




Your Touchstone EnergySM Partner 

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A Locally Owned, Nonprofit Electric Utility

Filed Electronically

January 11, 2018

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

**Re: Dakota Electric Association
2018 Annual Resource and Tax Adjustment
Docket No. E-111/M-15-____
PUBLIC DOCUMENT**

Dear Mr. Wolf:

Dakota Electric Association (Dakota Electric) respectfully submits its 2018 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 \$0.0012 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 EnergySM 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 2018 Through
December 2018**

January 11, 2018

Dakota Electric Association

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Dakota Electric Association

Resource & Tax Adjustment Methodology

Purchased Power Cost Adjustment

Dakota Electric Association's (DEA) annualized resource & tax adjustment is calculated based on a projected calendar year: January 1st to December 31st. 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 1st through December 31st. 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 1st through December 31st. 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)

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

Schedule A1 summarizes the resource and tax adjustment factors for all rate classes for the calendar year ending December, 2018. 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, 2018. 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 2018.

Schedule A3 computes the DSM & conservation recovery factor based on 1) projected sales for the calendar year ending December 31, 2018, 2) projected additions for calendar 2017 (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, 2018, and 2) estimated property and real estate tax payable during calendar 2018 (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, 2017, based on actual sales and power costs. Schedule B1-1 details the power cost recovery mechanism for 2017.

Schedule B2 computes the accumulated over-recovery or under-recovery of DSM & conservation costs through the previous calendar year ended December 31, 2017, 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, 2017, 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, 2017 and the approved additions during 2017.

Schedule F lists the 2017 spending on conservation programs that reduce energy use.

Appendix is a copy of the calendar year 2018 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, 2018**

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	\$0.0007	\$0.0005	\$0.0000	\$0.0012	\$0.13080	\$0.11680	\$0.12064	\$0.12184
32 Resl Dem Ctrl	\$0.0903	\$0.0007	\$0.0005	\$0.0000	\$0.0012	\$0.07600	\$0.07600	\$0.07600	\$0.07720
36 Irrigation - Firm	\$0.0903	\$0.0007	\$0.0005	\$0.0001	\$0.0013	\$0.04990	\$0.04990	\$0.04990	\$0.05120
37 Irrigation - Interruptible	\$0.0497	\$0.0021	\$0.0005	\$0.0001	\$0.0027	\$0.04990	\$0.04990	\$0.04990	\$0.05260
41 Sm Genl Serv	\$0.0903	\$0.0007	\$0.0005	\$0.0000	\$0.0012	\$0.12690	\$0.11290	\$0.11630	\$0.11750
44 Street Lights	\$0.0903	\$0.0007	\$0.0005	\$0.0005	\$0.0017	Various	Various	Various	Various
44B Security Lgts	\$0.0903	\$0.0007	\$0.0005	\$0.0005	\$0.0017	Various	Various	Various	Various
45 Low Wattage Unmetered	n/a	n/a	n/a	n/a	n/a	\$10.00 / mo.			\$10.00 / mo.
46 General Service	\$0.0903	\$0.0007	\$0.0005	\$0.0001	\$0.0013	\$0.07760 1st 200kWh per kW, next 200 @ \$0.06760, over 400 @ \$0.05760		\$0.0726	\$0.0739
47 Municipal Civil Defense	n/a	n/a	n/a	n/a	\$0.0000	\$5.00 / mo.			\$5.00 / mo.
49 Geothermal Heat Pump	\$0.0775	\$0.0027	\$0.0005	\$0.0001	\$0.0033	\$0.09400	\$0.09400	\$0.09400	\$0.09730
51 Controlled Energy Storage	\$0.0200	\$0.0017	\$0.0005	\$0.0000	\$0.0022	\$0.04400	\$0.04400	\$0.04400	\$0.04620
52 Controlled Interruptible	\$0.0305	\$0.0046	\$0.0005	\$0.0000	\$0.0051	\$0.05500	\$0.05500	\$0.05500	\$0.06010
53 Time of Day - Res'l	\$0.0903	\$0.0007	\$0.0005	\$0.0000	\$0.0012	\$0.18800 peak summer, \$0.17400 peak other (4-11pm) peak (11pm-4am)		\$0.09400 off	
54 Time of Day - Genl Service	\$0.0903	\$0.0007	\$0.0005	\$0.0001	\$0.0013	\$0.04990	\$0.04990	\$0.04990	\$0.05120
70 Interruptible Option - Full	\$0.0497	\$0.0021	\$0.0005	\$0.0000	\$0.0026	\$0.04990	\$0.04990	\$0.04990	\$0.05250
71 Interruptible Option - Partial	\$0.0497	\$0.0021	\$0.0005	\$0.0000	\$0.0026	\$0.04990	\$0.04990	\$0.04990	\$0.05250
81 Cycled Air Metered	n/a	n/a	n/a	n/a	n/a	(\$0.032)/kWh			(\$0.032)/kWh
82 Cycled Air Res'l	n/a	n/a	n/a	n/a	n/a	(\$13)/mo			(\$13)/mo
84 Cycled Air Comm'l	n/a	n/a	n/a	n/a	n/a	(\$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>
ECA Base per kWh Sold	\$	0.0497

Load Management RatesRate 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
Rate 51 Weighted Power Cost Base per kWh Sold	= \$	<u>0.0200</u>

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
Rate 52 Weighted Power Cost Base per kWh Sold	= \$	<u>0.0305</u>

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 ^A
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
PCA Power Cost Base per kWh Sold	= \$	0.0903

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

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 ^C
Test Year MWh Sales		1,898,207
Conservation & DSM Base per kWh	\$	0.0012

Property Tax Recovery Base Calculation

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

Allocation to Rate Classes Using Cost of Service Method		
Class & Rate	Property & Real Estate Taxes in Rate Base ^E	% 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%
TOTAL	\$ 3,700,450	100.00%

Notes:

^C See Workpaper #9

^D Per Summary of Test Year Adjustments, Exhibit__(DEA_1) Page 2 of 20.

