




Your Touchstone EnergySM Partner 

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A Locally Owned, Nonprofit Electric Utility

Filed Electronically

January 12, 2017

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

**Re: Dakota Electric Association
2017 Annual Resource and Tax Adjustment
Docket No. E-111/M-15-____
PUBLIC DOCUMENT**

Dear Mr. Wolf:

Dakota Electric Association (Dakota Electric) respectfully submits its 2017 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 \$0.0036 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 

Public Document – Excludes Trade Secret Information

Annual Resource & Tax Adjustment

**January 2017
Through December 2017**

January 12, 2017

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, 2017. 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, 2017. 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 2017.

Schedule A3 computes the DSM & conservation recovery factor based on 1) projected sales for the calendar year ending December 31, 2017, 2) projected additions for calendar 2016 (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, 2017, and 2) estimated property and real estate tax payable during calendar 2017 (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, 2016, based on actual sales and power costs. Schedule B1-1 details the power cost recovery mechanism for 2016.

Schedule B2 computes the accumulated over-recovery or under-recovery of DSM & conservation costs through the previous calendar year ended December 31, 2016, 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, 2016, 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, 2016 and the approved additions during 2016.

Schedule F lists the 2016 spending on conservation programs that reduce energy use.

Appendix is a copy of the calendar year 2017 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, 2017

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	\$0.0030	\$0.0004	\$0.0002	\$0.0036	\$0.13080	\$0.11680	\$0.12064	\$0.12424
32 Resl Dem Ctrl	\$0.0903	\$0.0030	\$0.0004	\$0.0002	\$0.0036	\$0.07600	\$0.07600	\$0.07600	\$0.07960
36 Irrigation - Firm	\$0.0903	\$0.0030	\$0.0004	\$0.0002	\$0.0036	\$0.04990	\$0.04990	\$0.04990	\$0.05350
37 Irrigation - Interruptible	\$0.0497	\$0.0004	\$0.0004	\$0.0002	\$0.0010	\$0.04990	\$0.04990	\$0.04990	\$0.05090
41 Sm Genl Serv	\$0.0903	\$0.0030	\$0.0004	\$0.0003	\$0.0037	\$0.12690	\$0.11290	\$0.11630	\$0.12000
44 Street Lights	\$0.0903	\$0.0030	\$0.0004	\$0.0002	\$0.0036	Various	Various	Various	Various
44B Security Lgts	\$0.0903	\$0.0030	\$0.0004	\$0.0002	\$0.0036	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	\$0.0030	\$0.0004	\$0.0000	\$0.0034	\$0.07760 1st 200kWh per kW, next 200 @ \$0.06760, over 400 @ \$0.05760		\$0.0726	\$0.0760
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	\$0.0016	\$0.0004	\$0.0000	\$0.0020	\$0.09400	\$0.09400	\$0.09400	\$0.09600
51 Controlled Energy Storage	\$0.0200	\$0.0016	\$0.0004	\$0.0002	\$0.0022	\$0.04400	\$0.04400	\$0.04400	\$0.04620
52 Controlled Interruptible	\$0.0305	\$0.0059	\$0.0004	\$0.0002	\$0.0065	\$0.05500	\$0.05500	\$0.05500	\$0.06150
53 Time of Day - Res'l	\$0.0903	\$0.0030	\$0.0004	\$0.0002	\$0.0036	\$0.18800 peak summer, \$0.17400 peak other (4-11pm) peak (11pm-4am) \$0.09400 off			
54 Time of Day - Genl Service	\$0.0903	\$0.0030	\$0.0004	\$0.0000	\$0.0034	\$0.04990	\$0.04990	\$0.04990	\$0.05330
70 Interruptible Option - Full	\$0.0497	\$0.0004	\$0.0004	\$0.0001	\$0.0009	\$0.04990	\$0.04990	\$0.04990	\$0.05080
71 Interruptible Option - Partial	\$0.0497	\$0.0004	\$0.0004	\$0.0001	\$0.0009	\$0.04990	\$0.04990	\$0.04990	\$0.05080
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	= \$	22,109,131
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	= \$	157,752

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	= \$	32,102

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

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

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	= \$	737,709

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	= \$	691,152

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

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, 2017**

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, 2017**

Trade Secret Data has been excised.

