




Your Touchstone Energy<sup>SM</sup> Partner 

4300 220<sup>th</sup> Street West  
Farmington, MN 55024  
(651) 463-6212  
1-800-874-3409  
FAX (651) 463-6256

*A Locally Owned, Nonprofit Electric Utility*

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Filed Electronically

January 9, 2019

Dan Wolf, Executive Secretary  
Minnesota Public Utilities Commission  
121 7th Place East, Suite 350  
St. Paul, Minnesota 55101

**Re: Dakota Electric Association  
2019 Annual Resource and Tax Adjustment  
Docket No. E-111/M-15-\_\_\_\_  
PUBLIC DOCUMENT**

Dear Mr. Wolf:

Dakota Electric Association (Dakota Electric) respectfully submits its 2019 Annual Resource and Tax Adjustment (RTA) filing. Dakota Electric's RTA clause requires that the annual RTA factor be adjusted every January and then reviewed after six months and adjusted again if necessary.

Dakota Electric's Resource and Tax Adjustment incorporates three factors including changes in purchased power costs, the Conservation Tracker Account balance, and changes in net property taxes. The inclusion of the tax adjustment factor in the RTA means that each rate schedule potentially has its own unique adjustment amount.

Schedule A1 shows the summary calculation for all adjustments for all rate classes. The Residential customers served under Schedule 31 will have an RTA charge of \$0.0025 per kWh.

In Docket Number E-111/M-11-987, the Minnesota Public Utilities Commission approved Dakota Electric's petition to eliminate the requirement to submit an Annual Conservation Tracker Account Report, conditioned upon DEA augmenting its RTA by including monthly supporting detail and conservation spending threshold calculations associated with the property tax component included in the RTA. Schedule E includes monthly supporting detail regarding conservation spending and recoveries, and Schedule F confirms DEA's compliance with Minnesota Statute 216B.241, Subdivision 1b., Part (e). This statute indicates that load management activities that do not reduce energy use but that increase the efficiency of the electric system may be used to meet 50% of conservation spending requirements. Therefore

conservation projects that do reduce energy use must be used to meet at least 50% of the statutory spending requirement.

Schedule A2-1, A2-2, B1, and the Appendix are clearly identified as containing TRADE SECRET INFORMATION. Specifically, these sections include competitive wholesale capacity and energy price information which is not available to the public. Disclosure of this information could be used by market participants to the disadvantage of our wholesale power supplier.

If you have any questions about the information in this filing, please contact me at 651-463-6130 or Doug Larson at 651-463-6258.

Sincerely,

/s/

Corey Hintz  
Director of Financial Planning,  
Analysis and Regulatory

Attachments



Your Touchstone Energy<sup>SM</sup> Partner 

The Touchstone Energy logo consists of three stylized human figures in red, blue, and yellow, standing on a green curved line that represents a horizon or a path.

**Public Document – Excludes Trade Secret Information**

# **Annual Resource & Tax Adjustment**

**January 2019 Through  
December 2019**

**January 9, 2019**

# Dakota Electric Association

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# Dakota Electric Association

## Resource & Tax Adjustment Methodology

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### **Purchased Power Cost Adjustment**

Dakota Electric Association's (DEA) annualized resource & tax adjustment is calculated based on a projected calendar year: January 1<sup>st</sup> to December 31<sup>st</sup>. This calendar year coincides with the annual adjustment of wholesale power rates by DEA's wholesale power supplier, Great River Energy (GRE). The monthly capacity billings are based upon DEA's actual coincident peak kW demand.

The difference between the projected cost of power and DEA's approved base cost of power is the purchased power adjustment credit or charge that is reflected on customers' bills. The projected purchased power cost adjustment factor is implemented beginning with the January, cycle-1 billing period.

After six months, the projected power cost is compared to actual, and known changes are analyzed to determine whether a change in the power cost adjustment factor is necessary to zero out the over-recovery or under-recovery accumulated since January 1st. If an adjustment is necessary, the factor is changed beginning with July consumption.

Since the aggregate power cost adjustment credit or charge is based upon a projected level of sales, the actual credit or charge will typically not equal the projection. To account for this difference, a true-up calculation is performed at the end of each fiscal year, and the net over-recovery or under-recovery is deducted from, or added to, the subsequent year's power cost to be recovered.

### **DSM & Conservation Recovery**

The approved DSM & conservation additions from the prior calendar year are recovered during the following January 1<sup>st</sup> through December 31<sup>st</sup>. The recovery factor is computed using the same kWh sales projections used for the purchased power cost adjustment factor, as noted above.

Since the aggregate DSM & conservation recovery charge is based upon a projected level of sales, the actual recovery will typically not equal the projection. To account for this difference, a true-up calculation is performed at the end of each fiscal year, and the net over-recovery or under-recovery is deducted from, or added to, the subsequent year's DSM & conservation balance to be recovered.

### **Property and Real Estate Tax Recovery**

The projected recovery of taxes due in May and October of a calendar year are recovered from January 1<sup>st</sup> through December 31<sup>st</sup>. The recovery factor is computed using the same kWh sales projections used for the purchased power cost adjustment factor and DSM & conservation recovery factor, as noted above.

Since the aggregate property & real estate tax recovery charge or credit is based upon a projected level of sales, the actual recovery will typically not equal the projection. To account for this difference, a true-up calculation is performed at the end of each fiscal year, and the net over-recovery or under-recovery is deducted from, or added to, the subsequent year's property and real estate tax balance to be recovered.

Prior to the 2017 RTA application, Dakota Electric Association was not permitted to include a property tax adjustment within the Resource and Tax Adjustment if the Cooperative's energy conservation program spending fell below 1.75% of gross operating revenue. The passage of Minnesota Statute 216B.1647 in the 2016 Minnesota Legislative Session removed this requirement on Dakota Electric's future application of the property tax adjustment within the Resource and Tax Adjustment. The property tax adjustment is no longer tied to meeting a threshold for spending on CIP programs.

# Dakota Electric Association

## Resource & Tax Adjustment Methodology (Continued)

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### **Resource and Tax Adjustment Factor**

The purchased power cost adjustment factor, DSM & conservation recovery factor, and property and real estate tax recovery factor are combined. The net credit or charge per kWh appears on customers' bills as a single line titled "Resource and Tax Adjustment".

# Dakota Electric Association

## Summary of Resource & Tax Adjustment Schedules

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**Schedule A1** summarizes the resource and tax adjustment factors for all rate classes for the calendar year ending December, 2019. The three factors which comprise the resource and tax adjustment factor: the power cost adjustment factor, DSM & conservation recovery factor, and property and real estate tax recovery factor are shown for each rate class. In addition, the net effective energy rate per class is shown. Schedule A1.1 shows the base calculation for the resource and tax adjustment components included in the 2014 general rate filing Docket No. E-111/GR-14-482.

**Schedule A2** uses known power cost billing information and projected sales to compute a purchased power cost adjustment factor for the rate classes for the calendar year ending December 31, 2019. This schedule begins with a carryover of the accumulated over-recovery or under-recovery of the cost of purchased power to date (from Schedule B1). Schedule A2-2 details the projected power cost correction recovery mechanism for calendar year 2019.

**Schedule A3** computes the DSM & conservation recovery factor based on 1) projected sales for the calendar year ending December 31, 2019, 2) projected additions for calendar 2018 (from Schedule F) and 3) the accumulated over-recovery or under-recovery to date (from Schedule B2).

**Schedule A4** computes the property and real estate tax recovery factor based on 1) projected sales for the calendar year ending December 31, 2019, and 2) estimated property and real estate tax payable during calendar 2019 (Schedule A4-3). Schedule A4-2 details the tax factor by rate class.

**Schedule B1** computes the accumulated over-recovery or under-recovery of purchased power costs through the previous calendar year ended December 31, 2018, based on actual sales and power costs. Schedule B1-1 details the power cost recovery mechanism for 2018.

