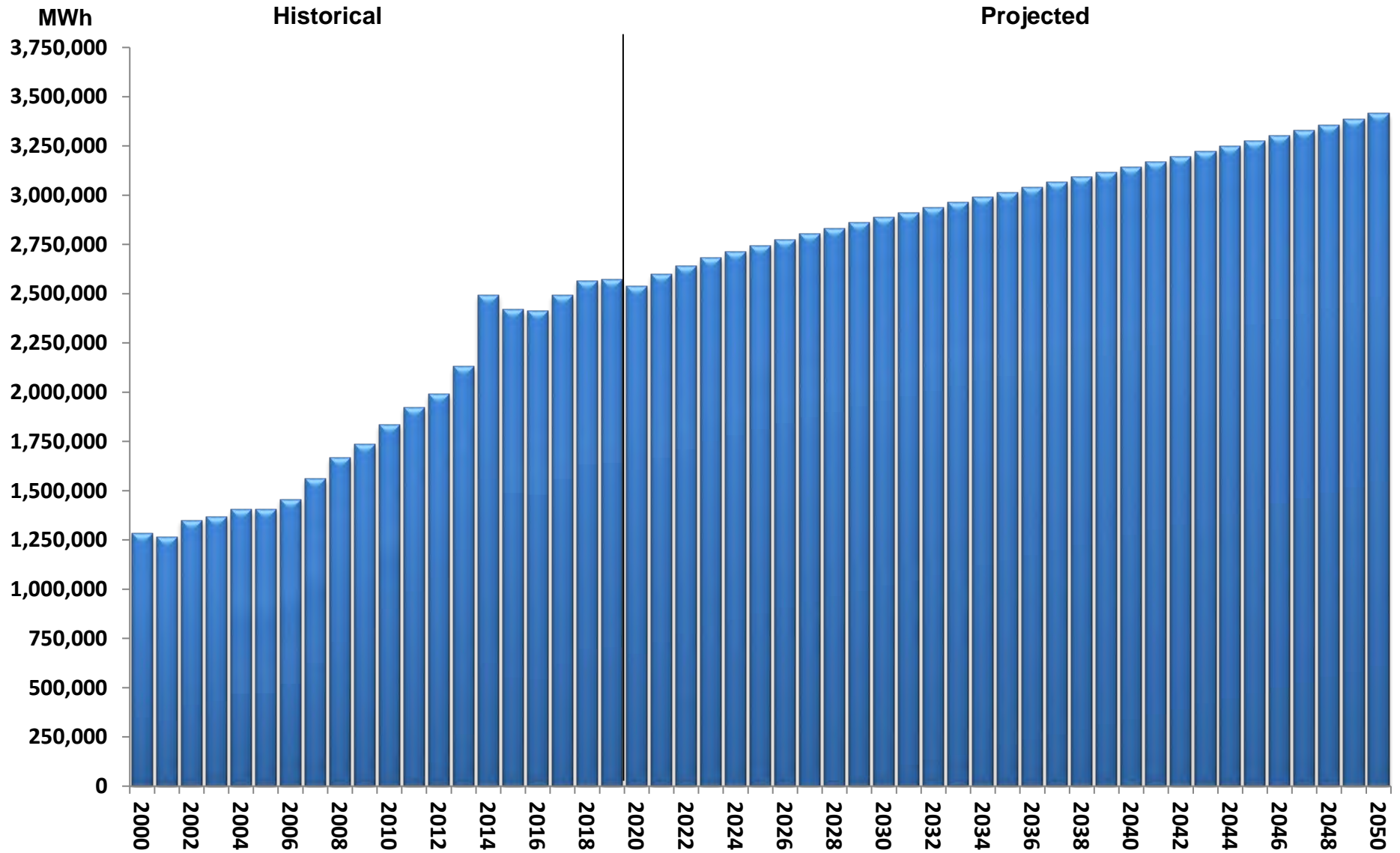
<u>Year</u>	<u>Sales</u>	<u>Losses</u>	<u>Percent Losses</u>	<u>Purchases</u>
2000	1,281,374	47,771	3.7%	1,329,145
2001	1,265,220	48,211	3.8%	1,313,431
2002	1,348,660	52,940	3.9%	1,401,600
2003	1,366,599	52,589	3.8%	1,419,188
2004	1,403,068	55,308	3.9%	1,458,376
2005	1,405,630	61,115	4.3%	1,466,745
2006	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	2,538,666	45,697	1.8%	2,584,363
2021	2,597,113	46,748	1.8%	2,643,861
2022	2,641,410	47,546	1.8%	2,688,956
2023	2,681,194	48,261	1.8%	2,729,455
2024	2,713,602	48,844	1.8%	2,762,446
2025	2,743,584	49,385	1.8%	2,792,969
2026	2,773,363	49,921	1.8%	2,823,284
2027	2,802,286	50,441	1.8%	2,852,727
2028	2,831,500	50,967	1.8%	2,882,467
2029	2,859,514	51,473	1.8%	2,910,987
2030	2,886,386	51,954	1.8%	2,938,340
2031	2,911,508	52,408	1.8%	2,963,916
2032	2,937,075	52,867	1.8%	2,989,942
2033	2,962,474	53,323	1.8%	3,015,797
2034	2,988,635	53,795	1.8%	3,042,430
2035	3,014,166	54,256	1.8%	3,068,422
2036	3,040,079	54,720	1.8%	3,094,799
2037	3,065,754	55,185	1.8%	3,120,939
2038	3,091,592	55,650	1.8%	3,147,242
2039	3,117,259	56,111	1.8%	3,173,370
2040	3,142,874	56,571	1.8%	3,199,445
2041	3,168,805	57,037	1.8%	3,225,842
2042	3,195,182	57,513	1.8%	3,252,695
2043	3,221,695	57,991	1.8%	3,279,686
2044	3,248,194	58,468	1.8%	3,306,662
2045	3,274,628	58,943	1.8%	3,333,571
2046	3,301,821	59,432	1.8%	3,361,253
2047	3,329,725	59,936	1.8%	3,389,661
2048	3,357,070	60,427	1.8%	3,417,497
2049	3,385,253	60,935	1.8%	3,446,188
2050	3,414,424	61,459	1.8%	3,475,883
				Projected

*Energy Loss Factor for Projected Period Assumed to be 2.1%

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	8,715	1.9%	472,321
18/19	483,284	8,702	1.8%	491,986
19/20	479,085	10,061	2.1%	489,146
20/21	487,858	10,245	2.1%	498,103
21/22	495,337	10,402	2.1%	505,739
22/23	503,679	10,577	2.1%	514,256
23/24	510,065	10,712	2.1%	520,777
24/25	515,672	10,829	2.1%	526,501
25/26	521,349	10,948	2.1%	532,297
26/27	526,903	11,065	2.1%	537,968
27/28	532,545	11,183	2.1%	543,728
28/29	537,968	11,297	2.1%	549,265
29/30	542,769	11,398	2.1%	554,167
30/31	547,239	11,492	2.1%	558,731
31/32	551,856	11,589	2.1%	563,445
32/33	556,485	11,686	2.1%	568,171
33/34	561,323	11,788	2.1%	573,111
34/35	566,062	11,887	2.1%	577,949
35/36	570,938	11,990	2.1%	582,928
36/37	575,788	12,092	2.1%	587,880
37/38	580,699	12,195	2.1%	592,894
38/39	585,596	12,298	2.1%	597,894
39/40	590,528	12,401	2.1%	602,929
40/41	595,530	12,506	2.1%	608,036
41/42	600,631	12,614	2.1%	613,245
42/43	605,746	12,721	2.1%	618,467
43/44	610,852	12,828	2.1%	623,680
44/45	615,941	12,935	2.1%	628,876
45/46	621,190	13,045	2.1%	634,235
46/47	626,579	13,158	2.1%	639,737
47/48	631,836	13,269	2.1%	645,105
48/49	637,267	13,382	2.1%	650,649
49/50	642,908	13,501	2.1%	656,409

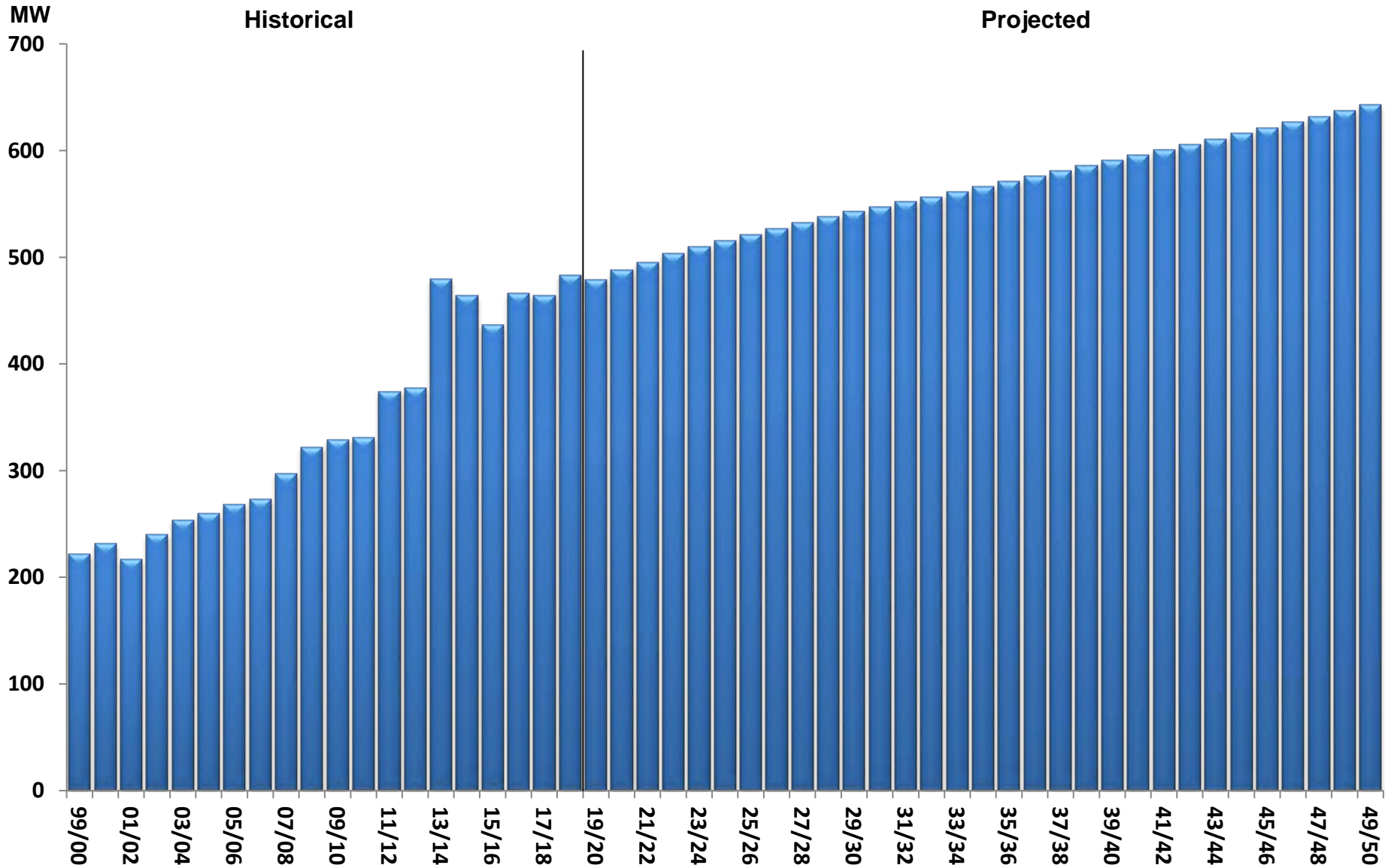
*Winter Season Demand Loss Factor for Projected Period Assumed to be 2.2%

Projected

Central Power

Graph 8

Winter Season Demand Sales Requirements



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	6,972	2.0%	358,148
2019	376,485	6,326	1.7%	382,811
2020	356,379	7,484	2.1%	363,863
2021	363,158	7,627	2.1%	370,785
2022	370,053	7,771	2.1%	377,824
2023	374,393	7,862	2.1%	382,255
2024	378,780	7,954	2.1%	386,734
2025	382,597	8,035	2.1%	390,632
2026	386,481	8,116	2.1%	394,597
2027	390,275	8,196	2.1%	398,471
2028	394,149	8,278	2.1%	402,427
2029	397,871	8,356	2.1%	406,227
2030	401,093	8,423	2.1%	409,516
2031	404,110	8,486	2.1%	412,596
2032	407,241	8,552	2.1%	415,793
2033	410,391	8,618	2.1%	419,009
2034	413,684	8,688	2.1%	422,372
2035	416,917	8,756	2.1%	425,673
2036	420,240	8,825	2.1%	429,065
2037	423,560	8,895	2.1%	432,455
2038	426,924	8,966	2.1%	435,890
2039	430,278	9,035	2.1%	439,313
2040	433,668	9,107	2.1%	442,775
2041	437,109	9,179	2.1%	446,288
2042	440,605	9,253	2.1%	449,858
2043	444,122	9,326	2.1%	453,448
2044	447,633	9,400	2.1%	457,033
2045	451,126	9,473	2.1%	460,599
2046	454,727	9,549	2.1%	464,276
2047	458,427	9,627	2.1%	468,054
2048	462,040	9,703	2.1%	471,743
2049	465,766	9,781	2.1%	475,547
2050	469,631	9,862	2.1%	479,493

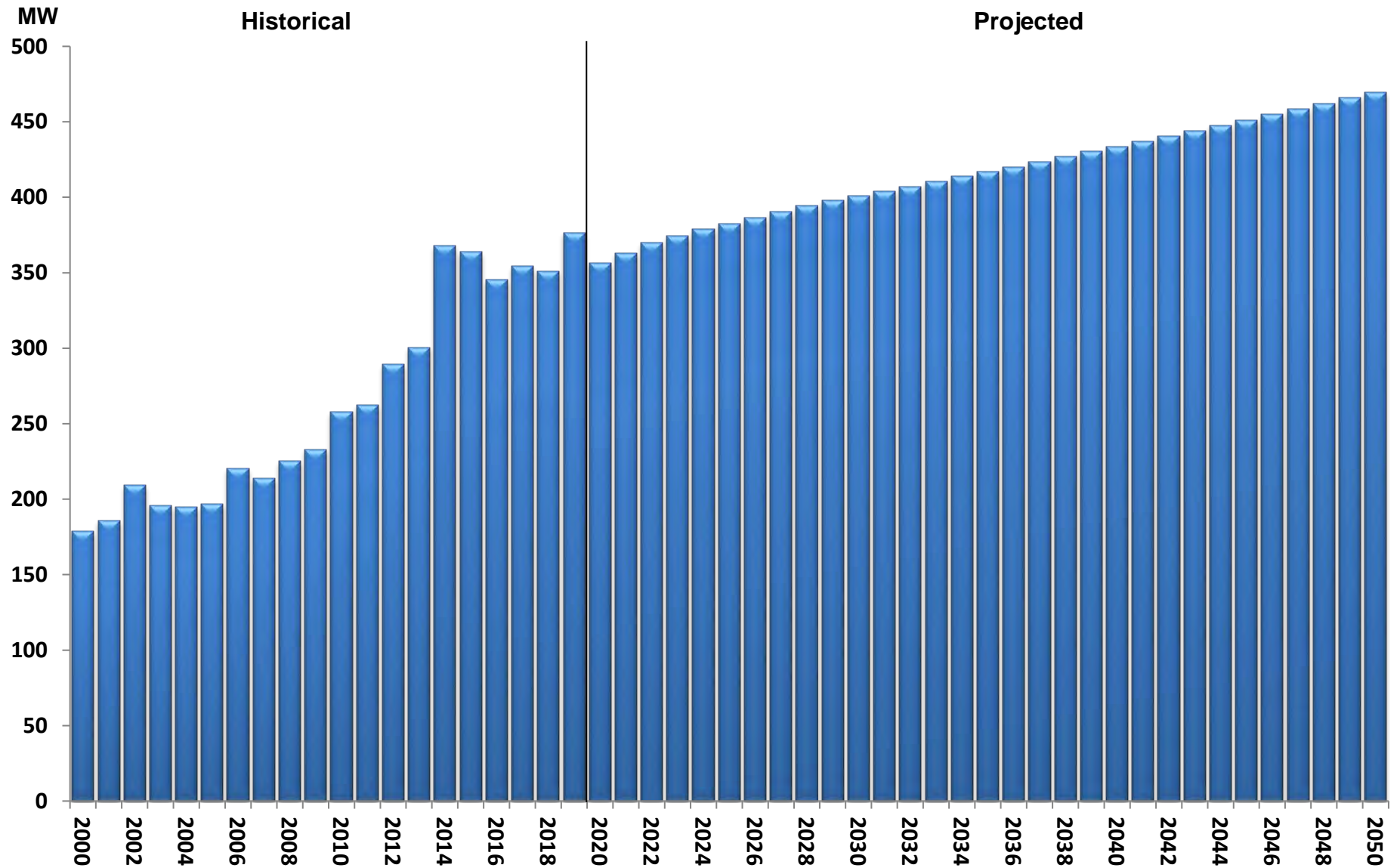
*Summer Season Demand Loss Factor for Projected Period Assumed to be 1.9%

Projected

Central Power

Graph 9

Summer Season Demand Sales Requirements



Central Power

Wholesale Power Requirements

Table 10

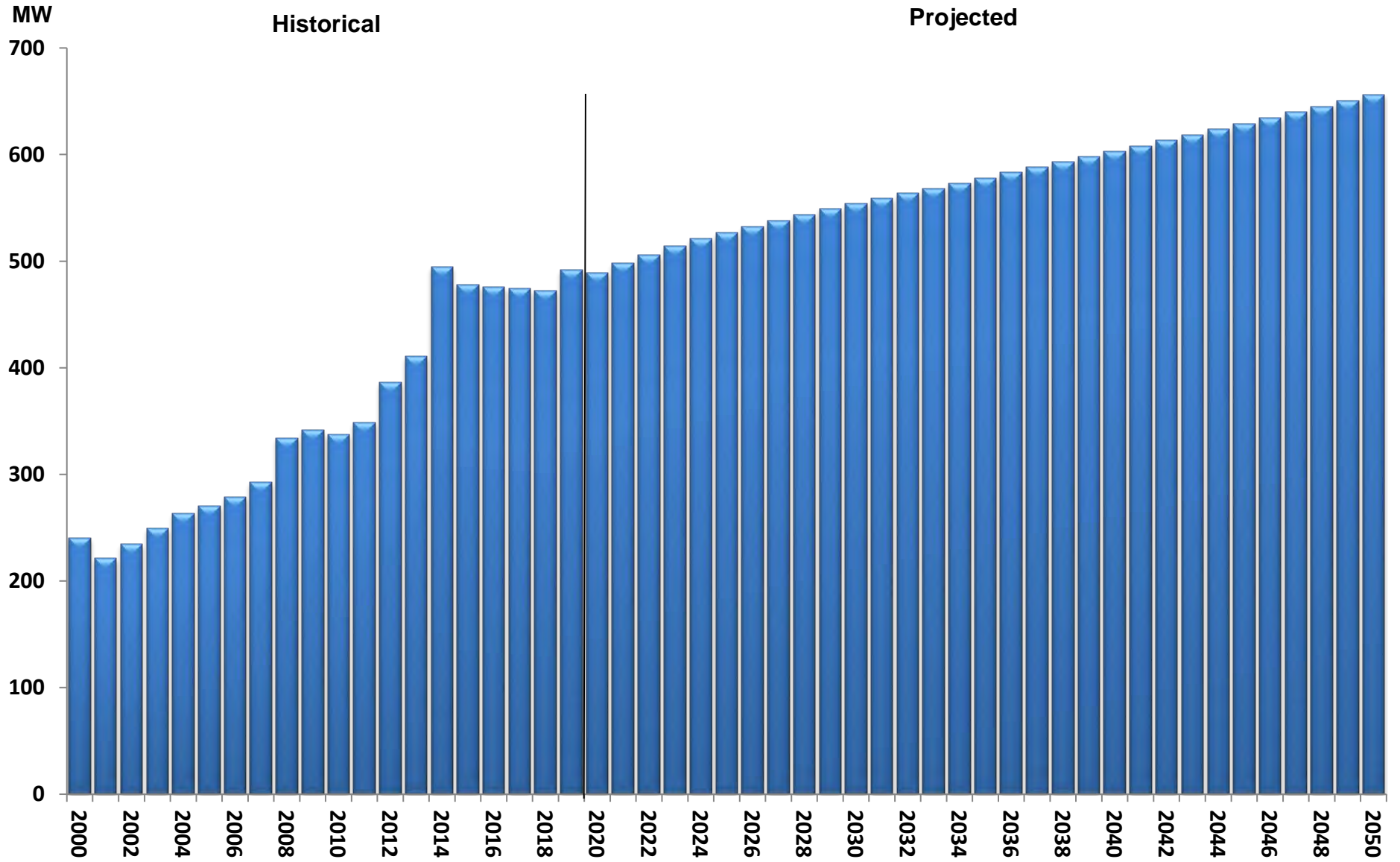
<u>Year</u>	<u>Annual Peak Demand (kW)</u>	<u>Change (Percent)</u>	<u>Annual Energy (MWh)</u>	<u>Change (Percent)</u>	<u>Annual Load Factor (Percent)</u>
2000	239,870	3.15%	1,329,145	3.74%	63.25%
2001	221,097	-7.83%	1,313,431	-1.18%	67.81%
2002	234,768	6.18%	1,401,600	6.71%	68.15%
2003	249,173	6.14%	1,419,188	1.25%	65.02%
2004	263,473	5.74%	1,458,376	2.76%	63.19%
2005	269,934	2.45%	1,466,745	0.57%	62.03%
2006	278,815	3.29%	1,511,824	3.07%	61.90%
2007	292,685	4.97%	1,620,416	7.18%	63.20%
2008	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	472,321	-0.44%	2,613,005	2.93%	63.15%
2019	491,986	4.16%	2,618,378	0.21%	60.75%
2020	489,146	-0.58%	2,584,363	-1.30%	60.31%
2021	498,103	1.83%	2,643,861	2.30%	60.59%
2022	505,739	1.53%	2,688,956	1.71%	60.70%
2023	514,256	1.68%	2,729,455	1.51%	60.59%
2024	520,777	1.27%	2,762,446	1.21%	60.55%
2025	526,501	1.10%	2,792,969	1.10%	60.56%
2026	532,297	1.10%	2,823,284	1.09%	60.55%
2027	537,968	1.07%	2,852,727	1.04%	60.53%
2028	543,728	1.07%	2,882,467	1.04%	60.52%
2029	549,265	1.02%	2,910,987	0.99%	60.50%
2030	554,167	0.89%	2,938,340	0.94%	60.53%
2031	558,731	0.82%	2,963,916	0.87%	60.56%
2032	563,445	0.84%	2,989,942	0.88%	60.58%
2033	568,171	0.84%	3,015,797	0.86%	60.59%
2034	573,111	0.87%	3,042,430	0.88%	60.60%
2035	577,949	0.84%	3,068,422	0.85%	60.61%
2036	582,928	0.86%	3,094,799	0.86%	60.61%
2037	587,880	0.85%	3,120,939	0.84%	60.60%
2038	592,894	0.85%	3,147,242	0.84%	60.60%
2039	597,894	0.84%	3,173,370	0.83%	60.59%
2040	602,929	0.84%	3,199,445	0.82%	60.58%
2041	608,036	0.85%	3,225,842	0.83%	60.56%
2042	613,245	0.86%	3,252,695	0.83%	60.55%
2043	618,467	0.85%	3,279,686	0.83%	60.54%
2044	623,680	0.84%	3,306,662	0.82%	60.52%
2045	628,876	0.83%	3,333,571	0.81%	60.51%
2046	634,235	0.85%	3,361,253	0.83%	60.50%
2047	639,737	0.87%	3,389,661	0.85%	60.49%
2048	645,105	0.84%	3,417,497	0.82%	60.47%
2049	650,649	0.86%	3,446,188	0.84%	60.46%
2050	656,409	0.89%	3,475,883	0.86%	60.45%

