Big Sandy Rural Electric Cooperative Corporation

2020 Load Forecast

November 2020

Prepared by: EKPC's Load Forecasting Department

Big Sandy RECC
A Touchstone Energy® Cooperative

EAST KENTUCKY POWER COOPERATIVE
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Table of Contents

	Page Number
Introduction and Executive Summary	3
Narrative	9
Key Assumptions	11
Methodology and Results	15
- Residential Forecast	18
- Small Commercial	20
- Large Commercial	22
- Peak Day Weather Scenarios	24

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Introduction
Executive Summary

Big Sandy Rural Electric Cooperative Corporation (Big Sandy RECC), located in Paintsville, Kentucky, is an electric distribution cooperative that serves members in seven counties. This load forecast report contains Big Sandy RECC's long-range forecast of energy and peak demand.

Big Sandy RECC and its power supplier, East Kentucky Power Cooperative (EKPC), worked jointly to prepare the load forecast. Factors considered in preparing the forecast include the national and local economy, population and housing trends, service area industrial development, electric price, household income, weather, and appliance efficiency changes.

EKPC prepared a preliminary load forecast, which was reviewed by Big Sandy RECC for reasonability. Final projections reflect a rigorous analysis of historical data combined with the experience and judgment of the President/General Manager and staff of Big Sandy RECC. Key assumptions are reported beginning on page 11.

Executive Summary *(continued)*

The load forecast is prepared every two years as part of the overall planning cycle at EKPC and Big Sandy RECC. Cooperation helps to ensure that the forecast meets both parties' needs. Big Sandy RECC uses the forecast in developing three-year work plans, long-range work plans, and financial forecasts. EKPC uses the forecast in areas of generation planning, transmission planning, demand-side planning, marketing analysis, and financial forecasting.

The complete load forecast for Big Sandy RECC is reported in Table 1-1 on pages 5 and 6. Residential and commercial sales, total purchases, winter and summer peak demands, and load factor are presented for the years 2010 through 2040.

Table 1-1
MWh Summary

Year	Residential Sales (MWh)	Seasonal Sales (MWh)	Small Comm. Sales (MWh)	Public Buildings (MWh)	Large Comm. Sales (MWh)	Public Street and Highway Lighting (MWh)	Total Sales (MWh)	Office Use (MWh)	% Loss	Purchased Power (MWh)
2010	197,250	0	62,654	0	4,855	0	264,759	12	5.4	279,740
2011	179,541	0	62,871	0	5,133	0	247,544	0	5.6	262,343
2012	172,953	0	58,700	0	6,030	0	237,683	0	5.6	251,868
2013	178,643	0	59,126	0	6,286	0	244,056	0	5.9	259,254
2014	180,609	0	57,576	0	6,163	0	244,348	0	5.7	259,080
2015	170,067	0	51,323	0	6,245	0	227,635	0	5.7	241,377
2016	168,118	0	48,236	0	6,165	0	222,519	0	5.6	235,603
2017	155,202	0	46,788	0	6,113	0	208,103	0	5.6	220,560
2018	171,979	0	47,615	0	6,185	0	225,779	0	5.5	238,929
2019	161,822	0	47,154	0	6,066	0	215,043	0	5.5	227,583
2020	160,691	0	42,577	0	6,259	0	209,526	0	5.6	221,913
2021	162,885	0	46,326	0	6,332	0	215,542	0	5.6	228,284
2022	162,079	0	47,199	0	6,451	0	215,729	0	5.6	228,482
2023	161,023	0	47,825	0	6,537	0	215,385	0	5.6	228,118
2024	160,644	0	48,216	0	6,590	0	215,451	0	5.6	228,188
2025	159,570	0	48,531	0	6,633	0	214,734	0	5.6	227,428
2026	159,528	0	48,834	0	6,675	0	215,037	0	5.6	227,749
2027	159,776	0	49,110	0	6,713	0	215,598	0	5.6	228,344
2028	160,434	0	49,355	0	6,746	0	216,534	0	5.6	229,335
2029	160,676	0	49,594	0	6,779	0	217,048	0	5.6	229,879
2030	160,789	0	49,842	0	6,813	0	217,444	0	5.6	230,298
2031	161,114	0	50,118	0	6,850	0	218,082	0	5.6	230,974
2032	161,819	0	50,425	0	6,892	0	219,137	0	5.6	232,091
2033	162,518	0	50,725	0	6,933	0	220,176	0	5.6	233,192
2034	163,495	0	51,025	0	6,974	0	221,494	0	5.6	234,588
2035	164,469	0	51,319	0	7,014	0	222,802	0	5.6	235,973
2036	165,116	0	51,593	0	7,052	0	223,760	0	5.6	236,988
2037	165,750	0	51,858	0	7,088	0	224,696	0	5.6	237,979
2038	166,358	0	52,111	0	7,123	0	225,591	0	5.6	238,927
2039	166,955	0	52,363	0	7,157	0	226,475	0	5.6	239,864
2040	167,545	0	52,647	0	7,196	0	227,388	0	5.6	240,831