^E 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, 2018**

Schedule A2-1

Page 1 of 5

Trade Secret Data has been excised.

CONTAINS TRADE SECRET INFORMATION

Schedule A2-1

Page 2 of 5

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

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, 2018**

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, 2018**

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, 2018**

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, 2018**

Trade Secret Data has been excised.

Dakota Electric Association
Projected DSM & Conservation Recovery Factor
For the Twelve Months Ending December 31, 2018

Schedule A3

(A)	(B)	(C)	
2017 DSM & Conservation Tracker Expenses		\$ 3,052,641	Schedule E, Column F
2017 Recovery in Base Rates		(2,163,815)	Schedule E, Column G
Subtotal		888,826	
2017 Carrying Cost		42,999	Schedule E, Column C
2017 Tracker Additions		931,825	
Cumulative True-Up (Over) / Under-Recovery at 12/31/17		34,895	Schedule B2
Total to Recover 2018		\$ 966,720	
Projected Calendar Year 2018 kWh Sales		1,837,490,000	
Tracker Account Recovery Factor		\$ 0.0005	per kWh

Projected Recovery Results

Month	Projected kWh Sales	Projected DSM & Conservation Recovery
Jan-18	157,904,000	\$ 78,952
Feb-18	138,692,000	69,346
Mar-18	141,279,000	70,640
Apr-18	129,935,000	64,968
May-18	139,349,000	69,675
Jun-18	165,666,000	82,833
Jul-18	191,472,000	95,736
Aug-18	183,316,000	91,658
Sep-18	154,613,000	77,307
Oct-18	136,939,000	68,470
Nov-18	139,854,000	69,927
Dec-18	158,471,000	79,236
Total kWh Sales	1,837,490,000	\$ 918,748
Total to Recover 2018		966,720
Net Projected Over / (Under) Recovery at 12/31/18		\$ (47,972)

Dakota Electric Association
Projected Property & Real Estate Tax Recovery Factor
For the Twelve Months Ending December 31, 2018

Schedule A4-1

(A)	(B)	(C)	
Estimated 2018 Real & Personal Property Taxes*		3,479,110	Schedule A4-3
Projected 2018 Recovery in Base Rates		<u>(3,491,231)</u>	
Projected 2018 (Over) / Under-Recovery in Base Rates		(12,121)	
Cumulative True-Up (Over) / Under-Recovery at 12/31/2017		<u>49,565</u>	Schedule B3, Column B
Recoverable Balance for 2018		<u>\$ 37,444</u>	
Projected Calendar Year 2018 kWh Sales		<u>1,837,490,000</u>	
Average Property & Real Estate Tax Recovery		<u>\$ -</u>	per kWh

Note: See Schedule A4-2 for recovery factor by class detail

Month	Projected kWh Sales	Projected Property & Real Estate Tax Recovery
Jan-18	157,904,000	\$ -
Feb-18	138,692,000	-
Mar-18	141,279,000	-
Apr-18	129,935,000	-
May-18	139,349,000	-
Jun-18	165,666,000	-
Jul-18	191,472,000	-
Aug-18	183,316,000	-
Sep-18	154,613,000	-
Oct-18	136,939,000	-
Nov-18	139,854,000	-
Dec-18	<u>158,471,000</u>	-
Total kWh Sales	1,837,490,000	\$ -
Recoverable balance for 2018		<u>37,444</u>
Net Projected Over / (Under) Recovery at 12/31/18		<u>\$ (37,444)</u>

* Refers to 2017 taxes payable in 2018

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, 2018**

Class & Rate	Property & Real Estate Taxes in Rate Case	% Plant	Current Recoverable Balance	(Over)/Under Recovered 12/31/2017	Net Recoverable Balance	Forecasted kWh Sales 1/2018 -12/2018	Adjustment per kWh
A	B	C	D			E	F
Residential	\$2,668,288	72.11%	(\$8,742)	26,248	\$17,506	894,787,000	\$0.0000
31 Residential							
32 Resl Demand Control							
53 Resl Time of Day							
Irrigation	27,096	0.73%	(88)	1,093	1,005	7,573,000	0.0001
36 Irrigation							
37 Irrigation - Controlled							
Small General Service - 41	157,509	4.26%	(516)	1,250	734	41,810,000	0.0000
General Service	444,762	12.02%	(1,457)	25,093	23,636	464,386,000	0.0001
46 General Service							
49 Geothermal							
54 General Service Time of Day							
Interruptible Option - 70 & 71	318,376	8.60%	(1,042)	(9,957)	(10,999)	417,687,000	0.0000
Lighting	84,419	2.28%	(276)	5,838	5,562	11,247,000	0.0005
44 Street Lights							
44B Security Lights							
TOTAL	\$3,700,450	100.00%	(12,121)	\$49,565	\$37,444	1,837,490,000	\$0.0000

Dakota Electric Association
Property & Real Estate Taxes by Location
Estimated 2017 Taxes Payable in 2018