**Schedule B2** computes the accumulated over-recovery or under-recovery of DSM & conservation costs through the previous calendar year ended December 31, 2018, based on actual sales and recoveries.

**Schedule B3** computes the accumulated over-recovery or under-recovery of property & real estate taxes through the previous fiscal year ended December 31, 2018, based on actual sales and recoveries.

**Schedule C** compares the projected total kWh sales and utility usage found in schedules A2 through A4, with historical sales and usage.

**Schedule D** computes the weighted average distribution line loss over the most recent five-year period. This line loss percentage is used in schedule A2 to compute projected energy purchases.

**Schedule E** is a recap of the projected DSM & conservation balance at December 31, 2018 and the approved additions during 2018.

**Schedule F** lists the 2018 spending on conservation programs that reduce energy use.

**Appendix** is a copy of the calendar year 2019 wholesale power rates for DEA from Great River Energy. Trade Secret Data

**Dakota Electric Association  
Resource & Tax Adjustment Summary Schedule  
For the Twelve Months Ending December 31, 2019**

Rate	Base Cost of Power	Power Cost Adjustment	DSM & Conservation Adjustment	Property & Real Estate Tax Adjustment	Total Resource & Tax Adjustment	Summer Months Tariffed Energy Rate	Other Months Tariffed Energy Rate	Average Energy Rate	Approximate Net Effective Energy Rate
A	B	C	D	E	F=C+D+E	G	H	I	J=F+I
31 Residential	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	\$0.13080	\$0.11680	\$0.12064	\$0.12314
32 Resl Dem Ctrl	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	\$0.07600	\$0.07600	\$0.07600	\$0.07850
36 Irrigation - Firm	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	\$0.04990	\$0.04990	\$0.04990	\$0.05240
37 Irrigation - Interruptible	\$0.0497	(\$0.0006)	\$0.0001	\$0.0000	<b>(\$0.0005)</b>	\$0.04990	\$0.04990	\$0.04990	\$0.04940
41 Sm Genl Serv	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	\$0.12690	\$0.11290	\$0.11630	\$0.11880
44 Street Lights	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	Various	Various	Various	Various
44B Security Lgts	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	Various	Various	Various	Various
45 Low Wattage Unmetered	n/a	n/a	n/a	n/a	<b>n/a</b>	\$10.00 / mo.			\$10.00 / mo.
46 General Service	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	\$0.07760 1st 200kWh per kW, next 200 @ \$0.06760, over 400 @ \$0.05760		\$0.0726	\$0.0751
47 Municipal Civil Defense	n/a	n/a	n/a	n/a	<b>\$0.0000</b>	\$5.00 / mo.			\$5.00 / mo.
49 Geothermal Heat Pump	\$0.0775	\$0.0018	\$0.0001	\$0.0000	<b>\$0.0019</b>	\$0.09400	\$0.09400	\$0.09400	\$0.09590
51 Controlled Energy Storage	\$0.0200	\$0.0005	\$0.0001	\$0.0000	<b>\$0.0006</b>	\$0.04400	\$0.04400	\$0.04400	\$0.04460
52 Controlled Interruptible	\$0.0305	\$0.0046	\$0.0001	\$0.0000	<b>\$0.0047</b>	\$0.05500	\$0.05500	\$0.05500	\$0.05970
53 Time of Day - Res'l	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	\$0.18800 peak summer, \$0.17400 peak other (4-11pm) peak (11pm-4am)		\$0.09400 off	
54 Time of Day - Genl Service	\$0.0903	\$0.0024	\$0.0001	\$0.0000	<b>\$0.0025</b>	\$0.04990	\$0.04990	\$0.04990	\$0.05240
70 Interruptible Option - Full	\$0.0497	(\$0.0006)	\$0.0001	\$0.0000	<b>(\$0.0005)</b>	\$0.04990	\$0.04990	\$0.04990	\$0.04940
71 Interruptible Option - Partial	\$0.0497	(\$0.0006)	\$0.0001	\$0.0000	<b>(\$0.0005)</b>	\$0.04990	\$0.04990	\$0.04990	\$0.04940
81 Cycled Air Metered	n/a	n/a	n/a	n/a	<b>n/a</b>	(\$0.032)/kWh			(\$0.032)/kWh
82 Cycled Air Res'l	n/a	n/a	n/a	n/a	<b>n/a</b>	(\$13)/mo			(\$13)/mo
84 Cycled Air Comm'l	n/a	n/a	n/a	n/a	<b>n/a</b>	(\$6.50)/ton			(\$6.50)/ton



**Dakota Electric Association**  
**Base Calculation for Resource & Tax Adjustment Components**

**Energy Cost Adjustment (ECA)**

Average Wholesale Energy Cost per kWh	\$	0.0497
Rate 70 & 71 Energy Sales		434,725,200
Rate 36 Interruptible Energy Sales		10,342,800
Interruptible Wholesale Energy Cost	= \$	<u>22,109,131</u>
<b>ECA Base per kWh Sold</b>	<b>\$</b>	<b>0.0497</b>

**Load Management Rates**Rate 51

GRE Wholesale Cost - ETS Water Heating	\$	0.0200
Rate 51 - ETS Water Heating Sales	x	7,887,594
Rate 51 - ETS Water Heating Power Cost	= \$	<u>157,752</u>

GRE Wholesale Cost - ETS Space Heating	\$	0.0200
Rate 51 - ETS Space Heating Sales	x	1,605,105
Rate 51 - ETS Space Heating Power Cost	= \$	<u>32,102</u>

GRE Wholesale Cost - ETS Electric Vehicle	\$	0.0200
Rate 51 - ETS Electric Vehicle Sales	x	36,981
Rate 51 - ETS Electric Vehicle Power Cost	= \$	<u>740</u>

Rate 51 Power Costs	\$	190,594
Rate 51 Energy Sales	÷	9,529,680
<b>Rate 51 Weighted Power Cost Base per kWh Sold</b>	<b>= \$</b>	<b><u>0.0200</u></b>

Rate 52

GRE Wholesale Cost - Peak Shave Water Heating	\$	0.0285
Rate 52 - Peak Shave Water Heating Sales	x	25,884,516
Rate 52 - Peak Shave Water Heating Power Cost	= \$	<u>737,709</u>

GRE Wholesale Cost - Dual Fuel Space Heating	\$	0.0330
Rate 52 - Dual Fuel Space Heating Sales	x	20,943,996
Rate 52 - Dual Fuel Space Heating Power Cost	= \$	<u>691,152</u>

Rate 52 Power Costs	\$	1,428,861
Rate 52 Energy Sales	÷	46,828,512
<b>Rate 52 Weighted Power Cost Base per kWh Sold</b>	<b>= \$</b>	<b><u>0.0305</u></b>

**Dakota Electric Association**  
**Base Calculation for Resource & Tax Adjustment Components**

**Geothermal**

Rate 49

GRE Wholesale Cost - Geothermal	\$	0.0775
Rate 49 - Geothermal Energy Sales	x	387,300
Rate 49 - Geothermal Power Cost	= \$	30,016

**Rate 49 Power Cost Base per kWh Sold** \$ **0.0775**

**Power Cost Adjustment (PCA)**

Total Wholesale Power Cost	\$	149,982,061 <sup>A</sup>
ECA Power Cost	-	22,109,131
Rate 51 Power Cost	-	190,594
Rate 52 Power Cost	-	1,428,861
Rate 49 Power Cost	-	30,016
Wellspring (wholesale pass-through)	-	39,427
Standby (wholesale pass-through)	-	21,630
Firm Wholesale Power Cost	=	126,162,402
Firm kWh Energy Sales	÷	1,396,393,368
<b>PCA Power Cost Base per kWh Sold</b>	= \$	<b>0.0903</b>

Total Wholesale Power Cost	\$	149,982,061
Total Energy Sales	÷	1,898,206,860 <sup>B</sup>
<b>Total System Power Cost per kWh Sold</b>	= \$	<b>0.0790</b>

Notes:

- A See Exhibit\_\_(DEA-1), page 20 of 20.
- B See Exhibit\_\_(DEA-1), page 12 of 20.