CONTAINS TRADE SECRET INFORMATION

Schedule A2-1

Page 3 of 5

**Dakota Electric Association
Load Management Rate 52 Adjustment Projection
For the Twelve Months Ending December 31, 2017**

Trade Secret Data has been excised.

CONTAINS TRADE SECRET INFORMATION

**Dakota Electric Association
Geothermal Adjustment Projection
For the Twelve Months Ending December 31, 2017**

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, 2017**

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, 2017**

Trade Secret Data has been excised.

Dakota Electric Association
Projected DSM & Conservation Recovery Factor
For the Twelve Months Ending December 31, 2017

Schedule A3

(A)	(B)	(C)	
2016 DSM & Conservation Tracker Expenses	\$ 2,795,562		Schedule E, Column G
2016 Recovery in Base Rates	(2,188,511)		Schedule E, Column H
Subtotal	607,050		
2016 Carrying Cost	18,983		Schedule E, Column D
2016 Amortization of 2008 Balance*	0		Schedule E, Column C
2016 Tracker Additions	626,033		
Cumulative True-Up (Over) / Under-Recovery at 12/31/16	42,219		Schedule B2
Total to Recover 2017	\$ 668,252		
Projected Calendar Year 2017 kWh Sales	1,836,629,000		
Tracker Account Recovery Factor	\$ 0.0004	per kWh	

Projected Recovery Results

Month	Projected kWh Sales	Projected DSM & Conservation Recovery
Jan-17	155,906,000	\$ 62,362
Feb-17	138,899,000	55,560
Mar-17	139,384,000	55,754
Apr-17	128,966,000	51,586
May-17	140,346,000	56,138
Jun-17	165,819,000	66,328
Jul-17	195,668,000	78,267
Aug-17	185,288,000	74,115
Sep-17	151,616,000	60,646
Oct-17	137,200,000	54,880
Nov-17	140,183,000	56,073
Dec-17	157,354,000	62,942
Total kWh Sales	1,836,629,000	\$ 734,651
Total to Recover 2017		668,252
Net Projected Over / (Under) Recovery at 12/31/17		\$ 66,399

* See page 2 of Schedule E for additional details

Dakota Electric Association
Projected Property & Real Estate Tax Recovery Factor
For the Twelve Months Ending December 31, 2017

Schedule A4-1

(A)	(B)	(C)
Estimated 2017 Real & Personal Property Taxes*	3,567,921	Schedule A4-3
Projected 2017 Recovery in Base Rates	<u>(3,489,595)</u>	
Projected 2017 (Over) / Under-Recovery in Base Rates	78,326	
Cumulative True-Up (Over) / Under-Recovery at 12/31/2016	<u>162,702</u>	Schedule B3, Column B
Recoverable Balance for 2017	<u>\$ 241,028</u>	
Projected Calendar Year 2017 kWh Sales	<u>1,836,629,000</u>	
Average Property & Real Estate Tax Recovery	<u>\$ 0.00010</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-17	155,906,000	\$ 15,591
Feb-17	138,899,000	13,890
Mar-17	139,384,000	13,938
Apr-17	128,966,000	12,897
May-17	140,346,000	14,035
Jun-17	165,819,000	16,582
Jul-17	195,668,000	19,567
Aug-17	185,288,000	18,529
Sep-17	151,616,000	15,162
Oct-17	137,200,000	13,720
Nov-17	140,183,000	14,018
Dec-17	<u>157,354,000</u>	<u>15,735</u>
Total kWh Sales	1,836,629,000	\$ 183,664
Recoverable balance for 2017		<u>241,028</u>
Net Projected Over / (Under) Recovery at 12/31/17		<u>\$ (57,364)</u>