Projected

Central Power

Graph 10a

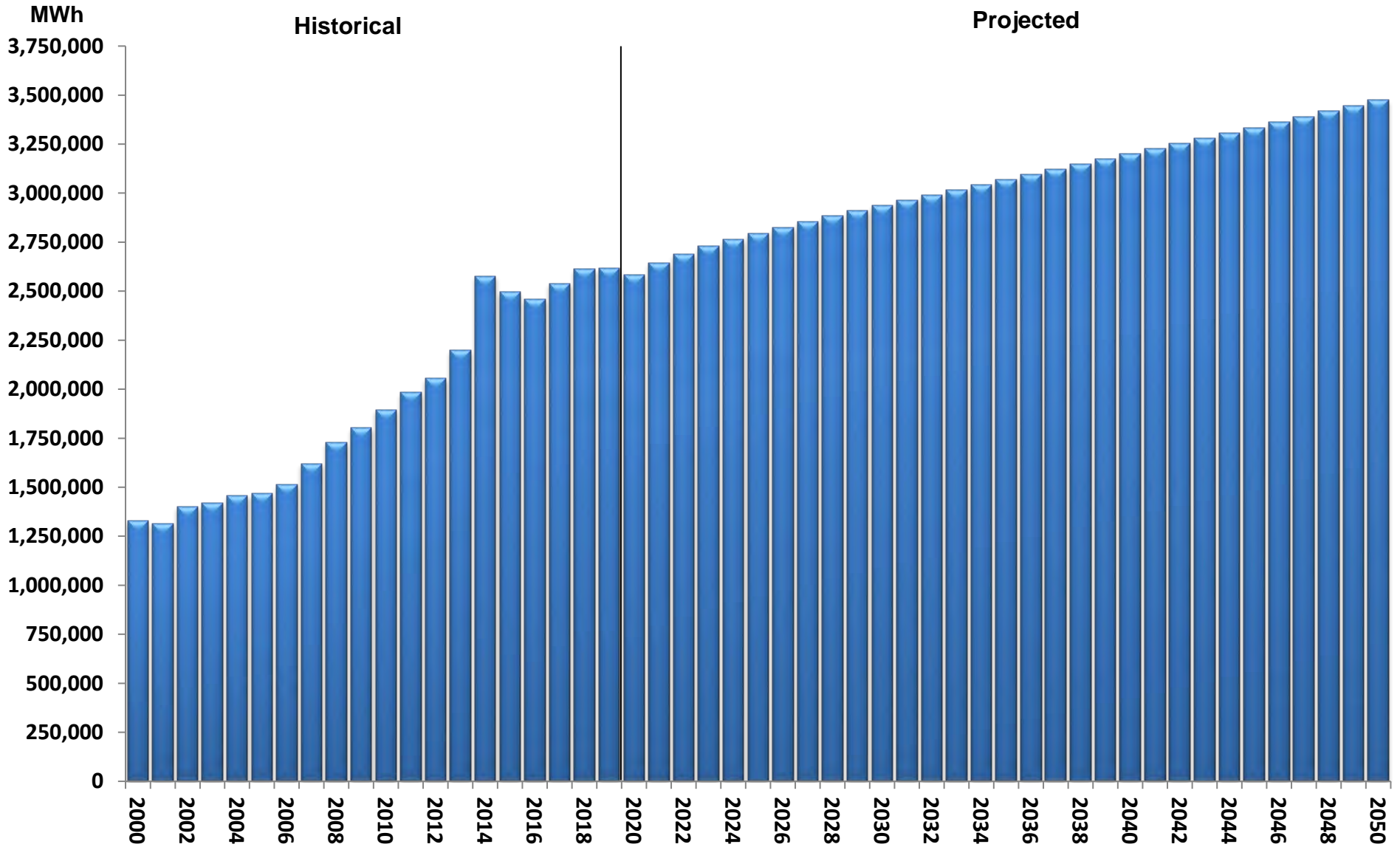
Annual Peak Demand Sales Purchases



Central Power

Graph 10b

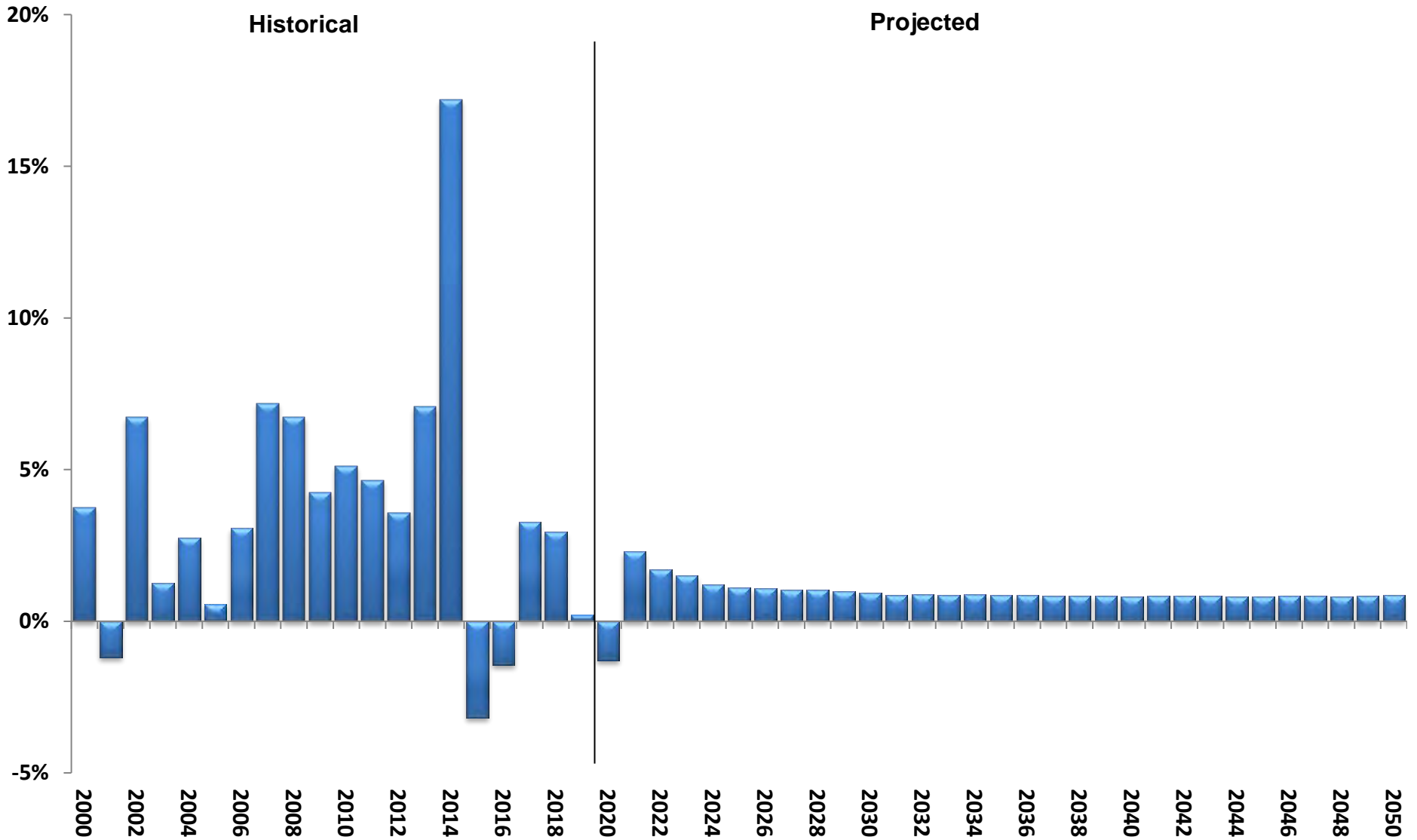
Annual Energy Purchases



Central Power

Graph 10c

Percent Change In Annual Energy Purchases



Central Power

Purchase Summary

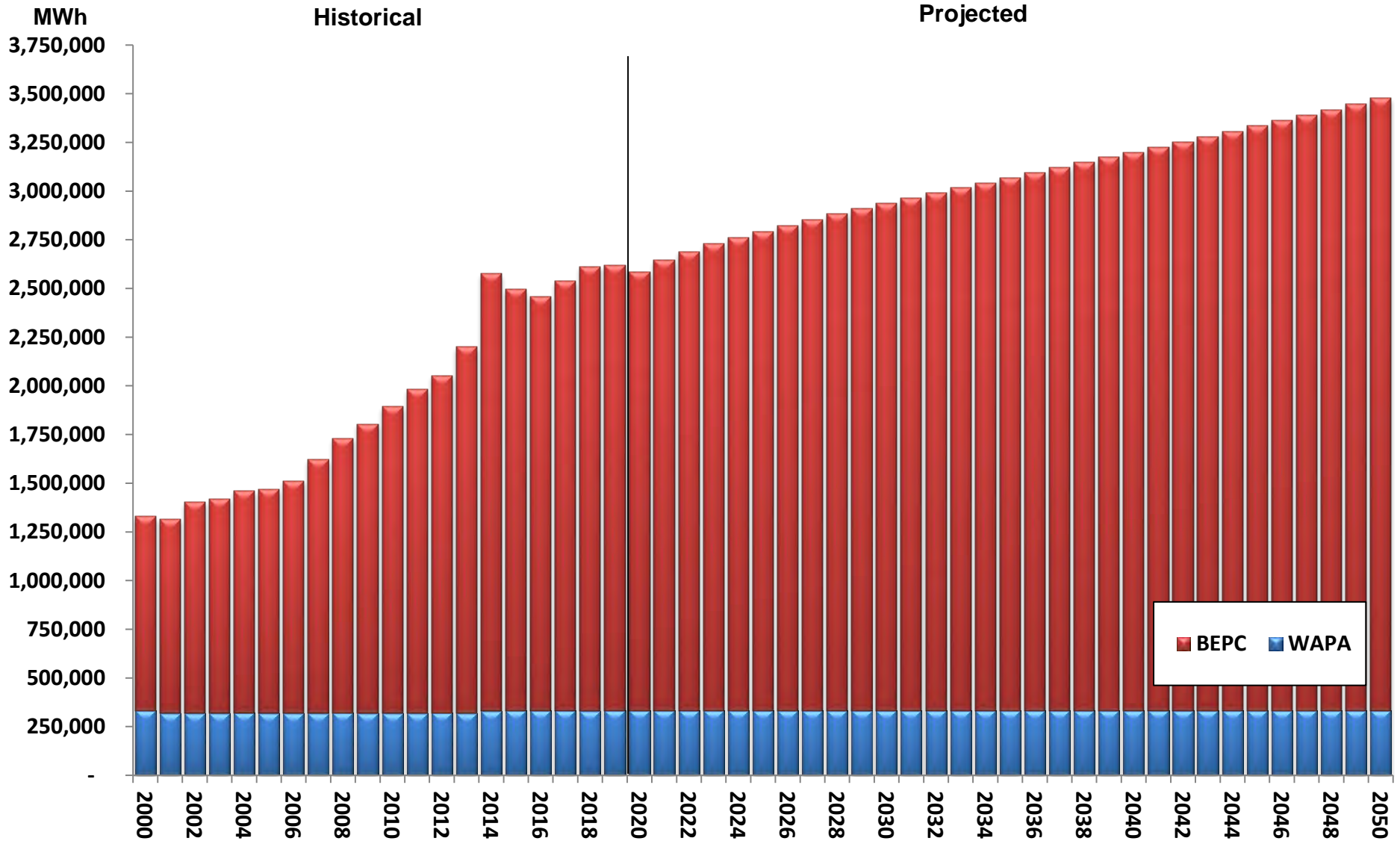
Table 11

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	3.74%	63.25%
2001	60,865	160,232	221,097	-7.83%	318,372	995,059	1,313,431	-1.18%	67.81%
2002	60,873	173,895	234,768	6.18%	318,525	1,083,075	1,401,600	6.71%	68.15%
2003	59,654	189,519	249,173	6.14%	318,945	1,100,243	1,419,188	1.25%	65.02%
2004	59,655	203,818	263,473	5.74%	320,365	1,138,011	1,458,376	2.76%	63.19%
2005	59,708	210,226	269,934	2.45%	318,619	1,148,126	1,466,745	0.57%	62.03%
2006	60,798	218,017	278,815	3.29%	318,361	1,193,463	1,511,824	3.07%	61.90%
2007	57,584	235,101	292,685	4.97%	318,953	1,301,463	1,620,416	7.18%	63.20%
2008	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	61,922	410,399	472,321	-0.44%	330,029	2,282,976	2,613,005	2.93%	63.15%
2019	61,350	430,636	491,986	4.16%	331,285	2,287,093	2,618,378	0.21%	60.75%
2020	59,385	429,761	489,146	-0.58%	332,105	2,252,258	2,584,363	-1.30%	60.31%
2021	59,385	438,718	498,103	1.83%	332,105	2,311,756	2,643,861	2.30%	60.59%
2022	59,385	446,354	505,739	1.53%	332,105	2,356,851	2,688,956	1.71%	60.70%
2023	59,385	454,871	514,256	1.68%	332,105	2,397,350	2,729,455	1.51%	60.59%
2024	59,385	461,392	520,777	1.27%	332,105	2,430,341	2,762,446	1.21%	60.55%
2025	59,385	467,116	526,501	1.10%	332,105	2,460,864	2,792,969	1.10%	60.56%
2026	59,385	472,912	532,297	1.10%	332,105	2,491,179	2,823,284	1.09%	60.55%
2027	59,385	478,583	537,968	1.07%	332,105	2,520,622	2,852,727	1.04%	60.53%
2028	59,385	484,343	543,728	1.07%	332,105	2,550,362	2,882,467	1.04%	60.52%
2029	59,385	489,880	549,265	1.02%	332,105	2,578,882	2,910,987	0.99%	60.50%
2030	59,385	494,782	554,167	0.89%	332,105	2,606,235	2,938,340	0.94%	60.53%
2031	59,385	499,346	558,731	0.82%	332,105	2,631,811	2,963,916	0.87%	60.56%
2032	59,385	504,060	563,445	0.84%	332,105	2,657,837	2,989,942	0.88%	60.58%
2033	59,385	508,786	568,171	0.84%	332,105	2,683,692	3,015,797	0.86%	60.59%
2034	59,385	513,726	573,111	0.87%	332,105	2,710,325	3,042,430	0.88%	60.60%
2035	59,385	518,564	577,949	0.84%	332,105	2,736,317	3,068,422	0.85%	60.61%
2036	59,385	523,543	582,928	0.86%	332,105	2,762,694	3,094,799	0.86%	60.61%
2037	59,385	528,495	587,880	0.85%	332,105	2,788,834	3,120,939	0.84%	60.60%
2038	59,385	533,509	592,894	0.85%	332,105	2,815,137	3,147,242	0.84%	60.60%
2039	59,385	538,509	597,894	0.84%	332,105	2,841,265	3,173,370	0.83%	60.59%
2040	59,385	543,544	602,929	0.84%	332,105	2,867,340	3,199,445	0.82%	60.58%
2041	59,385	548,651	608,036	0.85%	332,105	2,893,737	3,225,842	0.83%	60.56%
2042	59,385	553,860	613,245	0.86%	332,105	2,920,590	3,252,695	0.83%	60.55%
2043	59,385	559,082	618,467	0.85%	332,105	2,947,581	3,279,686	0.83%	60.54%
2044	59,385	564,295	623,680	0.84%	332,105	2,974,557	3,306,662	0.82%	60.52%
2045	59,385	569,491	628,876	0.83%	332,105	3,001,466	3,333,571	0.81%	60.51%
2046	59,385	574,850	634,235	0.85%	332,105	3,029,148	3,361,253	0.83%	60.50%
2047	59,385	580,352	639,737	0.87%	332,105	3,057,556	3,389,661	0.85%	60.49%
2048	59,385	585,720	645,105	0.84%	332,105	3,085,392	3,417,497	0.82%	60.47%
2049	59,385	591,264	650,649	0.86%	332,105	3,114,083	3,446,188	0.84%	60.46%
2050	59,385	597,024	656,409	0.89%	332,105	3,143,778	3,475,883	0.86%	60.45%