**Dakota Electric Association  
Base Calculation for Resource & Tax Adjustment Components**

**Conservation & DSM Spending Base Calculation**

2014 Budget Conservation & DSM Spending	\$	2,251,473 <sup>C</sup>
Test Year MWh Sales		1,898,207
<b>Conservation &amp; DSM Base per kWh</b>	<b>\$</b>	<b>0.0012</b>

**Property Tax Recovery Base Calculation**

Test Year Real & Personal Property Taxes	\$	3,700,450 <sup>D</sup>
Test Year MWh Sales		1,898,207
<b>Property &amp; R/E Tax Recovery Base per kWh</b>	<b>\$</b>	<b>0.0019</b>

Allocation to Rate Classes Using Cost of Service Method		
Class & Rate	Property & Real Estate Taxes in Rate Base <sup>E</sup>	% of Taxes
Residential & Farm Service	\$ 2,668,288	72.11%
31 Residential		
32 Res'l Demand Control		
53 Res'l Time of Day		
Irrigation - 36	27,096	0.73%
Small General Service - 41	157,509	4.26%
General Service - 46	444,762	12.02%
46 - General Service		
49 - Geothermal		
54 - General Service Time of Day		
Interruptible Service - 70 & 71	318,376	8.60%
Lighting - 44, 44-1, 44-2, 44-3	84,419	2.28%
<b>TOTAL</b>	<b>\$ 3,700,450</b>	<b>100.00%</b>

Notes:

<sup>C</sup> See Workpaper #9

<sup>D</sup> Per Summary of Test Year Adjustments, Exhibit\_\_(DEA\_1) Page 2 of 20.

<sup>E</sup> Per Allocation of Revenue Requirements to Rate Classes, Exhibit\_\_(DEA-3).

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Energy Cost Adjustment Projection  
For the Twelve Months Ending December 31, 2019**

Schedule A2-1

Page 1 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Load Management Rate 51 Adjustment Projection  
For the Twelve Months Ending December 31, 2019**

Schedule A2-1

Page 2 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Load Management Rate 52 Adjustment Projection  
For the Twelve Months Ending December 31, 2019**

Schedule A2-1

Page 3 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Geothermal Adjustment Projection  
For the Twelve Months Ending December 31, 2019**

Schedule A2-1

Page 4 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Power Cost Adjustment Projection  
For the Twelve Months Ending December 31, 2019**

Schedule A2-1

Page 5 of 5

**Trade Secret Data has been excised.**



**Dakota Electric Association  
Power Cost Adjustment Projection  
Estimated Power Cost Correction Recovery Mechanism  
For the Twelve Months Ending December 31, 2019**

**Trade Secret Data has been excised.**

**Dakota Electric Association**  
**Projected DSM & Conservation Recovery Factor**  
**For the Twelve Months Ending December 31, 2019**

Schedule A3

(A)	(B)	(C)	
2018 DSM & Conservation Tracker Expenses		\$ 2,378,977	Schedule E, Column F
2018 Recovery in Base Rates		(2,223,614)	Schedule E, Column G
Subtotal		155,363	
2018 Carrying Cost		30,204	Schedule E, Column C
2018 Tracker Additions		185,567	
Cumulative True-Up (Over) / Under-Recovery at 12/31/18		33,331	Schedule B2
Total to Recover 2019		\$ 218,898	
Projected Calendar Year 2019 kWh Sales		1,809,300,000	
<b>Tracker Account Recovery Factor</b>		<b>\$ 0.0001</b>	<b>per kWh</b>

**Projected Recovery Results**

Month	Projected kWh Sales	Projected DSM & Conservation Recovery
Jan-19	155,851,000	\$ 15,585
Feb-19	137,025,000	13,703
Mar-19	138,450,000	13,845
Apr-19	127,745,000	12,775
May-19	140,912,000	14,091
Jun-19	166,534,000	16,653
Jul-19	188,564,000	18,856
Aug-19	180,004,000	18,000
Sep-19	151,698,000	15,170
Oct-19	133,655,000	13,366
Nov-19	134,146,000	13,415
Dec-19	154,716,000	15,472
Total kWh Sales	1,809,300,000	\$ 180,931
Total to Recover 2019		218,898
<b>Net Projected Over / (Under) Recovery at 12/31/19</b>		<b>\$ (37,967)</b>

**Dakota Electric Association**  
**Projected Property & Real Estate Tax Recovery Factor**  
**For the Twelve Months Ending December 31, 2019**

Schedule A4-1

(A)	(B)	(C)	
Estimated 2019 Real & Personal Property Taxes*		3,471,249	Schedule A4-3
Projected 2019 Recovery in Base Rates		<u>(3,437,670)</u>	
Projected 2019 (Over) / Under-Recovery in Base Rates		33,579	
Cumulative True-Up (Over) / Under-Recovery at 12/31/2018		<u>(26,738)</u>	Schedule B3, Column B
Recoverable Balance for 2019		<u>\$ 6,841</u>	
Projected Calendar Year 2019 kWh Sales		<u>1,809,300,000</u>	
<b>Average Property &amp; Real Estate Tax Recovery</b>		<u>\$ -</u>	<b>per kWh</b>
<b>Note: See Schedule A4-2 for recovery factor by class detail</b>			

Month	Projected kWh Sales	Projected Property & Real Estate Tax Recovery
Jan-19	155,851,000	\$ -
Feb-19	137,025,000	-
Mar-19	138,450,000	-
Apr-19	127,745,000	-
May-19	140,912,000	-
Jun-19	166,534,000	-
Jul-19	188,564,000	-
Aug-19	180,004,000	-
Sep-19	151,698,000	-
Oct-19	133,655,000	-
Nov-19	134,146,000	-
Dec-19	<u>154,716,000</u>	-
Total kWh Sales	1,809,300,000	\$ -
Recoverable balance for 2019		<u>6,841</u>
<b>Net Projected Over / (Under) Recovery at 12/31/19</b>		<u><b>\$ (6,841)</b></u>

\* Refers to 2018 taxes payable in 2019

Dakota Electric Association

Schedule A4-2

**Projected Property & Real Estate Tax Adjustment  
Allocation to Rate Classes Using Cost of Service Method  
For the Twelve Months Ending December 31, 2019**

Class & Rate	Property & Real Estate Taxes in Rate Case	% Plant	Current Recoverable Balance	(Over)/Under Recovered 12/31/2018	Net Recoverable Balance	Forecasted kWh Sales 1/2019 -12/2019	Adjustment per kWh
A	B	C	D			E	F
Residential	\$2,668,288	72.11%	\$24,214	7,968	\$32,182	878,403,000	\$0.0000
31 Residential							
32 Resl Demand Control							
53 Resl Time of Day							
Irrigation	27,096	0.73%	245	17	262	7,659,000	0.0000
36 Irrigation							
37 Irrigation - Controlled							
Small General Service - 41	157,509	4.26%	1,430	427	1,857	42,545,000	0.0000
General Service	444,762	12.02%	4,036	(23,410)	(19,374)	464,319,000	0.0000
46 General Service							
49 Geothermal							
54 General Service Time of Day							
Interruptible Option - 70 & 71	318,376	8.60%	2,888	(11,410)	(8,522)	405,236,000	0.0000
Lighting	84,419	2.28%	766	(329)	437	11,138,000	0.0000
44 Street Lights							
44B Security Lights							
<b>TOTAL</b>	<b>\$3,700,450</b>	<b>100.00%</b>	<b>33,579</b>	<b>(\$26,738)</b>	<b>\$6,841</b>	1,809,300,000	<b>\$0.0000</b>

**Dakota Electric Association**  
**Property & Real Estate Taxes by Location**  
**Estimated 2018 Taxes Payable in 2019**

