




Minnkota Power COOPERATIVE

A Touchstone Energy® Cooperative 

June 28, 2018



Secretary to the Commission
North Dakota Public Service Commission
State Capitol Building
Bismarck, North Dakota 58505

Dear Sir:

In accordance with Section 49-22-04 of the North Dakota Century Code, Square Butte Electric Cooperative herewith files the enclosed Ten-Year Plan with the North Dakota Public Service Commission.

Any questions concerning the contents of the enclosed document should be directed to me.

Sincerely,

MINNKOTA POWER COOPERATIVE, INC.

Jamie Overgaard
Rates, Load and Planning Manager

Enclosure

TEN-YEAR PLAN



Square Butte
ELECTRIC COOPERATIVE

Grand Forks, North Dakota

Prepared for the North Dakota Public Service Commission
Pursuant to Section 49-22-04 of the
North Dakota Century Code

MPC
RATES, LOAD AND PLANNING DEPARTMENT

July 2018

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SQUARE BUTTE ELECTRIC COOPERATIVE

TEN-YEAR PLAN

INTRODUCTION

Square Butte Electric Cooperative was organized in May 1972 as a cooperative corporation under the laws of the State of North Dakota.

Square Butte was organized principally to finance and arrange for the construction and operation of the Milton R. Young Unit 2, a 455 MW steam electric generator and a 463 mile \pm 250 kilovolt D.C. transmission line from its generating unit (located near Center, North Dakota) to Duluth, Minnesota.

Currently, 78.02 percent of the electrical energy produced by Young 2 is sold to Minnkota and the balance is sold to Minnesota Power.

On December 31, 2009 Square Butte sold its D.C. line to Minnesota Power. As part of the sale of the D.C. line, Minnkota began receiving an increasing allocation of Young 2 electrical output beginning in mid-2014 when a new 345 kV transmission line from Center to Grand Forks was completed. Minnkota's allocation will increase, in varying increments, until 2026, at which point Minnkota will receive 100 percent of the electrical energy produced by Young 2.

SECTION A: Existing Energy Conversion Facilities

1. See Exhibit I
2. None

SECTION B: Energy Conversion Facilities Under Construction

None

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

None

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

None

SECTION E: Existing Transmission Facilities (Electric)

Square Butte owns one Transmission Facility, a 230 kV line which connects Milton R. Young Unit 2 to the grid at the Square Butte substation. Square Butte also owns the west portion of the Square Butte substation. These facilities were completed in 1976.

Square Butte does not have plans to retire any transmission facilities in the ensuing ten years.

SECTION F: Existing Transmission Facilities (Pipeline)

1. See Exhibit III
2.
 - a. Product type: water
 - b. Length of facilities in miles: 13
 - c. Pipe size: 30 inches
 - d. Maximum design operating pressure: 800 pounds per square inch
 - e. Maximum design flow rate: 30 cubic feet per second
 - f. Pump specifications: two 1500-horsepower electric motors with a capacity of 6740 gpm
 - g. Minimum cover over pipe: 7 feet

3. March 1977

4. None

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

None

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

None

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

None

SECTION J: Regional Coordination

See Minnkota Power Cooperative's Ten-Year Plan

SECTION K: Environmental Information

See Minnkota Power Cooperative's Ten-Year Plan

SECTION L: Projected Demand for Service

See Minnkota Power Cooperative's Ten-Year Plan

EXHIBIT I

U.S. Department of Energy Form EIA-923
(Supersedes U.S. Department of Energy Form EIA-767)
(Supersedes FERC Form 67)

NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION

Is this a regulated utility plant Yes No

Is this a combined heat and power plant Yes No

Enter the total plant efficiency of the combined heat and power plant %

Survey Contact

Contact Kay Schraeder Submit Date 12-MAR-18
 Title Accountant
 Address 5301 32nd Avenue South
 City/State/Zip Grand Forks ND 58201
 Email kschaeder@minnkota.com Phone (701) 795-4266 Fax (701) 795-4215

Supervisor of Contact Person for Survey

Contact Craig Rustad
 Title Accounting Manager
 Address 5301 32nd Avenue South
 City/State/Zip Grand Forks ND 58201
 Email crustad@minnkota.com Phone (701) 795-4261 Fax (701) 795-4215

Report For

Company Name Minnkota Power Coop, Inc
 Plant Name Milton R Young
 Plant ID 2823 Plant County Oliver
 Plant Address 3401 24th Street S.W.
 Plant City Center Plant State ND

For contact detail go to <http://www.eia.doe.gov/oss/forms.html#eia-923>

SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

(Instructions for SCHEDULE 6 are on page 13)

SCHEDULE 6 collects calendar year data (no monthly detail).

Report all generation in megawatthours (MWh) rounded to a whole number.

- (1) Gross Generation (Annual)
- (2) Other Incoming Electricity
- (3) Total Sources (1 + 2)
- (4) Station Use
- (5) Direct Use
- (6) Total Facility Use (4 + 5)
- (7) Retail Sales to Ultimate Customers
- (8) Sales for Resale (MWh)
- (9) Provided Tolling Agreement (MWh)
- (10) Other Outgoing Electricity
- (11) Total Disposition (6 + 7 + 8 + 9 + 10)

Total Sources must equal Total Disposition (3 = 11)

Plants that cannot separate Station Use and Direct Use may enter zero in Station Use and the sum of Station Use and Direct Use in the Direct Use field.

Types of Other Incoming Electricity
List all of the types of incoming electricity included in (2)
Other Incoming Electricity

Types of Other Outgoing Electricity
List all of the types of outgoing electricity in item (10)
Other Outgoing Electricity

SCHEDULE 7. PART A. ANNUAL REVENUES FROM SALES FOR RESALE

Complete Schedule 7, Part A, only if a positive value was entered on Schedule 6, Item (8): "Sales for Resale."

Sales for Resale are energy supplied to electric utilities, cooperatives, municipalities, federal and state electric agencies, power marketers, or other entities, for resale to end-use consumers.

Report in thousand dollars. For example \$1,987,234 should be entered as 1,987

Annual Revenues from Sales for Resale (in thousand dollars)

SCHEDULE 7. PART B. ANNUAL RETAIL SALES, REVENUES AND NUMBER OF CUSTOMERS FROM RETAIL SALES

Report by state and end-use customer sectors (Residential, Commercial, industrial and Transportation).
 Complete an individual Schedule 7, Part B, for each state where customers are located, only if a positive value was entered on Schedule 6, Item (7), "Retail Sales to Ultimate Customers."

Annual Retail Sales, Revenue, and Number of Customers:

- Retail sales are sold directly to an end-use customer (i.e., the energy is consumed by the customer, onsite, and is not resold to other customers).
- Enter annual retail sales, revenue, and number of customers for each state where customer(s) are located.
- Report Annual Retail Sales in megawatthours (Mwh), by sector.
- Report Annual Revenue in thousand dollars, by sector.
- Report Number of Customers, by sector.

State	Items	Residential	Commercial	Industrial	Transportation	Total
	Retail Sales (Mwh)					
	Revenue (\$ 000's)					
	Number of Customers					

SCHEDULE 8. ANNUAL ENVIRONMENTAL INFORMATION
SCHEDULE 8. PART A. ANNUAL BYPRODUCT DISPOSITION

Complete an individual Schedule 8, Part A annually for each organic-fueled thermoelectric power plant (i.e., steam-electric plants, including nuclear and combined cycle plants with a total steam turbine capacity of greater than, or equal to 100 megawatts).

- Enter the quantity of combustion by-products for the year, by type of disposal.
- If actual data are not available, provide an estimate value.
- Report the quantity of combustion by-products rounded to the nearest 0.1 thousand tons.
- Report sales of steam in million BTU (MMBtu)
- If no by-product was produced, place a check in the checkbox labeled "Select if no combustion by-product were produced"

NOTE: PCD = Particulate Control Device; FGD = Flue Gas Desulfurization; FBC = Fluidized Bed combustion; IGCC = Integrated Gasification Combined Cycle
 No Byproducts

Combustion Byproduct	Disposal		Beneficial Use		Storage		Total
	On-site Landfill	Disposal On-site Ponds	Sold	Used On-site	Storage Stored On-site	Storage Off-site	
Fly ash from standard boiler/PCD units	190.3						190.3
Fly ash from units with dry FGD							
Fly ash from FBC units							
Bottom ash from standard boiler units	140.0		51.2			15.6	206.8
Bottom (bed) ash from FBC units							
FGD Gypsum		290.1					290.1
Other FGD byproducts							
Ash from coal gasification (IGCC) units							
Other (specify via footnote on Schedule 9)							
Steam Sales (MMBtu)							

SCHEDULE 8. PART B. FINANCIAL INFORMATION RELATED TO COMBUSTION BY-PRODUCTS

Complete an individual Schedule 8, Part B, annually, for each organically fueled thermoelectric power plant with a total steam turbine capacity greater than, or equal to, 100 megawatts.

- Data reported in Schedule 8, Part B must correspond to the combustion by-product data reported on Schedule 8, Part A.
- If actual data are not available, provide an estimate value.
- Report all values in thousand dollars, to the nearest thousand.