Projected

Central Power Annual Energy Purchases

Graph 11



Central Power

Seasonal Demand Purchase Summary

Table 12

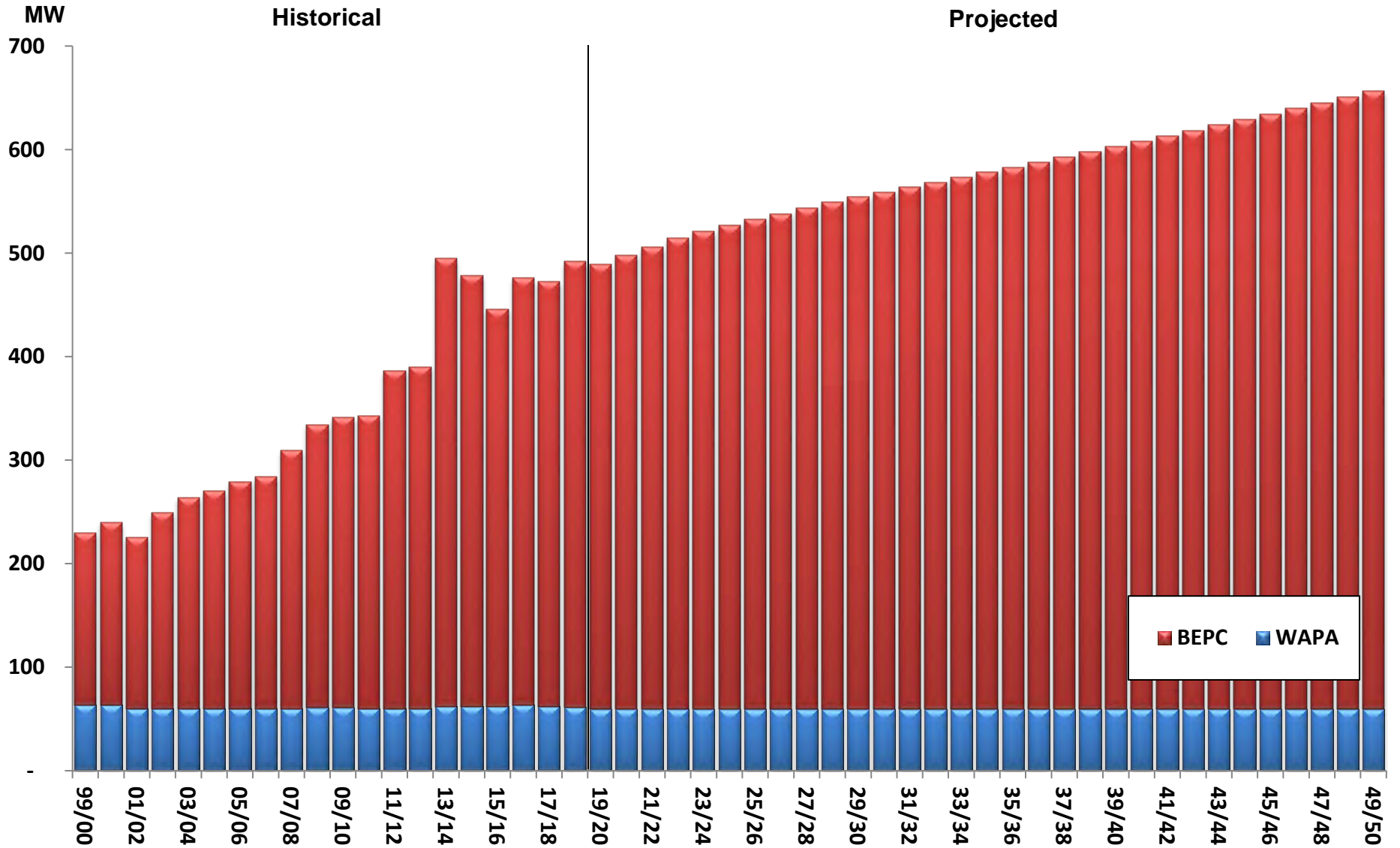
Summer Season	Purchases At Time Of Summer Peak (kW)				Winter Season	Purchases At Time Of Winter Peak (kW)			
	WAPA	BEPC	Total	Change		WAPA	BEPC	Total	Change
2000	41,633	143,223	184,856	1.05%	99/00	63,402	166,362	229,764	-3.32%
2001	40,680	152,285	192,965	4.39%	00/01	63,375	176,495	239,870	4.40%
2002	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	41,747	316,401	358,148	-1.03%	17/18	61,922	410,399	472,321	-0.76%
2019	41,417	341,394	382,811	6.89%	18/19	61,350	430,636	491,986	4.16%
2020	41,959	321,904	363,863	-4.95%	19/20	59,385	429,761	489,146	-0.58%
2021	41,959	328,826	370,785	1.90%	20/21	59,385	438,718	498,103	1.83%
2022	41,959	335,865	377,824	1.90%	21/22	59,385	446,354	505,739	1.53%
2023	41,959	340,296	382,255	1.17%	22/23	59,385	454,871	514,256	1.68%
2024	41,959	344,775	386,734	1.17%	23/24	59,385	461,392	520,777	1.27%
2025	41,959	348,673	390,632	1.01%	24/25	59,385	467,116	526,501	1.10%
2026	41,959	352,638	394,597	1.02%	25/26	59,385	472,912	532,297	1.10%
2027	41,959	356,512	398,471	0.98%	26/27	59,385	478,583	537,968	1.07%
2028	41,959	360,468	402,427	0.99%	27/28	59,385	484,343	543,728	1.07%
2029	41,959	364,268	406,227	0.94%	28/29	59,385	489,880	549,265	1.02%
2030	41,959	367,557	409,516	0.81%	29/30	59,385	494,782	554,167	0.89%
2031	41,959	370,637	412,596	0.75%	30/31	59,385	499,346	558,731	0.82%
2032	41,959	373,834	415,793	0.77%	31/32	59,385	504,060	563,445	0.84%
2033	41,959	377,050	419,009	0.77%	32/33	59,385	508,786	568,171	0.84%
2034	41,959	380,413	422,372	0.80%	33/34	59,385	513,726	573,111	0.87%
2035	41,959	383,714	425,673	0.78%	34/35	59,385	518,564	577,949	0.84%
2036	41,959	387,106	429,065	0.80%	35/36	59,385	523,543	582,928	0.86%
2037	41,959	390,496	432,455	0.79%	36/37	59,385	528,495	587,880	0.85%
2038	41,959	393,931	435,890	0.79%	37/38	59,385	533,509	592,894	0.85%
2039	41,959	397,354	439,313	0.79%	38/39	59,385	538,509	597,894	0.84%
2040	41,959	400,816	442,775	0.79%	39/40	59,385	543,544	602,929	0.84%
2041	41,959	404,329	446,288	0.79%	40/41	59,385	548,651	608,036	0.85%
2042	41,959	407,899	449,858	0.80%	41/42	59,385	553,860	613,245	0.86%
2043	41,959	411,489	453,448	0.80%	42/43	59,385	559,082	618,467	0.85%
2044	41,959	415,074	457,033	0.79%	43/44	59,385	564,295	623,680	0.84%
2045	41,959	418,640	460,599	0.78%	44/45	59,385	569,491	628,876	0.83%
2046	41,959	422,317	464,276	0.80%	45/46	59,385	574,850	634,235	0.85%
2047	41,959	426,095	468,054	0.81%	46/47	59,385	580,352	639,737	0.87%
2048	41,959	429,784	471,743	0.79%	47/48	59,385	585,720	645,105	0.84%
2049	41,959	433,588	475,547	0.81%	48/49	59,385	591,264	650,649	0.86%
2050	41,959	437,534	479,493	0.83%	49/50	59,385	597,024	656,409	0.89%

Projected

Central Power

Graph 12a

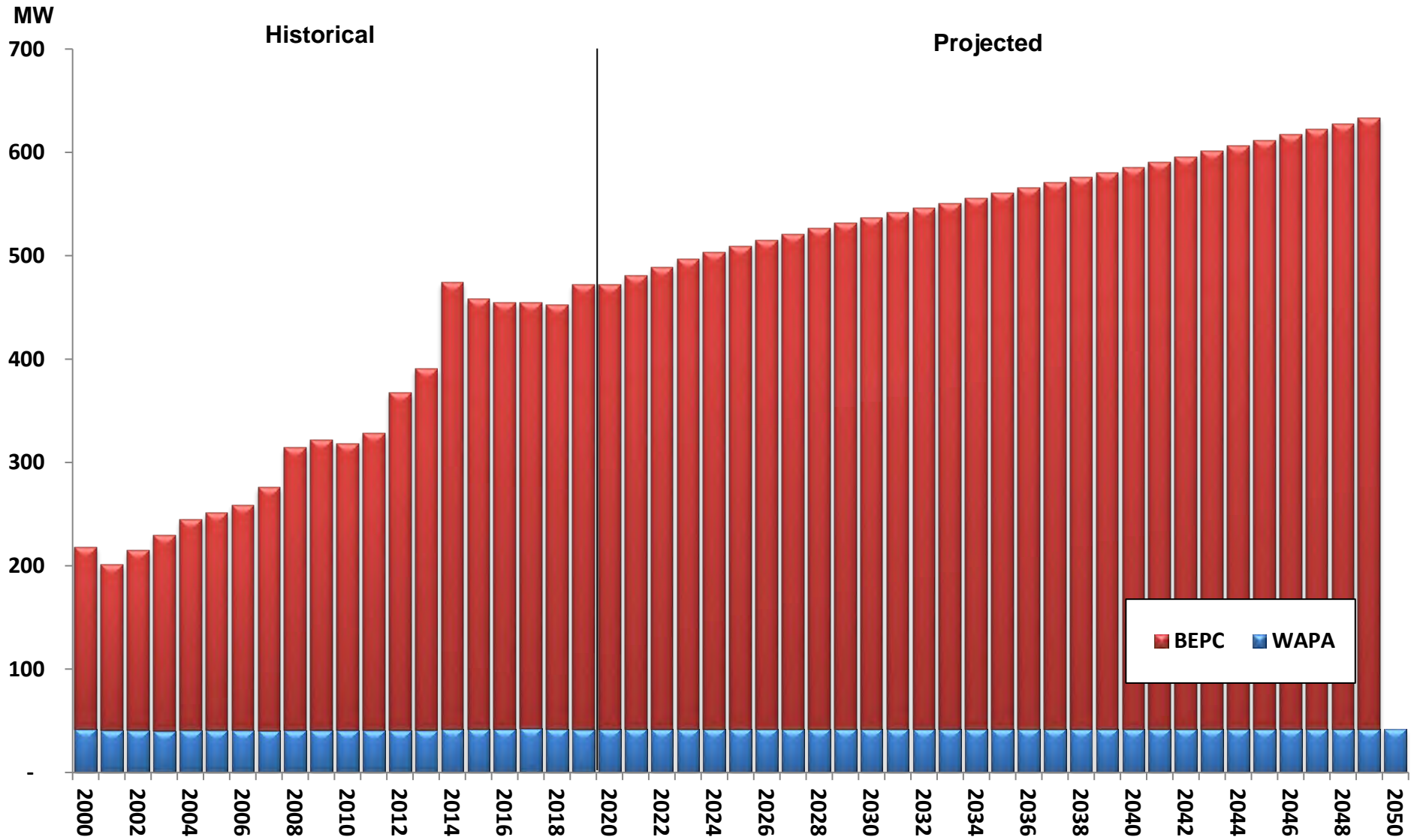
Winter Season Demand Purchases



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

2021 Load Forecast

Central Power Members

Central Power

Total Demand Requirements (kW)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
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	358,979	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	479,085	426,010	403,869	352,121	277,262	296,646	330,818	339,430	311,487	356,379	413,526	464,484	4,451,118
2021	487,858	451,286	412,618	360,960	286,938	306,086	336,982	345,676	317,198	363,158	421,205	473,077	4,563,043
2022	495,337	458,364	419,003	366,600	291,627	312,082	343,184	352,094	323,152	370,053	428,885	481,556	4,641,939
2023	503,679	466,275	426,145	372,938	296,919	316,713	348,309	357,452	328,009	374,393	434,084	487,618	4,712,535
2024	510,065	458,137	431,332	377,336	300,261	320,395	352,488	361,866	331,933	378,780	439,328	493,725	4,755,647
2025	515,672	477,442	435,846	381,129	303,162	323,641	356,224	365,795	335,375	382,597	443,913	499,085	4,819,881
2026	521,349	482,721	440,432	384,999	306,114	326,921	359,980	369,748	338,856	386,481	448,571	504,514	4,870,686
2027	526,903	487,897	444,925	388,789	309,004	330,136	363,666	373,636	342,285	390,275	453,112	509,825	4,920,452
2028	532,545	478,338	449,486	392,653	311,964	333,424	367,415	377,575	345,761	394,149	457,751	515,218	4,956,278
2029	537,968	498,200	453,870	396,371	314,818	336,604	371,044	381,389	349,128	397,871	462,201	520,403	5,019,866
2030	542,769	502,646	457,709	399,555	317,242	339,335	374,224	384,733	352,016	401,093	466,096	524,994	5,062,413
2031	547,239	506,788	461,282	402,525	319,513	341,901	377,218	387,871	354,726	404,110	469,743	529,267	5,102,182
2032	551,856	495,643	464,980	405,616	321,884	344,578	380,333	391,131	357,558	407,241	473,517	533,679	5,128,016
2033	556,485	515,376	468,693	408,726	324,276	347,280	383,472	394,417	360,413	410,391	477,307	538,103	5,184,939
2034	561,323	519,871	472,582	411,992	326,778	350,086	386,717	397,819	363,384	413,684	481,266	542,729	5,228,232
2035	566,062	524,282	476,395	415,196	329,235	352,847	389,906	401,165	366,308	416,917	485,150	547,256	5,270,718
2036	570,938	512,769	480,325	418,506	331,763	355,670	393,157	404,583	369,309	420,240	489,136	551,920	5,298,316
2037	575,788	533,328	484,236	421,804	334,296	358,506	396,420	408,008	372,312	423,560	493,113	556,555	5,357,928
2038	580,699	537,904	488,204	425,151	336,854	361,359	399,694	411,450	375,339	426,924	497,145	561,250	5,401,973
2039	585,596	542,470	492,162	428,490	339,411	364,212	402,974	414,900	378,374	430,278	501,158	565,929	5,445,953
2040	590,528	530,399	496,149	431,868	342,005	367,110	406,290	418,382	381,442	433,668	505,212	570,642	5,473,696
2041	595,530	551,740	500,200	435,294	344,629	370,031	409,633	421,897	384,544	437,109	509,325	575,421	5,535,353
2042	600,631	556,494	504,333	438,790	347,294	372,990	413,025	425,473	387,703	440,605	513,506	580,300	5,581,144
2043	605,746	561,267	508,474	442,295	349,977	375,978	416,447	429,073	390,879	444,122	517,708	585,189	5,627,156
2044	610,852	548,707	512,609	445,792	352,655	378,958	419,859	432,662	394,047	447,633	521,906	590,067	5,655,746
2045	615,941	570,782	516,726	449,275	355,324	381,939	423,276	436,255	397,216	451,126	526,080	594,931	5,718,870
2046	621,190	575,675	520,979	452,870	358,066	384,982	426,760	439,928	400,457	454,727	530,387	599,950	5,765,971
2047	626,579	580,699	525,344	456,563	360,883	388,108	430,336	443,693	403,783	458,427	534,814	605,103	5,814,332
2048	631,836	567,612	529,602	460,161	363,641	391,189	433,873	447,414	407,066	462,040	539,130	610,124	5,843,687
2049	637,267	590,676	533,995	463,878	366,487	394,361	437,505	451,235	410,436	465,766	543,584	615,314	5,910,504
2050	642,908	595,930	538,568	467,743	369,427	397,619	441,234	455,169	413,915	469,631	548,207	620,710	5,961,061

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	272,490	241,093	229,098	186,619	170,269	169,264	191,271	192,478	172,479	204,740	238,282	270,583	2,538,666
2021	278,724	245,054	233,443	194,430	177,007	175,028	195,037	195,897	175,580	208,598	242,732	275,583	2,597,113
2022	282,994	248,920	237,079	197,536	179,869	178,343	198,505	199,364	178,783	212,459	247,123	280,435	2,641,410
2023	287,685	253,170	241,079	200,966	183,036	180,936	201,402	202,260	181,388	214,995	250,234	284,043	2,681,194
2024	291,327	256,374	244,033	203,356	185,165	183,008	203,776	204,633	183,472	217,511	253,321	287,626	2,713,602
2025	294,684	259,328	246,760	205,565	187,140	184,936	205,991	206,842	185,402	219,836	256,169	290,931	2,743,584
2026	298,024	262,263	249,471	207,759	189,101	186,846	208,183	209,029	187,319	222,148	259,002	294,218	2,773,363
2027	301,269	265,119	252,104	209,889	191,002	188,703	210,314	211,160	189,184	224,390	261,745	297,407	2,802,286
2028	304,540	267,995	254,760	212,043	192,930	190,581	212,469	213,307	191,060	226,656	264,527	300,632	2,831,500
2029	307,676	270,753	257,306	214,106	194,777	192,386	214,539	215,371	192,863	228,827	267,188	303,722	2,859,514
2030	310,691	273,405	259,753	216,085	196,544	194,114	216,521	217,347	194,594	230,907	269,738	306,687	2,886,386
2031	313,502	275,877	262,036	217,935	198,201	195,731	218,380	219,201	196,211	232,857	272,124	309,453	2,911,508
2032	316,357	278,390	264,358	219,818	199,887	197,381	220,277	221,089	197,860	234,840	274,551	312,267	2,937,075
2033	319,192	280,883	266,661	221,688	201,565	199,024	222,168	222,969	199,497	236,808	276,960	315,059	2,962,474
2034	322,119	283,457	269,040	223,615	203,290	200,709	224,102	224,898	201,182	238,836	279,445	317,942	2,988,635
2035	324,974	285,967	271,360	225,494	204,975	202,356	225,997	226,784	202,826	240,814	281,868	320,751	3,014,166
2036	327,877	288,520	273,716	227,403	206,678	204,051	227,910	228,694	204,499	242,824	284,328	323,609	3,040,079
2037	330,748	291,045	276,048	229,292	208,373	205,679	229,814	230,589	206,153	244,813	286,764	326,436	3,065,754
2038	333,639	293,590	278,396	231,195	210,075	207,340	231,724	232,494	207,815	246,819	289,222	329,283	3,091,592
2039	336,514	296,117	280,731	233,085	211,765	208,993	233,623	234,388	209,469	248,806	291,656	332,112	3,117,259
2040	339,378	298,636	283,057	234,970	213,456	210,645	235,522	236,279	211,119	250,791	294,088	334,933	3,142,874
2041	342,277	301,187	285,415	236,882	215,165	212,315	237,441	238,192	212,787	252,802	296,553	337,789	3,168,805
2042	345,235	303,789	287,815	238,822	216,898	214,007	239,387	240,137	214,489	254,847	299,057	340,699	3,195,182
2043	348,201	306,399	290,226	240,775	218,645	215,715	241,347	242,092	216,198	256,903	301,574	343,620	3,221,695
2044	351,167	309,008	292,636	242,727	220,389	217,419	243,308	244,046	217,905	258,958	304,092	346,539	3,248,194
2045	354,124	311,610	295,037	244,673	222,132	219,124	245,267	245,999	219,607	261,005	306,599	349,451	3,274,628
2046	357,171	314,291	297,512	246,677	223,919	220,868	247,273	248,001	221,361	263,115	309,183	352,450	3,301,821
2047	360,298	317,042	300,053	248,732	225,754	222,657	249,330	250,056	223,158	265,282	311,835	355,528	3,329,725
2048	363,356	319,734	302,539	250,744	227,557	224,422	251,359	252,077	224,920	267,399	314,427	358,536	3,357,070
2049	366,511	322,507	305,101	252,819	229,413	226,236	253,446	254,155	226,736	269,584	317,103	361,642	3,385,253
2050	369,783	325,388	307,759	254,968	231,329	228,104	255,594	256,301	228,618	271,846	319,873	364,861	3,414,424

Projected

WHOLESALE POWER SUPPLY PURCHASES

2021 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	61,922	62,216	60,101	51,826	39,249	39,575	42,255	41,747	37,000	42,071	59,936	63,234	601,132
2019	61,350	61,693	59,388	51,156	38,634	38,927	41,618	41,092	36,308	41,417	59,222	62,470	593,275
2020	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2021	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2022	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2023	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2024	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2025	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2026	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2027	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2028	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2029	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2030	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2031	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2032	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2033	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2034	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2035	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2036	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2037	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2038	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2039	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2040	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2041	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2042	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2043	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2044	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2045	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2046	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2047	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2048	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2049	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555
2050	59,385	59,596	59,915	51,663	39,150	39,473	42,116	41,604	36,888	41,959	59,759	63,047	594,555

Note: Includes Omega WAPA Allocation from 2000 through 2045

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	283,455	304,469	341,394	360,735	400,603	4,024,784
2020	429,761	375,360	352,435	307,852	243,935	263,403	295,650	304,954	281,141	321,904	362,451	411,191	3,950,037
2021	438,718	401,167	361,368	316,878	253,813	273,041	301,943	311,331	286,971	328,826	370,291	419,964	4,064,311
2022	446,354	408,394	367,887	322,636	258,601	279,163	308,275	317,884	293,050	335,865	378,132	428,622	4,144,863
2023	454,871	416,471	375,179	329,107	264,004	283,891	313,508	323,354	298,010	340,296	383,441	434,811	4,216,943
2024	461,392	408,162	380,475	333,597	267,417	287,651	317,774	327,862	302,016	344,775	388,795	441,047	4,260,963
2025	467,116	427,872	385,084	337,470	270,378	290,964	321,589	331,873	305,529	348,673	393,477	446,519	4,326,544
2026	472,912	433,262	389,766	341,421	273,392	294,313	325,424	335,908	309,084	352,638	398,232	452,062	4,378,414
2027	478,583	438,547	394,354	345,291	276,343	297,596	329,187	339,878	312,585	356,512	402,869	457,484	4,429,229
2028	484,343	428,787	399,010	349,235	279,365	300,953	333,015	343,900	316,134	360,468	407,604	462,990	4,465,804
2029	489,880	449,067	403,486	353,032	282,279	304,199	336,720	347,795	319,572	364,268	412,148	468,284	4,530,730
2030	494,782	453,606	407,406	356,283	284,754	306,988	339,966	351,209	322,520	367,557	416,125	472,972	4,574,168
2031	499,346	457,835	411,054	359,315	287,073	309,608	343,024	354,412	325,287	370,637	419,848	477,335	4,614,774
2032	504,060	446,455	414,830	362,471	289,494	312,341	346,204	357,741	328,178	373,834	423,702	481,839	4,641,149
2033	508,786	466,603	418,620	365,647	291,936	315,100	349,409	361,095	331,094	377,050	427,571	486,356	4,699,267
2034	513,726	471,192	422,591	368,981	294,490	317,965	352,722	364,570	334,127	380,413	431,614	491,079	4,743,470
2035	518,564	475,696	426,484	372,252	296,999	320,784	355,978	367,985	337,113	383,714	435,579	495,701	4,786,849
2036	523,543	463,941	430,497	375,632	299,580	323,666	359,297	371,475	340,176	387,106	439,648	500,463	4,815,024
2037	528,495	484,932	434,490	378,999	302,166	326,562	362,629	374,973	343,242	390,496	443,710	505,196	4,875,890
2038	533,509	489,604	438,541	382,416	304,778	329,474	365,972	378,486	346,333	393,931	447,826	509,989	4,920,859
2039	538,509	494,266	442,583	385,825	307,388	332,387	369,320	382,008	349,431	397,354	451,924	514,767	4,965,762
2040	543,544	481,942	446,654	389,275	310,037	335,346	372,706	385,564	352,564	400,816	456,062	519,579	4,994,089
2041	548,651	503,731	450,789	392,773	312,716	338,328	376,120	389,153	355,732	404,329	460,262	524,458	5,057,042
2042	553,860	508,584	455,009	396,342	315,437	341,350	379,582	392,804	358,956	407,899	464,530	529,440	5,103,793
2043	559,082	513,458	459,237	399,920	318,177	344,401	383,076	396,479	362,200	411,489	468,821	534,431	5,150,771
2044	564,295	500,634	463,458	403,491	320,910	347,443	386,560	400,144	365,434	415,074	473,107	539,411	5,179,961
2045	569,491	523,172	467,662	407,047	323,636	350,486	390,048	403,813	368,669	418,640	477,369	544,377	5,244,410
2046	574,850	528,168	472,004	410,718	326,436	353,594	393,605	407,562	371,979	422,317	481,766	549,502	5,292,501
2047	580,352	533,297	476,462	414,488	329,311	356,786	397,257	411,406	375,375	426,095	486,286	554,763	5,341,878
2048	585,720	519,936	480,809	418,162	332,127	359,931	400,868	415,206	378,726	429,784	490,692	559,889	5,371,850
2049	591,264	543,484	485,294	421,957	335,034	363,169	404,577	419,107	382,167	433,588	495,240	565,188	5,440,069
2050	597,024	548,849	489,963	425,903	338,035	366,496	408,384	423,124	385,719	437,534	499,960	570,698	5,491,689