Table 1-1 *(continued)*

Peaks Summary

	Winter		***Summer***					
Season	Non-Coincident Peak Demand (MW)	Year	Non-Coincident Peak Demand (MW)	Year	Purchased Power (MWh)	Load Factor (%)	Temperature at time of Winter Peak	Temperature at time of Summer Peak
2009 - 10	71.1	2010	55.1	2010	279,740	44.9%	5° F	95° F
2010 - 11	77.1	2011	56.6	2011	262,343	38.8%	13° F	91° F
2011 - 12	64.2	2012	53.9	2012	251,868	44.6%	17° F	103° F
2012 - 13	66.6	2013	50.7	2013	259,254	44.4%	10° F	89° F
2013 - 14	85.7	2014	46.5	2014	259,080	34.5%	-1° F	89° F
2014 - 15	90.8	2015	46.4	2015	241,377	30.3%	-7° F	90° F
2015- 16	66.1	2016	46.8	2016	235,603	40.6%	6° F	94° F
2016 - 17	60.2	2017	46.2	2017	220,560	41.8%	8° F	92° F
2017 - 18	75.3	2018	46.6	2018	238,929	36.2%	0° F	93° F
2018 - 19	67.7	2019	45.6	2019	227,583	38.4%	4° F	91° F
2019 - 20	59.5	2020	46.6	2020	221,913	42.4%	15° F	93° F
2020 - 21	70.5	2021	48.4	2021	228,284	36.9%		
2021 - 22	70.5	2022	48.5	2022	228,482	37.0%		
2022 - 23	70.3	2023	48.5	2023	228,118	37.0%		
2023 - 24	70.3	2024	48.4	2024	228,188	37.0%		
2024 - 25	69.9	2025	48.2	2025	227,428	37.2%		
2025 - 26	69.8	2026	48.2	2026	227,749	37.3%		
2026 - 27	69.8	2027	48.3	2027	228,344	37.4%		
2027 - 28	70.0	2028	48.4	2028	229,335	37.3%		
2028 - 29	69.9	2029	48.4	2029	229,879	37.6%		
2029 - 30	69.7	2030	48.4	2030	230,298	37.7%		
2030 - 31	69.6	2031	48.5	2031	230,974	37.9%		
2031 - 32	69.9	2032	48.8	2032	232,091	37.8%		
2032 - 33	69.9	2033	48.9	2033	233,192	38.1%		
2033 - 34	70.1	2034	49.1	2034	234,588	38.2%		
2034 - 35	70.3	2035	49.3	2035	235,973	38.3%		
2035 - 36	70.8	2036	49.7	2036	236,988	38.1%		
2036 - 37	70.9	2037	49.9	2037	237,979	38.3%		
2037 - 38	71.1	2038	50.1	2038	238,927	38.4%		
2038 - 39	71.6	2039	50.4	2039	239,864	38.2%		
2039 - 40	72.3	2040	50.7	2040	240,831	37.9%		

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Executive Summary *(continued)*

Overall Results

- Total sales are projected to grow by 0.4 percent a year for the period 2020-2040, compared to a 0.3 percent growth projected in the 2018 load forecast for the period 2018-2038. Results shown in Table 1-2.

- Winter peak demands are projected to increase 0.1 percent over the 19 year forecast (2021-2040). Summer peak demands for the same period indicate growth of 0.2 percent.

- Load factor decreases from 36.9% to 37.9% through the forecast period.