Type	Operation and Maintenance (O&M) Expenditures During Year (Thousand Dollars)					(6) Total (1 + 2 + 3 + 4 + 5) 18,381
	(1) Fly Ash	(2) Bottom Ash	(3) Flue Gas Desulfurization	(4) Water Pollution Abatement	(5) Other Pollution Abatement	
Collection	1,322	1,362	15,365	332	0	
Disposal	987	1,173	937	25	0	3,122
Other	0	0	0	0	2,256	2,256

Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (Thousand Dollars)

Type Amount	(7) Air Pollution Abatement	(8) Water Pollution Abatement	(9) Solid/Contained Waste	(10) Other Pollution Abatement
	0	0	1,877	0

Byproduct Sales Revenue During Year (Thousand Dollars)

Type Amount	(11) Fly Ash	(12) Bottom Ash	(13) Fly and Bottom Ash Sold Intermingled	(14) Flue Gas Desulfurization	(15) Other Byproduct Revenue	(16) Total (11+12+13+14+15) 243
	0	243	0	0	0	0

SCHEDULE 8. PART C. AIR EMISSIONS CONTROL INFORMATION

Annual Operations

Environmental Equipment and/or Technology Type			NOx Emission Rate (lbs/MMBtu)			Particulate Matter Control				Sulfur Dioxide Control				Mercury Control	Acid Gas Control			
Types	PM Control ID	SO2 CONTROL ID	NOX Control ID	Mercury Control	Status	Hours in Service	Entire Year	May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Removal Efficiency (nearest 0.1% by weight)
SP		FGD1			OP	8248							96.6	12-2017	23.1	9029		
SP		FGD2			OP	8426							95.1	12-2017	43.4	33428		

FGD Operation and Maintenance Expenditures During Year, Excluding Electricity (Thousand Dollars)

Flue Gas Desulfurization Unit ID	Feed Materials and Chemicals	Land and Supervision	Waste Disposal	Maintenance, Material and All Other Costs	Total
FGD1	\$4,481	\$741	\$728	\$142	\$6,092
FGD2	\$8,564	\$947	\$609	\$490	\$10,610

SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.

- Complete a separate schedule for each reporting month.

- Complete a separate row for each cooling system.

- If actual data are not available, provided an estimated value.

- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID Type	Cooling System Status	Annual Amt of Chlorine in added to Service Cooling Water Per month(1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)			Cooling Water Temperature (degrees Fahrenheit)			Volume Cooling Water (to nearest 0.001 million gallons per month)									
			Withdrawal	Discharge	Consumption	Avg at Intake	Max at Intake	Avg at Discharge		Max at Discharge	Method of Measure							
Report Month 1																		
CSI	OC	OP	690	.436	0	54718	54718	0	4	46	52	76	86	1	0	1132.7	1132.7	0
Report Month 2																		
CSI	OC	OP	672	.511	0	60031	60031	0	4	49	61	81	97	1	0	1363.3	1363.3	0
Report Month 3																		
CSI	OC	OP	744	1.502	0	80966	80966	0	4	52	65	79	95	1	0	2480	2480	0
Report Month 4																		
CSI	OC	OP	720	.88	0	118000	118000	0	4	66	72	84	91	1	0	5097.6	5097.6	0
Report Month 5																		
CSI	OC	OP	744	1.06	0	118000	118000	0	4	73	78	91	97	1	0	5267.5	5267.5	0
Report Month 6																		
CSI	OC	OP	564	.59	0	87925	87925	0	4	78	85	93	103	1	0	2830.4	2830.4	0

SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.

- Complete a separate schedule for each reporting month.
- Complete a separate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)			Cooling Water Temperature (degrees Fahrenheit)			Volume Cooling Water (to nearest 0.001 million gallons per month)							
					Withdrawal	Discharge	Consumption	Div	Avg at Intake	Max at Intake		Avg at Discharge	Max at Discharge	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
CSI	OC	OP	744	1.959	0	116810	116810	0	4	86	91	104	111	1	0	5161.9	5161.9	0
Report Month 8																		
CSI	OC	OP	744	2.17	0	118000	118000	0	4	85	88	104	108	1	0	5267.5	5267.5	0
Report Month 9																		
CSI	OC	OP	720	1.569	0	118000	118000	0	4	78	89	97	109	1	0	5097.6	5097.6	0
Report Month 10																		
CSI	OC	OP	744	1.067	0	118000	118000	0	4	67	76	84	95	1	0	5267.5	5267.5	0
Report Month 11																		
CSI	OC	OP	720	.386	0	118000	118000	0	4	54	63	87	100	1	0	5097.6	5097.6	0
Report Month 12																		
CSI	OC	OP	726	1.262	0	57573	57573	0	4	50	60	81	97	1	0	1253.9	1253.9	0

SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.

- Complete a separate schedule for each reporting month.
- Complete a separate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in added to Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)		Cooling Water Temperature (degrees Fahrenheit)				Volume Cooling Water (to nearest 0.001 million gallons per month)							
					Withdrawal	Discharge	Consumption	Measure	Avg at Intake	Max at Intake	Avg at Discharge	Max at Discharge	Method of Measure	Div	Withdrawal	Discharge	Consumption	
Report Month 1																		
CS2	OC	OP	744	.71	0	125000	125000	0	4	45	79	78	86	1	0	2790	2790	0
Report Month 2																		
CS2	OC	OP	672	.765	0	112903	112903	0	4	48	61	84	102	1	0	2276	2276	0
Report Month 3																		
CS2	OC	OP	744	2.44	0	187836	187836	0	4	51	66	76	94	1	0	6300	6300	0
Report Month 4																		
CS2	OC	OP	637	1.01	0	213206	213206	0	4	65	72	82	90	1	0	8116.7	8116.7	0
Report Month 5																		
CS2	OC	OP	744	1.4	0	250000	250000	0	4	72	78	90	98	1	0	11160	11160	0
Report Month 6																		
CS2	OC	OP	720	1.94	0	241935	241935	0	4	78	84	97	104	1	0	10451.6	10451.6	0

SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.

- Complete a separate schedule for each reporting month.
- Complete a separate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Annual Amt of Chlorine in added to Service Cooling Water Per month(1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)			Cooling Water Temperature (degrees Fahrenheit)			Volume Cooling Water (to nearest 0.001 million gallons per month)								
				Hours	Withdrawal	Discharge	Consumption	Avg at Intake	Max at Intake	Avg at Discharge	Max at Discharge	Div	Withdrawal	Discharge	Consumption			
Report Month 7																		
CS2	OC	OP	699	2.876	0	230175	230175	0	4	86	92	104	113	1	0	9460	9460	0
Report Month 8																		
CS2	OC	OP	744	3.48	0	250000	250000	0	4	85	90	105	109	1	0	11160	11160	0
Report Month 9																		
CS2	OC	OP	720	3.547	0	241935	241935	0	4	78	89	96	109	1	0	10451.6	10451.6	0
Report Month 10																		
CS2	OC	OP	744	2.666	0	250000	250000	0	4	66	75	83	92	1	0	11160	11160	0
Report Month 11																		
CS2	OC	OP	693	2.084	0	224630	224630	0	4	52	62	67	79	1	0	9009.9	9009.9	0
Report Month 12																		
CS2	OC	OP	744	5.03	0	250000	250000	0	4	48	59	82	99	1	0	11160	11160	0

SCHEDULE 9. COMMENTS
(Instructions for SCHEDULE 9. are on page 20.)

Schedule	Part	Item	Comments
8	C	OT	B1 OT FLUX AGENT
8	C	OT	B2 OT FLUX AGENT
8	C	OT	B1 OXIDIZED HALIDE
8	C	OT	B2 OT OXIDIZED HALIDE

Generator Id	Retirement Month	Retirement Year	Generator Retirement Dates	Comments
				Changes in Ownership (Provide name of purchaser and date sold.)

ERRORS

Purchase Type	Fuel	Schedule	Prime Mover	Equipment ID	Rpt Month	Supplier	Error Number & Description	Ranges	Override Comment
C	LIG	2A			BNI COAL		218 Commodity Cost was reported as Zero. Commodity Cost is the difference between the Total Cost and Transportation Costs. If these costs cannot be reported separately, please leave commodity cost blank and enter a detailed explanation in the override comment for analyst review.		Commodity cost cannot be separate out so field is left blank
S	DFO	2A			TESORO		218 Commodity Cost was reported as Zero. Commodity Cost is the difference between the Total Cost and Transportation Costs. If these costs cannot be reported separately, please leave commodity cost blank and enter a detailed explanation in the override comment for analyst review.		Commodity cost cannot be separate out so field is left blank

EXHIBIT II

Federal Energy Regulatory Commission Form FERC-714
(Supersedes FERC Form 12)



Federal Energy Regulatory Commission
FERC Form No. 714

Annual Electric Balancing Authority Area and Planning Area Report

For the Year Ending December 31, 2017

Form Approved
OMB Numbers: 1902-0140
(Expires 05/31/2019)

Part I - Schedule 1. Identification and Certification

1. Respondent Identification:

Code: 17858 Name: Square Butte Electric Coop

2. Respondent Type: (Please check appropriate box and fill in name)

Part I: Balancing Authority Area (Complete Parts I, II, and IV)

Unit dispatch is not based on the economic dispatch of thermal units (i.e., a system lambda is not calculated)

Balancing Authority Area Name:

Part II: Planning Area (Complete Parts I, III, and IV)

Planning Area Name:

Minnkota Power Cooperative

3. Respondent Mailing Address:

Minnkota Power Cooperative
55301 32nd Avenue South
Grand Forks, ND 58201

4. Contact Person:

Name: Dan Trebil
Title: Energy Marketer
E-mail address: dtrebil@minnkota.com

Telephone #: 701-795-4424 Ext:

5. Certifying Official:

Name: Brock Vaagene
Title: Energy Marketer Supervisor
Date: 05/07/2018

This report is an Original Revised Filing

**Annual Electric Balancing Authority Area and Planning
 Area Report**

For the Year Ending December 31, 2017

Utility Code: 17858
 Utility Name: Square Butte Electric Coop

Part III - Schedule 1. Electric Utilities That Compose the Planning Area

Enter the name of each entity, including the respondent, that forms the planning area for which this report is being prepared and their coincident summer and winter peak demands in megawatts. Refer to the Form 714 instructions for specific guidelines.