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	472,321	455,853	380,506	419,762	316,651	327,934	334,012	358,148	297,533	354,434	418,986	442,415	4,578,555
2019	491,986	470,133	447,820	337,156	295,819	316,878	327,102	324,547	340,777	382,811	419,957	463,073	4,618,059
2020	489,146	434,956	412,350	359,515	283,085	302,876	337,766	346,558	318,029	363,863	422,210	474,238	4,544,592
2021	498,103	460,763	421,283	368,541	292,963	312,514	344,059	352,935	323,859	370,785	430,050	483,011	4,658,866
2022	505,739	467,990	427,802	374,299	297,751	318,636	350,391	359,488	329,938	377,824	437,891	491,669	4,739,418
2023	514,256	476,067	435,094	380,770	303,154	323,364	355,624	364,958	334,898	382,255	443,200	497,858	4,811,498
2024	520,777	467,758	440,390	385,260	306,567	327,124	359,890	369,466	338,904	386,734	448,554	504,094	4,855,518
2025	526,501	487,468	444,999	389,133	309,528	330,437	363,705	373,477	342,417	390,632	453,236	509,566	4,921,099
2026	532,297	492,858	449,681	393,084	312,542	333,786	367,540	377,512	345,972	394,597	457,991	515,109	4,972,969
2027	537,968	498,143	454,269	396,954	315,493	337,069	371,303	381,482	349,473	398,471	462,628	520,531	5,023,784
2028	543,728	488,383	458,925	400,898	318,515	340,426	375,131	385,504	353,022	402,427	467,363	526,037	5,060,359
2029	549,265	508,663	463,401	404,695	321,429	343,672	378,836	389,399	356,460	406,227	471,907	531,331	5,125,285
2030	554,167	513,202	467,321	407,946	323,904	346,461	382,082	392,813	359,408	409,516	475,884	536,019	5,168,723
2031	558,731	517,431	470,969	410,978	326,223	349,081	385,140	396,016	362,175	412,596	479,607	540,382	5,209,329
2032	563,445	506,051	474,745	414,134	328,644	351,814	388,320	399,345	365,066	415,793	483,461	544,886	5,235,704
2033	568,171	526,199	478,535	417,310	331,086	354,573	391,525	402,699	367,982	419,009	487,330	549,403	5,293,822
2034	573,111	530,788	482,506	420,644	333,640	357,438	394,838	406,174	371,015	422,372	491,373	554,126	5,338,025
2035	577,949	535,292	486,399	423,915	336,149	360,257	398,094	409,589	374,001	425,673	495,338	558,748	5,381,404
2036	582,928	523,537	490,412	427,295	338,730	363,139	401,413	413,079	377,064	429,065	499,407	563,510	5,409,579
2037	587,880	544,528	494,405	430,662	341,316	366,035	404,745	416,577	380,130	432,455	503,469	568,243	5,470,445
2038	592,894	549,200	498,456	434,079	343,928	368,947	408,088	420,090	383,221	435,890	507,585	573,036	5,515,414
2039	597,894	553,862	502,498	437,488	346,538	371,860	411,436	423,612	386,319	439,313	511,683	577,814	5,560,317
2040	602,929	541,538	506,569	440,938	349,187	374,819	414,822	427,168	389,452	442,775	515,821	582,626	5,588,644
2041	608,036	563,327	510,704	444,436	351,866	377,801	418,236	430,757	392,620	446,288	520,021	587,505	5,651,597
2042	613,245	568,180	514,924	448,005	354,587	380,823	421,698	434,408	395,844	449,858	524,289	592,487	5,698,348
2043	618,467	573,054	519,152	451,583	357,327	383,874	425,192	438,083	399,088	453,448	528,580	597,478	5,745,326
2044	623,680	560,230	523,373	455,154	360,060	386,916	428,676	441,748	402,322	457,033	532,866	602,458	5,774,516
2045	628,876	582,768	527,577	458,710	362,786	389,959	432,164	445,417	405,557	460,599	537,128	607,424	5,838,965
2046	634,235	587,764	531,919	462,381	365,586	393,067	435,721	449,166	408,867	464,276	541,525	612,549	5,887,056
2047	639,737	592,893	536,377	466,151	368,461	396,259	439,373	453,010	412,263	468,054	546,045	617,810	5,936,433
2048	645,105	579,532	540,724	469,825	371,277	399,404	442,984	456,810	415,614	471,743	550,451	622,936	5,966,405
2049	650,649	603,080	545,209	473,620	374,184	402,642	446,693	460,711	419,055	475,547	554,999	628,235	6,034,624
2050	656,409	608,445	549,878	477,566	377,185	405,969	450,500	464,728	422,607	479,493	559,719	633,745	6,086,244
													Projected

Note: Includes Omega WAPA Allocation from 2000 through 2050

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	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2021	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2022	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2023	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2024	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2025	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2026	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2027	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2028	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2029	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2030	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2031	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2032	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2033	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2034	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2035	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2036	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2037	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2038	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2039	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2040	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2041	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2042	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2043	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2044	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2045	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2046	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2047	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2048	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2049	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105
2050	35,232	37,497	29,991	29,482	21,887	21,243	22,025	22,501	21,375	23,496	29,955	37,421	332,105

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	242,163	207,936	203,231	160,496	151,447	151,068	172,689	173,442	154,209	184,929	212,616	238,032	2,252,258
2021	248,509	211,968	207,654	168,448	158,306	156,936	176,523	176,922	157,365	188,857	217,146	243,122	2,311,756
2022	252,856	215,904	211,355	171,610	161,220	160,310	180,053	180,452	160,626	192,787	221,616	248,062	2,356,851
2023	257,631	220,230	215,427	175,101	164,444	162,950	183,002	183,400	163,278	195,369	224,783	251,735	2,397,350
2024	261,339	223,492	218,435	177,534	166,611	165,059	185,419	185,815	165,399	197,930	227,926	255,382	2,430,341
2025	264,756	226,499	221,211	179,783	168,622	167,022	187,674	188,064	167,364	200,297	230,825	258,747	2,460,864
2026	268,156	229,487	223,970	182,017	170,618	168,966	189,905	190,291	169,316	202,651	233,709	262,093	2,491,179
2027	271,460	232,394	226,651	184,185	172,553	170,857	192,075	192,460	171,214	204,933	236,501	265,339	2,520,622
2028	274,790	235,322	229,355	186,378	174,516	172,768	194,268	194,646	173,124	207,240	239,333	268,622	2,550,362
2029	277,982	238,130	231,947	188,478	176,396	174,606	196,376	196,747	174,960	209,450	242,042	271,768	2,578,882
2030	281,051	240,829	234,438	190,493	178,195	176,365	198,393	198,758	176,722	211,567	244,638	274,786	2,606,235
2031	283,913	243,346	236,762	192,376	179,882	178,011	200,286	200,646	178,368	213,552	247,067	277,602	2,631,811
2032	286,819	245,904	239,125	194,293	181,598	179,691	202,217	202,568	180,046	215,571	249,538	280,467	2,657,837
2033	289,705	248,442	241,470	196,196	183,306	181,363	204,142	204,481	181,713	217,575	251,990	283,309	2,683,692
2034	292,685	251,062	243,892	198,158	185,062	183,079	206,111	206,445	183,428	219,639	254,520	286,244	2,710,325
2035	295,592	253,617	246,253	200,071	186,778	184,755	208,040	208,365	185,102	221,653	256,987	289,104	2,736,317
2036	298,547	256,216	248,652	202,014	188,511	186,450	209,987	210,309	186,805	223,699	259,491	292,013	2,762,694
2037	301,469	258,787	251,026	203,937	190,237	188,138	211,926	212,239	188,489	225,724	261,971	294,891	2,788,834
2038	304,413	261,378	253,416	205,875	191,969	189,829	213,870	214,178	190,181	227,766	264,473	297,789	2,815,137
2039	307,339	263,950	255,793	207,799	193,690	191,512	215,803	216,106	191,864	229,789	266,951	300,669	2,841,265
2040	310,255	266,514	258,161	209,717	195,411	193,194	217,736	218,031	193,544	231,809	269,427	303,541	2,867,340
2041	313,206	269,111	260,561	211,664	197,151	194,894	219,690	219,978	195,242	233,856	271,936	306,448	2,893,737
2042	316,217	271,760	263,005	213,639	198,915	196,616	221,671	221,958	196,975	235,938	274,485	309,411	2,920,590
2043	319,237	274,417	265,459	215,627	200,694	198,355	223,666	223,949	198,715	238,031	277,047	312,384	2,947,581
2044	322,256	277,073	267,912	217,614	202,469	200,090	225,663	225,938	200,452	240,123	279,611	315,356	2,974,557
2045	325,266	279,722	270,357	219,595	204,243	201,825	227,657	227,926	202,185	242,207	282,163	318,320	3,001,466
2046	328,368	282,451	272,876	221,635	206,063	203,601	229,699	229,964	203,970	244,355	284,793	321,373	3,029,148
2047	331,551	285,252	275,463	223,727	207,931	205,422	231,793	232,056	205,800	246,561	287,493	324,507	3,057,556
2048	334,664	287,992	277,994	225,775	209,766	207,219	233,858	234,113	207,594	248,716	290,132	327,569	3,085,392
2049	337,876	290,815	280,602	227,888	211,655	209,065	235,983	236,229	209,442	250,941	292,856	330,731	3,114,083
2050	341,207	293,748	283,308	230,075	213,606	210,967	238,170	238,413	211,358	253,243	295,676	334,007	3,143,778
													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	277,395	245,433	233,222	189,978	173,334	172,311	194,714	195,943	175,584	208,425	242,571	275,453	2,584,363
2021	283,741	249,465	237,645	197,930	180,193	178,179	198,548	199,423	178,740	212,353	247,101	280,543	2,643,861
2022	288,088	253,401	241,346	201,092	183,107	181,553	202,078	202,953	182,001	216,283	251,571	285,483	2,688,956
2023	292,863	257,727	245,418	204,583	186,331	184,193	205,027	205,901	184,653	218,865	254,738	289,156	2,729,455
2024	296,571	260,989	248,426	207,016	188,498	186,302	207,444	208,316	186,774	221,426	257,881	292,803	2,762,446
2025	299,988	263,996	251,202	209,265	190,509	188,265	209,699	210,565	188,739	223,793	260,780	296,168	2,792,969
2026	303,388	266,984	253,961	211,499	192,505	190,209	211,930	212,792	190,691	226,147	263,664	299,514	2,823,284
2027	306,692	269,891	256,642	213,667	194,440	192,100	214,100	214,961	192,589	228,429	266,456	302,760	2,852,727
2028	310,022	272,819	259,346	215,860	196,403	194,011	216,293	217,147	194,499	230,736	269,288	306,043	2,882,467
2029	313,214	275,627	261,938	217,960	198,283	195,849	218,401	219,248	196,335	232,946	271,997	309,189	2,910,987
2030	316,283	278,326	264,429	219,975	200,082	197,608	220,418	221,259	198,097	235,063	274,593	312,207	2,938,340
2031	319,145	280,843	266,753	221,858	201,769	199,254	222,311	223,147	199,743	237,048	277,022	315,023	2,963,916
2032	322,051	283,401	269,116	223,775	203,485	200,934	224,242	225,069	201,421	239,067	279,493	317,888	2,989,942
2033	324,937	285,939	271,461	225,678	205,193	202,606	226,167	226,982	203,088	241,071	281,945	320,730	3,015,797
2034	327,917	288,559	273,883	227,640	206,949	204,322	228,136	228,946	204,803	243,135	284,475	323,665	3,042,430
2035	330,824	291,114	276,244	229,553	208,665	205,998	230,065	230,866	206,477	245,149	286,942	326,525	3,068,422
2036	333,779	293,713	278,643	231,496	210,398	207,693	232,012	232,810	208,180	247,195	289,446	329,434	3,094,799
2037	336,701	296,284	281,017	233,419	212,124	209,381	233,951	234,740	209,864	249,220	291,926	332,312	3,120,939
2038	339,645	298,875	283,407	235,357	213,856	211,072	235,895	236,679	211,556	251,262	294,428	335,210	3,147,242
2039	342,571	301,447	285,784	237,281	215,577	212,755	237,828	238,607	213,239	253,285	296,906	338,090	3,173,370
2040	345,487	304,011	288,152	239,199	217,298	214,437	239,761	240,532	214,919	255,305	299,382	340,962	3,199,445
2041	348,438	306,608	290,552	241,146	219,038	216,137	241,715	242,479	216,617	257,352	301,891	343,869	3,225,842
2042	351,449	309,257	292,996	243,121	220,802	217,859	243,696	244,459	218,350	259,434	304,440	346,832	3,252,695
2043	354,469	311,914	295,450	245,109	222,581	219,598	245,691	246,450	220,090	261,527	307,002	349,805	3,279,686
2044	357,488	314,570	297,903	247,096	224,356	221,333	247,688	248,439	221,827	263,619	309,566	352,777	3,306,662
2045	360,498	317,219	300,348	249,077	226,130	223,068	249,682	250,427	223,560	265,703	312,118	355,741	3,333,571
2046	363,600	319,948	302,867	251,117	227,950	224,844	251,724	252,465	225,345	267,851	314,748	358,794	3,361,253
2047	366,783	322,749	305,454	253,209	229,818	226,665	253,818	254,557	227,175	270,057	317,448	361,928	3,389,661
2048	369,896	325,489	307,985	255,257	231,653	228,462	255,883	256,614	228,969	272,212	320,087	364,990	3,417,497
2049	373,108	328,312	310,593	257,370	233,542	230,308	258,008	258,730	230,817	274,437	322,811	368,152	3,446,188
2050	376,439	331,245	313,299	259,557	235,493	232,210	260,195	260,914	232,733	276,739	325,631	371,428	3,475,883

Note: Includes Omega WAPA Allocation from 2000 through 2050

Projected

CAPITAL ELECTRIC

2021 Load Forecast

SUMMARY

Capital 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	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	
P r o j e c t e d	2020	72,900	66,655	57,074	53,298	48,280	62,327	77,748	78,806	69,294	52,532	58,717	69,211	766,843
	2021	73,785	69,858	57,750	53,909	48,843	63,087	78,732	79,790	70,116	53,145	59,410	70,055	778,479
	2022	74,875	70,882	58,593	54,686	49,552	64,021	79,917	80,984	71,141	53,917	60,278	71,092	789,937
	2023	76,117	72,053	59,559	55,579	50,365	65,086	81,260	82,340	72,313	54,802	61,270	72,273	803,018
	2024	77,439	70,772	60,588	56,534	51,233	66,217	82,682	83,778	73,563	55,746	62,328	73,529	814,411
	2025	78,704	74,488	61,568	57,436	52,055	67,302	84,059	85,164	74,753	56,642	63,335	74,733	830,240
	2026	79,950	75,659	62,534	58,327	52,868	68,368	85,409	86,525	75,926	57,526	64,328	75,918	843,338
	2027	81,172	76,809	63,482	59,203	53,665	69,415	86,732	87,860	77,078	58,395	65,302	77,080	856,194
	2028	82,423	75,298	64,455	60,102	54,484	70,487	88,085	89,225	78,259	59,286	66,302	78,269	866,675
	2029	83,677	79,169	65,430	61,005	55,305	71,561	89,438	90,592	79,443	60,180	67,304	79,461	882,566
	2030	84,710	80,133	66,222	61,726	55,967	72,448	90,579	91,735	80,406	60,901	68,117	80,446	893,389
	2031	85,735	81,090	67,009	62,443	56,624	73,328	91,708	92,868	81,362	61,617	68,925	81,422	904,129
	2032	86,839	79,291	67,860	63,221	57,337	74,275	92,918	94,084	82,396	62,393	69,798	82,473	912,884
	2033	87,958	83,172	68,724	64,014	58,061	75,235	94,143	95,315	83,446	63,181	70,686	83,539	927,475
	2034	89,082	84,226	69,592	64,810	58,789	76,199	95,369	96,549	84,500	63,974	71,578	84,608	939,277
	2035	90,189	85,265	70,447	65,596	59,507	77,148	96,576	97,764	85,540	64,756	72,456	85,662	950,905
	2036	91,309	83,340	71,315	66,395	60,235	78,108	97,795	98,992	86,593	65,549	73,347	86,728	959,707
	2037	92,440	87,379	72,191	67,202	60,971	79,077	99,023	100,229	87,657	66,350	74,247	87,803	974,569
	2038	93,538	88,411	73,041	67,986	61,686	80,018	100,215	101,430	88,690	67,129	75,122	88,847	986,113
	2039	94,652	89,459	73,905	68,783	62,413	80,973	101,423	102,649	89,740	67,920	76,010	89,907	997,834
	2040	95,794	87,413	74,793	69,604	63,160	81,951	102,658	103,895	90,818	68,733	76,922	90,993	1,006,733
	2041	96,918	91,593	75,666	70,411	63,894	82,914	103,873	105,122	91,878	69,532	77,819	92,062	1,021,681
	2042	98,060	92,668	76,552	71,230	64,641	83,891	105,108	106,368	92,955	70,345	78,730	93,147	1,033,695
	2043	99,221	93,761	77,454	72,064	65,400	84,886	106,364	107,635	94,050	71,171	79,657	94,251	1,045,915
	2044	100,374	91,576	78,350	72,892	66,153	85,874	107,612	108,894	95,138	71,992	80,578	95,348	1,054,780
	2045	101,547	95,950	79,260	73,733	66,920	86,878	108,880	110,173	96,244	72,826	81,513	96,463	1,070,387
	2046	102,703	97,038	80,158	74,562	67,675	87,868	110,131	111,436	97,334	73,648	82,436	97,562	1,082,550
	2047	103,889	98,155	81,078	75,413	68,449	88,884	111,415	112,731	98,452	74,491	83,382	98,690	1,095,027
	2048	105,103	95,874	82,021	76,284	69,243	89,924	112,729	114,057	99,597	75,355	84,351	99,844	1,104,382
	2049	106,343	100,465	82,984	77,174	70,053	90,986	114,071	115,410	100,766	76,236	85,341	101,023	1,120,852
	2050	107,578	101,627	83,943	78,059	70,859	92,045	115,408	116,760	101,931	77,114	86,326	102,198	1,133,849

Capital 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	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	
P r o j e c t e d	2020	39,611	34,877	32,459	26,933	26,348	29,271	35,098	33,298	27,114	27,901	32,036	39,403	384,349
	2021	40,183	35,380	32,928	27,322	26,729	29,694	35,605	33,779	27,506	28,304	32,499	39,972	389,901
	2022	40,826	35,947	33,455	27,759	27,157	30,169	36,175	34,320	27,946	28,757	33,020	40,613	396,144
	2023	41,542	36,577	34,042	28,246	27,633	30,698	36,809	34,922	28,436	29,262	33,598	41,325	403,090
	2024	42,289	37,235	34,654	28,754	28,130	31,250	37,471	35,550	28,948	29,788	34,203	42,068	410,340
	2025	43,037	37,894	35,267	29,263	28,628	31,803	38,134	36,179	29,460	30,315	34,808	42,812	417,600
	2026	43,763	38,533	35,862	29,756	29,111	32,340	38,777	36,789	29,957	30,826	35,395	43,534	424,643
	2027	44,473	39,158	36,443	30,239	29,583	32,864	39,406	37,386	30,443	31,326	35,969	44,240	431,530
	2028	45,193	39,792	37,034	30,728	30,062	33,396	40,044	37,991	30,935	31,833	36,551	44,956	438,515
	2029	45,911	40,424	37,622	31,216	30,539	33,926	40,680	38,594	31,427	32,339	37,132	45,670	445,480
	2030	46,561	40,996	38,154	31,658	30,971	34,407	41,256	39,141	31,872	32,796	37,657	46,317	451,786
	2031	47,200	41,559	38,678	32,093	31,397	34,879	41,823	39,678	32,310	33,247	38,175	46,953	457,992
	2032	47,875	42,153	39,231	32,552	31,845	35,378	42,420	40,245	32,771	33,722	38,720	47,624	464,536
	2033	48,551	42,749	39,785	33,012	32,295	35,878	43,020	40,814	33,234	34,199	39,267	48,297	471,101
	2034	49,225	43,342	40,338	33,470	32,744	36,376	43,617	41,381	33,696	34,673	39,812	48,968	477,642
	2035	49,887	43,924	40,880	33,920	33,184	36,864	44,203	41,936	34,148	35,139	40,347	49,625	484,057
	2036	50,550	44,508	41,423	34,371	33,625	37,354	44,790	42,494	34,602	35,606	40,883	50,285	490,491
	2037	51,214	45,093	41,967	34,822	34,066	37,845	45,379	43,052	35,057	36,074	41,420	50,945	496,934
	2038	51,858	45,660	42,495	35,260	34,495	38,321	45,950	43,594	35,498	36,528	41,942	51,587	503,188
	2039	52,509	46,233	43,028	35,703	34,928	38,802	46,526	44,141	35,943	36,986	42,468	52,234	509,501
	2040	53,167	46,813	43,568	36,150	35,366	39,288	47,109	44,694	36,394	37,450	43,000	52,888	515,887
	2041	53,816	47,384	44,100	36,592	35,798	39,768	47,685	45,240	36,838	37,907	43,525	53,534	522,187
	2042	54,475	47,965	44,640	37,040	36,236	40,255	48,269	45,794	37,289	38,371	44,058	54,190	528,582
	2043	55,145	48,555	45,189	37,495	36,682	40,750	48,862	46,357	37,748	38,843	44,600	54,856	535,082
	2044	55,812	49,142	45,735	37,949	37,125	41,243	49,453	46,917	38,204	39,313	45,139	55,520	541,552
	2045	56,489	49,738	46,290	38,409	37,576	41,744	50,053	47,487	38,668	39,790	45,687	56,193	548,124
	2046	57,159	50,328	46,839	38,865	38,021	42,239	50,647	48,050	39,127	40,262	46,229	56,860	554,626
	2047	57,846	50,933	47,402	39,332	38,478	42,746	51,256	48,628	39,597	40,746	46,785	57,543	561,292
	2048	58,549	51,552	47,978	39,810	38,946	43,266	51,878	49,218	40,078	41,241	47,353	58,242	568,111
	2049	59,266	52,183	48,566	40,297	39,423	43,796	52,514	49,822	40,569	41,746	47,933	58,956	575,071
	2050	59,983	52,814	49,153	40,785	39,900	44,325	53,149	50,424	41,060	42,251	48,513	59,669	582,026