* Refers to 2016 taxes payable in 2017

Dakota Electric Association
Projected Property & Real Estate Tax Adjustment
Allocation to Rate Classes Using Cost of Service Method
For the Twelve Months Ending December 31, 2017

Schedule A4-2

Class & Rate	Property & Real Estate Taxes in Rate Case	% Plant	Current Recoverable Balance	(Over)/Under Recovered 12/31/2016	Net Recoverable Balance	Forecasted kWh Sales 1/2017 -12/2017	Adjustment per kWh
A	B	C	D			E	F
Residential	\$2,668,288	72.11%	\$56,480	112,718	\$169,198	898,721,000	\$0.0002
31 Residential							
32 Resl Demand Control							
53 Resl Time of Day							
Irrigation	27,096	0.73%	572	1,759	2,331	10,484,000	0.0002
36 Irrigation							
37 Irrigation - Controlled							
Small General Service - 41	157,509	4.26%	3,337	9,889	13,226	43,269,000	0.0003
General Service	444,762	12.02%	9,415	9,660	19,075	456,083,000	0.0000
46 General Service							
49 Geothermal							
54 General Service Time of Day							
Interruptible Option - 70 & 71	318,376	8.60%	6,736	23,746	30,482	395,000,000	0.0001
Lighting	84,419	2.28%	1,786	4,929	6,715	33,072,000	0.0002
44 Street Lights							
44B Security Lights							
TOTAL	\$3,700,450	100.00%	78,326	\$162,702	\$241,028	1,836,629,000	\$0.0001

Dakota Electric Association
Property & Real Estate Taxes by Location
Estimated 2016 Taxes Payable in 2017

Schedule A4-3

PERSONAL PROPERTY TAXES

Dakota County

Apple Valley / 196	\$ 536,963.32
Apple Valley / 191	5,526.96
Burnsville / 191	327,042.04
Burnsville / 194	44,474.38
Burnsville / 196	212,301.10
Burnsville Sub / 196 (Leased Land)	26,126.42
Burnscott Sub / 191 (Leased Land)	16,771.14
Eagan / 191	50,251.56
Eagan / 196	560,996.90
Eagan / 197	84,421.02
Pilot Knob Sub / 196 (Leased Land)	16,162.10
Eagan Sub / 196 Westcott (L.L.)	36,047.94
Farmington / 192	127,960.30
Randolph Sub / 195	-
Hastings / 200	30,741.20
Inver Grove Heights / 199	21,316.22
Inver Grove Heights / 196	82,708.68
Lakeville / 196	78,798.70
Lakeville / 194	376,152.56
Lakeville / 192	50,433.74
Miesville / 200	2,417.32
New Trier / 200	108.90
Rosemount / 200	31.12
Rosemount / 196	69,664.04

Scott County

Lake Marion Sub / 194 (Leased Land)	9,534.00
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Goodhue County

Cannon Falls Twp	5,688.00
Burnside Twp (Redwing)	21,838.00

Great River Energy

Empire Sub / 192	14,875.16
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Xcel Energy

Vermillion Sub / 192	22,598.18
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Total Property Taxes

2,831,951.00

Total Personal Property Taxes

GRAND TOTAL TAXES

\$ 3,567,920.67

REAL ESTATE TAXES

Dakota County

Fischer Sub - Apple Valley / 196	\$ 50,096.78
Apple Valley Sub - Apple Valley / 196	29,104.14
Colonial Hills Sub - Burnsville / 191	36,359.42
Castle Rock Sub South / 659	4,144.78
Castle Rock Sub North / 659	42.84
Lemay Sub West - Eagan / 197	1,701.00
Lemay Sub East - Eagan / 197	29,365.40
Deerwood Sub - Eagan Sub / 196	23,621.26
Lebanon Hills Sub - Eagan / 196	13,421.44
Eagan Sub / 196	26,498.40
River Hills Sub - Eagan / 196	50,885.54
Yankee Doodle Sub - Eagan / 196	33,863.34
Farmington Sub / 192	2,786.16
Randolph Sub / 195	106.24
Rich Valley Sub - Inver Grove / 196	4,235.26
Orchard Lake Sub - Lakeville / 194	18,862.10
Dakota Heights Sub - Lakeville / 194	22,249.86
Dodd Park Sub South - Lakeville / 194	311.56
Dodd Park Sub North - Lakeville / 194	21,320.14
Kenrick Sub - Lakeville / 194	32,886.88
Lakeville Sub / 196	18,281.38
Ritter Sub / 194	38,179.56
Hastings Sub / 200	15,303.76
Nininger Sub / 200	20,657.24
Marshan Twp / 200	13,011.16
Miesville Sub South / 200	14,301.16
Miesville Sub Northwest / 200	2,466.52
Headquarters Building	157,112.12