Executive Summary *(continued)*

Overall Results – Table 1-2

	Time Period	Residential	Small Commercial	Large Commercial	Total Sales
5-Year	2014 - 2019	-2.2%	-3.9%	-0.3%	-2.5%
	2020 - 2025	-0.1%	2.7%	1.2%	0.5%
10-Year	2009 - 2019	-1.2%	-3.2%	0.9%	-1.6%
	2020 - 2030	0.0%	1.6%	0.9%	0.4%
15-Year	2004 - 2019	-0.6%	-2.7%	0.2%	-1.1%
	2020 - 2035	0.2%	1.3%	0.8%	0.4%
20-Year	1999 - 2019	0.1%	-0.5%	-6.4%	-0.4%
	2020 - 2040	0.2%	1.1%	0.7%	0.4%

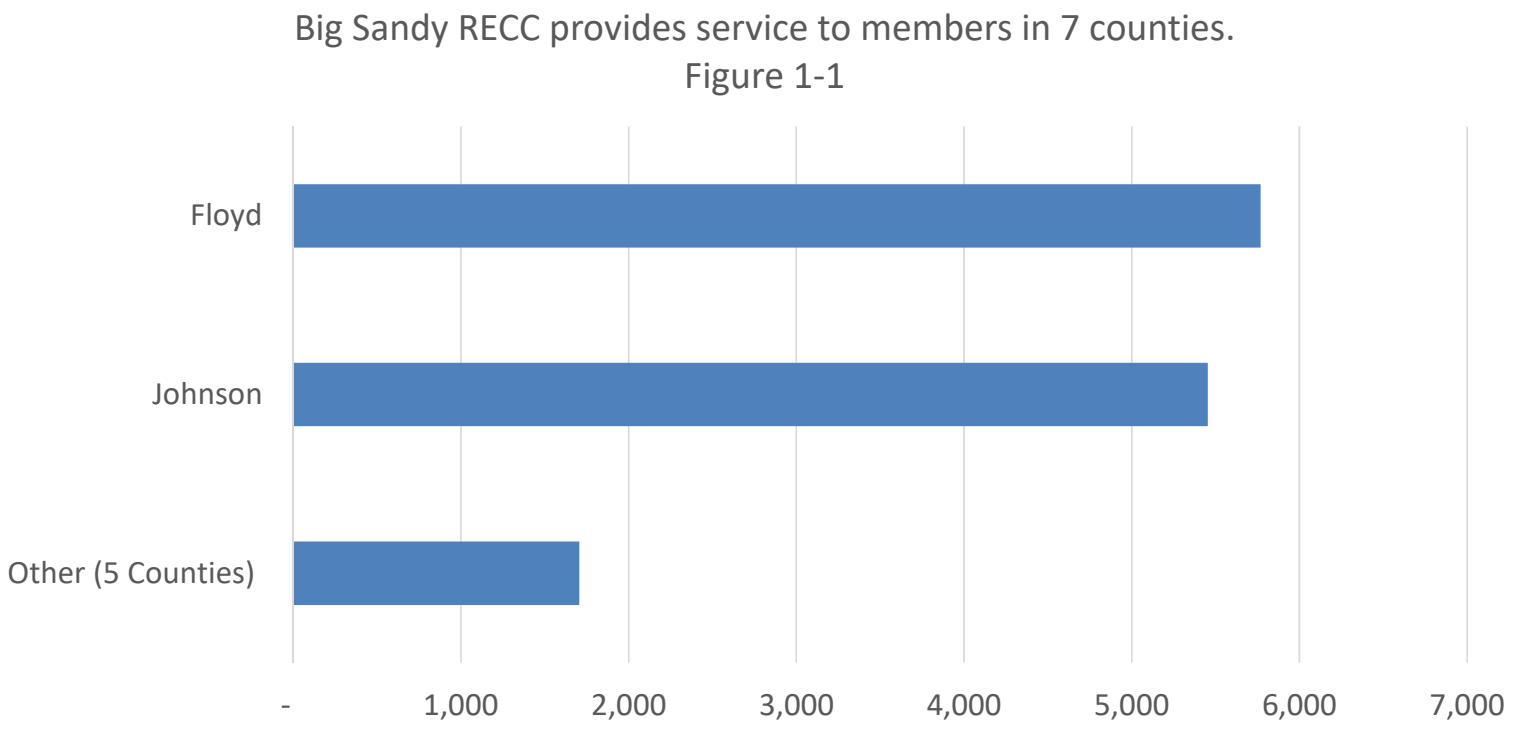
Narrative

Population trends of the area indicate slight decreases in the next 20 years. The bulk of the population resides in the rural areas and Big Sandy RECC should receive its share of future services. See Figure 1-1 for a graph showing members served by county.