Schedule A4-3

PERSONAL PROPERTY TAXES

<u>Dakota County</u>	
Apple Valley / 196	\$ 529,302.36
Apple Valley / 191	5,088.48
Burnsville / 191	301,395.02
Burnsville / 194	41,412.08
Burnsville / 196	202,350.50
Burnsville Sub / 196 (Leased Land)	25,007.84
Burnscott Sub / 191 (Leased Land)	15,574.94
Castle Rock Twp (Randolph) / 195	2,442.14
Eagan / 191	46,858.44
Eagan / 196	548,599.06
Eagan / 197	82,465.82
Pilot Knob Sub / 196 (Leased Land)	15,505.30
Eagan Sub / 196 Westcott (L.L.)	34,459.06
Farmington / 192	122,463.70
Randolph Sub / 195	-
Hastings / 200	30,446.88
Inver Grove Heights / 199	24,879.42
Inver Grove Heights / 196	79,733.16
Lakeville / 196	73,733.02
Lakeville / 194	377,594.04
Lakeville / 192	49,922.78
Miesville / 200	2,282.20
New Trier / 200	101.90
Rosemount / 200	30.44
Rosemount / 196	71,618.12
 <u>Scott County</u>	
Lake Marion Sub / 194 (Leased Land)	9,458.00
 <u>Goodhue County</u>	
Cannon Falls Twp	5,590.00
Burnside Twp (Redwing)	21,138.00
 <u>Great River Energy</u>	
Empire Sub / 192	15,238.90
 <u>Xcel Energy</u>	
Vermillion Sub / 192	22,437.00

Total Property Taxes **2,757,128.60**

GRAND TOTAL TAXES **\$ 3,479,109.87**

REAL ESTATE TAXES

<u>Dakota County</u>	
Fischer Sub - Apple Valley / 196	\$ 47,873.30
Apple Valley Sub - Apple Valley / 196	27,787.32
Colonial Hills Sub - Burnsville / 191	33,620.68
Castle Rock Sub South / 659	4,236.86
Castle Rock Sub North / 659	42.80
Lemay Sub West - Eagan / 197	1,627.98
Lemay Sub East - Eagan / 197	28,260.88
Lakeville Par 7 / 196	8.74
Deerwood Sub - Eagan Sub / 196	22,729.86
Lebanon Hills Sub - Eagan / 196	12,981.30
Eagan Sub / 196	25,385.20
River Hills Sub - Eagan / 196	48,809.60
Yankee Doodle Sub - Eagan / 196	32,894.56
Farmington Sub / 192	2,672.42
Randolph Sub / 195	10,582.82
Rich Valley Sub - Inver Grove / 196	4,217.98
Orchard Lake Sub - Lakeville / 194	17,855.06
Dakota Heights Sub - Lakeville / 194	21,036.20
Dodd Park Sub South - Lakeville / 194	292.60
Dodd Park Sub North - Lakeville / 194	20,158.22
Kenrick Sub - Lakeville / 194	30,908.40
Lakeville Sub / 196	17,580.00
Ritter Sub / 194	35,192.86
Hastings Sub / 200	14,594.96
Nininger Sub / 200	19,124.68
Marshan Twp / 200	12,424.40
Miesville Sub South / 200	13,233.16
Miesville Sub Northwest / 200	2,397.60
Headquarters Building	159,155.08
 <u>Goodhue County</u>	
Byllesby Sub - Cannon Falls Twp	6,770.00
Ravenna Sub	31,130.00
 <u>MN Valley Electric</u>	
Burnscott Joint Sub	4,669.00
 <u>Xcel Energy</u>	
Vermillion Sub / 192	11,726.75

Total Real Estate Taxes **\$ 721,981.27**

CONTAINS TRADE SECRET INFORMATION

**Dakota Electric Association
Energy Cost Adjustment
For the Twelve Months Ending December 31, 2017**

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, 2017**

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, 2017**

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, 2017**

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, 2017**

Schedule B1

Page 5 of 5

Trade Secret Data has been excised.

CONTAINS TRADE SECRET INFORMATION

**Dakota Electric Association
Power Cost Adjustment Projection
2017 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, 2017

Schedule B2

(A)	(B)	(C)	(D)
Month	Projected kWh Sales	Actual Billed kWh Sales	Resource Recovery @ 0.0004/kWh
Jan-17	155,906,000	158,536,045	63,414
Feb-17	138,899,000	146,910,800	58,764
Mar-17	139,384,000	136,050,713	54,420
Apr-17	128,966,000	128,574,059	51,430
May-17	140,346,000	131,280,558	52,512
Jun-17	165,819,000	155,030,171	62,012
Jul-17	195,668,000	172,165,881	68,866
Aug-17	185,288,000	184,500,023	73,800
Sep-17	151,616,000	161,393,241	64,557
Oct-17	137,200,000	147,395,016	58,958
Nov-17	140,183,000	138,755,482	55,502
Dec-17	157,354,000	142,587,312	57,035
Total kWh Sales	1,836,629,000	1,803,179,301	721,272
Actual DSM & Conservation Recovery		\$	721,272 (D) total from above
Less DSM & Conservation Additions in 2016		\$	713,948 Schedule E, Column C+E
Over (Under) Recovery at December 31, 2017		\$	7,324 Recovery - 2016 Additions
Cumulative Over (Under) Recovery at December 31, 2016		\$	(42,219) January 2017 RTA Filing Schedule B2
Cumulative Over (Under) Recovery at December 31, 2017		\$	(34,895)