Goodhue County

Byllesby Sub - Cannon Falls Twp	6,896.00
Ravenna Sub	31,330.00

MN Valley Electric

Burnscott Joint Sub	4,729.95
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Xcel Energy

Vermillion Sub / 192	11,838.28
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Total Real Estate Taxes

\$ 735,969.67

Total Real Estate Taxes

CONTAINS TRADE SECRET INFORMATION

**Dakota Electric Association
Energy Cost Adjustment
For the Twelve Months Ending December 31, 2016**

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, 2016**

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, 2016**

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, 2016**

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, 2016**

Schedule B1

Page 5 of 5

Trade Secret Data has been excised.

CONTAINS TRADE SECRET INFORMATION

**Dakota Electric Association
Power Cost Adjustment Projection
2016 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, 2016

Schedule B2

(A)	(B)	(C)	(D)
Month	Projected kWh Sales	Actual Billed kWh Sales	Resource Recovery @ 0.0000/kWh
Jan-16	161,182,000	154,655,670	-
Feb-16	142,839,000	151,886,583	-
Mar-16	144,877,000	139,580,905	-
Apr-16	132,900,000	128,371,516	-
May-16	143,379,000	131,258,619	-
Jun-16	167,837,000	154,378,043	-
Jul-16	205,503,000	178,773,659	-
Aug-16	190,093,000	198,791,628	-
Sep-16	155,719,000	170,956,298	-
Oct-16	142,236,000	141,304,267	-
Nov-16	144,103,000	130,316,259	-
Dec-16	162,595,000	143,506,099	-
Total kWh Sales	1,893,263,000	1,823,779,546	-
Actual DSM & Conservation Recovery		\$	- (D) total from above
Less DSM & Conservation Additions in 2015		\$	84,310 Schedule E, Col C+D+F
Over (Under) Recovery at December 31, 2016		\$	(84,310) Recovery - 2015 Additions
Cumulative Over (Under) Recovery at December 31, 2015		\$	42,091 January 2016 RTA Filing Schedule B2
Cumulative Over (Under) Recovery at December 31, 2016		\$	(42,219)

Dakota Electric Association
Property & Real Estate Tax (Over)/Under Recovery
Year Ended December 31, 2016

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-15	115,910							
Jan-16	114,766	(1,144)	630	(3,739)	293,846	290,107	288,333	(5,513)
Feb-16	118,681	3,915	624	(3,543)	288,585	285,042	288,333	(252)
Mar-16	146,143	27,462	645	(3,688)	265,204	261,516	288,333	23,129
Apr-16	192,937	46,794	794	(3,579)	243,906	240,327	286,327	42,421
May-16	236,367	43,430	1,048	(3,875)	249,391	245,516	287,897	38,506
Jun-16	238,019	1,652	1,284	(3,839)	293,318	289,479	289,847	(3,471)
Jul-16	193,318	(44,701)	1,293	(3,829)	339,670	335,841	289,847	(49,823)
Aug-16	110,601	(82,717)	1,050	(4,090)	377,704	373,614	289,847	(87,857)
Sep-16	80,289	(30,312)	601	(4,057)	324,817	320,760	289,847	(34,970)
Oct-16	102,085	21,796	436	(3,706)	268,478	264,772	286,132	17,654
Nov-16	144,708	42,623	555	(3,537)	247,601	244,064	286,132	38,531
Est Dec-16	162,702	17,993	786	(3,737)	272,662	268,925	286,132	13,470
Total	162,702	46,791	9,746	(45,219)	3,465,182	3,419,963	3,457,008	(8,174)
						(= E + F)		(= H - F)