Line No (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW)	
		Summer (c)	Winter (d)
1	Square Butte Electric Coop	457	442
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
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16			
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**Annual Electric Balancing Authority Area and Planning
Area Report**

Utility Code: 17858
Utility Name: Square Butte Electric Coop

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand

Respondents must provide the following data: the planning area's actual hourly demand, in megawatts, for each hour of the year starting with 1 a.m. January 1 as more fully described in the Form 714 instructions. In column (b) indicate the time zone and the days for which daylight savings time was observed. This schedule will have 365 rows for the report year (366 rows for a leap year). For hours when this information is not available, enter "0.00" and provide, as a footnote to those hours, an explanation describing the reason for the unavailability of the data.

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
01/01/2017	CST	417	419	419	417	416	419	420	419	417	418	418	418	418	418	418	418	419	417	417	418	418	417	414	414
01/02/2017	CST	415	392	379	408	407	405	404	399	389	370	357	403	394	373	366	397	398	404	403	403	400	408	420	422
01/03/2017	CST	416	416	417	417	414	417	419	419	418	417	417	415	417	417	417	417	417	417	417	417	418	417	418	405
01/04/2017	CST	393	393	393	393	393	394	394	397	407	426	429	427	419	407	405	406	410	429	423	427	429	432	431	431
01/05/2017	CST	433	432	431	431	430	430	429	429	429	430	428	429	427	426	423	422	429	429	429	429	428	429	430	430
01/06/2017	CST	430	430	430	430	429	431	431	431	430	430	430	430	430	427	428	429	428	429	429	429	428	429	430	430
01/07/2017	CST	430	430	430	430	429	430	429	430	431	430	430	426	427	430	422	419	415	431	432	432	431	430	431	431
01/08/2017	CST	431	431	431	431	431	431	432	431	425	426	430	431	431	430	430	429	431	430	430	430	429	431	431	430
01/09/2017	CST	430	430	430	429	429	430	429	429	427	428	429	429	429	429	428	429	429	429	428	428	431	432	431	432
01/10/2017	CST	432	432	433	432	431	431	431	430	430	433	430	430	430	430	430	430	430	430	430	430	430	430	430	430
01/11/2017	CST	430	431	431	431	431	431	429	429	428	361	238	237	191	51	0	0	0	0	0	1	46	129	189	191
01/12/2017	CST	198	203	206	201	203	203	204	203	203	202	202	202	203	203	207	204	203	202	204	204	204	203	202	204
01/13/2017	CST	203	204	204	203	203	204	202	202	201	202	205	204	202	204	203	202	205	202	201	199	200	199	199	199
01/14/2017	CST	201	201	198	200	200	200	199	200	198	199	202	244	254	254	253	253	254	255	255	255	254	254	273	360
01/15/2017	CST	381	429	430	432	430	429	430	430	431	431	431	432	432	432	432	431	433	434	434	432	432	431	431	431
01/16/2017	CST	431	431	431	431	431	430	431	431	429	427	418	290	258	185	196	196	201	202	202	202	200	201	201	201
01/17/2017	CST	201	202	201	197	200	201	200	200	201	202	202	201	201	205	225	226	225	226	226	226	253	256	251	256
01/18/2017	CST	256	256	254	253	254	255	256	257	321	413	431	431	431	430	430	431	429	431	429	429	430	430	429	429
01/19/2017	CST	429	429	429	430	429	429	429	430	429	431	426	430	430	431	431	431	431	431	431	431	430	430	430	413
01/20/2017	CST	412	413	411	411	416	418	416	433	432	431	432	432	432	432	431	432	430	428	431	428	429	429	429	429
01/21/2017	CST	428	428	427	428	429	427	429	427	429	430	430	430	429	431	431	431	430	429	429	429	429	428	428	429
01/22/2017	CST	429	430	428	429	429	428	429	428	429	428	428	429	431	429	430	430	430	430	430	430	431	429	430	429
01/23/2017	CST	430	430	429	430	430	430	430	430	429	430	429	430	429	429	430	429	430	429	428	428	429	429	430	430
01/24/2017	CST	429	430	430	430	428	428	428	428	429	427	428	428	426	428	429	430	429	431	431	433	431	429	431	424
01/25/2017	CST	426	427	429	423	426	426	430	429	430	429	430	430	431	430	430	429	429	428	428	428	428	428	430	431
01/26/2017	CST	430	430	430	431	427	366	421	429	430	431	429	428	429	428	430	431	430	429	428	428	429	430	429	430
01/27/2017	CST	429	430	430	429	430	430	430	431	430	430	430	428	429	429	430	429	429	428	428	428	428	428	427	427
01/28/2017	CST	428	428	427	427	430	430	430	429	431	429	430	430	429	430	430	429	429	429	429	427	426	429	427	427

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date	Time Zone	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)
01/29/2017	CST	428	332	287	349	328	328	328	325	264	271	281	295	146	16	0	17	117	141	240	281	302	357	401	422
01/30/2017	CST	430	429	428	430	429	429	429	429	426	426	425	431	427	414	380	407	429	429	428	427	428	426	431	429
01/31/2017	CST	428	431	430	430	430	430	429	429	428	429	429	428	429	430	429	429	430	430	430	430	429	428	429	428
02/01/2017	CST	429	428	428	428	428	428	428	429	429	429	428	429	431	431	431	430	431	429	428	429	429	429	430	429
02/02/2017	CST	430	430	429	429	429	429	429	430	430	429	429	430	428	428	427	429	430	429	429	430	430	430	430	430
02/03/2017	CST	428	430	429	429	430	430	431	430	431	431	431	432	430	306	274	282	321	325	322	326	322	326	323	323
02/04/2017	CST	322	323	322	323	249	73	0	0	0	0	0	0	26	38	85	182	0	3	89	213	259	291	334	382
02/05/2017	CST	429	428	430	430	430	430	429	430	429	429	429	430	430	431	431	432	431	431	431	430	431	432	431	431
02/06/2017	CST	431	430	430	431	430	430	429	431	431	430	430	430	430	430	430	429	430	430	429	429	430	429	429	429
02/07/2017	CST	427	417	428	428	429	428	429	427	427	427	429	429	429	430	429	429	428	427	428	428	429	430	431	429
02/08/2017	CST	430	430	425	394	432	430	428	430	429	428	429	428	429	430	429	428	428	429	429	429	429	429	429	430
02/09/2017	CST	430	429	431	430	430	431	430	429	429	430	331	336	408	408	429	428	429	428	429	429	429	429	430	430
02/10/2017	CST	431	429	431	430	431	431	430	429	430	431	431	430	431	430	430	428	427	429	430	431	430	431	432	432
02/11/2017	CST	430	430	430	431	430	430	430	430	431	431	431	432	432	432	433	432	430	430	430	429	428	428	428	423
02/12/2017	CST	383	374	334	331	329	329	330	331	397	425	428	428	431	429	430	430	431	430	430	430	430	430	430	430
02/13/2017	CST	429	429	429	430	427	425	430	431	430	430	430	431	430	430	429	428	428	429	429	429	429	429	428	420
02/14/2017	CST	429	425	409	429	427	428	428	428	428	427	319	347	432	429	424	420	430	430	429	429	429	429	428	428
02/15/2017	CST	428	428	429	428	429	429	429	428	428	430	429	430	429	430	430	430	431	430	429	430	429	429	428	427
02/16/2017	CST	426	431	431	430	429	429	426	431	429	430	430	431	430	431	429	429	430	429	429	429	429	428	431	427
02/17/2017	CST	428	429	428	429	428	428	428	428	428	430	430	430	429	430	426	402	427	427	428	425	422	427	430	429
02/18/2017	CST	429	427	429	429	429	429	429	430	430	429	430	429	430	429	430	430	431	430	430	429	429	429	430	429
02/19/2017	CST	431	430	430	430	427	416	414	422	426	429	429	429	426	383	381	382	388	390	415	415	411	363	363	334
02/20/2017	CST	328	329	330	329	332	383	393	420	418	399	366	414	430	428	430	431	431	431	430	427	430	429	430	408
02/21/2017	CST	406	407	408	407	407	411	405	416	431	420	420	431	432	431	431	431	431	429	427	430	425	428	430	407
02/22/2017	CST	406	406	406	422	430	431	430	430	431	419	419	428	430	430	431	432	431	429	430	430	429	430	430	428
02/23/2017	CST	430	427	431	429	431	431	430	430	430	430	430	430	430	430	430	429	430	430	430	428	430	429	429	426
02/24/2017	CST	428	428	425	428	430	429	429	430	430	429	431	431	431	430	432	432	432	431	432	431	429	429	429	429
02/25/2017	CST	429	429	429	428	429	428	428	429	430	429	429	429	429	430	429	430	432	431	430	429	430	427	428	424
02/26/2017	CST	424	427	430	429	430	429	429	430	430	430	429	431	430	430	429	430	430	430	431	430	429	428	428	428
02/27/2017	CST	263	221	221	220	280	333	431	427	428	429	429	431	431	432	433	432	431	432	430	429	428	430	430	406
02/28/2017	CST	430	431	430	429	431	430	429	431	431	429	426	429	430	429	429	429	430	430	430	430	429	428	427	406
03/01/2017	CST	417	429	427	428	425	427	427	429	428	429	428	429	430	431	430	429	430	432	431	432	429	429	429	429
03/02/2017	CST	429	430	429	429	429	429	430	430	431	430	429	430	429	430	431	430	432	431	430	429	430	427	428	428
03/03/2017	CST	430	430	430	431	430	430	430	430	431	431	425	431	399	416	392	379	424	428	421	403	404	408	381	381