Capital Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Year</u>	<u>Total Residential</u>	<u>Small Commercial</u>	<u>Large Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Total Sales</u>	<u>Own Use & Losses</u>	<u>Total Energy Requirements</u>
H i s t o r i c a l	2000	88,135	47,592	17,095	617	1,059	154,498	8,954	163,452
	2001	94,870	51,543	20,291	691	1,041	168,436	5,201	173,637
	2002	103,007	52,859	21,760	1,415	1,027	180,068	6,186	186,254
	2003	108,883	60,061	21,647	1,446	1,057	193,094	4,169	197,263
	2004	111,021	61,102	21,945	1,103	956	196,127	2,136	198,263
	2005	125,508	63,753	26,830	1,351	1,394	218,836	-697	218,139
	2006	133,469	68,164	33,026	1,778	1,441	237,878	3,282	241,160
	2007	142,268	70,492	31,394	1,120	1,415	246,689	12,516	259,205
	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	
P r o j e c t e d	2020	221,739	116,729	27,081	1,030	869	367,448	16,903	384,351
	2021	224,746	118,499	27,610	1,030	869	372,754	17,147	389,901
	2022	228,344	120,381	28,100	1,030	869	378,724	17,421	396,145
	2023	232,544	122,313	28,607	1,030	869	385,363	17,727	403,090
	2024	237,017	124,263	29,114	1,030	869	392,293	18,045	410,338
	2025	241,517	126,213	29,604	1,030	869	399,233	18,365	417,598
	2026	245,828	128,155	30,088	1,030	869	405,970	18,675	424,645
	2027	249,991	130,094	30,567	1,030	869	412,551	18,977	431,528
	2028	254,262	132,021	31,050	1,030	869	419,232	19,285	438,517
	2029	258,524	133,938	31,529	1,030	869	425,890	19,591	445,481
	2030	262,171	135,843	32,004	1,030	869	431,917	19,868	451,785
	2031	265,742	137,735	32,477	1,030	869	437,853	20,141	457,994
	2032	269,646	139,612	32,949	1,030	869	444,106	20,429	464,535
	2033	273,589	141,474	33,420	1,030	869	450,382	20,718	471,100
	2034	277,529	143,317	33,891	1,030	869	456,636	21,005	477,641
	2035	281,375	145,136	34,361	1,030	869	462,771	21,287	484,058
	2036	285,258	146,935	34,829	1,030	869	468,921	21,570	490,491
	2037	289,173	148,711	35,299	1,030	869	475,082	21,854	496,936
	2038	292,925	150,469	35,767	1,030	869	481,060	22,129	503,189
	2039	296,750	152,211	36,235	1,030	869	487,095	22,406	509,501
	2040	300,652	153,945	36,704	1,030	869	493,200	22,687	515,887
	2041	304,480	155,672	37,171	1,030	869	499,222	22,964	522,186
	2042	308,396	157,400	37,641	1,030	869	505,336	23,245	528,581
	2043	312,408	159,133	38,113	1,030	869	511,553	23,531	535,084
	2044	316,379	160,873	38,585	1,030	869	517,736	23,816	541,552
	2045	320,438	162,623	39,060	1,030	869	524,020	24,105	548,125
	2046	324,412	164,387	39,538	1,030	869	530,236	24,391	554,627
	2047	328,520	166,170	40,017	1,030	869	536,606	24,684	561,290
	2048	332,749	167,978	40,501	1,030	869	543,127	24,984	568,111
	2049	337,083	169,812	40,988	1,030	869	549,782	25,290	575,072
	2050	341,375	171,678	41,479	1,030	869	556,431	25,596	582,027

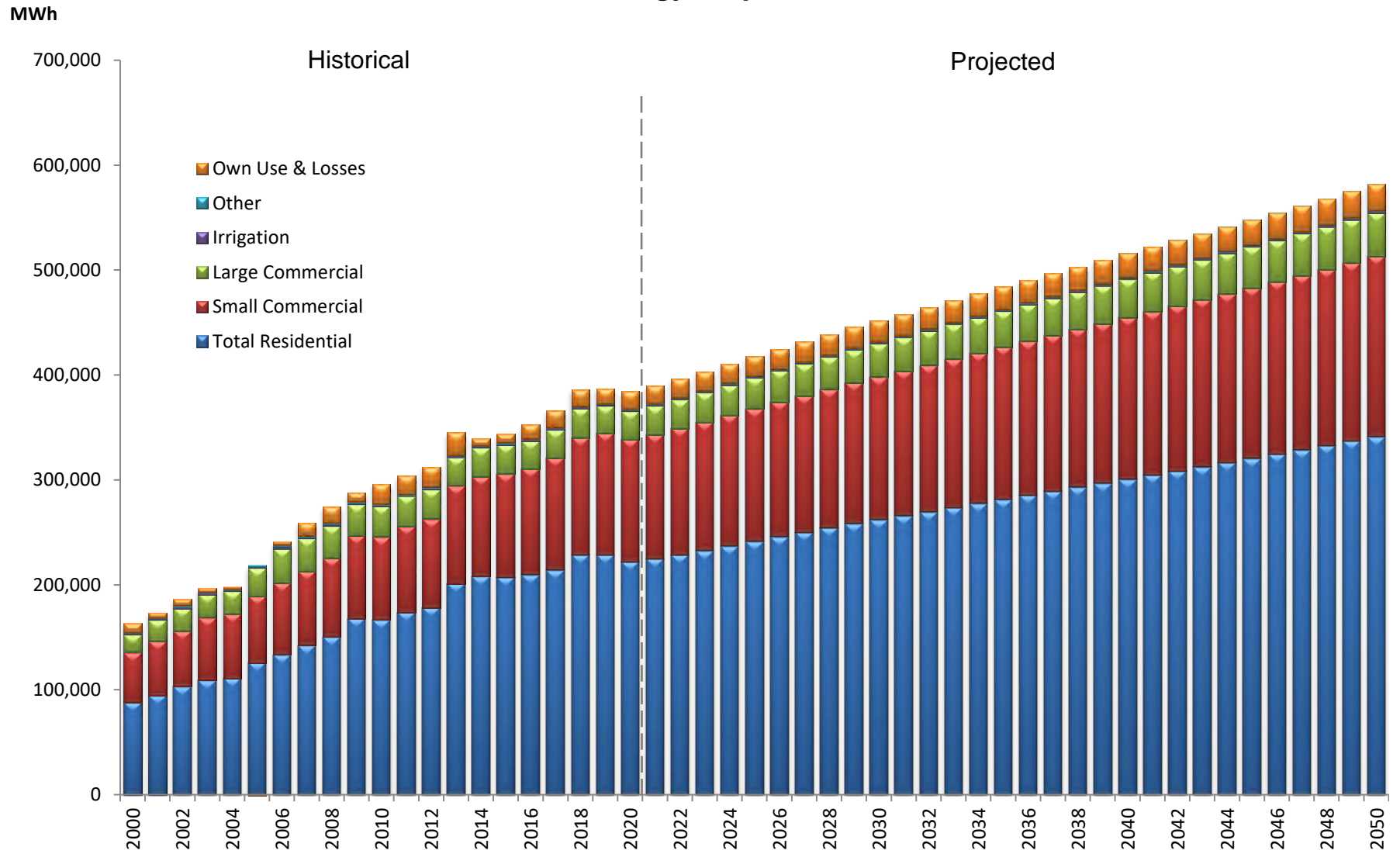
Historical Average Compound Growth Rates:

Projected Average Compound Growth Rates:

2000-2019	4.64%	2014-2019	2.65%
2020-2050	1.39%	2020-2025	1.67%

Capital Electric Cooperative

Annual Energy Requirements



DAKOTA VALLEY ELECTRIC

2021 Load Forecast

SUMMARY

Dakota Valley 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	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	
P r o j e c t e d	2020	106,337	88,302	92,510	85,475	76,155	77,397	83,079	72,844	69,978	92,685	105,799	104,569	1,055,129
	2021	107,364	95,775	94,795	87,587	80,438	81,250	83,566	73,274	70,351	93,359	106,670	105,421	1,079,850
	2022	108,154	96,478	95,406	88,134	80,883	81,708	84,000	73,658	70,689	93,960	107,438	106,175	1,086,683
	2023	109,078	97,303	96,122	88,777	81,405	82,247	84,510	74,110	71,088	94,663	108,336	107,056	1,094,694
	2024	109,980	95,871	96,823	89,406	81,916	82,774	85,009	74,553	71,480	95,351	109,212	107,915	1,100,289
	2025	110,810	98,847	97,463	89,980	82,382	83,254	85,465	74,956	71,834	95,981	110,020	108,707	1,109,700
	2026	111,656	99,600	98,118	90,567	82,859	83,745	85,931	75,369	72,197	96,624	110,842	109,513	1,117,021
	2027	112,405	100,267	98,697	91,086	83,282	84,181	86,343	75,734	72,519	97,194	111,570	110,227	1,123,505
	2028	113,309	98,735	99,399	91,717	83,794	84,709	86,843	76,177	72,912	97,883	112,448	111,088	1,129,015
	2029	114,141	101,818	100,045	92,297	84,265	85,195	87,303	76,585	73,273	98,517	113,256	111,881	1,138,578
	2030	114,830	102,427	100,574	92,769	84,649	85,590	87,679	76,917	73,561	99,038	113,928	112,539	1,144,501
	2031	115,515	103,033	101,100	93,238	85,031	85,983	88,054	77,247	73,848	99,556	114,597	113,194	1,150,395
	2032	116,221	101,230	101,644	93,725	85,427	86,390	88,441	77,589	74,146	100,092	115,286	113,868	1,154,059
	2033	116,951	104,307	102,206	94,228	85,836	86,811	88,841	77,943	74,456	100,645	115,996	114,565	1,162,786
	2034	117,685	104,961	102,774	94,737	86,249	87,237	89,245	78,301	74,770	101,203	116,712	115,266	1,169,140
	2035	118,414	105,609	103,337	95,241	86,659	87,659	89,646	78,656	75,082	101,757	117,421	115,961	1,175,442
	2036	119,097	103,699	103,864	95,714	87,044	88,055	90,022	78,988	75,374	102,276	118,085	116,612	1,178,830
	2037	119,848	106,887	104,447	96,237	87,468	88,493	90,436	79,356	75,698	102,848	118,815	117,328	1,187,861
	2038	120,587	107,546	105,019	96,750	87,886	88,923	90,844	79,717	76,017	103,411	119,533	118,032	1,194,266
	2039	121,293	108,175	105,566	97,241	88,284	89,334	91,233	80,062	76,321	103,947	120,218	118,705	1,200,378
	2040	122,067	106,257	106,167	97,781	88,723	89,786	91,661	80,441	76,658	104,538	120,970	119,442	1,204,493
	2041	122,825	109,544	106,756	98,310	89,152	90,229	92,080	80,813	76,988	105,116	121,705	120,164	1,213,682
	2042	123,516	110,161	107,292	98,791	89,543	90,632	92,462	81,151	77,287	105,642	122,377	120,822	1,219,676
	2043	124,272	110,836	107,879	99,318	89,971	91,073	92,880	81,522	77,615	106,218	123,110	121,542	1,226,237
	2044	125,033	108,815	108,469	99,848	90,402	91,518	93,300	81,895	77,946	106,798	123,849	122,267	1,230,142
	2045	125,777	112,181	109,047	100,367	90,824	91,952	93,711	82,259	78,268	107,365	124,571	122,976	1,239,298
	2046	126,517	112,841	109,621	100,882	91,242	92,384	94,120	82,622	78,589	107,929	125,289	123,681	1,245,718
	2047	127,300	113,541	110,229	101,428	91,686	92,841	94,553	83,006	78,929	108,526	126,049	124,426	1,252,516
	2048	128,051	111,418	110,811	101,951	92,111	93,279	94,968	83,373	79,255	109,098	126,778	125,142	1,256,235
	2049	128,849	114,924	111,431	102,508	92,563	93,745	95,409	83,765	79,601	109,706	127,553	125,902	1,265,955
	2050	129,600	115,594	112,013	103,031	92,987	94,183	95,823	84,132	79,927	110,278	128,282	126,617	1,272,467

Dakota Valley 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	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	
P r o j e c t e d	2020	65,332	57,244	59,013	48,711	49,199	49,671	53,059	51,274	47,078	58,344	64,642	68,106	671,673
	2021	67,401	57,928	59,649	53,322	53,435	51,716	53,397	51,605	47,370	58,779	65,216	68,689	688,507
	2022	67,884	58,336	60,036	53,665	53,755	51,995	53,684	51,886	47,618	59,148	65,705	69,184	692,896
	2023	68,440	58,807	60,481	54,061	54,125	52,317	54,015	52,210	47,903	59,574	66,268	69,754	697,955
	2024	68,977	59,261	60,911	54,443	54,481	52,628	54,334	52,522	48,179	59,985	66,811	70,305	702,837
	2025	69,488	59,693	61,320	54,807	54,820	52,924	54,639	52,820	48,441	60,377	67,328	70,829	707,486
	2026	70,001	60,127	61,731	55,171	55,161	53,220	54,944	53,118	48,704	60,769	67,846	71,354	712,146
	2027	70,455	60,511	62,094	55,494	55,462	53,483	55,214	53,383	48,938	61,117	68,306	71,820	716,277
	2028	70,992	60,965	62,524	55,877	55,819	53,794	55,534	53,696	49,213	61,529	68,849	72,371	721,163
	2029	71,489	61,385	62,922	56,230	56,149	54,082	55,829	53,985	49,468	61,909	69,352	72,881	725,681
	2030	71,929	61,757	63,274	56,543	56,440	54,336	56,090	54,240	49,694	62,245	69,796	73,331	729,675
	2031	72,364	62,125	63,622	56,852	56,729	54,588	56,349	54,494	49,917	62,578	70,236	73,777	733,631
	2032	72,806	62,499	63,976	57,167	57,023	54,844	56,612	54,751	50,144	62,917	70,684	74,231	737,654
	2033	73,258	62,881	64,338	57,489	57,323	55,106	56,882	55,014	50,377	63,263	71,141	74,694	741,766
	2034	73,710	63,263	64,700	57,810	57,623	55,367	57,150	55,277	50,608	63,609	71,598	75,157	745,872
	2035	74,156	63,640	65,057	58,127	57,919	55,625	57,415	55,537	50,837	63,950	72,049	75,614	749,926
	2036	74,573	63,993	65,391	58,424	58,196	55,867	57,664	55,780	51,052	64,270	72,472	76,043	753,725
	2037	75,027	64,376	65,754	58,746	58,497	56,129	57,933	56,044	51,284	64,617	72,930	76,507	757,844
	2038	75,472	64,753	66,110	59,063	58,792	56,387	58,198	56,303	51,513	64,958	73,380	76,963	761,892
	2039	75,897	65,112	66,450	59,365	59,074	56,633	58,451	56,550	51,731	65,283	73,810	77,399	765,755
	2040	76,357	65,501	66,818	59,692	59,380	56,899	58,725	56,818	51,967	65,635	74,275	77,871	769,938
	2041	76,807	65,882	67,179	60,013	59,679	57,160	58,993	57,080	52,198	65,980	74,731	78,333	774,035
	2042	77,221	66,232	67,510	60,307	59,953	57,399	59,239	57,321	52,411	66,297	75,150	78,757	777,797
	2043	77,671	66,612	67,870	60,627	60,252	57,660	59,506	57,583	52,642	66,641	75,604	79,218	781,886
	2044	78,125	66,996	68,233	60,950	60,553	57,922	59,776	57,847	52,875	66,989	76,063	79,683	786,012
	2045	78,568	67,371	68,588	61,265	60,847	58,179	60,040	58,105	53,102	67,328	76,512	80,138	790,043
	2046	79,010	67,745	68,942	61,580	61,141	58,435	60,303	58,362	53,329	67,667	76,959	80,591	794,064
	2047	79,476	68,139	69,315	61,911	61,450	58,704	60,580	58,634	53,568	68,024	77,430	81,069	798,300
	2048	79,925	68,518	69,674	62,230	61,748	58,964	60,847	58,895	53,798	68,367	77,884	81,529	802,379
	2049	80,400	68,920	70,055	62,568	62,063	59,239	61,130	59,171	54,042	68,731	78,365	82,016	806,700
	2050	80,848	69,299	70,414	62,887	62,361	59,499	61,397	59,432	54,273	69,074	78,819	82,476	810,779

Dakota Valley Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Year</u>	<u>Total Residential</u>	<u>Small Commercial</u>	<u>Large Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Total Sales</u>	<u>Own Use & Losses</u>	<u>Total Energy Requirements</u>
H i s t o r i c a l	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
	2005	97,124	6,190	286,465	3,661	577	394,017	11,252	405,269
	2006	97,939	6,306	304,129	8,088	531	416,993	9,779	426,772
	2007	105,969	6,753	312,566	5,581	575	431,444	9,647	441,091
	2008	115,178	7,255	329,106	8,482	622	460,643	8,023	468,666
	2009	125,131	7,359	327,640	5,438	624	466,192	7,766	473,958
	2010	116,520	7,331	380,341	4,900	643	509,735	8,732	518,467
	2011	115,366	6,884	425,208	2,989	674	551,121	7,188	558,309
	2012	104,865	6,696	438,468	10,291	702	561,022	8,702	569,724
	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	
P r o j e c t e d	2020	131,242	8,998	510,865	8,154	835	660,094	11,580	671,674
	2021	131,548	9,048	527,074	8,256	835	676,761	11,746	688,507
	2022	132,490	9,133	530,193	8,359	835	681,010	11,887	692,897
	2023	133,218	9,206	534,187	8,461	835	685,907	12,049	697,956
	2024	134,017	9,306	537,907	8,564	835	690,629	12,206	702,835
	2025	134,920	9,410	541,300	8,666	835	695,131	12,356	707,487
	2026	135,796	9,494	544,747	8,769	835	699,641	12,506	712,147
	2027	136,575	9,602	547,756	8,871	835	703,639	12,638	716,277
	2028	137,779	9,688	551,093	8,974	835	708,369	12,795	721,164
	2029	138,547	9,797	554,486	9,076	835	712,741	12,941	725,682
	2030	139,329	9,906	557,358	9,178	835	716,606	13,069	729,675
	2031	139,795	9,994	560,532	9,281	835	720,437	13,196	733,633
	2032	140,520	10,103	563,486	9,383	835	724,327	13,326	737,653
	2033	141,111	10,191	566,687	9,486	835	728,310	13,458	741,768
	2034	141,971	10,301	569,587	9,588	835	732,282	13,590	745,872
	2035	142,750	10,389	572,541	9,691	835	736,206	13,720	749,926
2036	143,314	10,498	575,441	9,793	835	739,881	13,842	753,723	
2037	144,244	10,608	578,286	9,896	835	743,869	13,975	757,844	
2038	145,042	10,696	581,213	9,998	835	747,784	14,105	761,889	
2039	145,645	10,806	584,141	10,101	835	751,528	14,229	765,757	
2040	146,548	10,894	587,095	10,203	835	755,575	14,363	769,938	
2041	147,456	11,004	589,940	10,306	835	759,541	14,495	774,036	
2042	148,067	11,114	592,758	10,408	835	763,182	14,616	777,798	
2043	148,961	11,202	595,631	10,511	835	767,140	14,747	781,887	
2044	149,651	11,312	598,722	10,613	835	771,133	14,880	786,013	
2045	150,490	11,399	601,594	10,716	835	775,034	15,010	790,044	
2046	151,184	11,509	604,576	10,818	835	778,922	15,139	794,061	
2047	152,006	11,597	607,668	10,921	835	783,027	15,275	798,302	
2048	152,676	11,707	610,732	11,023	835	786,973	15,406	802,379	
2049	153,498	11,817	613,878	11,126	835	791,154	15,545	806,699	
2050	154,139	11,905	616,996	11,228	835	795,103	15,676	810,779	