Dakota Electric Association
Property & Real Estate Tax (Over)/Under Recovery
Year Ended December 31, 2017

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-16	162,702							
Jan-17	141,110	(21,592)	884	21,258	301,218	322,476	300,000	(1,218)
Feb-17	143,481	2,371	767	19,265	279,131	298,396	300,000	20,869
Mar-17	162,074	18,593	780	17,547	258,496	276,043	293,857	35,361
Apr-17	196,045	33,970	881	16,476	244,291	260,767	293,857	49,566
May-17	225,465	29,420	1,065	16,069	249,433	265,502	293,857	44,424
Jun-17	206,209	(19,255)	1,225	19,780	294,557	314,337	293,857	(700)
Jul-17	151,147	(55,063)	1,120	22,925	327,115	350,040	293,857	(33,258)
Aug-17	70,700	(80,447)	821	24,575	350,550	375,125	293,857	(56,693)
Sep-17	37,307	(33,392)	384	20,986	306,647	327,633	293,857	(12,790)
Oct-17	32,357	(4,950)	203	19,074	280,051	299,125	293,972	13,921
Nov-17	45,318	12,961	176	17,552	263,635	281,187	293,972	30,337
Est Dec-17	49,565	4,248	246	18,770	270,916	289,686	293,688	22,772
Total	49,565	(113,137)	8,552	234,277	3,426,040	3,660,317	3,538,629	112,589
						(= E + F)		(= H - F)

Dakota Electric Association
Projected kWh Sales & Usage
For the Twelve Months Ending December 31, 2018

Schedule C

(A) KWH Sold	(B)	(C)	(D)	(E)	(F)	(G)
	Historical Sales					Projected
	2013	2014	2015	2016	2017	2018
Jan	157,426,160	163,031,366	153,802,214	153,660,508	153,324,265	157,904,000
Feb	137,373,065	143,476,639	139,609,638	136,674,375	129,099,021	138,692,000
Mar	143,753,996	145,116,644	137,452,561	134,006,431	138,664,070	141,279,000
Apr	133,777,464	130,795,516	125,942,192	127,143,895	125,129,564	129,935,000
May	139,332,599	140,700,505	134,241,005	140,205,110	135,072,171	139,349,000
Jun	158,876,381	162,636,408	159,727,676	171,188,740	167,246,804	165,666,000
Jul	195,856,692	176,185,540	188,076,210	194,417,314	194,818,559	191,472,000
Aug	192,891,587	189,048,881	176,198,869	189,139,131	161,586,588	183,316,000
Sep	158,337,135	144,013,151	159,986,766	148,362,495	155,806,803	154,613,000
Oct	138,820,567	134,412,956	132,983,623	135,482,227	134,001,899	136,939,000
Nov	140,941,343	143,867,239	134,039,036	134,297,451	138,838,188	139,854,000
Dec	162,112,176	155,150,472	150,254,953	157,396,452	156,900,851	158,471,000
	1,859,499,165	1,828,435,317	1,792,314,743	1,821,974,129	1,790,488,783	1,837,490,000
# Increase/(Decrease)	(15,304,435)	(31,063,848)	(36,120,574)	29,659,386	(31,485,346)	47,001,217
% Increase	-0.82%	-1.67%	-1.98%	1.65%	-1.73%	2.6%

(A) Own Use	(B)	(C)	(D)	(E)	(F)	(G)
	Historical Sales					Projected
	2013	2014	2015	2016	2017	2018
Jan	337,271	358,100	324,408	299,202	318,650	330,000
Feb	289,004	345,764	317,425	266,336	237,845	305,000
Mar	265,983	281,255	229,479	196,608	239,423	243,000
Apr	209,645	175,066	149,561	154,725	136,746	172,000
May	132,920	112,250	103,468	104,308	105,730	113,000
Jun	106,460	103,902	109,485	109,381	94,702	108,000
Jul	113,131	107,414	111,223	111,058	98,835	111,000
Aug	109,021	111,570	112,210	115,113	97,965	113,000
Sep	100,180	98,898	106,731	103,822	90,212	103,000
Oct	115,638	115,145	101,455	108,514	115,517	110,000
Nov	233,735	234,295	139,948	166,064	237,552	192,000
Dec	341,093	261,818	239,882	317,421	291,369	290,000
	2,354,081	2,305,477	2,045,275	2,052,552	2,064,546	2,190,000
# Increase/(Decrease)	277,358	(48,604)	(260,202)	7,277	11,994	125,454
% Increase	13.36%	-2.06%	-11.29%	0.36%	0.58%	6.1%

**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
2013	1,920,590,874	1,859,499,165	2,354,081	57,617,726	3.000%
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	1,840,403,828	1,790,488,783	2,064,546	47,850,499	2.600%
Total	<u>9,370,929,360</u>	<u>9,092,712,136</u>	<u>10,821,931</u>	<u>266,275,391</u>	<u>2.840%</u>

* 2013 reflects the impact of a 1.1 million kwh billing adjustment that did not include line loss

* 2016 reflects the impact of a reduction in line loss % from 3.0% to 2.6% 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, 2016