**Annual Electric Balancing Authority Area and Planning
 Area Report**

Utility Code: 17858
 Utility Name: Square Butte Electric Coop

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
03/04/2017	CST	379	379	377	378	382	380	394	428	428	430	422	382	383	384	383	382	390	419	420	420	407	340	331
03/05/2017	CST	332	333	332	333	334	393	426	427	431	432	432	432	431	429	430	431	430	430	430	407	379	333	331
03/06/2017	CST	332	332	329	330	329	328	350	381	414	426	429	428	430	429	429	429	395	380	377	332	331	332	331
03/07/2017	CST	332	333	332	332	334	388	407	403	384	385	422	430	317	398	394	425	427	426	428	429	425	350	330
03/08/2017	CST	329	329	329	329	391	428	427	426	428	429	430	430	430	430	431	432	431	430	430	432	431	430	430
03/09/2017	CST	432	430	430	431	430	429	429	430	430	430	430	430	430	430	428	428	413	421	430	430	430	429	429
03/10/2017	CST	429	428	428	429	430	430	431	430	431	431	431	429	429	431	430	431	429	428	429	430	431	431	429
03/11/2017	CST	239	221	219	220	327	396	430	426	429	428	429	428	430	430	430	431	431	431	431	430	431	431	432
03/12/2017	CST	430	431	431	431	430	431	431	431	431	431	431	432	432	432	430	430	431	431	430	431	431	427	429
03/13/2017	CST	429	429	429	429	428	430	429	430	430	428	430	429	428	426	427	429	430	433	432	432	431	428	429
03/14/2017	CST	429	429	428	428	429	428	430	430	429	428	428	428	431	430	430	428	431	430	430	432	430	428	429
03/15/2017	CST	430	429	430	429	430	429	428	430	430	431	431	433	432	431	430	428	430	430	430	429	427	430	430
03/16/2017	CST	428	429	430	428	428	428	426	429	428	431	429	348	404	389	428	429	430	430	430	428	429	427	419
03/17/2017	CST	429	429	416	410	429	430	422	429	426	429	428	430	429	428	428	428	426	426	429	428	426	424	426
03/18/2017	CST	425	428	428	428	429	430	431	428	430	431	432	432	430	431	430	429	431	430	430	429	431	431	407
03/19/2017	CST	377	331	330	330	330	331	330	330	332	331	331	331	332	332	390	434	431	430	431	430	432	429	430
03/20/2017	CST	431	387	380	381	381	382	412	429	431	432	431	432	432	432	430	432	431	431	429	410	400	388	410
03/21/2017	CST	398	393	378	406	425	429	431	431	428	428	427	430	428	428	428	428	430	429	429	429	429	429	429
03/22/2017	CST	430	430	432	430	431	430	430	430	430	431	432	432	430	431	430	431	431	432	432	432	432	432	411
03/23/2017	CST	412	423	428	427	418	424	430	430	433	430	432	432	431	430	430	429	430	430	430	429	429	412	383
03/24/2017	CST	422	430	429	429	429	428	429	428	429	429	428	430	430	430	430	429	430	429	428	428	429	430	429
03/25/2017	CST	420	430	430	428	429	430	430	429	429	430	430	430	431	431	431	432	431	432	432	432	432	432	411
03/26/2017	CST	304	408	436	430	431	432	432	432	432	432	433	432	431	432	432	432	431	431	430	431	430	431	431
03/27/2017	CST	431	431	431	431	431	431	430	430	431	431	432	432	432	431	430	430	430	429	83	0	0	0	0
03/28/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	23	116	207	276	310	368	398	423	427	428
03/29/2017	CST	428	427	428	428	427	429	428	431	431	432	431	431	429	430	429	429	429	428	429	429	429	427	410
03/30/2017	CST	378	379	382	386	421	429	429	429	428	425	429	426	429	428	431	429	430	431	430	429	431	431	431
03/31/2017	CST	431	431	431	429	431	431	430	430	431	432	432	431	432	431	432	431	430	430	431	429	429	428	428
04/01/2017	CST	429	429	430	429	430	430	430	430	429	430	430	430	430	429	430	429	429	428	429	429	429	425	428
04/02/2017	CST	429	403	428	429	429	429	429	429	429	427	427	431	431	431	431	431	431	430	429	429	429	429	429
04/03/2017	CST	429	429	429	429	428	428	426	429	429	429	429	429	429	429	429	429	429	430	431	430	429	430	433
04/04/2017	CST	430	429	431	431	429	430	428	429	429	429	427	428	430	431	431	431	432	432	432	431	431	432	432
04/05/2017	CST	432	432	432	432	429	430	430	430	431	431	431	431	431	432	430	429	431	430	430	429	429	430	425
04/06/2017	CST	424	427	427	428	427	428	428	430	430	431	430	432	430	431	430	430	430	432	432	431	431	431	430

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)	
04/07/2017	CST	430	430	429	431	430	430	428	430	429	429	429	429	429	430	425	395	382	380	381	419	424	389	412	384	270
04/08/2017	CST	332	329	339	384	381	380	382	417	427	427	427	392	392	379	396	385	428	428	428	428	429	428	430	430	431
04/09/2017	CST	430	430	429	428	429	429	429	429	430	429	429	429	429	429	430	431	428	428	428	428	429	429	428	428	415
04/10/2017	CST	425	428	428	427	428	428	429	429	429	427	429	429	428	428	428	429	429	428	428	428	429	428	428	428	428
04/11/2017	CST	428	429	428	428	429	428	428	429	429	429	429	430	430	431	430	429	428	425	430	430	428	427	429	427	422
04/12/2017	CST	423	428	427	426	428	428	428	428	428	428	428	428	428	429	429	429	430	429	429	429	429	430	430	430	429
04/13/2017	CST	429	429	429	429	428	428	429	428	429	429	429	429	429	427	416	407	396	399	405	400	430	428	430	405	379
04/14/2017	CST	380	380	380	380	384	426	430	429	430	430	430	431	431	431	431	431	429	429	429	429	428	430	430	430	426
04/15/2017	CST	428	430	426	430	431	430	430	431	432	431	431	430	430	430	430	428	429	429	430	430	429	429	429	429	428
04/16/2017	CST	325	342	430	429	429	427	429	429	428	428	429	428	428	429	430	428	429	429	428	429	429	430	430	430	429
04/17/2017	CST	430	429	429	429	429	429	430	429	429	430	430	431	431	431	432	432	432	432	432	432	432	431	430	429	420
04/18/2017	CST	427	426	428	429	424	429	429	429	429	429	429	429	429	428	429	428	428	429	430	429	428	429	430	429	428
04/19/2017	CST	428	428	428	429	428	428	430	429	430	430	430	431	431	431	429	430	431	432	431	430	429	429	430	430	429
04/20/2017	CST	430	430	430	430	429	430	432	431	430	432	426	431	431	430	429	429	428	429	429	427	428	428	429	429	429
04/21/2017	CST	430	428	429	429	428	428	429	428	431	432	432	431	431	429	429	430	428	427	429	429	430	430	430	430	430
04/22/2017	CST	430	430	430	430	430	430	431	431	430	430	430	430	429	429	429	429	429	428	429	428	427	429	428	429	429
04/23/2017	CST	429	428	429	428	428	429	429	428	428	428	427	432	432	431	431	431	430	431	429	429	426	424	417	381	376
04/24/2017	CST	376	377	376	376	401	423	426	428	428	429	430	429	429	430	430	434	431	427	401	404	404	406	407	408	405
04/25/2017	CST	407	407	408	407	407	415	429	427	428	430	430	430	430	429	430	434	431	432	431	422	422	423	418	423	424
04/26/2017	CST	426	399	381	392	429	429	428	430	429	429	430	430	430	428	431	430	432	431	432	432	433	351	153	23	0
04/27/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/28/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/29/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/30/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05/01/2017	CST	0	0	0	0	0	0	0	50	122	207	218	218	218	207	205	223	274	282	323	329	329	330	332	340	370
05/02/2017	CST	403	426	431	430	429	430	443	456	453	434	405	405	420	281	216	210	251	269	269	335	413	433	426	432	431
05/03/2017	CST	432	431	431	430	428	429	409	414	330	299	282	369	369	412	432	422	422	432	426	430	432	430	431	431	431
05/04/2017	CST	430	431	429	430	428	431	429	431	430	432	432	431	431	431	431	430	429	429	428	427	429	432	429	430	430
05/05/2017	CST	431	431	430	433	431	429	432	432	432	429	430	431	430	432	432	428	428	428	428	415	428	427	428	412	389
05/06/2017	CST	413	413	429	427	427	428	427	424	427	427	428	428	428	426	428	427	427	427	429	428	428	429	429	428	429
05/07/2017	CST	352	413	406	423	430	429	424	430	427	428	429	428	428	424	383	396	428	429	400	418	424	408	394	385	382
05/08/2017	CST	363	389	388	414	404	382	393	378	399	396	423	389	389	405	401	406	426	427	429	426	428	429	429	425	421
05/09/2017	CST	426	428	427	427	426	428	429	430	430	430	430	430	429	431	430	432	430	430	431	432	431	430	429	429	430
05/10/2017	CST	429	429	429	429	430	430	430	429	431	431	431	429	429	430	430	431	431	430	430	431	429	429	428	426	427