Schedule A4-3

**PERSONAL PROPERTY TAXES**

<u>Dakota County</u>	
Apple Valley / 196	\$ 517,905.70
Apple Valley / 191	5,113.68
Burnsville / 191	304,721.70
Burnsville / 194	41,604.04
Burnsville / 196	194,402.52
Burnsville Sub / 196 (Leased Land)	24,231.44
Burnscott Sub / 191 (Leased Land)	15,728.90
Castle Rock Twp (Randolph) / 195	2,315.36
Eagan / 191	54,426.38
Eagan / 196	527,173.88
Eagan / 197	83,788.14
Pilot Knob Sub / 196 (Leased Land)	14,911.34
Eagan Sub / 196 Westcott (L.L.)	32,658.42
Farmington / 192	117,131.78
Randolph Sub / 195	-
Hastings / 200	29,813.64
Inver Grove Heights / 199	23,118.32
Inver Grove Heights / 196	78,592.74
Lakeville / 196	93,258.00
Lakeville / 194	396,257.44
Lakeville / 192	52,333.72
Miesville / 200	2,350.60
New Trier / 200	103.64
Rosemount / 200	29.00
Rosemount / 196	70,850.68
<u>Scott County</u>	
Lake Marion Sub / 194 (Leased Land)	9,222.15
<u>Goodhue County</u>	
Cannon Falls Twp	5,598.00
Burnside Twp (Redwing)	20,042.00
<u>Great River Energy</u>	
Empire Sub / 192	14,223.18
<u>Xcel Energy</u>	
Vermillion Sub / 192	21,736.91
<b>Total Property Taxes</b>	<b>2,753,643.31</b>
Total Personal Property Taxes	

**REAL ESTATE TAXES**

<u>Dakota County</u>	
Fischer Sub - Apple Valley / 196	\$ 45,901.34
Apple Valley Sub - Apple Valley / 196	27,306.46
Colonial Hills Sub - Burnsville / 191	33,921.06
Castle Rock Sub South / 659	4,249.94
Castle Rock Sub North / 659	45.38
Lemay Sub West - Eagan / 197	1,586.02
Lemay Sub East - Eagan / 197	27,641.22
Lakeville Par 7 / 196	9.60
Deerwood Sub - Eagan Sub / 196	21,726.02
Lebanon Hills Sub - Eagan / 196	-
Eagan Sub / 196	24,115.68
Lebanon Hills Sub - Eagan / 196	12,698.30
River Hills Sub - Eagan / 196	47,001.04
Yankee Doodle Sub - Eagan / 196	31,065.30
Farmington Sub / 192	2,619.06
Randolph Sub / 195	21,463.10
Rich Valley Sub - Inver Grove / 196	4,062.78
Orchard Lake Sub - Lakeville / 194	18,709.90
Dakota Heights Sub - Lakeville / 194	21,605.43
Dodd Park Sub South - Lakeville / 194	316.52
Dodd Park Sub North - Lakeville / 194	20,498.68
Kenrick Sub - Lakeville / 194	31,704.52
Lakeville Sub / 196	17,423.64
Ritter Sub / 194	36,437.39
Hastings Sub / 200	14,067.20
Nininger Sub / 200	18,961.66
Marshan Twp / 200	10,318.98
Miesville Sub South / 200	13,027.02
Miesville Sub Northwest / 200	2,397.36
Headquarters Building	153,225.24
<u>Goodhue County</u>	
Byllesby Sub - Cannon Falls Twp	7,026.00
Ravenna Sub	30,912.00
<u>MN Valley Electric</u>	
Burnscott Joint Sub	4,263.46
<u>Xcel Energy</u>	
Vermillion Sub / 192	11,298.68
<b>Total Real Estate Taxes</b>	<b>\$ 717,605.97</b>
Total Real Estate Taxes	

**GRAND TOTAL TAXES** **\$ 3,471,249.28**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Energy Cost Adjustment  
For the Twelve Months Ending December 31, 2018**

Schedule B1

Page 1 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Load Management Rate 51 Adjustment  
For the Twelve Months Ending December 31, 2018**

Schedule B1

Page 2 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Load Management Rate 52 Adjustment  
For the Twelve Months Ending December 31, 2018**

Schedule B1

Page 3 of 5

**Trade Secret Data has been excised.**



***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Geothermal Adjustment  
For the Twelve Months Ending December 31, 2018**

Schedule B1

Page 4 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Power Cost Adjustment  
For the Twelve Months Ending December 31, 2018**

Schedule B1

Page 5 of 5

**Trade Secret Data has been excised.**

***CONTAINS TRADE SECRET INFORMATION***

**Dakota Electric Association  
Power Cost Adjustment Projection  
2018 Actual Power Cost Correction Recovery Mechanism**

Schedule B1-1

**Trade Secret Data has been excised.**

**Dakota Electric Association**  
**Actual DSM & Conservation Over / Under Recovery**  
**For the Twelve Months Ending December 31, 2018**

Schedule B2

(A)	(B)	(C)	(D)
Month	Projected kWh Sales	Actual Billed kWh Sales	Resource Recovery @ 0.0005/kWh
Jan-18	157,904,000	162,351,533	81,176
Feb-18	138,692,000	145,730,260	72,865
Mar-18	141,279,000	131,482,708	65,741
Apr-18	129,935,000	138,785,897	69,393
May-18	139,349,000	136,131,989	68,066
Jun-18	165,666,000	167,031,256	83,516
Jul-18	191,472,000	189,017,460	94,509
Aug-18	183,316,000	191,850,443	95,925
Sep-18	154,613,000	172,010,720	86,005
Oct-18	136,939,000	141,396,433	70,698
Nov-18	139,854,000	133,247,820	66,624
Dec-18	158,471,000	143,974,983	71,987
<b>Total kWh Sales</b>	<b>1,837,490,000</b>	<b>1,853,011,502</b>	<b>926,506</b>
Actual DSM & Conservation Recovery		\$	926,506 (D) total from above
Less DSM & Conservation Additions in 2017		\$	924,942 Schedule E, Column C+E
Over (Under) Recovery at December 31, 2018		\$	1,564 Recovery - 2017 Additions
Cumulative Over (Under) Recovery at December 31, 2017		\$	(34,895) January 2018 RTA Filing Schedule B2
<b>Cumulative Over (Under) Recovery at December 31, 2018</b>		<b>\$</b>	<b>(33,331)</b>

**Dakota Electric Association**  
**Property & Real Estate Tax (Over)/Under Recovery**  
**Year Ended December 31, 2018**

Schedule B3

A	B	C	D	E	F	G	H	I
Month	Property Tax Account # 16130 Balance	Monthly (Over)/Under Recovery	Carrying* Cost @ 6.52%	Resource Adjustment Recovery	Base Rate Recovery	Total Recovery	Property & Real Estate Taxes Payable	Additions to Tax Tracker Account
Dec-17	49,565							
Jan-18	45,279	(4,287)	269	4,421	308,468	312,889	308,333	(135)
Feb-18	72,933	27,654	246	4,038	276,887	280,925	308,333	31,446
Mar-18	127,985	55,052	396	3,860	249,817	253,677	308,333	58,516
Apr-18	169,376	41,391	695	3,944	263,693	267,637	308,333	44,640
May-18	216,053	46,676	920	3,926	258,651	262,577	308,333	49,682
Jun-18	203,471	(12,582)	1,174	4,730	317,359	322,089	308,333	(9,026)
Jul-18	148,642	(54,828)	1,106	5,134	359,133	364,267	308,333	(50,800)
Aug-18	88,151	(60,491)	808	5,116	364,516	369,632	308,333	(56,183)
Sep-18	65,349	(22,802)	479	4,794	326,820	331,614	308,333	(18,487)
Oct-18	31,437	(33,912)	355	3,791	268,653	272,444	238,177	(30,476)
Nov-18	12,650	(18,787)	171	3,964	253,171	257,135	238,177	(14,994)
Est Dec-18	(26,738)	(39,387)	69	4,081	273,552	277,633	238,177	(35,375)
<b>Total</b>	<b>(26,738)</b>	<b>(76,303)</b>	<b>6,688</b>	<b>51,799</b>	<b>3,520,720</b>	<b>3,572,519</b>	<b>3,489,528</b>	<b>(31,192)</b>
						(= E + F)		(= H - F)