The average household contains 2.15 people and approximately 81 percent of all homes are headed by someone age 55 or greater.

Narrative *(continued)*

Counties Served



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Key Assumptions

Economic History and Forecast
Table 1-3

	Time Period	Population	Households	Total Employment	Total Real Personal Income
5 Year Growth Rates	2014 - 2019	-1.1%	-1.0%	-1.8%	1.4%
	2020 - 2025	-0.8%	-0.3%	1.9%	1.8%
10 Year Growth Rates	2009 - 2019	-0.8%	-0.7%	-1.8%	1.3%
	2020 - 2030	-0.6%	-0.1%	1.0%	2.7%
15 Year Growth Rates	2004 - 2019	-0.7%	-0.6%	-1.4%	2.6%
	2020 - 2035	-0.5%	0.0%	0.8%	3.0%
20 Year Growth Rates	1999 - 2019	-0.6%	-0.4%	-0.9%	3.0%
	2020 - 2040	-0.5%	0.0%	0.7%	3.1%

- *EKPC's source for economic forecasts is IHS Global Insight. Total Real Personal Income is reported in millions of 2005 dollars. Growth rates shown are Compound Annual Growth Rates.*

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Key Assumptions *(continued)*
Appliance Saturations

- 60% of customers use electric as a primary fuel for heating, while 20% use it as a secondary fuel.
  - 17% use electric furnaces and 50% use electric heat pumps.
- 81% of customers use central air and 18% use electric/window units.
- 86% of customers use electric water heaters.
- These saturations are not expected to change significantly by 2040.

Key Assumptions *(continued)*

Saturation Rates – Percent of Homes with One or More Non-HVAC Appliances

- Electric Range 81%
- Freezer 58%
- Smart TV 71%

Appliance Efficiency Projections

- Energy Information Association (EIA) projects appliance efficiencies each year.
- Similar to last year's projections, heating and cooling equipment show slow but steady increase.
- Water heater efficiency is remaining relatively flat.

Key Assumptions *(continued)*

Weather

- Weather data is from the Jackson weather station.

- Normal weather, a 20-year average of historical temperatures, is assumed for the forecast years.

Methodology and Results

Introduction

This section briefly describes the methodology used to develop the load forecast and presents results in tabular form for residential and commercial classifications. Table 1-4 reports historical data for Big Sandy RECC as reported on RUS 7.

Typically, a preliminary forecast is prepared during the first quarter depending on when Big Sandy RECC experiences its winter peak. The first step is modeling the regional economy. Employment and real gross county product are among the areas analyzed. The regional model results are used in combination with the historical billing information, appliance saturation data, appliance efficiency data, and weather data to develop the long range forecast.

Table 1-4 Big Sandy RECC Comparative Annual Operating Data

Year	kWh Purchased And Generated	Change	kWh Sold	Change	kWh Loss	% Loss	Peak Demand (MW)	Annual Load Factor	Average Number Of Consumers	Miles Of Line	Consumers Per Mile	Cost Of Purchased Power	Cents / kWh
2010	279,740,416	4.1%	264,758,696	4.6%	14,958,520	5.3%	75.2	42.5%	13,226	1,027	12.9	$18,296,515	6.5
2011	262,343,267	-6.2%	247,543,743	-6.5%	14,773,960	5.6%	71.3	42.0%	13,213	1,030	12.8	$18,824,313	7.2
2012	251,868,257	-4.0%	237,682,688	-4.0%	14,152,393	5.6%	61.8	46.6%	13,199	1,033	12.8	$18,308,406	7.3
2013	259,254,083	2.9%	244,055,511	2.7%	15,171,045	5.9%	61.3	48.3%	13,177	1,035	12.7	$18,915,951	7.3
2014	259,080,265	-0.1%	244,347,739	0.1%	14,707,208	5.7%	82.8	35.7%	13,102	1,034	12.7	$19,111,224	7.4
2015	241,376,801	-6.8%	227,634,942	-6.8%	13,716,303	5.7%	89.6	30.7%	13,053	1,037	12.6	$17,190,536	7.1
2016	235,603,266	-2.4%	222,519,388	-2.2%	13,058,333	5.5%	65.0	41.4%	12,987	1,038	12.5	$16,239,864	6.9
2017	220,559,577	-6.4%	208,102,946	-6.5%	12,432,509	5.6%	58.7	42.9%	12,939	1,037	12.5	$15,297,334	6.9
2018	238,928,865	8.3%	225,779,190	8.5%	13,127,463	5.5%	74.4	36.6%	12,866	1,035	12.4	$16,283,925	6.8
2019	227,582,952	-4.7%	215,042,606	-4.8%	12,520,722	5.5%	67.4	38.5%	12,759	1,036	12.3	$15,515,672	6.8
Average						5.6%							6.6