**Annual Electric Balancing Authority Area and Planning
 Area Report**

Utility Code: 17858
 Utility Name: Square Butte Electric Coop

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)	
05/11/2017	CST	427	427	426	427	427	428	429	428	431	428	429	429	429	429	428	427	429	429	428	431	429	429	429	428	430
05/12/2017	CST	430	431	430	429	428	430	430	430	430	432	432	429	431	431	431	430	430	430	429	428	429	428	429	423	391
05/13/2017	CST	417	430	424	429	428	423	429	428	429	429	430	430	430	428	431	432	430	430	430	429	431	429	427	423	416
05/14/2017	CST	331	376	391	405	423	393	421	429	429	428	428	429	429	429	428	429	429	428	426	428	428	429	428	428	419
05/15/2017	CST	428	428	429	428	429	428	429	429	430	427	429	428	430	429	429	429	429	429	429	429	429	430	429	430	429
05/16/2017	CST	430	430	429	430	429	429	430	430	430	430	429	429	429	429	430	430	429	430	430	430	429	428	428	428	429
05/17/2017	CST	428	427	416	416	430	430	429	424	417	382	367	328	329	330	330	345	401	430	422	429	429	424	392	378	
05/18/2017	CST	380	379	378	377	376	377	387	405	417	414	423	422	422	422	420	408	411	427	416	427	430	429	428	431	
05/19/2017	CST	428	430	431	431	430	432	430	443	457	457	457	457	440	433	432	431	431	430	429	428	428	430	423	427	
05/20/2017	CST	426	431	430	426	429	429	429	429	429	428	427	427	427	429	429	429	429	429	429	429	429	429	429	428	428
05/21/2017	CST	335	422	435	430	427	428	428	429	429	430	430	430	428	430	427	429	430	423	430	430	430	429	430	430	432
05/22/2017	CST	432	430	428	429	429	417	431	430	426	429	432	423	417	404	416	425	384	417	417	417	407	426	428	428	428
05/23/2017	CST	428	440	430	431	424	426	430	429	402	383	384	411	411	429	429	430	430	430	430	430	431	430	431	430	429
05/24/2017	CST	429	430	430	430	425	431	417	431	430	423	421	430	430	430	430	431	430	430	430	430	431	431	431	431	430
05/25/2017	CST	429	431	430	431	429	430	429	429	428	431	430	430	428	430	429	428	429	429	429	428	428	427	427	427	419
05/26/2017	CST	414	424	426	426	424	418	427	429	424	431	430	430	430	429	430	430	431	430	430	431	430	430	430	430	430
05/27/2017	CST	430	429	428	429	429	429	430	431	431	431	430	431	430	428	424	430	428	427	427	427	427	428	428	428	430
05/28/2017	CST	340	423	435	430	423	409	423	424	435	431	432	399	382	388	385	427	394	389	389	425	431	431	431	432	432
05/29/2017	CST	423	422	394	394	411	429	430	431	432	433	432	428	426	426	414	431	430	430	430	430	430	430	430	430	430
05/30/2017	CST	430	431	430	430	430	430	431	432	432	432	428	430	430	432	432	432	431	432	432	432	431	431	432	431	431
05/31/2017	CST	432	431	430	430	430	430	430	437	436	430	429	433	435	429	430	429	430	430	430	430	430	430	430	430	429
06/01/2017	CST	429	428	427	428	430	429	429	429	430	430	430	430	431	431	433	432	432	432	432	431	430	430	430	430	430
06/02/2017	CST	430	430	430	432	431	431	431	430	430	430	431	432	431	431	430	429	429	429	428	428	429	428	429	428	428
06/03/2017	CST	419	428	427	427	427	426	430	427	429	428	429	428	427	428	429	429	429	429	428	429	428	430	430	430	430
06/04/2017	CST	339	386	428	429	428	428	429	429	429	428	430	430	429	429	429	428	429	428	428	429	429	430	430	431	431
06/05/2017	CST	431	431	431	431	432	430	431	431	430	430	430	430	430	432	431	430	430	430	430	430	430	429	429	429	429
06/06/2017	CST	428	424	429	429	429	422	422	431	431	431	431	430	430	431	431	431	431	431	431	431	430	430	431	431	431
06/07/2017	CST	427	431	431	431	431	431	431	431	431	432	431	431	431	431	431	431	431	431	431	432	431	431	431	431	432
06/08/2017	CST	432	432	432	432	432	433	431	432	432	432	431	431	431	431	430	429	428	430	430	430	431	431	431	432	431
06/09/2017	CST	432	430	431	431	431	431	431	430	429	429	429	428	428	428	426	426	426	426	426	429	431	431	430	429	427
06/10/2017	CST	420	319	331	329	336	394	421	431	430	429	399	430	430	430	430	429	430	430	430	430	431	430	430	432	430
06/11/2017	CST	427	423	421	410	382	397	429	427	430	431	431	431	431	432	432	431	432	431	431	430	429	430	429	430	430
06/12/2017	CST	430	430	430	430	429	429	427	429	427	425	430	430	430	430	431	431	431	431	430	430	428	430	428	414	405
06/13/2017	CST	422	398	388	383	411	427	426	427	430	430	429	431	431	432	432	432	432	432	432	431	431	430	430	431	431