**Dakota Electric Association**  
**Projected kWh Sales & Usage**  
**For the Twelve Months Ending December 31, 2019**

Schedule C

(A) <b>KWH Sold</b>	(B) (C) (D) (E) (F) Historical Sales					(G) Projected
	2014	2015	2016	2017	2018	2019
Jan	163,031,366	153,802,214	153,660,508	153,324,265	156,721,366	155,851,000
Feb	143,476,639	139,609,638	136,674,375	129,099,021	137,383,267	137,025,000
Mar	145,116,644	137,452,561	134,006,431	138,664,070	138,168,544	138,450,000
Apr	130,795,516	125,942,192	127,143,895	155,129,564	130,637,682	127,745,000
May	140,700,505	134,241,005	140,205,110	135,072,171	155,695,725	140,912,000
Jun	162,636,408	159,727,676	171,188,740	167,246,804	173,336,320	166,534,000
Jul	176,185,540	188,076,210	194,417,314	194,818,559	192,950,060	188,564,000
Aug	189,048,881	176,198,869	189,139,131	161,586,588	187,464,790	180,004,000
Sep	144,013,151	159,986,766	148,362,495	155,806,803	153,135,516	151,698,000
Oct	134,412,956	132,983,623	135,482,227	134,001,899	133,899,233	133,655,000
Nov	143,867,239	134,039,036	134,297,451	138,838,188	140,900,694	134,146,000
Dec	155,150,472	150,254,953	157,396,452	156,900,851	158,471,000	154,716,000
	1,828,435,317	1,792,314,743	1,821,974,129	1,820,488,783	1,858,764,197	1,809,300,000
# Increase/(Decrease)	(31,063,848)	(36,120,574)	29,659,386	(1,485,346)	38,275,414	(49,464,197)
% Increase	-1.67%	-1.98%	1.65%	-0.08%	2.10%	-2.7%

(A) <b>Own Use</b>	(B) (C) (D) (E) (F) Historical Sales					(G) Projected
	2014	2015	2016	2017	2018	2019
Jan	358,100	324,408	299,202	318,650	324,083	319,000
Feb	345,764	317,425	266,336	237,845	277,299	285,000
Mar	281,255	229,479	196,608	239,423	224,806	231,000
Apr	175,066	149,561	154,725	136,746	209,210	151,000
May	112,250	103,468	104,308	105,730	91,931	104,000
Jun	103,902	109,485	109,381	94,702	94,082	103,000
Jul	107,414	111,223	111,058	98,835	99,920	105,000
Aug	111,570	112,210	115,113	97,965	101,261	107,000
Sep	98,898	106,731	103,822	90,212	89,340	98,000
Oct	115,145	101,455	108,514	115,517	116,795	108,000
Nov	234,295	139,948	166,064	237,552	245,202	190,000
Dec	261,818	239,882	317,421	291,369	290,000	273,000
	2,305,477	2,045,275	2,052,552	2,064,546	2,163,929	2,074,000
# Increase/(Decrease)	(48,604)	(260,202)	7,277	11,994	99,383	(89,929)
% Increase	-2.06%	-11.29%	0.36%	0.58%	4.81%	-4.2%

**Dakota Electric Association  
System Line Loss  
Five-Year Average**

Schedule D

(A)	(B)	(C)	(D)	(E)	(F)
Year	kWh Purchased	kWh Sold	kWh Own Use	kWh Loss*	Line Loss % of Purchases
2014	1,887,361,641	1,828,435,319	2,305,477	56,620,845	3.000%
2015	1,849,855,685	1,792,314,743	2,045,275	55,495,668	3.000%
2016	1,872,717,331	1,821,974,126	2,052,552	48,690,653	2.600%
2017	1,840,403,827	1,820,488,783	2,064,546	17,850,498	0.970%
2018	1,908,643,435	1,858,764,197	2,163,929	47,715,309	2.500%
Total	<u>9,358,981,919</u>	<u>9,121,977,168</u>	<u>10,631,779</u>	<u>226,372,973</u>	<u>2.420%</u>

- \* 2016 reflects the impact of a reduction in line loss % from 3.0% to 2.6% based on a system-wide line loss analysis
- \* 2017 kWh sold includes a 30 million kWh impact for an unbilled/line loss true-up. Line loss % of purchases is 2.6% excluding the true-up
- \* 2018 reflects the impact of a reduction in line loss % from 2.6% to 2.5% based on a system-wide line loss analysis

Source of Data & Computations

- (B) CFC Form 7, Part R, Line 16: 12/31
- (C) CFC Form 7, Part R, Line 11: 12/31
- (D) CFC Form 7, Part R, Line 15: 12/31
- (E) (B) - (C) - (D)
- (F) (E) / (B)

**Dakota Electric Association**  
**DSM/Conservation Tracker Account**  
**Year Ended December 31, 2017**

Schedule E

Page 1 of 2

A	B	C	D	E	F	G
Month	Conservation Account # 16120 Balance	Carrying Cost @ 6.52%	Resource Adjustment Recovery	Additions to Tracker Account	Conservation Expenses	
					Expenses Incurred	Recovery in Base Rates
Dec-16	755,475					
Jan-17	699,749	4,105	(63,414)	3,583	193,826	(190,243)
Feb-17	660,919	3,802	(58,764)	16,133	192,426	(176,293)
Mar-17	625,060	3,591	(54,420)	14,970	178,231	(163,261)
Apr-17	558,370	3,396	(51,430)	(18,656)	135,633	(154,289)
May-17	564,890	3,034	(52,512)	55,998	213,535	(157,537)
Jun-17	577,463	3,069	(62,012)	71,516	257,552	(186,036)
Jul-17	442,309	3,138	(68,866)	(69,426)	137,174	(206,599)
Aug-17	486,484	2,403	(73,800)	115,572	336,972	(221,400)
Sep-17	814,780	2,643	(64,557)	390,211	583,883	(193,672)
Oct-17	815,886	4,427	(58,958)	55,637	232,511	(176,874)
Nov-17	912,566	4,433	(55,502)	147,749	314,255	(166,507)
Dec-17	959,146	4,958	(57,035)	98,657	269,762	(171,105)
Annual Total		42,999	(721,272)	881,943	3,045,758	(2,163,815)

(= F + G)



**Dakota Electric Association**  
**DSM/Conservation Tracker Account**  
**Year Ended December 31, 2018**

Schedule E

Page 2 of 2

A	B	C	D	E	F	G
Month	Conservation Account # 16120 Balance	Carrying Cost @ 6.52%	Resource Adjustment Recovery	Additions to Tracker Account	Conservation Expenses	
					Expenses Incurred	Recovery in Base Rates
Dec-17	959,146					
Jan-18	901,002	5,211	(81,176)	17,822	212,644	(194,822)
Feb-18	776,500	4,895	(72,865)	(56,532)	118,344	(174,876)
Mar-18	712,357	4,219	(65,741)	(2,620)	155,159	(157,779)
Apr-18	610,062	3,870	(69,393)	(36,772)	129,771	(166,543)
May-18	552,507	3,315	(68,066)	7,196	170,554	(163,358)
Jun-18	448,799	3,002	(83,516)	(23,195)	177,243	(200,438)
Jul-18	253,389	2,438	(94,509)	(103,339)	123,482	(226,821)
Aug-18	113,724	1,377	(95,925)	(45,117)	185,104	(230,221)
Sep-18	56,045	618	(86,005)	27,709	234,122	(206,413)
Oct-18	13,847	305	(70,698)	28,195	197,871	(169,676)
Nov-18	161,724	75	(66,624)	214,426	374,323	(159,897)
Est. Dec-18	218,207	879	(71,987)	127,591	300,361	(172,770)
Annual Total		30,204	(926,506)	155,363	2,378,977	(2,223,614)