EAST KENTUCKY POWER COOPERATIVE
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Methodology and Results *(continued)*

The preliminary forecast was presented to Big Sandy RECC staff. Changes were made to the forecast as needed based on new information, such as new large loads or subdivisions. In some cases, other assumptions were based on insights from Big Sandy RECC staff.

Methodology and Results *(continued)*

Residential Forecast

Residential customers are analyzed by means of regression analysis with resulting coefficients used to prepare customer projections. Regressions for residential customers are typically a function of regional economic and demographic variables. Two variables that are very significant are the numbers of households by county and the percent of total households served by the member cooperative. Table 1-5 report Big Sandy RECC's customer forecast.

The residential energy sales were analyzed by means of regression analysis, as a function of residential customers, base 60 heating degree days, base 65 cooling degree days and projected residential rates. Table 1-5 reports Big Sandy RECC's energy forecast.

Table 1-5
Residential Summary

	Customers			Use Per Customer			Class Sales		
	Annual Average	Annual Change	% Change	Monthly Average (kWh)	Change (kWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
2010	12,113	-8	-0.1	1,357	103	8.2	197,250	14,868	8.2
2011	12,102	-11	-0.1	1,236	-121	-8.9	179,541	-17,709	-9.0
2012	12,093	-9	-0.1	1,192	-44	-3.6	172,953	-6,587	-3.7
2013	12,080	-13	-0.1	1,232	41	3.4	178,643	5,690	3.3
2014	12,015	-65	-0.5	1,253	20	1.6	180,609	1,966	1.1
2015	11,960	-55	-0.5	1,185	-68	-5.4	170,067	-10,541	-5.8
2016	11,893	-67	-0.6	1,178	-7	-0.6	168,118	-1,949	-1.1
2017	11,848	-45	-0.4	1,092	-86	-7.3	155,202	-12,916	-7.7
2018	11,796	-52	-0.4	1,215	123	11.3	171,979	16,777	10.8
2019	11,705	-91	-0.8	1,152	-63	-5.2	161,822	-10,157	-5.9
2020	11,693	-12	-0.1	1,145	-7	-0.6	160,691	-1,131	-0.7
2021	11,683	-10	-0.1	1,162	17	1.5	162,885	2,194	1.4
2022	11,674	-9	-0.1	1,157	-5	-0.4	162,079	-806	-0.5
2023	11,665	-9	-0.1	1,150	-7	-0.6	161,023	-1,055	-0.7
2024	11,658	-7	-0.1	1,148	-2	-0.2	160,644	-379	-0.2
2025	11,654	-4	0.0	1,141	-7	-0.6	159,570	-1,075	-0.7
2026	11,657	3	0.0	1,140	-1	-0.1	159,528	-42	0.0
2027	11,662	5	0.0	1,142	1	0.1	159,776	248	0.2
2028	11,667	5	0.0	1,146	4	0.4	160,434	658	0.4
2029	11,671	4	0.0	1,147	1	0.1	160,676	243	0.2
2030	11,675	4	0.0	1,148	0	0.0	160,789	113	0.1
2031	11,680	5	0.0	1,149	2	0.2	161,114	325	0.2
2032	11,688	8	0.1	1,154	4	0.4	161,819	705	0.4
2033	11,697	9	0.1	1,158	4	0.4	162,518	699	0.4
2034	11,704	7	0.1	1,164	6	0.5	163,495	977	0.6
2035	11,710	6	0.1	1,170	6	0.5	164,469	974	0.6
2036	11,715	5	0.0	1,175	4	0.4	165,116	647	0.4
2037	11,718	3	0.0	1,179	4	0.4	165,750	634	0.4
2038	11,720	2	0.0	1,183	4	0.3	166,358	608	0.4
2039	11,721	1	0.0	1,187	4	0.4	166,955	597	0.4
2040	11,721	0	0.0	1,191	4	0.4	167,545	590	0.4

Methodology and Results *(continued)*

Small Commercial Forecast

Small commercial sales are projected using two equations: a customer equation and a small commercial sales equation. Both are determined through regression analysis and utilize inputs relating to the economy, electric price, and the residential customer forecast. Small commercial projections are reported in Table 1-6.