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
06/14/2017	CST	431	430	430	423	427	396	379	370	328	347	384	426	357	329	329	330	330	329	362	409	428	429	429	431
06/15/2017	CST	431	431	431	431	430	429	429	429	429	429	430	429	429	429	429	429	430	430	430	430	429	430	429	429
06/16/2017	CST	431	430	430	429	425	430	429	430	431	430	430	430	429	427	430	429	429	429	429	429	429	429	430	431
06/17/2017	CST	430	430	430	430	430	429	429	428	399	426	423	422	429	392	418	428	403	416	429	426	421	427	427	430
06/18/2017	CST	340	364	426	427	427	424	430	429	430	430	429	420	427	410	427	414	428	427	428	428	428	428	429	429
06/19/2017	CST	405	417	422	429	427	428	428	429	429	429	429	429	428	429	426	403	411	417	424	429	429	429	429	430
06/20/2017	CST	430	419	429	430	430	430	430	429	428	429	430	431	430	429	429	429	430	430	430	430	422	400	406	417
06/21/2017	CST	428	419	425	429	430	417	428	427	431	430	430	430	424	398	399	430	426	429	428	429	428	428	431	431
06/22/2017	CST	430	429	427	366	413	426	414	424	382	384	408	426	423	428	429	423	429	426	427	429	431	431	429	430
06/23/2017	CST	429	430	429	428	430	429	429	430	396	401	402	381	413	431	424	429	414	428	431	432	430	431	430	431
06/24/2017	CST	431	430	414	424	431	431	432	432	429	415	420	410	329	331	335	391	405	393	414	429	429	426	430	429
06/25/2017	CST	429	427	427	427	414	422	431	424	430	430	431	430	429	429	429	429	429	428	429	430	429	429	431	431
06/26/2017	CST	430	429	430	430	430	430	429	429	430	431	430	430	430	430	430	430	431	431	430	431	430	431	430	427
06/27/2017	CST	400	404	429	403	412	401	420	421	402	337	332	334	378	385	427	425	424	427	428	427	427	412	419	352
06/28/2017	CST	329	331	331	330	331	331	354	378	389	427	429	428	428	423	430	430	430	431	431	431	432	432	433	430
06/29/2017	CST	431	430	430	430	429	430	431	430	430	429	429	429	429	430	430	430	430	430	430	431	431	431	423	392
06/30/2017	CST	386	383	397	389	430	431	431	431	430	430	431	430	431	430	430	430	430	430	430	430	430	431	430	429
07/01/2017	CST	431	430	431	431	430	429	430	430	431	431	431	431	431	432	431	431	431	430	430	430	430	430	430	404
07/02/2017	CST	322	412	427	431	428	430	431	430	430	431	430	430	430	430	431	430	431	430	430	430	431	431	431	396
07/03/2017	CST	329	330	331	334	415	413	395	429	430	430	430	430	431	430	430	430	431	430	431	427	428	425	421	424
07/04/2017	CST	402	403	433	425	412	433	431	430	430	431	431	432	433	430	429	430	430	429	429	429	431	430	430	430
07/05/2017	CST	430	430	429	429	429	429	429	430	430	430	430	431	430	430	429	429	428	429	429	429	429	429	429	429
07/06/2017	CST	428	416	408	410	409	409	402	390	388	388	388	387	368	382	383	383	383	383	384	384	384	384	385	388
07/07/2017	CST	388	394	396	396	395	400	402	404	402	403	396	393	394	386	388	388	381	375	377	376	376	376	376	384
07/08/2017	CST	378	378	379	387	385	386	388	390	390	390	391	390	389	383	378	378	380	378	376	376	375	375	368	306
07/09/2017	CST	331	330	330	330	331	331	337	393	399	399	402	394	376	370	359	359	361	375	377	378	380	381	381	381
07/10/2017	CST	385	385	384	384	389	390	389	388	389	390	386	389	392	393	395	401	400	398	392	397	401	402	400	391
07/11/2017	CST	391	391	391	386	391	390	400	398	399	393	390	383	379	380	379	379	379	379	379	380	383	394	394	401
07/12/2017	CST	388	387	381	398	382	376	378	398	398	400	400	400	400	400	399	398	398	398	396	396	394	396	398	386
07/13/2017	CST	393	400	403	404	403	401	400	400	400	400	401	400	401	401	400	400	399	400	400	400	400	406	415	410
07/14/2017	CST	416	420	423	425	425	430	428	424	419	387	425	426	426	426	426	428	428	428	425	427	425	425	426	418
07/15/2017	CST	399	391	392	387	392	391	390	390	389	390	388	389	388	389	389	390	387	387	387	391	392	391	398	400
07/16/2017	CST	345	407	405	408	409	410	410	411	410	412	417	417	418	420	419	421	420	420	422	422	426	423	423	421
07/17/2017	CST	422	418	417	418	418	418	422	428	430	430	419	398	387	387	387	378	378	376	380	380	382	385	390	399

**Annual Electric Balancing Authority Area and Planning
Area Report**

Utility Code: 17858
Utility Name: Square Butte Electric Coop

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
07/18/2017	CST	401	403	408	401	410	411	416	415	414	415	415	410	411	407	401	394	395	397	397	397	399	407	406	407
07/19/2017	CST	407	406	406	406	406	411	417	427	426	428	430	431	430	431	420	399	392	390	389	390	390	390	390	389
07/20/2017	CST	391	393	392	394	396	398	397	399	399	401	401	419	423	431	430	431	428	429	419	417	416	418	420	421
07/21/2017	CST	420	421	421	421	421	418	420	415	408	398	392	395	393	404	402	398	398	400	399	400	399	391	390	389
07/22/2017	CST	388	387	387	386	386	387	390	392	390	390	390	386	383	379	378	378	379	379	380	382	383	387	390	386
07/23/2017	CST	317	393	396	394	395	399	394	400	402	398	396	390	383	382	384	385	384	382	380	384	391	396	403	406
07/24/2017	CST	405	405	404	404	405	403	403	403	402	403	404	405	406	407	408	408	408	410	418	419	420	402	404	417
07/25/2017	CST	416	416	414	401	395	380	378	377	376	376	376	374	367	367	367	367	367	367	371	374	375	377	378	379
07/26/2017	CST	380	385	380	379	379	379	379	379	380	376	367	367	366	356	356	355	355	358	364	362	364	373	380	383
07/27/2017	CST	383	381	384	384	386	384	383	385	385	385	386	386	386	388	390	390	391	390	390	391	399	401	409	410
07/28/2017	CST	409	409	390	289	153	101	145	186	62	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/29/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/30/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/31/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	89	156	254	268	313
08/01/2017	CST	369	410	410	409	407	411	415	420	422	415	423	419	419	411	409	408	406	404	401	402	402	406	408	414
08/02/2017	CST	414	415	416	421	421	424	429	428	428	429	430	429	431	429	430	428	426	428	428	428	424	421	421	422
08/03/2017	CST	422	426	429	428	428	428	429	429	431	431	430	429	426	428	429	428	429	413	429	429	427	428	429	430
08/04/2017	CST	429	429	428	428	429	428	429	429	430	431	430	430	430	431	430	429	430	430	430	430	430	430	431	430
08/05/2017	CST	430	430	431	432	431	431	430	431	432	431	430	430	430	429	429	430	431	431	432	433	432	431	432	432
08/06/2017	CST	326	416	432	432	432	432	432	431	431	432	431	431	431	430	430	431	431	432	431	431	431	431	431	432
08/07/2017	CST	432	432	430	431	431	431	431	431	430	430	428	428	422	420	419	408	412	414	412	414	414	417	424	421
08/08/2017	CST	419	418	420	421	422	420	421	423	425	425	426	430	428	432	432	432	431	431	429	429	428	428	430	429
08/09/2017	CST	422	417	417	414	414	412	415	416	419	419	408	407	406	408	412	413	416	417	417	420	421	420	421	430
08/10/2017	CST	430	430	429	429	429	429	430	429	430	429	428	428	418	419	418	416	418	419	421	420	419	420	420	424
08/11/2017	CST	423	423	423	423	424	424	427	426	427	426	428	427	430	436	436	435	435	434	435	435	436	433	432	431
08/12/2017	CST	431	432	432	432	432	431	432	430	430	430	431	431	431	432	430	429	430	430	429	431	430	431	430	430
08/13/2017	CST	340	432	431	430	430	431	431	431	430	429	431	433	431	431	426	429	430	429	429	429	429	426	428	428
08/14/2017	CST	428	429	427	426	426	428	428	429	430	430	430	429	431	431	431	432	432	431	432	432	433	431	432	432
08/15/2017	CST	432	432	432	431	433	433	430	431	430	430	430	429	428	429	429	429	430	428	430	431	431	429	431	431
08/16/2017	CST	431	432	432	432	430	429	430	429	429	430	431	430	431	431	431	431	422	430	426	429	430	430	429	430
08/17/2017	CST	429	428	428	421	432	433	433	431	431	431	431	431	431	431	432	431	431	431	429	417	429	432	432	425
08/18/2017	CST	394	431	430	429	430	430	429	428	428	429	428	431	420	419	418	417	416	417	421	420	421	419	420	421
08/19/2017	CST	422	422	423	422	422	405	271	215	210	210	210	210	211	210	210	211	210	209	248	307	327	361	409	424
08/20/2017	CST	399	381	381	382	381	382	382	381	382	381	384	392	412	412	413	415	414	413	413	412	412	412	412	411