(= F + G)

DAKOTA ELECTRIC ASSOCIATION  
Conservation Projects  
Eligible for Tracker Account Cost Recovery

		2017												
		Total	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
ACTUNEUP	Air Conditioning Tune-Up	6,095	56	65	1,054	115	224	454	1,230	1,059	778	711	223	125
AUDC	Energy Audits - Commercial	9,059	402	421	794	898	1,019	943	488	570	508	426	980	1,610
AUDLOW	Low Income Audit Program	4,908	-	-	-	69	-	-	379	-	76	76	-	4,309
AUDR	Energy Audits - Residential	24,885	1,478	2,552	3,466	1,526	1,530	2,172	1,271	2,642	3,684	2,336	827	1,402
BLDCIP	Building Improve. - Conservation Related	710	-	-	710	-	-	-	-	-	-	-	-	-
CACCI	Cycled Air - C&I	2,359	238	-	116	69	509	1,228	-	-	120	-	-	78
CACRES	Cycled Air - Residential	127,724	2,715	1,743	3,421	9,668	18,331	23,897	11,907	4,556	24,904	5,984	8,118	12,480
CFLRES	Compact Fluorescent Lighting	632	37	49	48	67	17	2	323	43	19	-	27	-
CIGRANT	Energy Grant	1,006,983	82,437	29,429	28,297	36,539	65,649	19,016	14,814	137,393	372,908	89,918	110,321	20,262
CIGROUP	C&I Energy Group	7,966	144	658	762	866	2,671	498	78	285	865	349	711	78
CIPGOALS	CIP Goals	128,469	7,678	8,955	12,442	12,827	11,939	12,397	10,591	12,602	8,167	9,100	10,186	11,585
CIPNEWS	Newspaper Advert-Energy Effic/Conserv	24,935	2,698	3,469	3,804	4,240	3,804	-	-	-	989	2,000	2,242	1,689
CIRC	Circuits - DSM	111,562	9,291	9,140	8,830	9,923	9,041	9,103	9,154	4,509	13,982	9,377	9,420	9,794
DEHUMID	Dehumidifier Rebate	4,973	9	37	38	67	34	138	1,381	532	227	1,893	616	1
E3TRAIN	Energy Efficiency Training & Education	7,642	680	681	1,584	2,041	103	321	-	-	919	219	82	1,012
ECMMOTOR	Electron-Commutated Motor(ECM)Rebate	70,145	298	400	525	249	473	440	11,782	5,130	12,356	12,777	11,391	14,324
EIL	Energy Intelligent Lifestyle	115,812	3,673	82,947	2,955	3,752	4,492	1,807	1,735	2,774	3,646	3,431	2,394	2,205
EILPROD	Energy Intelligent Lifestyle-Products	33,850	3,086	2,563	3,242	3,319	2,440	4,131	2,367	889	3,081	3,128	2,543	3,061
ELECCAR	Electric Car	49,572	2,122	1,650	1,980	1,807	2,945	1,890	8,168	6,349	6,225	4,789	6,892	4,757
ELECHEAT	Electric Heat	21,150	3,459	3,139	1,989	1,889	918	1,226	(0)	1,420	1,072	843	1,896	3,299
ESDRYER	Energy Star Clothes Dryer	5,204	-	74	57	86	71	149	1,417	300	132	2,859	-	57
FAIRSHOW	Fairs & Shows	20,329	-	-	863	955	880	161	6,961	9,648	751	109	-	-
FRECYCLE	Fluorescent Lamp Recycling	15,438	-	-	-	-	-	-	-	-	-	-	-	15,438
FREEZER	Energy Star Freezer	2,375	65	158	105	144	98	75	329	38	38	603	93	630
GENMT	Generator Maint & Testing	19,668	613	2,768	2,974	2,508	149	4,169	1,577	177	1,390	299	2,113	931
GPUMPRES	Geothermal Heat Pumps-Residential	1,349	19	186	175	146	127	43	606	-	-	-	47	-
HIEFF	High Efficiency A/C Rebates	333,468	11,586	1,434	1,774	7,672	26,938	51,107	41,285	69,072	62,247	24,565	34,366	1,424
HPUMP	Heat Pumps - Residential	16,650	1,268	863	1,295	2,042	580	1,471	1,224	2,669	2,346	997	1,570	324
HPWH	Heat Pump Water Heater	519	-	9	10	-	-	-	-	-	-	500	-	-
INCELIGIBL	Income Eligible Non Cap Projects	35,530	-	-	-	-	-	49,500	(49,500)	20,540	-	-	4,029	10,961
IRRIG	Interruptible Irrigation	19,934	623	710	1,335	3,024	7,046	1,068	1,519	1,696	813	539	1,098	464
LEDLIGHTS	LED - Lights	94,715	3,955	4,190	4,063	4,779	5,097	2,710	8,158	7,247	2,999	3,917	42,084	5,517
LEDXMAS	LED - Holiday Lights	3,165	1,230	1,387	422	84	-	-	-	-	-	8	26	8
LEDYARD	LED Yard Light	30	-	-	-	-	-	-	-	-	-	30	-	-
LIACMAINT	Low Income A/C Tune-up	9,802	-	-	-	-	-	-	-	-	-	-	-	9,802
LICLSWSHR	Low Income Clothes Washer	11,820	-	-	-	-	-	-	-	-	-	-	-	11,820
LIDEHUMID	Low Income Dehumidifier Units	350	-	-	-	-	-	-	-	-	-	-	-	350
LIDISH	Low Income Dishwashers	8,145	-	-	-	-	-	-	-	-	-	-	-	8,145

DAKOTA ELECTRIC ASSOCIATION  
Conservation Projects  
Eligible for Tracker Account Cost Recovery

		2017												
		Total	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
LIFREEZER	Low Income Freezer	6,004	-	-	-	-	-	-	-	-	-	-	-	6,004
LIMICRO	Low Income Microwave Ovens	6,092	-	-	-	-	-	-	-	-	-	-	-	6,092
LIRROOMAC	Low Income Room Air Conditioner	11,735	-	-	-	-	-	-	-	-	-	-	-	11,735
LIWTRHTR	Low Income Water Heater	1,158	-	-	-	-	-	-	-	-	-	1,158	-	-
LOADCTRL	Load Control	150,097	15,304	9,381	29,727	8,483	15,534	9,751	15,563	7,395	(2,448)	10,258	21,205	9,944
PEAK	Peak Alert Rate 70	18,536	973	1,168	2,530	1,081	1,718	2,518	2,275	1,955	971	1,193	1,568	584
PLCMT & PLCMAST	Power Line Carrier DSM	50,976	24,181	4,585	1,581	1,514	6,634	3,394	1,513	1,513	1,513	1,516	1,516	1,516
POOLPUMP	Pool Pump Variable Speed Motor	2,647	-	19	-	-	-	10	-	1,210	1,010	200	200	-
REFRIGLOW	Low Income Refrigerator Replacements	17,758	-	-	-	69	-	-	-	-	-	-	-	17,689
REGD	Regulatory - DSM	133,538	981	369	31,560	-	67	31,785	158	102	32,973	185	70	35,287
RENEW	Optional Renewable Energy	2,025	990	-	-	-	-	-	-	1,035	-	-	100	(100)
RFGRCYC	Refrigerator Recycling	16,054	158	382	468	258	429	432	4,549	1,660	29	7,012	309	367
ROOMSTORG	Room Storage Electric Heat	865	180	119	378	-	-	176	-	-	-	-	-	12
SOLAR	Solar Electric General Activity & Education	58,338	1,163	3,342	4,771	3,658	6,009	6,099	6,394	6,625	6,543	6,364	4,552	2,818
STARHOME	Star Home Program	1,000	(5,000)	-	-	500	750	(1,250)	-	3,000	(1,500)	2,000	-	2,500
VMISERDEA	Vending Miser DEA customers	146	-	-	-	109	36	-	-	-	-	-	-	-
WARFZ	Working Appliance Recycling Freezer	2,332	19	75	76	77	17	40	150	225	319	1,107	131	96
WARRF	Working Appliance Recycling Refrigerator	9,771	37	102	95	96	82	61	1,004	600	1,894	5,205	115	479
WTRHTR	Water Heaters	82,286	6,881	5,108	9,816	318	7,035	5,977	7,884	11,070	8,895	6,088	6,270	6,945
	Depreciation Expense DSM-Distrib	114,376	7,923	7,923	7,923	7,923	7,923	8,267	8,267	8,267	8,267	8,267	23,752	9,675
	Depreciation Expense DSM-General	2,106	176	176	176	176	176	176	176	176	176	176	176	176
	<b>Total</b>	<b>3,045,758</b>	<b>193,826</b>	<b>192,426</b>	<b>178,231</b>	<b>135,633</b>	<b>213,535</b>	<b>257,552</b>	<b>137,174</b>	<b>336,972</b>	<b>583,883</b>	<b>232,511</b>	<b>314,255</b>	<b>269,762</b>