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-15	41,527					
Jan-16	41,282	226	-	(471)	185,115	(185,587)
Feb-16	44,496	224	-	2,990	185,230	(182,240)
Mar-16	200,885	242	-	156,146	323,643	(167,497)
Apr-16	204,484	1,091	-	2,509	156,555	(154,046)
May-16	270,524	1,111	-	64,929	222,439	(157,510)
Jun-16	339,033	1,470	-	67,039	252,293	(185,254)
Jul-16	368,939	1,842	-	28,064	242,592	(214,528)
Aug-16	305,660	2,005	-	(65,284)	173,266	(238,550)
Sep-16	447,505	1,661	-	140,183	345,331	(205,148)
Oct-16	574,925	2,431	-	124,989	294,554	(169,565)
Nov-16	654,556	3,124	-	76,508	232,887	(156,380)
Dec-16	755,475	3,556	-	97,363	269,570	(172,207)
Annual Total		18,983	-	694,965	2,883,476	(2,188,511)

(= F + G)

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

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-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)
Est. Dec-17	966,028	4,958	(57,035)	105,539	276,644	(171,105)
Annual Total		42,999	(721,272)	888,826	3,052,641	(2,163,815)

(= F + G)

DAKOTA ELECTRIC ASSOCIATION
Conservation Projects
Eligible for Tracker Account Cost Recovery

		2016												
		Total	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
ACMAINT	Low Income A/C Tune-up	5,623	-	-	-	-	-	-	-	-	-	-	2,323	3,300
ACTUNEUP	Air Conditioning Tune-Up	6,492	47	27	93	1,139	656	599	204	589	2,234	484	243	177
AFFORD07	Affordable Housing Project	74,386	17	14	-	-	0	2	-	-	-	13,311	-	61,042
AUDC	Energy Audits - Commercial	9,147	542	476	1,002	784	828	1,120	524	537	1,046	469	1,149	671
AUDLOW	Low Income Audit Program	6,703	71	71	188	-	-	-	207	-	-	150	4,631	1,385
AUDR	Energy Audits - Residential	39,692	2,630	2,937	5,771	3,457	2,907	2,906	1,442	1,927	5,405	4,362	3,054	2,893
BLDCIP	Building Improve. - Conservation Related	497	497	499	(499)	-	-	-	-	-	-	-	-	-
CACCI	Cycled Air - C&I	5,935	-	-	82	28	1,901	227	1,296	135	935	1,119	118	95
CACRES	Cycled Air - Residential	172,949	2,077	3,971	4,523	5,066	12,288	29,242	13,289	10,556	47,718	4,405	3,648	36,166
CEERTU	Small Comm Roof Top Units Pilot Program	47,357	-	-	73,475	(36,737)	-	-	1,663	-	(1,663)	-	10,620	-
CFLRES	Compact Fluorescent Lighting	818	89	128	122	57	92	11	-	-	52	129	65	75
CIGRANT	Energy Grant	689,047	59,510	65,003	69,217	54,299	65,221	52,336	93,459	33,587	50,418	117,659	12,181	16,158
CIGROUP	C&I Energy Group	11,486	171	514	717	557	3,438	245	111	209	1,308	1,101	2,960	156
CIPGOALS	CIP Goals	98,025	8,524	8,789	9,146	11,010	8,640	7,371	7,175	7,297	7,479	8,070	7,381	7,144
CIPLAN	New Construction Plan Review	141	-	-	-	141	-	-	-	-	-	-	-	-
CIPNEWS	Newspaper Advert-Energy Effic/Conserv	27,052	-	6,147	(24)	3,812	4,089	-	-	-	2,790	4,533	2,357	3,348
CIRC	Circuits - DSM	108,209	9,682	9,266	9,282	9,622	8,669	8,655	9,201	9,012	8,358	8,648	8,710	9,104
DEHUMID	Dehumidifier Rebate	3,185	27	27	19	-	62	554	88	19	1,225	252	540	372
E3TRAIN	Energy Efficiency Training & Education	19,124	1,499	2,682	3,357	2,432	4,375	1,307	-	750	1,216	451	124	930
ECMMOTOR	Electron-Commutated Motor(ECM)Rebate	66,184	727	535	372	(227)	1,011	819	330	270	21,021	11,003	14,215	16,108
EIL	Energy Intelligent Lifestyle	121,973	14,158	23,349	49,334	3,483	4,437	3,752	3,881	4,034	5,385	3,922	3,533	2,705
EILPROD	Energy Intelligent Lifestyle-Products	34,928	2,210	2,913	4,033	2,040	3,195	2,562	2,646	3,845	3,195	1,973	2,774	3,543
ELECCAR	Electric Car	25,683	535	1,892	684	1,265	1,695	646	575	980	6,019	4,214	3,529	3,650
ELECHEAT	Electric Heat	27,606	2,674	1,888	3,279	1,407	1,344	2,010	237	740	4,268	1,486	1,309	6,964
ESTAR	Energy Star	2,421	1,147	256	-	-	1,018	-	-	-	-	-	-	-
EWEXPO	Energy Wise Expo	125	-	-	-	-	-	-	-	-	-	-	-	125
FAIRSHOW	Fairs & Shows	22,563	18	5	1,186	840	306	1,027	9,596	9,100	1,273	(788)	1,200	(1,200)
FRECYCLE	Fluorescent Lamp Recycling	14,248	-	-	-	-	-	-	-	-	-	-	-	14,248
FREEZER	Energy Star Freezer	2,378	121	145	112	93	91	56	76	47	852	102	262	421
GENMT	Generator Maint & Testing	21,182	1,614	597	1,888	672	558	1,478	398	1,562	1,169	1,392	3,211	6,644
GPUMP	Geothermal Heat Pumps	416	212	7	62	-	-	-	-	-	135	-	-	-
GPUMPRES	Geothermal Heat Pumps-Residential	14,214	355	241	364	341	99	129	14	124	2,124	7,233	124	3,066
HIEFF	High Efficiency A/C Rebates	351,417	7,211	2,199	1,570	11,578	36,575	44,752	32,040	52,014	72,254	43,889	35,330	12,004
HPUMP	Heat Pumps - Residential	34,438	710	2,312	4,050	1,768	838	3,459	1,363	1,977	9,939	3,349	2,000	2,674
HPWH	Heat Pump Water Heater	1,500	-	-	-	-	-	-	-	-	1,000	-	500	-
IRRIG	Interruptible Irrigation	25,356	1,382	400	1,554	8,497	4,594	3,251	1,094	1,366	314	761	833	1,311
LEDLIGHTS	LED - Lights	77,783	10,582	9,502	3,674	4,959	4,002	1,373	640	326	19,499	7,709	11,183	4,333
LEDR&DPROJ	LED Roadway Lighting Pilot Project	726	9	-	-	-	-	-	-	-	-	-	718	-
LEDXMAS	LED - Holiday Lights	6,819	3,905	1,395	683	214	27	-	-	7	14	-	202	372
LEDYARD	LED Yard Light	236	-	-	-	28	-	18	1	-	150	9	30	-
LICLSWSHR	Low Income Clothes Washer	16,433	-	-	-	-	-	-	-	-	-	-	14,185	2,248
LIDEHUMID	Low Income Dehumidifier Units	334	-	-	-	-	-	-	-	-	-	-	167	167
LIDISH	Low Income Dishwashers	9,486	-	-	-	-	-	-	-	-	-	-	7,378	2,108
LIFREEZER	Low Income Freezer	8,165	-	-	-	-	-	-	-	-	-	-	5,480	2,685
LIMICRO	Low Income Microwave Ovens	5,533	-	-	-	-	-	-	-	-	-	-	4,985	548
LIROOMAC	Low Income Room Air Conditioner	277	-	-	-	-	-	-	-	-	-	-	277	-