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date	Time Zone	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)
08/21/2017	CST	402	402	412	406	396	414	427	431	430	430	431	431	431	430	431	431	431	431	428	429	429	430	428	428
08/22/2017	CST	429	426	424	429	429	429	430	430	430	430	428	429	429	430	429	431	431	432	430	430	430	432	431	431
08/23/2017	CST	431	430	431	430	431	431	432	431	431	432	432	430	432	432	431	432	431	431	431	432	431	431	431	432
08/24/2017	CST	431	431	431	430	431	415	432	431	429	429	428	430	430	430	431	431	430	430	431	430	429	406	402	405
08/25/2017	CST	377	397	405	398	415	431	428	431	430	430	427	430	430	431	431	430	430	429	430	429	431	428	429	430
08/26/2017	CST	430	429	429	430	431	429	431	430	430	430	430	429	429	429	430	430	429	429	430	431	431	431	431	427
08/27/2017	CST	343	355	421	426	419	423	423	423	428	426	426	429	430	429	427	429	429	418	422	421	422	417	418	423
08/28/2017	CST	428	428	429	428	429	431	429	429	428	427	429	428	428	428	418	419	419	418	422	421	422	422	417	418
08/29/2017	CST	417	423	426	427	430	429	430	428	427	418	416	404	404	405	406	404	396	397	399	408	410	408	405	405
08/30/2017	CST	400	397	400	401	400	401	400	400	398	400	402	402	402	404	414	414	414	416	417	421	429	428	428	428
08/31/2017	CST	429	430	407	399	428	430	427	430	407	419	430	431	429	429	428	429	428	425	411	403	385	398	411	393
09/01/2017	CST	379	383	384	384	389	411	425	412	429	429	428	429	429	428	423	424	423	424	424	424	427	431	433	432
09/02/2017	CST	430	431	431	432	430	431	431	431	430	431	430	430	429	429	425	420	419	421	415	422	422	424	430	428
09/03/2017	CST	327	424	431	431	430	429	407	426	431	429	430	429	429	421	419	408	409	413	415	422	425	407	431	419
09/04/2017	CST	385	379	387	383	422	424	387	423	428	430	429	429	429	428	405	414	428	428	429	429	430	429	399	377
09/05/2017	CST	393	395	404	377	382	424	427	427	426	423	381	381	381	384	342	359	358	412	435	431	430	430	430	430
09/06/2017	CST	429	430	430	430	430	429	430	429	430	430	430	430	430	429	429	429	430	429	429	429	430	429	429	430
09/07/2017	CST	430	430	430	430	430	426	429	430	430	429	429	429	429	430	430	429	430	429	430	430	430	430	431	421
09/08/2017	CST	397	421	419	429	429	429	428	429	430	430	430	430	429	429	430	430	429	430	430	423	401	428	431	407
09/09/2017	CST	408	408	406	407	427	419	422	432	431	432	432	433	433	433	432	432	432	432	432	432	433	433	395	383
09/10/2017	CST	333	397	355	356	410	431	383	388	406	431	430	430	430	430	431	430	430	430	430	430	432	430	403	390
09/11/2017	CST	416	391	380	381	424	428	430	431	430	430	431	429	429	421	427	425	417	429	429	425	379	378	378	378
09/12/2017	CST	381	380	382	412	430	429	429	429	429	429	429	429	429	430	430	430	430	428	428	421	402	429	429	421
09/13/2017	CST	428	430	426	420	426	428	428	425	427	430	431	430	429	430	430	430	430	430	432	432	430	429	432	431
09/14/2017	CST	329	329	336	403	430	409	394	426	427	430	429	430	428	417	417	429	419	420	429	430	422	432	431	431
09/15/2017	CST	401	426	430	423	404	402	424	403	368	328	327	298	277	278	279	280	280	280	280	280	281	281	285	324
09/16/2017	CST	329	329	329	328	329	329	329	329	329	328	327	327	327	335	380	406	427	429	431	431	416	427	431	431
09/17/2017	CST	430	430	429	429	429	431	432	431	431	430	431	427	431	431	430	432	432	432	431	432	430	429	432	431
09/18/2017	CST	431	432	432	432	431	432	432	432	432	432	431	430	431	431	431	431	431	431	431	399	388	378	329	329
09/19/2017	CST	329	329	329	329	328	329	327	327	328	328	327	327	327	335	380	406	427	420	421	389	372	373	333	331
09/20/2017	CST	331	331	332	333	388	412	433	415	431	416	387	394	394	345	341	344	350	351	350	350	350	349	350	330
09/21/2017	CST	331	331	331	331	332	330	331	329	332	407	433	422	402	396	416	426	431	431	431	430	414	381	411	398
09/22/2017	CST	340	330	331	332	332	333	332	329	284	275	276	260	256	257	257	257	257	257	257	257	257	257	258	342
09/23/2017	CST	418	424	404	424	425	426	430	429	430	430	429	430	429	429	429	429	429	429	429	429	428	429	431	407

**Annual Electric Balancing Authority Area and Planning
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Utility Code: 17858
 Utility Name: Square Butte Electric Coop

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date	Time Zone	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	
09/24/2017	CST	334	331	328	329	329	329	330	352	423	429	433	431	433	432	434	433	432	431	428	429	429	430	430	430	
09/25/2017	CST	430	430	430	430	430	430	431	430	431	431	430	431	430	430	430	429	431	430	430	430	430	428	431	430	431
09/26/2017	CST	430	431	431	430	429	429	429	430	431	430	429	428	430	430	431	429	430	431	430	430	430	431	432	431	432
09/27/2017	CST	431	431	430	430	430	430	429	431	431	431	432	430	431	429	432	431	431	431	431	431	432	432	433	433	432
09/28/2017	CST	432	432	431	432	433	432	434	433	431	431	431	432	433	431	427	429	432	431	431	431	431	431	431	431	431
09/29/2017	CST	432	432	431	432	431	431	430	430	431	430	430	430	430	372	220	183	188	188	188	188	187	187	204	206	205
09/30/2017	CST	204	206	206	205	206	206	224	320	330	329	330	331	330	331	331	330	331	331	331	331	330	331	331	330	330
10/01/2017	CST	330	331	330	330	330	330	329	329	329	329	341	380	379	379	379	379	379	379	379	379	380	396	410	347	331
10/02/2017	CST	332	333	332	336	392	414	412	413	412	412	416	415	415	416	424	432	432	432	432	432	430	406	421	432	432
10/03/2017	CST	399	397	417	430	429	424	422	428	429	402	382	387	364	326	327	328	327	339	379	381	396	383	382	346	346
10/04/2017	CST	330	331	331	384	427	427	428	426	427	429	431	431	431	431	430	429	429	429	429	430	430	430	430	429	430
10/05/2017	CST	430	430	431	431	431	430	431	431	430	432	430	431	431	431	430	431	431	431	431	430	429	429	430	429	430
10/06/2017	CST	429	428	429	431	430	429	430	430	431	432	432	432	430	431	430	430	431	432	432	432	431	406	421	432	432
10/07/2017	CST	431	432	432	432	431	424	404	404	416	430	419	378	380	379	378	378	405	426	431	430	429	428	428	429	424
10/08/2017	CST	349	410	432	428	430	403	423	428	428	429	429	417	411	380	381	379	380	349	329	331	331	330	330	330	372
10/09/2017	CST	406	396	378	395	428	428	428	430	430	429	429	430	430	430	430	429	429	429	430	430	429	430	430	429	430
10/10/2017	CST	415	430	427	423	430	430	429	430	430	429	430	430	430	429	430	429	429	429	430	430	429	430	430	429	428
10/11/2017	CST	330	330	331	330	332	392	429	428	429	427	429	427	429	429	429	429	427	428	429	429	429	380	389	402	362
10/12/2017	CST	418	430	429	428	429	431	431	430	397	388	392	379	379	335	332	331	330	330	330	330	336	373	403	408	412
10/13/2017	CST	432	432	430	420	426	429	429	430	429	430	431	432	431	431	431	430	430	430	430	430	430	429	431	430	429
10/14/2017	CST	430	430	430	431	430	429	430	430	429	429	429	430	430	431	431	432	430	430	430	431	429	427	326	331	330
10/15/2017	CST	329	328	329	329	334	416	433	430	430	431	430	432	432	432	431	431	431	431	431	430	431	430	429	429	431
10/16/2017	CST	431	431	430	431	431	430	431	431	434	428	431	421	424	428	430	426	430	429	428	428	429	430	432	432	432
10/17/2017	CST	431	431	431	431	430	425	432	411	413	419	432	432	432	431	426	430	431	414	416	430	430	431	409	328	332
10/18/2017	CST	331	330	330	332	414	417	422	381	385	385	380	403	431	431	430	431	431	431	431	431	431	430	430	430	431
10/19/2017	CST	431	431	430	431	432	424	425	417	433	432	431	431	433	433	432	432	431	433	432	394	422	420	431	426	
10/20/2017	CST	431	429	427	431	430	405	402	433	430	424	422	407	422	430	432	433	431	430	430	428	426	422	322	320	320
10/21/2017	CST	328	330	330	329	328	327	327	327	326	327	327	326	328	334	403	432	431	431	431	430	430	432	432	432	432
10/22/2017	CST	431	431	431	431	432	431	430	424	427	431	423	408	400	415	434	433	433	434	433	433	432	429	420	410	410
10/23/2017	CST	432	424	432	432	427	432	431	432	430	431	428	429	430	429	426	429	429	429	429	428	429	429	428	405	396
10/24/2017	CST	332	327	332	395	424	427	428	428	427	425	398	430	429	428	398	398	414	430	428	428	429	430	430	430	430
10/25/2017	CST	430	430	431	431	432	431	432	432	433	433	432	432	433	433	432	406	428	431	431	431	416	432	429	431	431
10/26/2017	CST	430	431	423	430	430	429	430	430	428	430	430	413	411	431	430	422	409	425	429	429	427	429	430	429	429
10/27/2017	CST	424	428	428	429	429	432	431	431	431	430	432	432	433	433	432	432	432	432	432	432	432	432	432	431	432