Table 1-6
Small Commercial Summary

	Customers			Use Per Customer			Class Sales		
	Annual Average	Annual Change	% Change	Annual Average (MWh)	Change (MWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
2010	1,111	-11	-1.0	56	-2	-2.9	62,654	-2,513	-3.9
2011	1,110	-1	-0.1	57	0	0.4	62,871	217	0.3
2012	1,105	-5	-0.5	53	-4	-6.2	58,700	-4,171	-6.6
2013	1,096	-9	-0.8	54	1	1.6	59,126	426	0.7
2014	1,086	-10	-0.9	53	-1	-1.7	57,576	-1,550	-2.6
2015	1,092	6	0.6	47	-6	-11.4	51,323	-6,253	-10.9
2016	1,093	1	0.1	44	-3	-6.1	48,236	-3,086	-6.0
2017	1,090	-3	-0.3	43	-1	-2.7	46,788	-1,448	-3.0
2018	1,069	-21	-1.9	45	2	3.8	47,615	827	1.8
2019	1,053	-16	-1.5	45	0	0.5	47,154	-461	-1.0
2020	1,049	-4	-0.4	41	-4	-9.4	42,577	-4,577	-9.7
2021	1,049	0	0.0	44	4	8.8	46,326	3,749	8.8
2022	1,049	0	0.0	45	1	1.9	47,199	873	1.9
2023	1,049	0	0.0	46	1	1.3	47,825	626	1.3
2024	1,049	0	0.0	46	0	0.8	48,216	392	0.8
2025	1,049	0	0.0	46	0	0.7	48,531	314	0.7
2026	1,049	0	0.0	47	0	0.6	48,834	303	0.6
2027	1,049	0	0.0	47	0	0.6	49,110	276	0.6
2028	1,050	1	0.1	47	0	0.4	49,355	244	0.5
2029	1,050	0	0.0	47	0	0.5	49,594	239	0.5
2030	1,051	1	0.1	47	0	0.4	49,842	249	0.5
2031	1,052	1	0.1	48	0	0.5	50,118	276	0.6
2032	1,053	1	0.1	48	0	0.5	50,425	307	0.6
2033	1,053	0	0.0	48	0	0.6	50,725	299	0.6
2034	1,054	1	0.1	48	0	0.5	51,025	300	0.6
2035	1,055	1	0.1	49	0	0.5	51,319	294	0.6
2036	1,055	0	0.0	49	0	0.5	51,593	274	0.5
2037	1,055	0	0.0	49	0	0.5	51,858	266	0.5
2038	1,056	1	0.1	49	0	0.4	52,111	253	0.5
2039	1,056	0	0.0	50	0	0.5	52,363	253	0.5
2040	1,056	0	0.0	50	0	0.5	52,647	284	0.5

Methodology and Results *(continued)*

Large Commercial Forecast

Large commercial customers are those with loads 1 MW or greater. Big Sandy RECC currently has 1 customer in this class and is projected to remain at 1 in 2040. Large commercial results are reported in Table 1-7.