DAKOTA ELECTRIC ASSOCIATION
Conservation Projects
Eligible for Tracker Account Cost Recovery

		2016												
		Total	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
LOADCTRL	Load Control	160,861	15,155	17,260	17,131	38,492	18,760	32,322	38,069	15,777	(12,591)	5,703	4,280	(29,496)
PEAK	Peak Alert Rate 70	21,932	1,619	920	1,273	1,271	2,526	2,391	1,087	1,445	2,957	2,320	1,376	2,746
PLCMT & PLCMAST	Power Line Carrier DSM	68,898	25,405	2,737	6,112	4,492	6,271	3,007	4,267	3,768	1,515	3,863	4,204	3,257
POOLHEAT	Heat Pump Pool Heater	1,619	-	-	-	19	-	-	-	-	1,600	-	-	-
POOLPUMP	Pool Pump Variable Speed Motor	5,065	-	-	-	9	19	9	-	-	2,200	419	2,000	409
REFRIGLOW	Low Income Refrigerator Replacements	26,635	539	266	1,358	-	-	127	75	133	69	-	19,455	4,613
REGD	Regulatory - DSM	123,749	79	144	29,452	332	390	28,790	138	143	31,560	232	262	32,229
RENEW	Optional Renewable Energy	2,383	1,147	256	-	-	-	-	-	370	609	-	-	-
RFGRCYC	Refrigerator Recycling	23,277	575	390	494	494	667	210	231	56	9,196	4,224	1,420	5,320
ROOMSTORG	Room Storage Electric Heat	4,539	11	-	1,011	28	-	611	-	(450)	1,819	317	574	617
SOLAR	Solar Electric General Activity & Education	38,274	629	1,251	2,375	4,215	5,426	4,510	4,356	4,931	3,231	3,672	2,497	1,179
STARHOME	Star Home Program	10,050	-	2,000	(2,000)	-	3,500	(3,500)	3,000	(3,000)	5,050	-	-	5,000
VMISERDEA	Vending Miser DEA customers	436	-	-	-	-	-	72	-	-	73	160	117	15
WARFZ	Working Appliance Recycling Freezer	2,143	18	45	28	47	25	20	2	-	450	487	272	750
WARRF	Working Appliance Recycling Refrigerator	8,887	63	73	75	112	138	45	4	-	1,725	2,530	2,418	1,705
WTRHTR	Water Heaters	93,343	1,196	5,973	11,293	8,442	5,785	7,797	3,837	3,108	12,762	13,252	14,509	5,389
	Depreciation Expense DSM-Distrib	70,987	5,553	5,553	5,553	5,801	5,801	5,801	5,801	5,801	5,801	5,801	5,801	7,923
	Depreciation Expense DSM-General	2,106	176	176	176	176	176	176	176	176	176	176	176	176
	Total	2,883,476	185,115	185,230	323,643	156,555	222,439	252,293	242,592	173,266	345,331	294,554	232,887	269,570