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date	Time Zone	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)
10/28/2017	CST	431	431	431	430	431	432	432	431	431	432	433	433	434	434	433	433	432	432	432	432	433	426	414	423
10/29/2017	CST	311	430	431	428	425	404	415	426	380	326	328	327	327	360	371	368	388	408	418	396	400	384	383	378
10/30/2017	CST	378	377	376	377	409	393	426	399	391	389	379	400	397	412	414	396	390	407	429	429	429	428	429	428
10/31/2017	CST	425	428	427	427	430	429	415	427	428	429	429	426	426	432	427	426	425	414	410	411	413	413	414	410
11/01/2017	CST	412	412	412	413	413	413	413	416	414	414	423	425	426	424	423	416	416	415	408	409	349	202	54	0
11/02/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/05/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/06/2017	CST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	100	166	232	263	264	322	321
11/07/2017	CST	320	319	321	325	325	325	325	324	324	324	329	365	393	411	427	428	428	429	429	430	430	429	428	428
11/08/2017	CST	428	427	430	429	430	430	430	429	438	442	431	431	431	431	431	426	425	429	430	430	429	428	429	428
11/09/2017	CST	428	428	428	428	428	428	429	429	429	428	429	428	429	429	429	429	430	430	429	429	429	429	429	429
11/10/2017	CST	429	429	429	428	429	428	429	429	428	428	429	429	429	429	430	430	430	431	430	430	430	430	430	430
11/11/2017	CST	429	430	430	429	429	430	430	429	430	430	431	430	431	430	431	431	430	431	430	430	430	431	430	430
11/12/2017	CST	430	431	430	430	431	430	430	431	430	430	430	430	431	431	432	431	431	431	431	431	430	430	431	430
11/13/2017	CST	430	431	430	430	430	430	430	430	428	430	430	430	432	429	430	430	429	428	428	429	430	431	430	431
11/14/2017	CST	431	430	430	430	431	430	430	429	430	430	432	430	409	335	413	430	429	428	428	429	428	428	428	427
11/15/2017	CST	427	427	427	414	401	426	427	428	429	428	396	418	430	429	430	428	431	430	430	430	431	430	430	431
11/16/2017	CST	432	431	432	431	431	412	418	431	424	411	430	429	429	430	430	430	430	429	429	429	430	428	430	430
11/17/2017	CST	429	429	429	429	429	430	430	429	430	430	431	430	430	430	430	430	429	430	430	428	399	417	429	429
11/18/2017	CST	428	429	428	428	429	429	429	429	430	430	428	431	431	432	432	431	430	431	430	430	430	430	430	430
11/19/2017	CST	431	311	376	430	432	431	431	431	431	432	433	430	431	388	415	433	432	432	432	431	430	429	420	432
11/20/2017	CST	432	432	430	426	416	421	433	432	432	433	432	432	433	433	433	432	432	431	430	431	431	430	429	429
11/21/2017	CST	428	405	429	402	412	417	420	430	427	430	430	431	430	430	429	382	392	427	429	430	429	430	406	375
11/22/2017	CST	407	432	430	430	429	430	431	432	432	432	431	431	431	433	434	435	434	432	432	431	433	432	432	432
11/23/2017	CST	432	432	432	432	431	432	432	432	432	432	432	432	433	433	433	433	433	432	420	376	382	377	377	392
11/24/2017	CST	376	377	377	389	386	408	415	405	422	430	430	430	426	378	380	426	430	426	426	430	429	421	410	428
11/25/2017	CST	428	409	428	430	429	429	429	430	430	430	430	431	430	432	433	432	433	431	431	431	431	430	431	430
11/26/2017	CST	429	321	384	434	428	423	414	399	421	430	430	432	432	433	432	431	433	432	431	429	431	431	433	431
11/27/2017	CST	426	431	430	434	433	429	430	421	427	428	431	432	430	386	385	379	380	404	387	382	377	390	376	309
11/28/2017	CST	270	270	271	273	354	418	425	425	428	429	433	419	383	384	408	432	431	431	430	430	431	431	431	427
11/29/2017	CST	428	427	427	425	427	422	427	428	430	430	432	430	425	426	433	432	433	431	431	429	420	426	430	409
11/30/2017	CST	387	421	424	408	422	426	427	430	434	433	433	433	433	432	432	432	432	434	431	432	431	432	432	431

**Annual Electric Balancing Authority Area and Planning
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Utility Code: 17858

Utility Name: Square Butte Electric Coop

For the Year Ending December 31, 2017

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
12/01/2017	CST	416	403	403	402	403	418	422	424	424	427	431	431	430	432	433	432	433	431	431	431	430	430	429	429
12/02/2017	CST	429	429	428	428	428	430	430	429	430	430	431	431	432	432	431	432	433	432	432	431	431	431	431	431
12/03/2017	CST	431	346	385	432	430	428	430	431	429	430	430	430	430	431	431	432	422	430	430	431	431	431	430	416
12/04/2017	CST	398	409	411	429	421	396	425	432	432	432	432	431	431	430	430	430	429	428	429	430	430	429	431	414
12/05/2017	CST	426	422	400	389	428	427	427	427	428	427	429	430	429	429	429	429	430	431	429	430	431	431	431	432
12/06/2017	CST	432	432	432	432	432	432	431	433	433	432	436	440	433	431	432	432	431	431	431	431	431	431	431	429
12/07/2017	CST	429	429	385	397	429	429	428	429	429	431	431	431	431	430	432	432	432	432	432	431	431	431	431	429
12/08/2017	CST	432	432	432	432	433	434	433	434	435	434	434	435	432	432	431	431	431	430	429	429	429	429	429	428
12/09/2017	CST	430	428	429	428	428	427	428	429	430	431	432	432	432	431	433	433	431	432	432	433	432	432	432	432
12/10/2017	CST	431	340	386	432	429	428	428	429	430	431	432	432	431	431	432	432	431	431	431	432	433	432	432	432
12/11/2017	CST	432	404	418	429	431	431	433	432	432	431	432	431	432	431	432	432	431	430	430	430	430	430	430	430
12/12/2017	CST	430	430	430	430	430	430	430	430	430	431	430	431	432	432	432	432	430	432	432	430	430	430	430	430
12/13/2017	CST	431	431	432	429	422	429	429	430	430	431	430	431	432	432	432	432	432	432	432	432	431	431	431	431
12/14/2017	CST	430	429	430	430	430	431	430	429	430	429	431	431	431	432	432	432	429	429	429	428	429	430	429	429
12/15/2017	CST	431	432	431	432	432	433	432	432	431	432	432	429	431	431	431	433	432	432	433	431	431	432	433	432
12/16/2017	CST	431	432	432	431	431	431	432	432	431	432	432	429	431	431	431	433	432	431	429	428	430	432	431	431
12/17/2017	CST	431	337	407	430	430	429	430	429	432	429	431	430	428	429	430	430	429	430	430	431	430	430	430	429
12/18/2017	CST	430	431	430	431	431	431	432	431	432	431	431	431	431	430	431	431	432	431	431	432	431	431	431	431
12/19/2017	CST	431	428	430	430	429	429	429	430	429	429	428	430	429	429	429	430	430	429	429	429	430	430	429	430
12/20/2017	CST	430	430	428	431	430	430	430	432	431	431	431	430	429	430	430	430	430	431	431	430	430	430	430	430
12/21/2017	CST	432	432	431	431	429	429	429	430	431	430	430	430	430	431	431	431	431	431	431	432	431	431	431	432
12/22/2017	CST	429	430	431	431	432	430	431	431	431	431	431	431	431	430	431	431	431	431	431	431	430	430	429	429
12/23/2017	CST	431	429	430	428	428	429	430	429	431	430	430	431	430	429	428	428	431	429	430	428	430	429	429	430
12/24/2017	CST	430	355	424	429	428	429	429	429	430	429	429	429	430	432	431	431	432	431	431	429	430	431	432	430
12/25/2017	CST	430	430	432	433	431	434	432	431	434	433	434	429	430	429	429	428	430	430	430	430	431	430	430	430
12/26/2017	CST	429	430	429	429	430	429	430	430	430	430	431	430	430	430	430	430	430	430	430	428	430	430	429	429
12/27/2017	CST	431	431	431	432	431	430	431	431	431	431	428	431	430	429	429	430	431	429	430	430	430	430	430	431
12/28/2017	CST	431	429	430	430	430	432	433	434	435	433	432	430	429	426	429	426	426	427	429	430	430	430	430	430
12/29/2017	CST	432	432	431	432	431	431	431	431	432	431	432	432	432	432	432	432	432	432	432	432	432	432	432	431
12/30/2017	CST	431	432	431	431	432	432	431	431	431	433	431	432	432	431	431	431	430	433	432	431	431	431	431	432
12/31/2017	CST	430	354	408	427	429	430	431	430	430	431	432	433	432	432	432	432	432	432	432	432	431	432	432	431

**Annual Electric Balancing Authority Area and Planning
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Utility Code: 17858
 Utility Name: Square Butte Electric Coop

Part III - Schedule 2. Forecast Summer and Winter Peak Demand and Annual Net Energy for Load

Provide the planning area's forecast summer and winter peak demand, in megawatts, and annual net energy for load, in megawatthours, for the next ten years.

Line No (a)	Year (b)	Summer Forecast (MW) (c)	Winter Forecast (MW) (d)	Forecast of Annual Net Energy for Load (MWh) (e)
1	2018	430	430	3,421,372
2	2019	430	430	3,121,686
3	2020	430	430	3,452,898
4	2021	430	430	3,396,701
5	2022	430	430	2,589,800
6	2023	430	430	3,403,126
7	2024	430	430	3,438,582
8	2025	430	430	3,127,126
9	2026	430	430	3,391,452
10	2027	430	430	3,426,412

EXHIBIT III

Square Butte Electric Cooperative

Water Pipeline Map