Dakota Electric Association
Projected kWh Sales & Usage
For the Twelve Months Ending December 31, 2017

Schedule C

(A)	(B)	(C)	(D)	(E)	(F)	(G)
KWH Sold	Historical Sales					Projected
	2012	2013	2014	2015	2016	2017
Jan	152,561,974	157,426,160	163,031,366	153,802,214	153,660,508	155,906,000
Feb	138,207,414	137,373,065	143,476,639	139,609,638	136,674,375	138,899,000
Mar	137,437,402	143,753,996	145,116,644	137,452,561	134,006,431	139,384,000
Apr	127,941,859	133,777,464	130,795,516	125,942,192	127,143,895	128,966,000
May	148,078,063	139,332,599	140,700,505	134,241,005	140,205,110	140,346,000
Jun	177,639,639	158,876,381	162,636,408	159,727,676	171,188,740	165,819,000
Jul	226,936,444	195,856,692	176,185,540	188,076,210	194,417,314	195,668,000
Aug	182,171,287	192,891,587	189,048,881	176,198,869	189,139,131	185,288,000
Sep	149,785,964	158,337,135	144,013,151	159,986,766	148,362,495	151,616,000
Oct	138,461,226	138,820,567	134,412,956	132,983,623	135,482,227	137,200,000
Nov	138,938,590	140,941,343	143,867,239	134,039,036	134,297,451	140,183,000
Dec	156,643,738	162,112,176	155,150,472	150,254,953	157,396,452	157,354,000
	1,874,803,600	1,859,499,165	1,828,435,317	1,792,314,743	1,821,974,129	1,836,629,000
# Increase/(Decrease)	6,283,721	(15,304,435)	(31,063,848)	(36,120,574)	29,659,386	14,654,871
% Increase	0.34%	-0.82%	-1.67%	-1.98%	1.65%	0.8%

(A)	(B)	(C)	(D)	(E)	(F)	(G)
Own Use	Historical Sales					Projected
	2012	2013	2014	2015	2016	2017
Jan	333,280	337,271	358,100	324,408	299,202	342,000
Feb	263,144	289,004	345,764	317,425	266,336	308,000
Mar	190,808	265,983	281,255	229,479	196,608	242,000
Apr	141,966	209,645	175,066	149,561	154,725	173,000
May	108,760	132,920	112,250	103,468	104,308	117,000
Jun	112,087	106,460	103,902	109,485	109,381	112,000
Jul	124,940	113,131	107,414	111,223	111,058	118,000
Aug	119,409	109,021	111,570	112,210	115,113	118,000
Sep	105,750	100,180	98,898	106,731	103,822	108,000
Oct	117,821	115,638	115,145	101,455	108,514	117,000
Nov	186,548	233,735	234,295	139,948	166,064	206,000
Dec	272,210	341,093	261,818	239,882	317,421	289,000
	2,076,723	2,354,081	2,305,477	2,045,275	2,052,552	2,250,000
# Increase/(Decrease)	(202,769)	277,358	(48,604)	(260,202)	7,277	197,448
% Increase	-8.90%	13.36%	-2.06%	-11.29%	0.36%	9.6%

**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
2012	1,934,928,169	1,874,803,600	2,076,723	58,047,846	3.000%
2013	1,920,590,874	1,859,499,165	2,354,081	57,617,726	3.000%
2014	1,887,361,641	1,828,435,317	2,305,477	56,620,847	3.000%
2015	1,849,855,685	1,792,314,743	2,045,275	55,495,668	3.000%
2016	1,872,717,331	1,821,974,129	2,052,552	48,690,650	2.600%
Total	9,465,453,701	9,177,026,953	10,834,108	276,472,737	2.921%