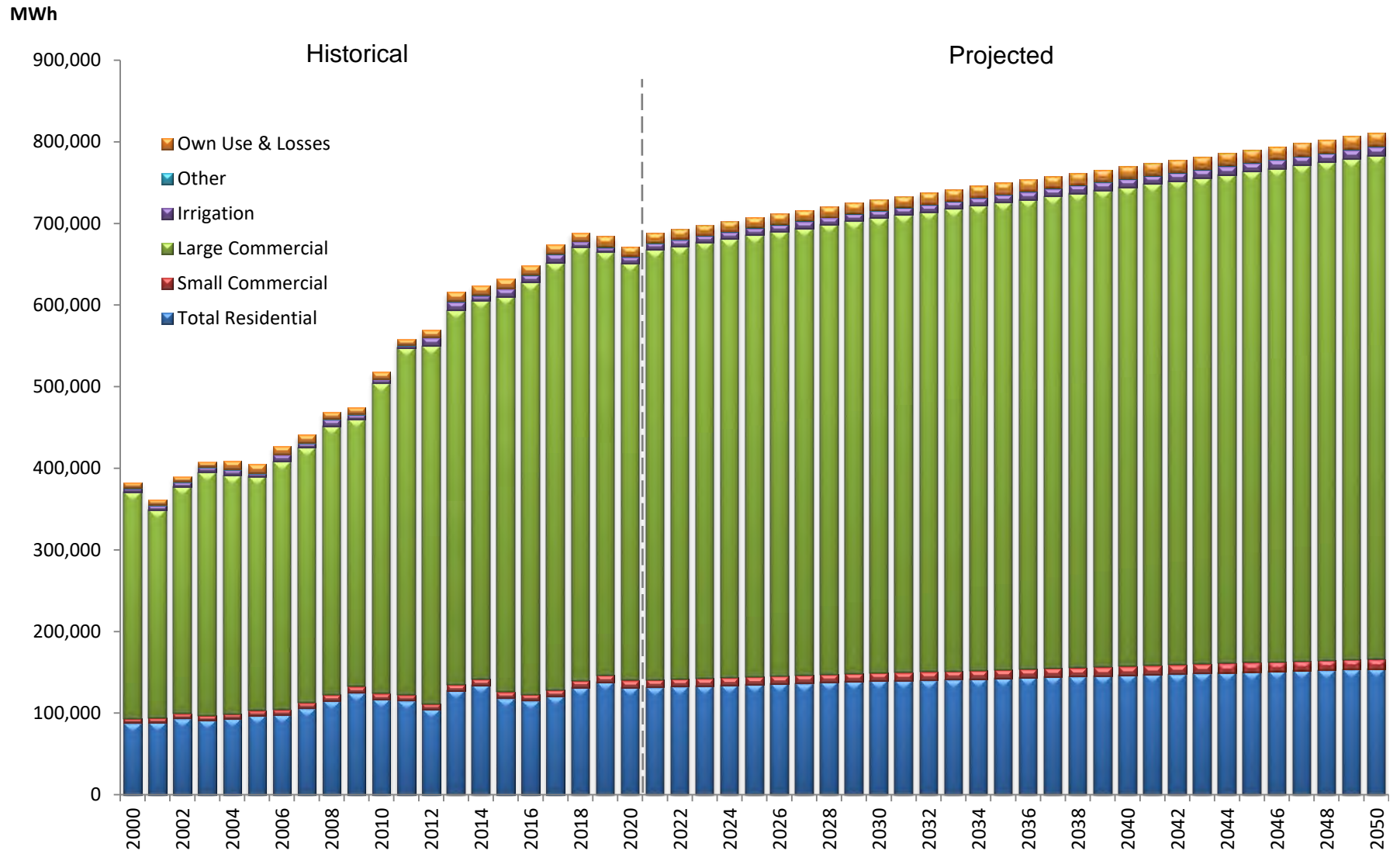
Historical Average Compound Growth Rates:

Projected Average Compound Growth Rates:

2000-2019	3.11%	2014-2019	1.86%
2020-2050	0.63%	2020-2025	1.04%

Dakota Valley Electric Cooperative

Annual Energy Requirements



MCLEAN ELECTRIC

2021 Load Forecast

SUMMARY

McLean Electric Cooperative

Demand Purchases (kW)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
H 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
i 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
s 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
o 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
r 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
i 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
s 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
o 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
r 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
i 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
c 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
a 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
l 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	24,947	23,735	21,764	17,483	15,126	16,499	19,364	21,041	17,858	19,932	21,735	24,796	244,279
2021	26,697	25,926	23,369	19,978	16,602	18,244	21,093	22,804	19,554	21,670	23,514	26,637	266,089
2022	27,035	26,249	23,652	20,201	16,765	18,417	21,321	23,064	19,750	21,908	23,791	26,974	269,126
2023	27,413	26,612	23,971	20,454	16,950	18,612	21,576	23,356	19,972	22,177	24,102	27,352	272,548
2024	27,804	26,338	24,300	20,717	17,141	18,815	21,840	23,657	20,201	22,456	24,424	27,742	275,436
2025	28,142	27,312	24,583	20,940	17,303	18,987	22,068	23,918	20,397	22,693	24,702	28,080	279,126
2026	28,498	27,653	24,882	21,177	17,476	19,170	22,308	24,192	20,604	22,945	24,994	28,435	282,335
2027	28,846	27,987	25,174	21,409	17,644	19,349	22,543	24,460	20,807	23,191	25,280	28,782	285,472
2028	29,206	27,635	25,477	21,649	17,819	19,534	22,786	24,737	21,018	23,447	25,576	29,141	288,022
2029	29,543	28,656	25,760	21,874	17,984	19,708	23,013	24,996	21,215	23,686	25,853	29,477	291,766
2030	29,837	28,936	26,005	22,065	18,122	19,856	23,211	25,223	21,383	23,891	26,093	29,771	294,391
P 2031	30,124	29,210	26,243	22,252	18,257	20,000	23,404	25,445	21,547	24,091	26,328	30,059	296,961
r 2032	30,397	28,734	26,471	22,430	18,386	20,138	23,588	25,656	21,704	24,281	26,551	30,332	298,667
o 2033	30,691	29,751	26,716	22,623	18,526	20,287	23,786	25,883	21,874	24,488	26,792	30,626	302,044
j 2034	30,999	30,046	26,974	22,826	18,674	20,444	23,994	26,120	22,052	24,704	27,045	30,934	304,811
e 2035	31,282	30,317	27,211	23,013	18,810	20,588	24,185	26,339	22,216	24,903	27,277	31,217	307,358
c 2036	31,580	29,827	27,460	23,210	18,953	20,740	24,386	26,568	22,388	25,113	27,521	31,514	309,260
t 2037	31,893	30,902	27,723	23,418	19,104	20,901	24,597	26,809	22,570	25,334	27,778	31,827	312,856
e 2038	32,212	31,208	27,990	23,630	19,258	21,065	24,812	27,055	22,756	25,560	28,040	32,145	315,730
d 2039	32,530	31,513	28,258	23,841	19,412	21,228	25,027	27,300	22,942	25,785	28,302	32,463	318,600
2040	32,852	31,005	28,529	24,057	19,569	21,394	25,244	27,548	23,130	26,014	28,567	32,785	320,695
2041	33,179	32,136	28,804	24,275	19,728	21,563	25,464	27,800	23,321	26,245	28,836	33,110	324,461
2042	33,518	32,462	29,089	24,502	19,894	21,738	25,693	28,061	23,520	26,486	29,115	33,449	327,527
2043	33,852	32,782	29,370	24,725	20,056	21,910	25,919	28,318	23,715	26,723	29,389	33,782	330,542
2044	34,180	32,235	29,645	24,944	20,215	22,079	26,140	28,571	23,906	26,955	29,659	34,109	332,637
2045	34,506	33,410	29,920	25,161	20,374	22,247	26,360	28,822	24,097	27,187	29,927	34,435	336,447
2046	34,852	33,742	30,211	25,392	20,542	22,425	26,593	29,089	24,299	27,432	30,212	34,780	339,570
2047	35,197	34,073	30,501	25,623	20,710	22,603	26,826	29,354	24,501	27,677	30,495	35,125	342,686
2048	35,527	33,484	30,778	25,843	20,870	22,773	27,049	29,609	24,694	27,911	30,767	35,454	344,759
2049	35,869	34,718	31,066	26,071	21,036	22,949	27,280	29,872	24,893	28,153	31,048	35,795	348,749
2050	36,210	35,044	31,352	26,298	21,202	23,124	27,509	30,134	25,092	28,394	31,328	36,135	351,822

McLean Electric Cooperative

Energy Purchases (MWh)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
Historical	2000	5,265	4,628	4,306	3,853	3,498	3,576	4,219	4,546	3,916	3,944	4,797	6,054	52,602
	2001	5,283	5,190	4,716	3,803	3,737	3,608	4,214	4,810	3,676	3,984	4,329	5,511	52,861
	2002	5,377	4,643	5,540	4,082	3,999	3,605	4,691	4,675	4,468	4,674	5,021	5,603	56,378
	2003	6,122	5,471	5,438	4,043	3,854	3,698	4,432	5,172	4,139	4,134	5,398	5,604	57,505
	2004	6,578	5,517	4,811	3,740	3,829	3,667	4,493	4,741	4,990	4,603	4,829	5,917	57,715
	2005	6,712	5,112	5,086	3,777	4,114	3,774	4,836	5,157	4,436	4,210	5,107	6,413	58,734
	2006	5,598	5,560	5,505	3,971	3,929	4,135	5,484	5,336	4,013	4,858	5,517	6,218	60,124
	2007	6,824	7,712	7,790	6,862	6,848	6,948	8,288	8,652	7,332	7,645	8,710	9,866	93,477
	2008	10,495	9,576	8,523	7,023	6,945	6,731	8,298	8,680	7,059	7,665	8,931	11,276	101,202
	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	
Projected	2020	14,651	13,062	11,959	9,620	9,523	9,472	11,542	12,178	10,309	11,201	12,889	14,722	141,128
	2021	15,343	13,545	12,867	10,875	10,224	10,387	12,346	12,997	11,073	12,004	13,708	15,596	150,965
	2022	15,535	13,713	13,019	10,995	10,328	10,489	12,475	13,139	11,185	12,132	13,871	15,791	152,672
	2023	15,746	13,899	13,186	11,127	10,443	10,600	12,616	13,296	11,307	12,273	14,051	16,006	154,550
	2024	15,961	14,087	13,356	11,262	10,560	10,714	12,760	13,456	11,432	12,416	14,234	16,225	156,463
	2025	16,156	14,258	13,509	11,384	10,665	10,817	12,891	13,601	11,545	12,546	14,400	16,422	158,194
	2026	16,357	14,434	13,668	11,510	10,774	10,923	13,026	13,751	11,662	12,680	14,571	16,627	159,983
	2027	16,553	14,606	13,822	11,632	10,880	11,027	13,156	13,896	11,775	12,811	14,737	16,825	161,720
	2028	16,753	14,782	13,981	11,758	10,989	11,133	13,291	14,045	11,892	12,944	14,908	17,029	163,505
	2029	16,941	14,947	14,130	11,876	11,091	11,232	13,417	14,185	12,001	13,070	15,068	17,220	165,178
	2030	17,116	15,100	14,268	11,985	11,186	11,325	13,534	14,315	12,102	13,186	15,217	17,398	166,732
	2031	17,287	15,250	14,402	12,092	11,278	11,415	13,648	14,442	12,201	13,300	15,361	17,571	168,247
	2032	17,448	15,391	14,530	12,193	11,366	11,500	13,756	14,562	12,295	13,408	15,499	17,735	169,683
	2033	17,619	15,541	14,665	12,300	11,459	11,591	13,871	14,689	12,394	13,522	15,644	17,909	171,204
	2034	17,797	15,697	14,805	12,412	11,555	11,685	13,990	14,821	12,497	13,640	15,796	18,090	172,785
	2035	17,961	15,841	14,934	12,514	11,644	11,771	14,100	14,943	12,592	13,749	15,935	18,256	174,240
	2036	18,131	15,990	15,069	12,621	11,736	11,861	14,214	15,069	12,691	13,863	16,080	18,429	175,754
	2037	18,308	16,145	15,209	12,732	11,832	11,955	14,332	15,201	12,794	13,981	16,230	18,609	177,328
	2038	18,488	16,303	15,351	12,844	11,930	12,050	14,453	15,335	12,898	14,101	16,384	18,792	178,929
	2039	18,668	16,461	15,493	12,957	12,027	12,145	14,573	15,468	13,002	14,220	16,536	18,975	180,525
	2040	18,848	16,619	15,635	13,070	12,125	12,240	14,694	15,602	13,107	14,340	16,689	19,158	182,127
	2041	19,030	16,778	15,779	13,184	12,224	12,337	14,816	15,738	13,213	14,462	16,844	19,343	183,748
	2042	19,219	16,944	15,928	13,302	12,327	12,437	14,943	15,879	13,322	14,588	17,005	19,535	185,429
	2043	19,406	17,108	16,076	13,419	12,428	12,536	15,068	16,017	13,431	14,713	17,164	19,725	187,091
	2044	19,589	17,269	16,221	13,534	12,527	12,633	15,191	16,154	13,537	14,835	17,320	19,911	188,721
	2045	19,772	17,429	16,365	13,649	12,627	12,730	15,313	16,290	13,643	14,957	17,476	20,097	190,348
	2046	19,966	17,599	16,518	13,770	12,731	12,832	15,443	16,434	13,756	15,086	17,641	20,294	192,070
	2047	20,159	17,768	16,671	13,891	12,836	12,934	15,572	16,577	13,868	15,215	17,805	20,490	193,786
	2048	20,344	17,931	16,817	14,007	12,937	13,032	15,696	16,715	13,975	15,338	17,962	20,679	195,433
	2049	20,536	18,099	16,968	14,127	13,041	13,133	15,825	16,857	14,086	15,466	18,125	20,873	197,136
	2050	20,727	18,267	17,119	14,246	13,144	13,234	15,953	16,999	14,197	15,593	18,288	21,068	198,835

McLean Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Year</u>	<u>Total Residential</u>	<u>Small Commercial</u>	<u>Large Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Total Sales</u>	<u>Own Use & Losses</u>	<u>Total Energy Requirements</u>
H i s t o r i c a l	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	
P r o j e c t e d	2020	54,212	20,418	51,487	2,048	6,269	134,434	6,694	141,128
	2021	55,362	20,922	59,538	2,048	6,269	144,139	6,829	150,968
	2022	56,472	21,387	59,538	2,048	6,269	145,714	6,959	152,673
	2023	57,716	21,879	59,538	2,048	6,269	147,450	7,101	154,551
	2024	59,023	22,339	59,538	2,048	6,269	149,217	7,246	156,463
	2025	60,153	22,809	59,538	2,048	6,269	150,817	7,377	158,194
	2026	61,319	23,296	59,538	2,048	6,269	152,470	7,513	159,983
	2027	62,488	23,732	59,538	2,048	6,269	154,075	7,645	161,720
	2028	63,669	24,203	59,538	2,048	6,269	155,727	7,780	163,507
	2029	64,810	24,606	59,538	2,048	6,269	157,271	7,907	165,178
	2030	65,866	24,988	59,538	2,048	6,269	158,709	8,025	166,734
	2031	66,906	25,346	59,538	2,048	6,269	160,107	8,140	168,247
	2032	67,921	25,658	59,538	2,048	6,269	161,434	8,248	169,682
	2033	69,017	25,969	59,538	2,048	6,269	162,841	8,364	171,205
	2034	70,143	26,303	59,538	2,048	6,269	164,301	8,483	172,784
	2035	71,198	26,593	59,538	2,048	6,269	165,646	8,594	174,240
	2036	72,305	26,884	59,538	2,048	6,269	167,044	8,709	175,753
	2037	73,459	27,187	59,538	2,048	6,269	168,501	8,828	177,329
	2038	74,572	27,554	59,538	2,048	6,269	169,981	8,950	178,931
	2039	75,714	27,886	59,538	2,048	6,269	171,455	9,070	180,525
	2040	76,857	28,222	59,538	2,048	6,269	172,934	9,192	182,126
	2041	78,019	28,559	59,538	2,048	6,269	174,433	9,315	183,748
	2042	79,196	28,938	59,538	2,048	6,269	175,989	9,442	185,431
	2043	80,389	29,278	59,538	2,048	6,269	177,522	9,568	187,090
	2044	81,554	29,619	59,538	2,048	6,269	179,028	9,692	188,720
	2045	82,719	29,959	59,538	2,048	6,269	180,533	9,815	190,348
	2046	83,930	30,339	59,538	2,048	6,269	182,124	9,946	192,070
	2047	85,175	30,679	59,538	2,048	6,269	183,709	10,076	193,785
	2048	86,357	31,020	59,538	2,048	6,269	185,232	10,201	195,433
	2049	87,596	31,356	59,538	2,048	6,269	186,807	10,330	197,137
	2050	88,817	31,706	59,538	2,048	6,269	188,378	10,459	198,837

Historical Average Compound Growth Rates:

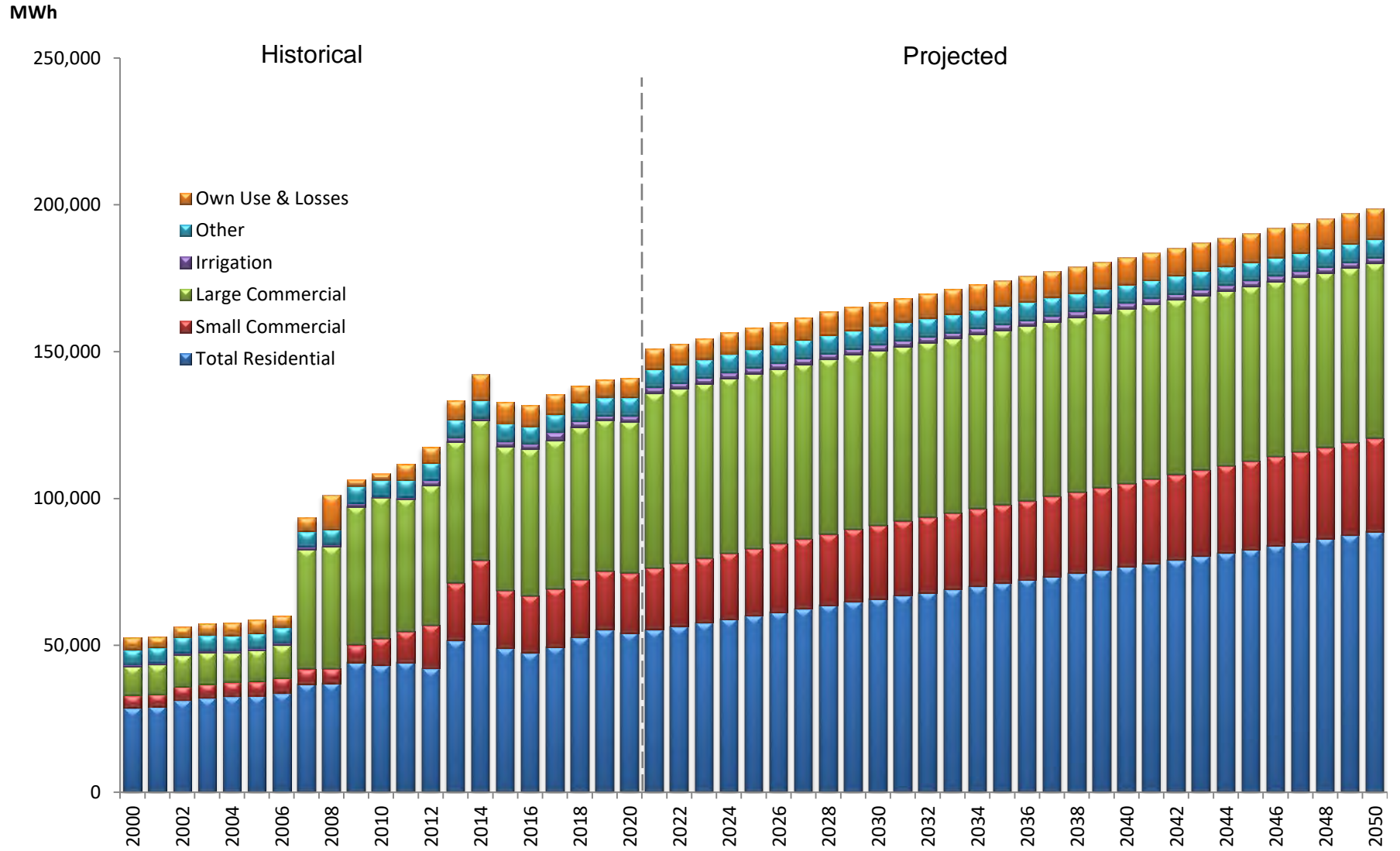
2000-2019	5.31%	2014-2019	-0.27%
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Projected Average Compound Growth Rates:

2019-2050	1.15%	2020-2025	2.31%
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McLean Electric Cooperative