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	Est Dec-17
ACTUNEUP	Air Conditioning Tune-Up	5,969	56	65	1,054	115	224	454	1,230	1,059	778	711	223	-
AUDC	Energy Audits - Commercial	8,399	402	421	794	898	1,019	943	488	570	508	426	980	950
AUDLOW	Low Income Audit Program	4,908	-	-	-	69	-	-	379	-	76	76	-	4,309
AUDR	Energy Audits - Residential	26,757	1,478	2,552	3,466	1,526	1,530	2,172	1,271	2,642	3,684	2,336	827	3,274
BLDCIP	Building Improve. - Conservation Related	710	-	-	710	-	-	-	-	-	-	-	-	-
CACCI	Cycled Air - C&I	2,745	238	-	116	69	509	1,228	-	-	120	-	-	464
CACRES	Cycled Air - Residential	132,229	2,715	1,743	3,421	9,668	18,331	23,897	11,907	4,556	24,904	5,984	8,118	16,985
CFLRES	Compact Fluorescent Lighting	931	37	49	48	67	17	2	323	43	19	-	27	300
CIGRANT	Energy Grant	1,010,266	82,437	29,429	28,297	36,539	65,649	19,016	14,814	137,393	372,908	89,918	110,321	23,545
CIGROUP	C&I Energy Group	7,888	144	658	762	866	2,671	498	78	285	865	349	711	-
CIPGOALS	CIP Goals	124,530	7,678	8,955	12,442	12,827	11,939	12,397	10,591	12,602	8,167	9,100	10,186	7,646
CIPNEWS	Newspaper Advert-Energy Effic/Conserv	27,302	2,698	3,469	3,804	4,240	3,804	-	-	-	989	2,000	2,242	4,056
CIRC	Circuits - DSM	111,015	9,291	9,140	8,830	9,923	9,041	9,103	9,154	4,509	13,982	9,377	9,420	9,247
DEHUMID	Dehumidifier Rebate	5,032	9	37	38	67	34	138	1,381	532	227	1,893	616	60
E3TRAIN	Energy Efficiency Training & Education	8,274	680	681	1,584	2,041	103	321	-	-	919	219	82	1,644
ECMMOTOR	Electron-Commutated Motor(ECM)Rebate	70,429	298	400	525	249	473	440	11,782	5,130	12,356	12,777	11,391	14,608
EIL	Energy Intelligent Lifestyle	117,475	3,673	82,947	2,955	3,752	4,492	1,807	1,735	2,774	3,646	3,431	2,394	3,869
EILPROD	Energy Intelligent Lifestyle-Products	33,117	3,086	2,563	3,242	3,319	2,440	4,131	2,367	889	3,081	3,128	2,543	2,329
ELECCAR	Electric Car	47,772	2,122	1,650	1,980	1,807	2,945	1,890	8,168	6,349	6,225	4,789	6,892	2,956
ELECHEAT	Electric Heat	20,898	3,459	3,139	1,989	1,889	918	1,226	(0)	1,420	1,072	843	1,896	3,047
ESDRYER	Energy Star Clothes Dryer	5,147	-	74	57	86	71	149	1,417	300	132	2,859	-	-
FAIRSHOW	Fairs & Shows	20,359	-	-	863	955	880	161	6,961	9,648	751	109	-	30
FRECYCLE	Fluorescent Lamp Recycling	14,000	-	-	-	-	-	-	-	-	-	-	-	14,000
FREEZER	Energy Star Freezer	2,542	65	158	105	144	98	75	329	38	38	603	93	796
GENMT	Generator Maint & Testing	19,675	613	2,768	2,974	2,508	149	4,169	1,577	177	1,390	299	2,113	938
GPUMPRES	Geothermal Heat Pumps-Residential	1,499	19	186	175	146	127	43	606	-	-	-	47	150
HIEFF	High Efficiency A/C Rebates	334,194	11,586	1,434	1,774	7,672	26,938	51,107	41,285	69,072	62,247	24,565	34,366	2,150
HPUMP	Heat Pumps - Residential	17,901	1,268	863	1,295	2,042	580	1,471	1,224	2,669	2,346	997	1,570	1,575
HPWH	Heat Pump Water Heater	519	-	9	10	-	-	-	-	-	-	500	-	-
INCELGIBL	Income Eligible Non Cap Projects	35,530	-	-	-	-	-	49,500	(49,500)	20,540	-	-	4,029	10,961
IRRIG	Interruptible Irrigation	21,391	623	710	1,335	3,024	7,046	1,068	1,519	1,696	813	539	1,098	1,921
LEDLIGHTS	LED - Lights	116,739	3,955	4,190	4,063	4,779	5,097	2,710	8,158	7,247	2,999	3,917	42,084	27,542
LEDXMAS	LED - Holiday Lights	3,241	1,230	1,387	422	84	-	-	-	-	-	8	26	84
LEDYARD	LED Yard Light	30	-	-	-	-	-	-	-	-	-	30	-	-
LIACMAINT	Low Income A/C Tune-up	9,802	-	-	-	-	-	-	-	-	-	-	-	9,802
LICLSWSHR	Low Income Clothes Washer	17,689	-	-	-	-	-	-	-	-	-	-	-	17,689
LIDEHUMID	Low Income Dehumidifier Units	350	-	-	-	-	-	-	-	-	-	-	-	350
LIDISH	Low Income Dishwashers	8,145	-	-	-	-	-	-	-	-	-	-	-	8,145
LIFREEZER	Low Income Freezer	6,004	-	-	-	-	-	-	-	-	-	-	-	6,004
LIMICRO	Low Income Microwave Ovens	6,092	-	-	-	-	-	-	-	-	-	-	-	6,092
LIROOMAC	Low Income Room Air Conditioner	11,735	-	-	-	-	-	-	-	-	-	-	-	11,735
LIWTRHTR	Low Income Water Heater	1,158	-	-	-	-	-	-	-	-	-	1,158	-	-