* 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, 2015

Schedule E

Page 1 of 2

A	B	C	D	E	F	G	H
	Conservation Account # 16120	Amortization of 12/31/08 Balance	Carrying** Cost @ 7.42%	Resource Adjustment	Additions to Tracker Account	Conservation Expenses	
Month	Balance	Over 5 years*		Recovery		Expenses Incurred	Recovery in Base Rates
Dec-14	(42,782)						
Jan-15	(103,818)	32,767	(265)	-	(93,538)	127,438	(220,976)
Feb-15	(97,485)	32,767	(642)	-	(25,792)	182,915	(208,707)
Mar-15	(99,197)	32,767	(603)	-	(33,876)	167,283	(201,158)
Apr-15	(88,130)	32,767	(613)	-	(21,087)	162,964	(184,051)
May-15	(38,017)	32,767	(545)	-	17,891	199,355	(181,464)
Jun-15	83,914	32,767	(235)	-	89,399	291,682	(202,283)
Jul-15	2,934	32,767	519	-	(114,266)	124,733	(238,999)
Aug-15	(116,837)	-	18	-	(119,789)	140,445	(260,234)
Sep-15	(177,033)	-	(722)	-	(59,474)	182,730	(242,204)
Oct-15	(79,537)	-	(1,095)	-	98,591	301,323	(202,732)
Nov-15	(29,300)	-	(492)	-	50,729	229,801	(179,072)
Dec-15	41,527	-	(159)	-	70,987	236,752	(165,765)
Annual Total		229,369	(4,834)	-	(140,225)	2,347,420	(2,487,645)
(= G + H)							

*Amortization started in August 2010 with new rates approved in the 2009 rate case and ended in July 2015

**December 15 used carry cost rate of 6.52% per the 2014 Rate Case

**Dakota Electric Association
DSM/Conservation Tracker Account
Year Ended December 31, 2016**

Schedule E

Page 2 of 2

A	B	C	D	E	F	G	H
	Conservation Account # 16120	Amortization of 12/31/08 Balance	Carrying Cost @ 6.52%	Resource Adjustment Recovery	Additions to Tracker Account	Conservation Expenses	
Month	Balance	Over 5 years*				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)
Est. Dec-16	667,561	-	3,556	-	9,448	181,656	(172,207)
Annual Total		-	18,983	-	607,050	2,795,562	(2,188,511)
(= G + H)							

*Amortization started in August 2010 with new rates approved in the 2009 rate case and ended in July 2015

DAKOTA ELECTRIC ASSOCIATION
Conservation Projects
Eligible for Tracker Account Cost Recovery