Annual Energy Requirements



NORTH CENTRAL ELECTRIC

2021 Load Forecast

SUMMARY

North Central 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	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	
P r o j e c t e d	2020	59,695	48,369	48,629	42,070	27,615	24,532	24,113	27,574	26,406	37,897	47,110	59,128	473,138
	2021	59,943	50,296	48,817	42,217	27,704	24,610	24,195	27,672	26,497	38,038	47,296	59,374	476,659
	2022	60,375	50,654	49,161	42,507	27,889	24,774	24,359	27,862	26,678	38,304	47,633	59,803	479,999
	2023	60,807	51,012	49,506	42,800	28,078	24,941	24,526	28,055	26,860	38,571	47,969	60,231	483,356
	2024	61,322	49,668	49,922	43,156	28,309	25,146	24,729	28,288	27,083	38,893	48,373	60,741	485,630
	2025	61,646	51,709	50,176	43,366	28,441	25,263	24,847	28,426	27,213	39,088	48,623	61,063	489,861
	2026	62,047	52,040	50,495	43,635	28,613	25,416	25,000	28,603	27,381	39,334	48,934	61,460	492,958
	2027	62,415	52,345	50,788	43,882	28,772	25,556	25,141	28,765	27,535	39,560	49,221	61,825	495,805
	2028	62,801	50,850	51,097	44,144	28,941	25,706	25,290	28,937	27,698	39,799	49,522	62,207	496,992
	2029	63,194	52,993	51,413	44,412	29,114	25,860	25,442	29,113	27,866	40,043	49,829	62,597	501,876
	2030	63,468	53,215	51,623	44,582	29,218	25,951	25,537	29,225	27,970	40,203	50,037	62,869	503,898
	2031	63,653	53,364	51,762	44,690	29,282	26,008	25,597	29,297	28,036	40,307	50,175	63,053	505,224
	2032	63,847	51,675	51,910	44,808	29,354	26,071	25,663	29,375	28,109	40,418	50,322	63,245	504,797
	2033	64,012	53,654	52,036	44,908	29,414	26,124	25,718	29,441	28,170	40,513	50,447	63,410	507,847
	2034	64,286	53,880	52,251	45,087	29,527	26,223	25,819	29,558	28,281	40,678	50,658	63,682	509,930
	2035	64,480	54,038	52,402	45,210	29,603	26,291	25,888	29,640	28,357	40,793	50,807	63,874	511,383
	2036	64,839	52,462	52,688	45,452	29,759	26,429	26,026	29,798	28,508	41,014	51,086	64,230	512,291
	2037	65,087	54,540	52,885	45,616	29,864	26,521	26,119	29,907	28,610	41,166	51,278	64,476	516,069
	2038	65,357	54,765	53,100	45,798	29,980	26,625	26,222	30,026	28,724	41,332	51,489	64,744	518,162
	2039	65,617	54,980	53,308	45,973	30,093	26,724	26,322	30,141	28,833	41,492	51,691	65,001	520,175
	2040	65,884	53,299	53,522	46,156	30,210	26,829	26,426	30,261	28,947	41,658	51,900	65,266	520,358
	2041	66,119	55,397	53,710	46,315	30,313	26,920	26,516	30,365	29,046	41,803	52,083	65,499	524,086
	2042	66,494	55,710	54,012	46,573	30,480	27,068	26,664	30,535	29,208	42,037	52,377	65,870	527,028
	2043	66,766	55,936	54,230	46,759	30,600	27,175	26,770	30,657	29,324	42,206	52,589	66,140	529,152
	2044	67,024	54,214	54,437	46,934	30,714	27,275	26,869	30,772	29,433	42,366	52,791	66,395	529,224
	2045	67,303	56,383	54,661	47,125	30,837	27,385	26,978	30,897	29,553	42,540	53,009	66,672	533,343
	2046	67,650	56,673	54,941	47,364	30,992	27,522	27,114	31,054	29,702	42,757	53,281	67,016	536,066
	2047	67,991	56,957	55,215	47,598	31,143	27,656	27,248	31,207	29,848	42,969	53,548	67,354	538,734
	2048	68,200	55,160	55,382	47,739	31,234	27,737	27,328	31,300	29,936	43,098	53,711	67,561	538,386
	2049	68,533	57,408	55,650	47,967	31,382	27,868	27,458	31,450	30,079	43,306	53,971	67,891	542,963
	2050	68,953	57,758	55,989	48,257	31,570	28,035	27,624	31,640	30,260	43,569	54,301	68,308	546,264

North Central 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	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	32,818	28,534	25,547	20,519	16,583	14,654	15,364	16,975	17,333	21,824	27,006	32,132	269,289	
2021	33,007	28,698	25,693	20,637	16,678	14,738	15,452	17,072	17,432	21,949	27,161	32,316	270,833	
2022	33,273	28,929	25,901	20,804	16,813	14,857	15,577	17,210	17,573	22,126	27,380	32,577	273,020	
2023	33,533	29,155	26,103	20,966	16,944	14,973	15,699	17,344	17,710	22,299	27,594	32,831	275,151	
2024	33,831	29,414	26,334	21,152	17,094	15,106	15,838	17,498	17,867	22,497	27,839	33,123	277,593	
2025	34,044	29,600	26,501	21,286	17,202	15,201	15,938	17,609	17,980	22,639	28,015	33,332	279,347	
2026	34,291	29,814	26,693	21,440	17,327	15,312	16,054	17,736	18,110	22,803	28,218	33,574	281,372	
2027	34,517	30,010	26,869	21,581	17,441	15,412	16,159	17,853	18,230	22,953	28,403	33,794	283,222	
2028	34,749	30,212	27,049	21,726	17,558	15,516	16,268	17,973	18,352	23,107	28,594	34,021	285,125	
2029	34,982	30,415	27,231	21,872	17,676	15,620	16,377	18,094	18,475	23,262	28,786	34,250	287,040	
2030	35,178	30,586	27,384	21,995	17,775	15,708	16,469	18,195	18,579	23,393	28,948	34,442	288,652	
2031	35,323	30,711	27,496	22,085	17,848	15,772	16,536	18,270	18,655	23,489	29,066	34,583	289,834	
2032	35,466	30,836	27,608	22,175	17,921	15,836	16,604	18,344	18,731	23,584	29,184	34,724	291,013	
2033	35,589	30,943	27,703	22,252	17,983	15,891	16,661	18,408	18,796	23,666	29,286	34,844	292,022	
2034	35,769	31,100	27,844	22,364	18,074	15,971	16,745	18,501	18,891	23,786	29,434	35,021	293,500	
2035	35,902	31,215	27,947	22,447	18,141	16,031	16,808	18,570	18,961	23,874	29,543	35,151	294,590	
2036	36,121	31,405	28,117	22,584	18,251	16,128	16,910	18,683	19,077	24,020	29,723	35,365	296,384	
2037	36,277	31,540	28,238	22,681	18,330	16,198	16,983	18,763	19,159	24,123	29,851	35,517	297,660	
2038	36,442	31,685	28,367	22,785	18,414	16,272	17,061	18,849	19,246	24,234	29,988	35,680	299,023	
2039	36,601	31,822	28,491	22,884	18,494	16,343	17,135	18,931	19,330	24,339	30,118	35,835	300,323	
2040	36,760	31,960	28,614	22,983	18,574	16,414	17,209	19,013	19,414	24,445	30,249	35,990	301,625	
2041	36,900	32,083	28,724	23,071	18,645	16,476	17,275	19,086	19,488	24,538	30,365	36,128	302,779	
2042	37,118	32,272	28,893	23,207	18,755	16,574	17,377	19,199	19,603	24,683	30,544	36,341	304,566	
2043	37,279	32,412	29,019	23,308	18,837	16,646	17,452	19,282	19,688	24,790	30,677	36,499	305,889	
2044	37,433	32,546	29,139	23,404	18,915	16,714	17,524	19,362	19,770	24,892	30,803	36,650	307,152	
2045	37,599	32,690	29,268	23,508	18,998	16,788	17,602	19,447	19,857	25,002	30,939	36,812	308,510	
2046	37,801	32,866	29,425	23,635	19,101	16,879	17,697	19,552	19,964	25,137	31,106	37,010	310,173	
2047	38,001	33,040	29,581	23,759	19,201	16,968	17,790	19,655	20,070	25,270	31,270	37,206	311,811	
2048	38,128	33,151	29,680	23,839	19,266	17,025	17,850	19,721	20,137	25,355	31,375	37,330	312,857	
2049	38,323	33,320	29,832	23,961	19,364	17,112	17,941	19,822	20,240	25,484	31,536	37,521	314,456	
2050	38,566	33,531	30,021	24,113	19,487	17,220	18,055	19,948	20,368	25,646	31,735	37,759	316,449	

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	
Projected	2020	143,443	105,221	53	4,325	253,042	16,245	269,287
	2021	144,544	105,572	53	4,325	254,494	16,339	270,833
	2022	145,511	106,661	53	4,325	256,550	16,471	273,021
	2023	146,548	107,626	53	4,325	258,552	16,599	275,151
	2024	147,631	108,837	53	4,325	260,846	16,746	277,592
	2025	148,376	109,740	53	4,325	262,494	16,852	279,346
	2026	149,070	110,951	53	4,325	264,399	16,974	281,373
	2027	149,721	112,038	53	4,325	266,137	17,086	283,223
	2028	150,298	113,248	53	4,325	267,924	17,201	285,125
	2029	150,827	114,519	53	4,325	269,724	17,316	287,040
	2030	151,009	115,851	53	4,325	271,238	17,414	288,652
	2031	151,035	116,937	53	4,325	272,350	17,485	289,835
	2032	151,178	117,900	53	4,325	273,456	17,556	291,012
	2033	151,410	118,617	53	4,325	274,405	17,617	292,022
	2034	151,530	119,886	53	4,325	275,794	17,706	293,500
	2035	151,776	120,664	53	4,325	276,818	17,772	294,590
	2036	152,191	121,933	53	4,325	278,502	17,880	296,382
	2037	152,432	122,895	53	4,325	279,705	17,957	297,662
	2038	152,750	123,856	53	4,325	280,984	18,039	299,023
	2039	153,071	124,755	53	4,325	282,204	18,118	300,322
	2040	153,335	125,716	53	4,325	283,429	18,196	301,625
	2041	153,584	126,553	53	4,325	284,515	18,266	302,781
	2042	153,872	127,944	53	4,325	286,194	18,374	304,568
	2043	154,155	128,904	53	4,325	287,437	18,453	305,890
	2044	154,382	129,863	53	4,325	288,623	18,530	307,153
	2045	154,698	130,823	53	4,325	289,899	18,612	308,511
	2046	154,933	132,150	53	4,325	291,461	18,712	310,173
	2047	155,145	133,478	53	4,325	293,001	18,811	311,812
	2048	155,414	134,191	53	4,325	293,983	18,874	312,857
	2049	155,653	135,456	53	4,325	295,487	18,970	314,457
	2050	155,891	137,090	53	4,325	297,359	19,090	316,449

Historical Average Compound Growth Rates:

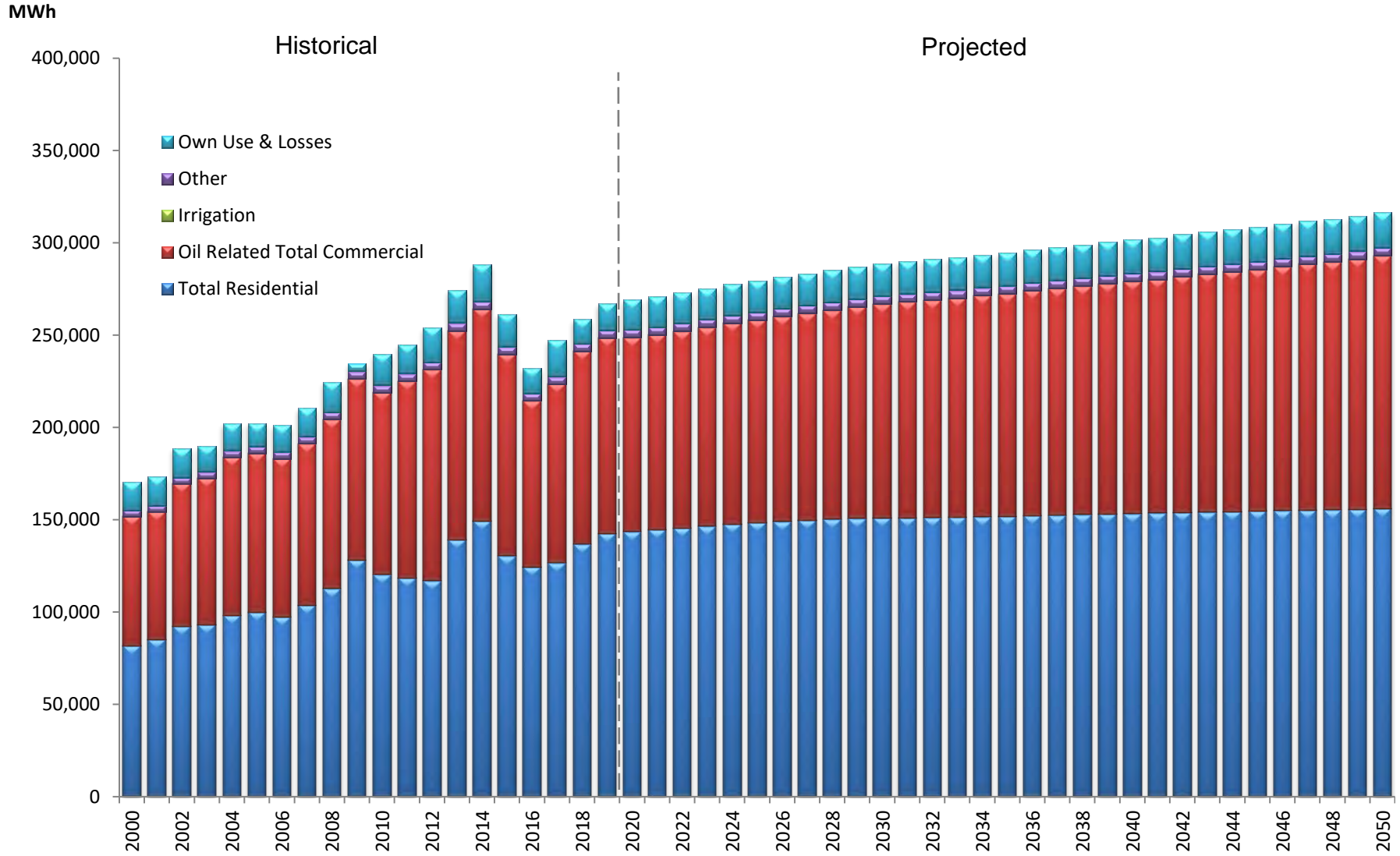
2000-2019	2.39%	2014-2019	-1.50%
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Projected Average Compound Growth Rates:

2020-2050	0.54%	2020-2025	0.74%
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North Central Electric Cooperative

Annual Energy Requirements



NORTHERN PLAINS ELECTRIC

2021 Load Forecast

SUMMARY

Northern Plains 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	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	50,113	47,994	50,113	49,572	66,168	86,669	89,453	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	88,072	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
P r o j e c t e d	2020	94,016	85,351	81,085	67,706	44,010	45,522	50,222	55,173	50,517	68,581	82,647	90,297	815,126
	2021	94,842	89,166	81,785	68,272	44,367	45,857	50,611	55,605	50,936	69,168	83,368	91,090	825,067
	2022	95,582	89,857	82,417	68,790	44,698	46,168	50,965	55,998	51,322	69,700	84,016	91,800	831,314
	2023	96,420	90,641	83,135	69,384	45,081	46,526	51,370	56,447	51,764	70,306	84,751	92,605	838,429
	2024	97,263	88,279	83,860	69,986	45,470	46,890	51,779	56,900	52,212	70,918	85,491	93,414	842,463
	2025	97,955	92,075	84,448	70,464	45,773	47,174	52,107	57,264	52,567	71,412	86,095	94,078	851,410
	2026	98,704	92,775	85,088	70,990	46,109	47,489	52,466	57,662	52,957	71,951	86,751	94,797	857,740
	2027	99,415	93,439	85,697	71,491	46,431	47,790	52,807	58,041	53,330	72,464	87,374	95,480	863,760
	2028	100,084	90,820	86,268	71,962	46,733	48,074	53,129	58,397	53,680	72,946	87,960	96,122	866,174
	2029	100,685	94,626	86,783	72,387	47,006	48,329	53,418	58,718	53,996	73,380	88,487	96,699	874,516
	2030	101,222	95,120	87,233	72,743	47,226	48,536	53,666	58,993	54,259	73,756	88,953	97,214	878,921
	2031	101,825	95,677	87,742	73,151	47,480	48,775	53,947	59,306	54,560	74,181	89,478	97,792	883,913
	2032	102,454	92,941	88,274	73,580	47,750	49,028	54,242	59,634	54,878	74,628	90,027	98,396	885,833
	2033	103,050	96,812	88,778	73,987	48,006	49,269	54,522	59,945	55,179	75,050	90,546	98,967	894,113
	2034	103,668	97,387	89,303	74,413	48,276	49,521	54,815	60,270	55,495	75,491	91,086	99,561	899,285
	2035	104,305	97,980	89,845	74,855	48,556	49,784	55,118	60,606	55,823	75,947	91,643	100,173	904,635
	2036	104,939	95,171	90,385	75,296	48,837	50,047	55,419	60,940	56,150	76,400	92,197	100,780	906,560
	2037	105,537	99,128	90,895	75,713	49,102	50,296	55,705	61,257	56,460	76,830	92,720	101,355	914,998
	2038	106,211	99,757	91,471	76,186	49,405	50,580	56,028	61,615	56,811	77,315	93,310	102,002	920,692
	2039	106,861	100,363	92,026	76,642	49,697	50,854	56,339	61,961	57,150	77,782	93,879	102,625	926,180
	2040	107,454	97,438	92,534	77,060	49,965	51,105	56,624	62,277	57,461	78,210	94,399	103,196	927,725
	2041	108,160	101,579	93,139	77,560	50,287	51,406	56,965	62,654	57,833	78,720	95,018	103,873	937,195
	2042	108,849	102,223	93,729	78,047	50,600	51,699	57,296	63,022	58,195	79,218	95,622	104,534	943,032
	2043	109,557	102,885	94,335	78,548	50,922	52,001	57,638	63,400	58,568	79,729	96,242	105,214	949,040
	2044	110,277	99,988	94,952	79,057	51,250	52,308	57,985	63,785	58,947	80,250	96,874	105,905	951,577
	2045	110,926	104,166	95,508	79,515	51,543	52,583	58,297	64,131	59,288	80,718	97,442	106,528	960,643
	2046	111,653	104,846	96,131	80,030	51,874	52,893	58,648	64,520	59,671	81,244	98,080	107,227	966,816
	2047	112,418	105,562	96,787	80,571	52,222	53,219	59,016	64,928	60,074	81,797	98,751	107,961	973,307
	2048	113,175	102,606	97,436	81,107	52,567	53,542	59,381	65,333	60,472	82,344	99,414	108,688	976,064
	2049	113,874	106,924	98,034	81,600	52,883	53,838	59,717	65,705	60,839	82,848	100,026	109,359	985,647
	2050	114,692	107,689	98,735	82,179	53,256	54,187	60,112	66,143	61,270	83,439	100,743	110,144	992,589

Northern Plains 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	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	52,378	46,320	43,376	34,810	27,965	27,833	31,979	33,606	29,537	37,909	46,082	50,580	462,375	
2021	52,910	46,791	43,817	35,164	28,249	28,090	32,277	33,920	29,837	38,295	46,550	51,094	466,994	
2022	53,358	47,187	44,188	35,461	28,488	28,306	32,528	34,184	30,089	38,619	46,944	51,526	470,878	
2023	53,849	47,621	44,595	35,788	28,750	28,542	32,803	34,474	30,366	38,974	47,376	52,000	475,138	
2024	54,332	48,048	44,994	36,108	29,008	28,775	33,074	34,759	30,638	39,323	47,801	52,466	479,326	
2025	54,766	48,432	45,354	36,397	29,240	28,984	33,317	35,015	30,883	39,638	48,183	52,886	483,095	
2026	55,218	48,831	45,728	36,697	29,481	29,201	33,570	35,282	31,138	39,965	48,580	53,322	487,013	
2027	55,642	49,207	46,079	36,979	29,708	29,406	33,807	35,532	31,377	40,272	48,953	53,731	490,693	
2028	56,039	49,558	46,408	37,243	29,920	29,597	34,030	35,766	31,601	40,559	49,303	54,115	494,139	
2029	56,394	49,872	46,703	37,479	30,109	29,768	34,229	35,976	31,801	40,816	49,615	54,458	497,220	
2030	56,769	50,203	47,013	37,728	30,309	29,949	34,439	36,197	32,013	41,087	49,945	54,820	500,472	
P r o j e c t e d	2031	57,171	50,559	47,346	37,995	30,524	30,143	34,664	36,434	32,239	41,378	50,298	55,208	503,959
	2032	57,580	50,921	47,684	38,267	30,742	30,340	34,893	36,676	32,470	41,675	50,658	55,603	507,509
	2033	57,965	51,261	48,003	38,523	30,948	30,525	35,109	36,903	32,687	41,953	50,997	55,975	510,849
	2034	58,357	51,608	48,328	38,784	31,157	30,714	35,328	37,134	32,908	42,237	51,342	56,353	514,250
	2035	58,755	51,960	48,658	39,048	31,370	30,906	35,551	37,369	33,133	42,525	51,692	56,738	517,705
	2036	59,146	52,305	48,981	39,308	31,578	31,094	35,770	37,600	33,353	42,808	52,036	57,115	521,094
	2037	59,514	52,631	49,286	39,553	31,775	31,272	35,976	37,817	33,561	43,074	52,360	57,471	524,290
	2038	59,920	52,990	49,622	39,822	31,992	31,467	36,204	38,057	33,789	43,368	52,717	57,862	527,810
	2039	60,310	53,335	49,945	40,081	32,200	31,655	36,422	38,287	34,009	43,650	53,060	58,239	531,193
	2040	60,665	53,648	50,239	40,317	32,389	31,826	36,621	38,496	34,209	43,907	53,372	58,582	534,271
	2041	61,079	54,015	50,582	40,593	32,610	32,026	36,853	38,741	34,443	44,207	53,737	58,982	537,868
	2042	61,485	54,373	50,918	40,862	32,827	32,221	37,080	38,980	34,672	44,500	54,094	59,374	541,386
	2043	61,901	54,742	51,263	41,139	33,049	32,422	37,313	39,226	34,907	44,802	54,460	59,776	545,000
	2044	62,325	55,116	51,614	41,420	33,275	32,626	37,551	39,476	35,146	45,108	54,833	60,185	548,675
	2045	62,711	55,458	51,933	41,677	33,482	32,812	37,767	39,704	35,363	45,388	55,172	60,558	552,025
	2046	63,139	55,837	52,288	41,962	33,710	33,018	38,007	39,957	35,605	45,698	55,549	60,971	555,741
	2047	63,588	56,234	52,660	42,260	33,950	33,234	38,258	40,222	35,858	46,023	55,944	61,405	559,636
	2048	64,034	56,628	53,029	42,556	34,188	33,449	38,508	40,485	36,109	46,345	56,336	61,835	563,502
	2049	64,448	56,994	53,372	42,832	34,409	33,649	38,740	40,729	36,343	46,646	56,701	62,236	567,099
2050	64,927	57,418	53,769	43,150	34,665	33,880	39,009	41,012	36,613	46,992	57,123	62,698	571,256	