DAKOTA ELECTRIC ASSOCIATION  
Conservation Projects  
Eligible for Tracker Account Cost Recovery

		2018												
		Total	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Est Dec-18
ACTUNEUP	Air Conditioning Tune-Up	2,681	198	(71)	39	128	1,357	(317)	245	216	191	497	198	-
AUDC	Energy Audits - Commercial	6,335	544	282	681	416	1,059	790	336	753	368	38	77	990
AUDLOW	Low Income Audit Program	220	-	-	-	87	58	(0)	-	-	-	-	-	75
AUDR	Energy Audits - Residential	21,053	775	2,043	2,327	1,471	1,608	1,982	293	1,189	2,635	2,675	1,226	2,827
CACCI	Cycled Air - C&I	5,558	-	657	158	275	771	106	59	150	1,216	1,636	99	431
CACRES	Cycled Air - Residential	131,267	1,931	(342)	1,438	1,101	5,980	45,009	17,781	11,166	19,458	6,703	6,355	14,687
CFLRES	Compact Fluorescent Lighting	39	44	(5)	-	-	-	-	-	-	-	-	-	-
CIGRANT	Energy Grant	390,962	27,499	23,454	19,744	15,862	17,820	17,392	9,504	7,778	16,294	27,146	167,899	40,571
CIGROUP	C&I Energy Group	14,524	151	1,381	3,025	1,097	986	121	-	1,053	1,464	1,570	3,515	161
CIPGOALS	CIP Goals	108,879	10,244	8,829	8,018	8,096	9,410	7,876	8,645	7,593	7,680	7,945	10,872	13,671
CIPDIGITAL	Digital Advertising-Energy Eff/Conserv	36,153	5,800	816	3,325	3,201	3,348	3,249	3,238	(2,513)	3,100	3,504	5,136	3,950
CIPNEWS	Newspaper Advert-Energy Effic/Conserv	9,997	1,000	1,001	1,001	1,001	1,001	1,001	1	-	1,000	1,001	1,001	990
CIRC	Circuits - DSM	116,315	5,530	14,575	9,487	10,113	9,699	9,872	9,581	9,450	9,453	9,422	9,353	9,780
DEHUMID	Dehumidifier Rebate	1,654	444	(311)	-	20	95	(75)	592	49	-	160	615	66
E3TRAIN	Energy Efficiency Training & Education	10,857	68	801	2,160	3,436	2,100	281	62	-	766	11	200	972
ECMMOTOR	Electron-Commutated Motor(ECM)Rebate	25,259	26,249	(24,863)	589	1,560	2,933	(1,912)	4,238	(3,081)	1,550	9,049	8,635	311
EDUD	Education & Training - DSM	1,621	-	-	-	-	-	-	-	-	-	1,293	328	-
EIL	Energy Intelligent Lifestyle	102,402	19,402	59,078	2,806	2,841	3,042	2,076	1,250	2,656	2,129	2,058	1,726	3,339
EILPROD	Energy Intelligent Lifestyle-Products	36,619	3,602	3,884	4,156	3,339	4,430	3,552	2,941	2,201	2,543	2,102	1,653	2,216
ELECCAR	Electric Car	69,579	7,583	(1,059)	4,258	4,631	15,377	(5,104)	2,592	3,844	9,092	17,177	8,524	2,664
ELECHEAT	Electric Heat	16,239	3,079	3,287	1,619	1,023	361	1,020	(598)	1,272	1,552	645	(33)	3,014
ESDRYER	Energy Star Clothes Dryer	686	2,289	(2,152)	75	85	225	(225)	-	-	-	125	202	63
FAIRSHOW	Fairs & Shows	20,400	-	310	870	717	1,649	151	6,481	9,807	330	-	40	45
FRECYCLE	Fluorescent Lamp Recycling	14,000	-	-	-	-	-	-	-	-	-	-	-	14,000
FREEZER	Energy Star Freezer	513	-	49	-	20	225	(225)	88	-	-	150	10	196
GENMT	Generator Maint & Testing	54,814	881	2,816	8,009	24,452	4,047	5,359	3,216	536	1,284	2,217	1,025	972
GPUMPRES	Geothermal Heat Pumps-Residential	1,158	2,400	(2,190)	757	-	-	41	-	-	-	-	-	150
HIEFF	High Efficiency A/C Rebates	298,701	13,406	(431)	1,130	1,123	3,236	17,433	14,610	76,892	77,910	37,671	46,091	9,631
HPUMP	Heat Pumps - Residential	25,405	1,321	(135)	681	1,323	9,963	(5,813)	2,220	1,619	5,134	6,309	1,435	1,348
HPWH	Heat Pump Water Heater	1,000	-	-	-	-	500	-	-	-	-	500	-	-
INCELIGIBL	Income Eligible Non Cap Projects	75,265	454	45	106	-	-	-	-	6,285	(6,285)	631	51,729	22,300
IRRIG	Interruptible Irrigation	24,205	187	122	1,261	385	9,651	1,779	1,983	1,213	1,926	1,431	2,391	1,875
LEDLIGHTS	LED - Lights	34,990	6,129	3,265	3,167	3,480	3,677	(1,442)	2,716	(0)	795	8,027	4,676	499
LEDXMAS	LED - Holiday Lights	210	462	(364)	-	-	-	-	-	-	-	-	2	110
LEDYARD	LED Yard Light	29	-	29	-	-	-	-	-	-	-	-	-	-
LIACMAINT	Low Income A/C Tune-up	6,150	-	-	-	-	-	-	-	-	-	-	-	6,150
LIAIRCON	Low Income Central Air Condition Replace	13,500	-	-	-	-	-	-	-	-	-	-	-	13,500
LICLSWSHR	Low Income Clothes Washer	15,500	-	-	-	-	-	-	-	-	-	-	-	15,500
LIDEHUMID	Low Income Dehumidifier Units	1,750	-	-	-	-	-	-	-	-	-	-	-	1,750
LIDISH	Low Income Dishwashers	13,500	-	-	-	-	-	-	-	-	-	-	-	13,500
LIFREEZER	Low Income Freezer	9,000	-	-	-	-	-	-	-	-	-	-	-	9,000
LIMICRO	Low Income Microwave Ovens	6,750	-	-	-	-	-	-	-	-	-	-	-	6,750
LIROOMAC	Low Income Room Air Conditioner	750	-	-	-	-	-	-	-	-	-	-	-	750
LIWTRHTR	Low Income Water Heater	3,000	-	-	-	-	-	-	-	-	-	-	-	3,000