Schedule E-1
Page 1 of 4

		2015												
		Total	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
ACMAINT	Low Income A/C Tune-up	5,832	-	-	-	-	-	-	-	-	-	4,050	-	1,782
ACTUNEUP	Air Conditioning Tune-Up	3,699	75	62	45	1,159	423	626	222	227	116	479	129	137
AFFORD07	Affordable Housing Project	25,528	-	-	-	-	-	74,970	(74,930)	-	16,962	-	16	8,509
AUDC	Energy Audits - Commercial	15,302	328	7,980	804	561	442	391	771	220	1,521	406	651	1,226
AUDLOW	Low Income Audit Program	10,109	256	56	206	289	468	188	169	130	403	4,879	65	3,000
AUDR	Energy Audits - Residential	27,549	1,764	1,809	2,256	1,622	1,875	1,714	1,198	2,221	4,371	3,029	1,893	3,796
BLDCIP	Energy Audits - Residential	62,564	-	3,695	396	7,978	47,140	1,875	-	983	497	-	-	-
CACCI	Cycled Air - C&I	1,416	-	-	71	176	56	127	83	509	112	159	37	86
CACRES	Cycled Air - Residential	218,586	4,725	1,322	15,945	8,730	20,101	20,849	18,232	15,414	55,980	11,053	6,182	40,052
CFLRES	Compact Fluorescent Lighting	2,386	163	98	172	1,168	81	98	57	18	45	117	43	325
CIGRANT	Energy Grant	435,784	6,345	22,693	40,975	26,692	17,455	45,294	67,503	19,815	33,944	36,868	101,371	16,830
CINEWS	C&I Newsletter "Cooperation"	1,119	4	1,116	-	-	1,147	-	-	-	-	(1,147)	-	-
CIPGOALS	C&I Newsletter "Cooperation"	110,257	10,132	11,789	10,539	8,782	7,237	8,869	7,554	7,625	9,368	9,863	9,144	9,354
CIGROUP	C&I Newsletter "Cooperation"	14,326	-	792	1,885	3,245	4,541	391	798	193	868	536	742	334
CIPLAN	New Construction Plan Review	-	-	-	-	-	-	-	-	-	-	-	-	-
CIRC	Circuits - DSM	108,720	9,671	9,541	9,066	9,651	8,737	8,648	9,117	9,042	8,513	9,058	8,705	8,971
CUSTCARE/CUSTREL	Load Management Tracking System	-	-	-	-	-	-	-	-	-	-	-	-	-
DEHUMID	Energy Efficiency Training & Education	3,569	55	18	27	54	45	98	775	27	208	1,494	499	268
E3TRAIN	Energy Efficiency Training & Education	29,919	1,973	1,269	4,596	2,519	3,318	2,511	872	1,995	3,488	3,064	1,504	2,808
ECMMOTOR	Electron-Commutated Motor	53,761	1,031	937	580	380	662	364	451	299	571	17,353	10,726	20,406
EDUD	Education & Training - DSM	355	-	-	260	-	-	-	-	96	-	-	-	-
EIL	Energy Intelligent Lifestyle	118,336	4,682	78,626	3,801	4,228	2,966	2,979	2,262	4,173	2,769	3,779	4,294	3,776
EILPROD	Energy Intelligent Lifestyle-Products	33,867	1,758	2,171	2,996	2,379	3,895	2,641	1,897	2,344	4,632	1,991	1,983	5,181
ELECCAR	Electric Car	13,636	743	764	732	439	653	1,081	753	1,938	241	1,662	1,472	3,159
ELECHEAT	Electric Heat	26,319	3,023	3,499	3,566	2,083	824	2,290	(64)	1,868	1,847	1,137	2,171	4,076
ENERGYEFFAV	Energy Efficiency - Apple Valley	-	-	-	-	-	-	-	-	-	-	-	-	-
ENERGYEFFBV	Energy Efficiency - Burnsville	-	-	-	-	-	-	-	-	-	-	-	-	-
ESTAR	Energy Star	3,094	-	1,027	-	-	1,049	-	-	-	-	-	1,018	-
ETSCABLE	ETS Cable	265	-	114	-	-	-	-	-	-	-	151	-	-
EWEXPO	Energy Wise Expo	12,403	-	-	166	403	583	631	489	852	4,795	4,192	292	-
EXCOMMIG	ExpressCom Migration	-	-	-	-	-	-	-	-	-	-	-	-	-
FAIRSHOW	Fairs & Shows	24,380	111	9	763	957	87	1,034	9,132	10,993	1,064	-	207	24
FRECYCLE	Fluorescent Lamp Recycling	15,129	-	-	-	-	-	-	-	-	-	-	-	15,129
FREEZER	Energy Star Freezer	2,075	177	124	100	91	73	64	90	136	73	811	166	172
GENMT	Generator Maint & Testing	15,956	2,147	198	460	501	1,955	526	1,596	1,019	1,542	5,183	(42)	871
GPUMP	Geothermal Heat Pumps	148	-	-	-	-	-	-	121	28	-	-	-	-
GPUMPRES	Geothermal Heat Pumps-Residential	5,973	461	279	1,008	1,438	130	9	268	130	69	2,060	121	-
HIEFF	High Efficiency A/C Rebates	204,787	2,075	436	2,329	8,045	14,716	22,504	24,213	18,549	24,362	42,352	26,916	18,289
HPUMP	Heat Pumps - Residential	40,958	1,228	3,715	4,557	3,008	2,007	5,137	1,943	1,727	5,192	2,818	2,498	7,129
HPWH	Heat Pumps - Residential	318	9	9	-	-	-	-	-	-	300	-	-	-
IRRIG	Interruptible Irrigation	28,210	437	786	1,452	8,629	5,145	2,697	1,830	1,016	1,416	3,236	938	628
LEDLIGHTS	LED - Lights	49,427	2,792	2,124	2,256	3,104	1,946	1,470	679	373	1,269	12,861	10,072	10,481
LEDPILOT	LED - Lights	11,484	-	-	-	-	227	11,093	47	-	-	-	94	23
LEDR&DPROJ	LED Roadway Lighting Pilot Project	10,849	1,430	296	1,634	1,531	1,372	1,253	1,043	937	654	335	57	308
LEDXMAS	LED - Holiday Lights	1,873	287	98	82	5	-	-	-	-	-	-	1,018	383
LEDYARD	LED - Yard Light	132	-	-	394	9	(358)	-	9	-	9	60	-	9
LIAIRCON	Low Income Central Air Condition Replace	3,166	-	-	-	-	-	-	-	-	-	3,166	-	-
LIASHP	Low Income Heat Pump Installation	-	-	-	-	-	-	-	-	-	-	-	-	-
LICLSWSHR	Low Income Clothes Washer	16,990	-	-	-	-	-	-	-	-	-	10,808	-	6,182
LIDEHUMID	Low Income Dehumidifier Units	910	-	-	-	-	-	-	-	-	-	-	910	-