Northern Plains Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Year</u>	<u>Total Residential</u>	<u>Small Commercial</u>	<u>Large Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Total Sales</u>	<u>Own Use & Losses</u>	<u>Total Energy Requirements</u>
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	
Projected	2020	240,892	23,183	120,008	4,340	56,917	445,340	17,035	462,375
	2021	244,164	23,544	120,770	4,389	56,917	449,784	17,208	466,992
	2022	247,164	23,866	121,140	4,438	56,917	453,525	17,354	470,879
	2023	250,385	24,189	121,647	4,488	56,917	457,626	17,514	475,140
	2024	253,529	24,491	122,180	4,537	56,917	461,654	17,671	479,325
	2025	256,042	24,789	122,949	4,586	56,917	465,283	17,812	483,095
	2026	258,639	25,077	123,785	4,635	56,917	469,053	17,959	487,012
	2027	261,192	25,352	124,450	4,685	56,917	472,596	18,097	490,693
	2028	263,377	25,613	125,273	4,734	56,917	475,914	18,226	494,140
	2029	265,587	25,849	125,745	4,783	56,917	478,881	18,342	497,223
	2030	266,716	26,064	127,478	4,833	56,917	482,008	18,463	500,471
	2031	268,048	26,258	129,260	4,882	56,917	485,365	18,594	503,959
	2032	269,391	26,442	131,100	4,931	56,917	488,781	18,727	507,508
	2033	270,494	26,616	132,989	4,980	56,917	491,996	18,852	510,848
	2034	271,619	26,769	134,936	5,030	56,917	495,271	18,980	514,251
	2035	272,745	26,911	136,942	5,079	56,917	498,594	19,109	517,703
	2036	273,751	27,054	139,007	5,128	56,917	501,857	19,236	521,093
	2037	274,532	27,176	141,131	5,177	56,917	504,933	19,356	524,289
	2038	275,566	27,297	143,313	5,227	56,917	508,320	19,488	527,808
	2039	276,421	27,398	145,565	5,276	56,917	511,577	19,615	531,192
	2040	276,922	27,499	147,876	5,325	56,917	514,539	19,730	534,269
2041	277,854	27,600	150,256	5,375	56,917	518,002	19,865	537,867	
2042	278,651	27,691	152,705	5,424	56,917	521,388	19,997	541,385	
2043	279,462	27,782	155,233	5,473	56,917	524,867	20,133	545,000	
2044	280,261	27,873	157,831	5,522	56,917	528,404	20,270	548,674	
2045	280,670	27,963	160,507	5,572	56,917	531,629	20,396	552,025	
2046	281,361	28,044	163,263	5,621	56,917	535,206	20,535	555,741	
2047	282,136	28,134	166,099	5,670	56,917	538,956	20,681	559,637	
2048	282,800	28,215	169,023	5,720	56,917	542,675	20,826	563,501	
2049	283,121	28,295	172,037	5,769	56,917	546,139	20,961	567,100	
2050	283,879	28,386	175,140	5,818	56,917	550,140	21,117	571,257	

Historical Average Compound Growth Rates:

2000-2019	2.33%	2014-2019	-0.37%
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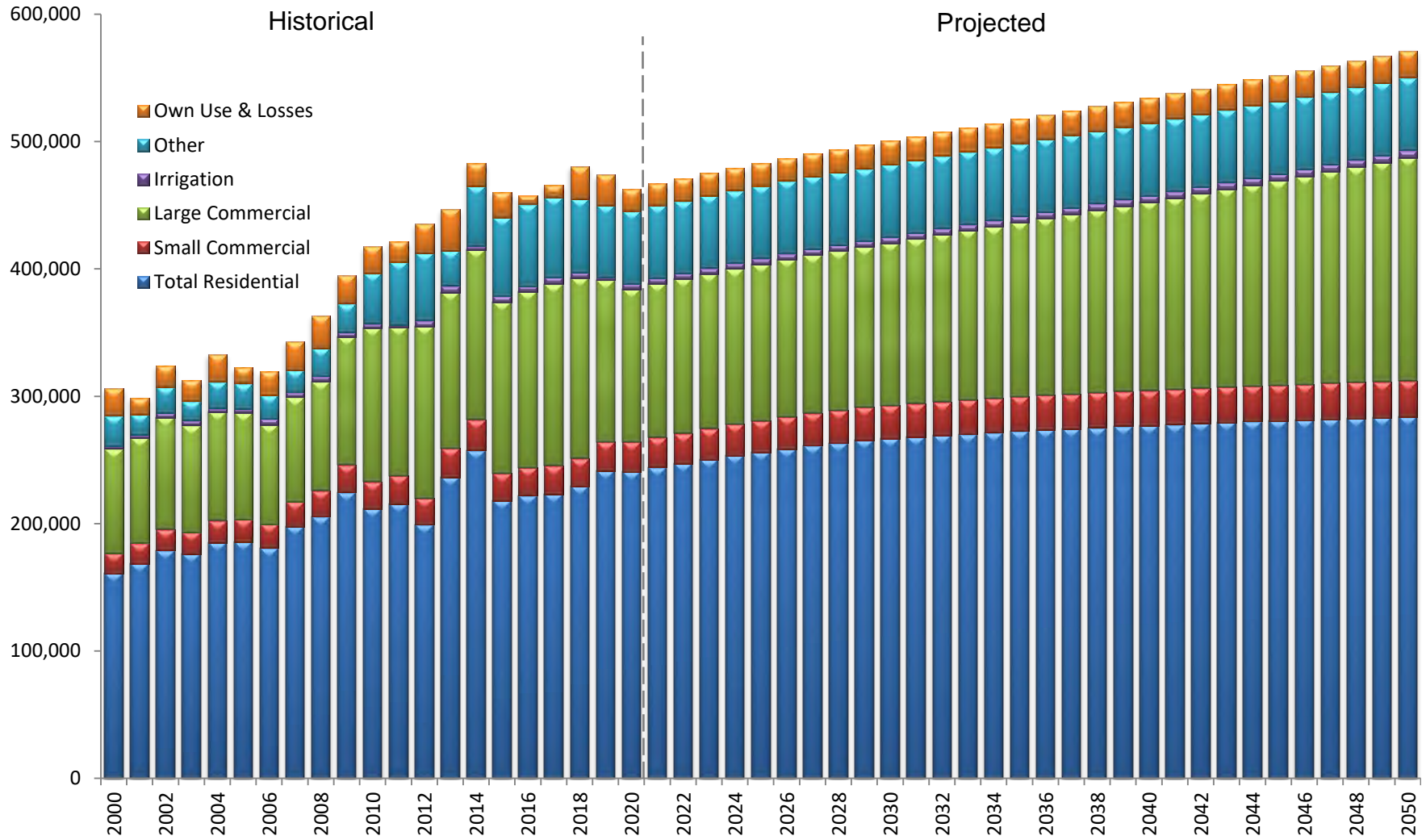
Projected Average Compound Growth Rates:

2020-2050	0.71%	2020-2025	0.88%
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Northern Plains Electric Cooperative

Annual Energy Requirements

MWh



VERENDRYE ELECTRIC

2021 Load Forecast

SUMMARY

Verendrye 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	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	
P r o j e c t e d	2020	121,190	113,597	102,808	86,089	66,076	70,370	76,293	83,991	77,434	84,752	97,518	116,483	1,096,603
	2021	125,227	120,264	106,103	88,998	68,983	73,038	78,785	86,531	79,745	87,778	100,947	120,500	1,136,898
	2022	129,317	124,244	109,775	92,282	71,840	76,995	82,622	90,527	83,573	92,264	105,729	125,713	1,184,880
	2023	133,843	128,654	113,852	95,944	75,041	79,302	85,067	93,144	86,013	93,874	107,656	128,101	1,220,490
	2024	136,256	127,210	115,839	97,537	76,193	80,554	86,448	94,692	87,393	95,415	109,499	130,384	1,237,418
	2025	138,413	133,012	117,608	98,943	77,207	81,661	87,679	96,068	88,611	96,780	111,139	132,424	1,259,544
	2026	140,494	134,994	119,315	100,304	78,189	82,732	88,866	97,397	89,789	98,100	112,722	134,392	1,277,294
	2027	142,650	137,050	121,087	101,718	79,210	83,845	90,098	98,776	91,015	99,470	114,365	136,431	1,295,716
	2028	144,722	135,000	122,790	103,079	80,193	84,915	91,283	100,102	92,193	100,788	115,944	138,391	1,309,399
	2029	146,727	140,938	124,438	104,396	81,144	85,951	92,429	101,385	93,334	102,064	117,473	140,287	1,330,565
	2030	148,703	142,815	126,052	105,670	82,061	86,955	93,552	102,640	94,437	103,304	118,968	142,155	1,347,311
	2031	150,388	144,415	127,426	106,751	82,838	87,808	94,508	103,708	95,372	104,358	120,240	143,748	1,361,560
	2032	152,098	141,772	128,823	107,852	83,631	88,676	95,480	104,793	96,325	105,429	121,533	145,365	1,371,777
	2033	153,823	147,679	130,233	108,966	84,432	89,554	96,461	105,889	97,289	106,513	122,839	146,996	1,390,675
	2034	155,603	149,372	131,688	110,119	85,263	90,462	97,474	107,021	98,286	107,633	124,188	148,678	1,405,788
	2035	157,392	151,073	133,153	111,280	86,100	91,377	98,493	108,160	99,291	108,762	125,546	150,370	1,420,996
	2036	159,174	148,271	134,614	112,439	86,936	92,290	99,509	109,297	100,295	109,888	126,899	152,056	1,431,668
	2037	160,983	154,493	136,096	113,618	87,786	93,218	100,541	110,450	101,316	111,032	128,274	153,766	1,451,574
	2038	162,794	156,218	137,582	114,800	88,639	94,148	101,574	111,606	102,340	112,179	129,651	155,479	1,467,009
	2039	164,644	157,980	139,100	116,009	89,511	95,100	102,630	112,788	103,387	113,351	131,058	157,228	1,482,786
	2040	166,476	154,987	140,605	117,210	90,378	96,045	103,676	113,959	104,427	114,515	132,454	158,961	1,493,692
	2041	168,328	161,492	142,126	118,424	91,254	97,000	104,735	115,143	105,478	115,692	133,864	160,713	1,514,249
	2042	170,194	163,271	143,659	119,647	92,137	97,962	105,801	116,336	106,538	116,878	135,286	162,478	1,530,186
	2043	172,078	165,066	145,206	120,881	93,028	98,933	106,877	117,541	107,607	118,074	136,720	164,259	1,546,271
	2044	173,964	161,878	146,755	122,117	93,920	99,905	107,954	118,746	108,677	119,272	138,156	166,043	1,557,386
	2045	175,882	168,692	148,330	123,374	94,827	100,894	109,049	119,973	109,766	120,490	139,617	167,857	1,578,751
	2046	177,815	170,534	149,917	124,640	95,741	101,890	110,153	121,208	110,862	121,717	141,089	169,684	1,595,251
	2047	179,784	172,411	151,534	125,930	96,672	102,905	111,278	122,467	111,980	122,968	142,588	171,547	1,612,063
	2048	181,780	169,071	153,173	127,237	97,616	103,934	112,418	123,742	113,112	124,235	144,108	173,434	1,623,861
	2049	183,798	176,238	154,831	128,559	98,570	104,974	113,571	125,033	114,257	125,517	145,646	175,344	1,646,338
	2050	185,875	178,217	156,537	129,920	99,552	106,045	114,757	126,361	115,435	126,836	147,227	177,308	1,664,070

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	30,362	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	
P r o j e c t e d	2020	67,700	61,056	56,744	46,026	40,651	38,363	44,229	45,147	41,108	47,561	55,627	65,640	609,852
	2021	69,880	62,712	58,489	47,110	41,692	40,403	46,524	46,524	42,362	49,267	57,598	67,916	629,913
	2022	72,118	64,808	60,480	48,852	43,328	42,527	48,066	48,625	44,372	51,677	60,203	70,744	655,800
	2023	74,575	67,111	62,672	50,778	45,141	43,806	49,460	50,014	45,666	52,613	61,347	72,127	675,310
	2024	75,937	68,329	63,784	51,637	45,892	44,535	50,299	50,848	46,408	53,502	62,433	73,439	687,043
	2025	77,193	69,451	64,809	52,428	46,585	45,207	51,072	51,618	47,093	54,321	63,435	74,650	697,862
	2026	78,394	70,524	65,789	53,185	47,247	45,850	51,812	52,353	47,748	55,105	64,392	75,807	708,206
	2027	79,629	71,627	66,797	53,964	47,928	46,511	52,572	53,110	48,421	55,911	65,377	76,997	718,844
	2028	80,814	72,686	67,764	54,711	48,582	47,145	53,302	53,836	49,067	56,684	66,322	78,140	729,053
	2029	81,959	73,710	68,698	55,433	49,213	47,758	54,007	54,537	49,691	57,431	67,235	79,243	738,915
	2030	83,138	74,763	69,660	56,176	49,863	48,389	54,733	55,259	50,334	58,200	68,175	80,379	749,069
	2031	84,157	75,673	70,492	56,818	50,425	48,934	55,360	55,883	50,889	58,865	68,988	81,361	757,845
	2032	85,182	76,590	71,329	57,464	50,990	49,483	55,992	56,511	51,449	59,534	69,806	82,350	766,680
	2033	86,210	77,508	72,167	58,112	51,557	50,033	56,625	57,141	52,009	60,205	70,625	83,340	775,532
	2034	87,261	78,447	73,025	58,775	52,137	50,596	57,272	57,784	52,582	60,891	71,463	84,353	784,586
	2035	88,313	79,387	73,884	59,438	52,717	51,159	57,920	58,429	53,155	61,577	72,302	85,367	793,648
	2036	89,356	80,319	74,735	60,095	53,292	51,717	58,562	59,068	53,724	62,257	73,134	86,372	802,631
	2037	90,408	81,260	75,594	60,758	53,873	52,280	59,211	59,712	54,298	62,944	73,973	87,387	811,698
	2038	91,459	82,199	76,451	61,421	54,452	52,843	59,858	60,356	54,871	63,630	74,811	88,399	820,750
	2039	92,529	83,154	77,324	62,095	55,042	53,415	60,516	61,011	55,454	64,328	75,664	89,430	829,962
	2040	93,581	84,095	78,183	62,758	55,622	53,978	61,164	61,656	56,028	65,014	76,503	90,444	839,026
	2041	94,645	85,045	79,051	63,429	56,209	54,548	61,819	62,307	56,607	65,708	77,351	91,469	848,188
	2042	95,717	86,003	79,926	64,104	56,800	55,121	62,479	62,964	57,192	66,408	78,206	92,502	857,422
	2043	96,799	86,970	80,809	64,787	57,397	55,701	63,146	63,627	57,782	67,114	79,069	93,546	866,747
	2044	97,883	87,939	81,694	65,470	57,994	56,281	63,813	64,290	58,373	67,821	79,934	94,590	876,082
	2045	98,985	88,924	82,593	66,165	58,602	56,871	64,492	64,966	58,974	68,540	80,813	95,653	885,578
	2046	100,096	89,916	83,500	66,865	59,215	57,465	65,176	65,646	59,580	69,265	81,699	96,724	895,147
	2047	101,228	90,928	84,424	67,579	59,839	58,071	65,874	66,340	60,197	70,004	82,601	97,815	904,900
	2048	102,376	91,954	85,361	68,302	60,472	58,686	66,580	67,043	60,823	70,753	83,517	98,921	914,788
	2049	103,538	92,991	86,308	69,034	61,113	59,307	67,296	67,754	61,456	71,511	84,443	100,040	924,791
	2050	104,732	94,059	87,283	69,787	61,772	59,946	68,031	68,486	62,107	72,290	85,395	101,191	935,079

Verendrye Electric Cooperative

System Energy Requirements by Consumer Classification (MWh)

	<u>Year</u>	<u>Total Residential</u>	<u>Small Commercial</u>	<u>Large Commercial</u>	<u>Irrigation</u>	<u>Other</u>	<u>Total Sales</u>	<u>Own Use & Losses</u>	<u>Total Energy Requirements</u>
H i s t o r i c a l	2000	103,405	25,767	91,168	1,756	92,167	314,263	13,487	327,750
	2001	107,774	25,812	95,972	1,684	92,710	323,952	10,479	334,431
	2002	115,075	26,762	98,229	1,935	88,673	330,674	11,624	342,298
	2003	118,258	27,417	96,819	2,294	88,713	333,501	14,666	348,167
	2004	119,713	27,377	102,577	2,042	85,147	336,856	13,985	350,841
	2005	125,671	28,522	112,323	1,929	85,771	354,216	6,617	360,833
	2006	130,065	28,580	124,262	2,942	86,691	372,540	12,697	385,237
	2007	141,014	30,300	131,162	3,039	86,301	391,816	12,439	404,255
	2008	151,493	31,906	152,307	2,928	86,730	425,364	11,752	437,116
	2009	162,630	34,289	152,033	2,850	88,323	440,125	12,337	452,462
	2010	167,465	36,411	163,651	1,906	90,452	459,885	11,110	470,995
	2011	181,639	38,345	171,036	2,027	93,267	486,314	18,384	504,698
	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	
P r o j e c t e d	2020	226,621	41,611	235,422	3,252	83,868	590,774	19,078	609,852
	2021	235,688	42,142	245,209	3,326	83,868	610,233	19,681	629,914
	2022	241,250	42,658	264,500	3,399	83,868	635,675	20,124	655,799
	2023	248,103	43,168	276,101	3,473	83,868	654,713	20,597	675,310
	2024	255,036	43,673	279,873	3,547	83,868	665,997	21,046	687,043
	2025	261,261	44,170	283,479	3,621	83,868	676,399	21,460	697,859
	2026	267,013	44,660	287,112	3,695	83,868	686,348	21,856	708,204
	2027	273,145	45,143	290,656	3,769	83,868	696,581	22,263	718,844
	2028	279,045	45,619	294,025	3,843	83,868	706,400	22,654	729,054
	2029	284,704	46,085	297,311	3,917	83,868	715,885	23,031	738,916
	2030	290,534	46,544	300,712	3,991	83,868	725,649	23,420	749,069
	2031	295,029	46,995	304,133	4,065	83,868	734,090	23,756	757,846
	2032	299,545	47,438	307,597	4,138	83,868	742,586	24,094	766,680
	2033	304,032	47,872	311,114	4,212	83,868	751,098	24,432	775,530
	2034	308,708	48,296	314,649	4,286	83,868	759,807	24,779	784,586
	2035	313,370	48,712	318,211	4,360	83,868	768,521	25,126	793,647
	2036	317,942	49,119	321,799	4,434	83,868	777,162	25,469	802,631
	2037	322,546	49,516	325,443	4,508	83,868	785,881	25,816	811,697
	2038	327,125	49,905	329,106	4,582	83,868	794,586	26,163	820,749
	2039	331,785	50,285	332,852	4,656	83,868	803,446	26,515	829,961
	2040	336,307	50,659	336,601	4,730	83,868	812,165	26,862	839,027
	2041	340,874	51,025	340,405	4,803	83,868	820,975	27,213	848,188
	2042	345,462	51,385	344,263	4,877	83,868	829,855	27,566	857,421
	2043	350,074	51,739	348,191	4,951	83,868	838,823	27,923	866,746
	2044	354,674	52,089	352,146	5,025	83,868	847,802	28,280	876,082
	2045	359,370	52,433	356,164	5,099	83,868	856,934	28,644	885,578
	2046	364,072	52,773	360,252	5,173	83,868	866,138	29,010	895,148
	2047	368,891	53,109	364,401	5,247	83,868	875,516	29,383	904,899
	2048	373,770	53,442	368,625	5,321	83,868	885,026	29,761	914,787
	2049	378,693	53,772	372,918	5,395	83,868	894,646	30,144	924,790
	2050	383,810	54,100	377,294	5,468	83,868	904,540	30,538	935,078

Historical Average Compound Growth Rates:

2000-2019	3.40%	2014-2019	0.10%
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Projected Average Compound Growth Rates:

2020-2050	1.43%	2020-2025	2.73%
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Verendrye Electric Cooperative

Annual Energy Requirements