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	Est Dec-17
LOADCTRL	Load Control	137,022	15,304	9,381	29,727	8,483	15,534	9,751	15,563	7,395	(2,448)	10,258	21,205	(3,131)
PEAK	Peak Alert Rate 70	18,947	973	1,168	2,530	1,081	1,718	2,518	2,275	1,955	971	1,193	1,568	995
PLCMT & PLCMAST	Power Line Carrier DSM	54,485	24,181	4,585	1,581	1,514	6,634	3,394	1,513	1,513	1,513	1,516	1,516	5,025
POOLPUMP	Pool Pump Variable Speed Motor	2,647	-	19	-	-	-	10	-	1,210	1,010	200	200	-
REFRIGLOW	Low Income Refrigerator Replacements	184	-	-	-	69	-	-	-	-	-	-	-	115
REGD	Regulatory - DSM	130,352	981	369	31,560	-	67	31,785	158	102	32,973	185	70	32,102
RENEW	Optional Renewable Energy	2,184	990	-	-	-	-	-	-	1,035	-	-	100	59
RFGRCYC	Refrigerator Recycling	16,378	158	382	468	258	429	432	4,549	1,660	29	7,012	309	691
ROOMSTORG	Room Storage Electric Heat	1,035	180	119	378	-	-	176	-	-	-	-	-	182
SOLAR	Solar Electric General Activity & Education	57,866	1,163	3,342	4,771	3,658	6,009	6,099	6,394	6,625	6,543	6,364	4,552	2,346
STARHOME	Star Home Program	500	(5,000)	-	-	500	750	(1,250)	-	3,000	(1,500)	2,000	-	2,000
VMISERDEA	Vending Miser DEA customers	146	-	-	-	109	36	-	-	-	-	-	-	-
WARFZ	Working Appliance Recycling Freezer	2,252	19	75	76	77	17	40	150	225	319	1,107	131	17
WARRF	Working Appliance Recycling Refrigerator	9,372	37	102	95	96	82	61	1,004	600	1,894	5,205	115	80
WTRHTR	Water Heaters	82,403	6,881	5,108	9,816	318	7,035	5,977	7,884	11,070	8,895	6,088	6,270	7,061
	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	9,674
	Depreciation Expense DSM-General	2,106	176	176	176	176	176	176	176	176	176	176	176	176
		<u>3,052,641</u>	<u>193,826</u>	<u>192,426</u>	<u>178,231</u>	<u>135,633</u>	<u>213,535</u>	<u>257,552</u>	<u>137,174</u>	<u>336,972</u>	<u>583,883</u>	<u>232,511</u>	<u>314,255</u>	<u>276,644</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-16	154,655,670	0.0012	185,587	0.0000	0
Feb-16	151,866,583	0.0012	182,240	0.0000	0
Mar-16	139,580,905	0.0012	167,497	0.0000	0
Apr-16	128,371,516	0.0012	154,046	0.0000	0
May-16	131,258,619	0.0012	157,510	0.0000	0
Jun-16	154,378,043	0.0012	185,254	0.0000	0
Jul-16	178,773,659	0.0012	214,528	0.0000	0
Aug-16	198,791,628	0.0012	238,550	0.0000	0
Sep-16	170,956,298	0.0012	205,148	0.0000	0
Oct-16	141,304,267	0.0012	169,565	0.0000	0
Nov-16	130,316,259	0.0012	156,380	0.0000	0
Dec-16	143,506,099	0.0012	172,207	0.0000	0
	1,823,759,546		2,188,511		0
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

Dakota Electric Association
Energy Conservation Spending
Year Ended December 31, 2017

Program Name	2017 DEA+GRE Spending
Residential	
Air Conditioning Tune-Up	8,069
Air Source Heat Pump (ASHP) Residential	28,311
CFL Rebate	2,200
LED - Lights	176,262
LED - Holiday Lights	7,677
Energy Star Central Air Conditioner Rebate	357,844
Energy Star Clothes Dryer	9,197
Energy Star Freezer	3,892
Refrigerator with Recycling	38,278
Working Appliance Recycling Freezer	4,652
Working Appliance Recycling Refrigerator	17,922
Residential Ground Source Heat Pump (GSHP)	14,899
Interruptible Air Conditioning - Residential	196,929
Off-Peak Water Heating-ETS & PSWH	100,803
Off-Peak Space Heating-Dual Fuel	20,898
Low Income Refrigerator Replacements	184
Low Income Clothes Washer	17,689
Low Income Dehumidifier Units	350
Low Income Dishwashers	8,145
Low Income Microwave Ovens	6,092
Low Income Room Air Conditioning	11,735
Low Income Freezer	6,004
Low Income Water Heater	1,158
Energy Intelligent Lifestyle - Energy Education	117,475
Energy Efficiency Training & Education	8,274
Electron-Commutated Motor	136,229
Electrical Evaluation & Consultation	26,757
Low Income Audit	4,908
Fluorescent Bulb Recycling Program	14,000
Income Eligible Project	85,030
Energy Wise New Home Construction	9,000
Residential Subtotal	1,440,863
Commercial	
C&I-A Energy Grant Program	2,047,989
C&I Electrical Eval & Consultation	8,399
Vending Miser	146
Interruptible Air Conditioning - C&I	2,745
Commercial Subtotal	2,059,279

Total Energy Conservation Spending	\$ 3,500,141
Statutory Spending Requirement*	\$ 3,023,787
Percent of Requirement Devoted to Energy Conservation**	116%

*Statutory Spending Requirement equals 1.5% of 2016 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 11th day of January, 2018

/s/ Corey Hintz