Table 1-7
Large Commercial Summary

	Customers			*Use Per Customer*			*Class Sales*		
	Annual Average	Annual Change	% Change	Annual Average (MWh)	Change (MWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
2010	1	0	0.0	4,855	-671	-12.1	4,855	-671	-12.1
2011	1	0	0.0	5,133	278	5.7	5,133	278	5.7
2012	1	0	0.0	6,030	897	17.5	6,030	897	17.5
2013	1	0	0.0	6,286	256	4.3	6,286	256	4.3
2014	1	0	0.0	6,163	-123	-2.0	6,163	-123	-2.0
2015	1	0	0.0	6,245	82	1.3	6,245	82	1.3
2016	1	0	0.0	6,165	-80	-1.3	6,165	-80	-1.3
2017	1	0	0.0	6,113	-52	-0.8	6,113	-52	-0.8
2018	1	0	0.0	6,185	72	1.2	6,185	72	1.2
2019	1	0	0.0	6,066	-119	-1.9	6,066	-119	-1.9
2020	1	0	0.0	6,259	192	3.2	6,259	192	3.2
2021	1	0	0.0	6,332	73	1.2	6,332	73	1.2
2022	1	0	0.0	6,451	119	1.9	6,451	119	1.9
2023	1	0	0.0	6,537	86	1.3	6,537	86	1.3
2024	1	0	0.0	6,590	54	0.8	6,590	54	0.8
2025	1	0	0.0	6,633	43	0.7	6,633	43	0.7
2026	1	0	0.0	6,675	41	0.6	6,675	41	0.6
2027	1	0	0.0	6,713	38	0.6	6,713	38	0.6
2028	1	0	0.0	6,746	33	0.5	6,746	33	0.5
2029	1	0	0.0	6,779	33	0.5	6,779	33	0.5
2030	1	0	0.0	6,813	34	0.5	6,813	34	0.5
2031	1	0	0.0	6,850	38	0.6	6,850	38	0.6
2032	1	0	0.0	6,892	42	0.6	6,892	42	0.6
2033	1	0	0.0	6,933	41	0.6	6,933	41	0.6
2034	1	0	0.0	6,974	41	0.6	6,974	41	0.6
2035	1	0	0.0	7,014	40	0.6	7,014	40	0.6
2036	1	0	0.0	7,052	37	0.5	7,052	37	0.5
2037	1	0	0.0	7,088	36	0.5	7,088	36	0.5
2038	1	0	0.0	7,123	35	0.5	7,123	35	0.5
2039	1	0	0.0	7,157	35	0.5	7,157	35	0.5
2040	1	0	0.0	7,196	39	0.5	7,196	39	0.5

Methodology and Results *(continued)*

Peak Day Weather Scenarios

Extreme temperatures can dramatically influence Big Sandy RECC's peak demands. Table 1-8 reports the impact of extreme weather on system demands.

Table 1-8: Seasonal Peaks by Weather Scenario

Winter Peak Day Minimum Temperatures					
	Mild	Normal		**Extreme**	
Degrees	10	1	-7	-10	-15
Probability	*99%*	*50%*	*20%*	*10%*	*3%*
Occurs Once Every		**2 Years**	**5 Years**	**10 Years**	**30 Years**
Non-Coincident Winter Peak Demand - MW					
Season	Mild	Normal		Extreme	
2020 - 21	64	71	76	78	82
2021 - 22	64	70	76	78	82
2022 - 23	64	70	76	78	81
2023 - 24	64	70	76	78	81
2024 - 25	64	70	75	77	81
2025 - 26	64	70	75	77	81
2026 - 27	64	70	75	77	81
2027 - 28	64	70	76	78	81
2028 - 29	64	70	75	77	81
2029 - 30	63	70	75	77	81
2030 - 31	63	70	75	77	81
2031 - 32	64	70	75	78	81
2032 - 33	64	70	75	77	81
2033 - 34	64	70	76	78	81
2034 - 35	64	70	76	78	81
2035 - 36	65	71	76	78	82
2036 - 37	65	71	76	78	82
2037 - 38	65	71	77	79	82
2038 - 39	65	72	77	79	83
2039 - 40	66	72	78	80	83

Summer Peak Day Maximum Temperatures				
	Normal		**Extreme**	
Degrees	94	97	99	101
Probability	*50%*	*20%*	*10%*	*3%*
	2 Years	**5 Years**	**10 Years**	**30 Years**
Non-Coincident Summer Peak Demand - MW				
Year	Normal		Extreme	
2021	48	52	54	56
2022	49	52	54	56
2023	48	52	54	56
2024	48	52	54	56
2025	48	51	54	56
2026	48	51	54	56
2027	48	51	54	56
2028	48	52	54	56
2029	48	52	54	56
2030	48	52	54	56
2031	49	52	54	56
2032	49	52	54	56
2033	49	52	54	56
2034	49	52	54	57
2035	49	53	55	57
2036	50	53	55	57
2037	50	53	55	57
2038	50	53	55	58
2039	50	54	56	58
2040	51	54	56	58

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