DAKOTA ELECTRIC ASSOCIATION  
 Conservation Projects  
 Eligible for Tracker Account Cost Recovery

		2018												
		Total	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Est Dec-18
LOADCTRL	Load Control	120,428	9,925	9,355	18,790	8,404	17,661	13,463	14,402	11,241	7,423	7,194	6,694	(4,124)
NCEEP	New Construction Energy Eff Program	12,005	-	-	-	900	-	5,150	(7,408)	-	-	-	11,000	2,363
PEAK	Peak Alert Rate 70	7,397	1,648	701	569	271	386	864	589	625	90	61	395	1,196
PLCMT & PLCMAST	Power Line Carrier DSM	42,043	25,722	1,517	1,517	1,515	1,515	1,515	-	1,515	1,515	1,518	1,518	2,675
POOLPUMP	Pool Pump Variable Speed Motor	1,487	-	10	-	-	400	(400)	-	29	10	1,400	-	38
REFRIGLOW	Low Income Refrigerator Replacements	24,850	-	-	-	-	-	-	-	-	-	-	-	24,850
REGD	Regulatory - DSM	135,588	66	155	34,879	82	339	34,015	-	-	32,781	-	-	33,270
RENEW	Optional Renewable Energy	2,086	1,000	-	-	-	-	-	-	1,086	-	-	-	-
RFGRCYC	Refrigerator Recycling	8,166	4,146	(3,214)	222	608	2,378	(2,025)	118	-	1,259	2,991	1,242	441
ROOMSTORG	Room Storage Electric Heat	491	3,816	(3,656)	-	-	-	-	-	-	186	-	-	145
SOLAR	Solar Electric General Activity & Education	94,089	2,737	5,116	6,418	9,969	9,914	11,499	8,435	12,838	9,737	6,932	7,501	2,994
WARFZ	Working Appliance Recycling Freezer	327	584	(486)	-	20	170	(140)	-	-	-	150	-	30
WARRF	Working Appliance Recycling Refrigerator	2,822	2,802	(2,566)	20	49	825	(796)	-	50	324	1,650	395	70
WTRHTR	Water Heaters	86,455	8,676	6,759	2,005	6,822	12,508	270	5,422	7,745	9,360	14,432	6,290	6,167
	Depreciation Expense DSM-Distrib	107,211	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9,675	4,135	6,331
	Depreciation Expense DSM-General	4,043	176	176	176	176	176	176	176	176	176	176	176	2,112
		<u>2,378,977</u>	<u>212,644</u>	<u>118,344</u>	<u>155,159</u>	<u>129,771</u>	<u>170,554</u>	<u>177,243</u>	<u>123,482</u>	<u>185,104</u>	<u>234,122</u>	<u>197,871</u>	<u>374,323</u>	<u>300,361</u>

Expenditures are shown net of refunds from Great River Energy (GRE) (Dakota Electric's power supplier)

**Dakota Electric Association**  
**DSM / Resource Adjustment Recovery Factors**

Month	Billed kWh Sales w/o DEA Use	Base Rate Recovery Factor	Base Rate Recovery	Resource Adjustment Recovery Factor	Resource Adjustment Recovery
Jan-17	158,536,045	0.0012	190,243	0.0004	63,414
Feb-17	146,910,800	0.0012	176,293	0.0004	58,764
Mar-17	136,050,713	0.0012	163,261	0.0004	54,420
Apr-17	128,574,059	0.0012	154,289	0.0004	51,430
May-17	131,280,558	0.0012	157,537	0.0004	52,512
Jun-17	155,030,171	0.0012	186,036	0.0004	62,012
Jul-17	172,165,881	0.0012	206,599	0.0004	68,866
Aug-17	184,500,023	0.0012	221,400	0.0004	73,800
Sep-17	161,393,241	0.0012	193,672	0.0004	64,557
Oct-17	147,395,016	0.0012	176,874	0.0004	58,958
Nov-17	138,755,482	0.0012	166,507	0.0004	55,502
Dec-17	142,587,312	0.0012	171,105	0.0004	57,035
	1,803,179,301		2,163,815		721,272
Jan-18	162,351,533	0.0012	194,822	0.0005	81,176
Feb-18	145,730,260	0.0012	174,876	0.0005	72,865
Mar-18	131,482,708	0.0012	157,779	0.0005	65,741
Apr-18	138,785,897	0.0012	166,543	0.0005	69,393
May-18	136,131,989	0.0012	163,358	0.0005	68,066
Jun-18	167,031,256	0.0012	200,438	0.0005	83,516
Jul-18	189,017,460	0.0012	226,821	0.0005	94,509
Aug-18	191,850,443	0.0012	230,221	0.0005	95,925
Sep-18	172,010,720	0.0012	206,413	0.0005	86,005
Oct-18	141,396,433	0.0012	169,676	0.0005	70,698
Nov-18	133,247,820	0.0012	159,897	0.0005	66,624
Est Dec-18	143,974,983	0.0012	172,770	0.0005	71,987
	1,853,011,502		2,223,614		926,506

Dakota Electric Association  
**Energy Conservation Spending**  
**Year Ended December 31, 2018**

Program Name	2018 DEA+GRE Spending
<b>Residential</b>	
Air Conditioning Tune-Up	7,156
Air Source Heat Pump (ASHP) Residential	179,235
CFL Rebate	87
LED - Lights	68,578
LED - Holiday Lights	1,807
Energy Star Central Air Conditioner Rebate	337,751
Energy Star Clothes Dryer	7,336
Energy Star Freezer	1,713
Refrigerator with Recycling	39,366
Working Appliance Recycling Freezer	4,152
Working Appliance Recycling Refrigerator	18,722
Residential Ground Source Heat Pump (GSHP)	7,158
Interruptible Air Conditioning - Residential	136,767
Off-Peak Water Heating-ETS & PSWH	100,555
Off-Peak Space Heating-Dual Fuel	16,239
Low Income Refrigerator Replacements	24,850
Low Income Clothes Washer	15,500
Low Income Dehumidifier Units	1,750
Low Income Dishwashers	13,500
Low Income Microwave Ovens	6,750
Low Income Room Air Conditioning	750
Low Income Freezer	9,000
Low Income Water Heater	3,000
Energy Intelligent Lifestyle - Energy Education	102,402
Energy Efficiency Training & Education	10,857
Electron-Commutated Motor	101,859
Electrical Evaluation & Consultation	21,053
Low Income Audit	220
Fluorescent Bulb Recycling Program	14,000
Income Eligible Project	91,120
<b>Residential Subtotal</b>	<b>1,343,234</b>
<b>Commercial</b>	
C&I-A Energy Grant Program	1,119,205
C&I Electrical Eval & Consultation	6,335
Interruptible Air Conditioning - C&I	5,558
<b>Commercial Subtotal</b>	<b>1,131,098</b>

**Total Energy Conservation Spending** **\$ 2,474,332**

**Statutory Spending Requirement\*** **\$ 3,018,405**

**Percent of Requirement Devoted to Energy Conservation\*\*** **82%**

\*Statutory Spending Requirement equals 1.5% of 2017 Revenues.

\*\*Energy Conservation Spending must be at least 50% of the Statutory Spending Requirement.

# **Appendix**

## **Wholesale Power Rates from Power Supplier**

**TRADE SECRET INFORMATION**

Trade secret data has been excised  
3 page document containing rate structure



## **CERTIFICATE OF SERVICE**

I, Corey Hintz, hereby certify that I have this day, served copies of the following document on the attached list of persons by electronic filing, e-mail, or by depositing a true and correct copy thereof properly enveloped with postage paid in the United States Mail at Farmington, Minnesota.

**Dakota Electric Association Annual Resource and Tax Adjustment Filing PUBLIC DOCUMENT.**

**Docket No. E111/M-15-\_\_\_**

Dated this 9<sup>th</sup> day of January, 2019

**/s/ Corey Hintz**