DAKOTA ELECTRIC ASSOCIATION
Conservation Projects
Eligible for Tracker Account Cost Recovery

Schedule E-1
Page 2 of 4

		2015												
		Total	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
LIDISH	Low Income Dishwashers	12,925	-	-	-	-	-	-	-	-	-	8,272	-	4,653
LIECM	Low Income Furnace Motor Replacement	-	-	-	-	-	-	-	-	-	-	-	-	-
LIFREEZER	Low Income Freezer	7,628	-	-	-	-	-	-	-	-	-	4,943	-	2,685
LIGHTING	Energy Star Lighting	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMICRO	Low Income Microwave Ovens	8,384	-	-	-	-	-	-	-	-	-	5,354	-	3,030
LIROOMAC	Low Income Room Air Conditioner	1,799	-	-	-	-	-	-	-	-	-	1,542	-	257
LIWARR	Low Income Warranty Repairs	-	-	-	-	-	-	-	-	-	-	-	-	-
LIWEATHER	Low Income Weatherization Program	-	-	-	-	-	-	-	-	-	-	-	-	-
LIWTRHTR	Low Income Water Heater	-	-	-	-	-	-	-	-	-	-	-	-	-
LOADCTRL	Load Control	82,060	28,012	11,512	(5,021)	30,927	25,455	12,658	20,788	23,248	(45,396)	6,714	4,955	(31,792)
PEAK	Peak Alert Rate 70	25,023	2,416	4,219	3,127	2,446	2,364	1,639	1,023	962	2,634	1,485	824	1,883
PLCMT/PLCMAS	Power Line Carrier DSM	63,558	26,158	4,025	1,965	2,936	2,503	6,480	2,560	3,758	4,990	2,786	4,131	1,267
POOLHEAT	Heat Pump Pool Heater	18	-	-	-	9	-	-	-	-	9	-	-	-
POOLPUMP	Pool Pump Variable Speed Motor	1,172	-	-	27	18	-	62	29	9	18	200	-	809
REFRIGLOW	Low Income Refrigerator Replacements	39,017	501	0	134	230	474	338	279	413	11,511	17,816	97	7,224
REGD	Regulatory - DSM	134,872	1,251	691	34,573	3,319	1,018	31,745	1,422	889	240	29,865	187	29,672
RENEW	Optional Renewable Energy	-	-	-	-	-	-	-	-	-	-	-	-	-
RFGRCYC	Refrigerator Recycling	20,145	692	548	508	408	263	543	780	553	290	6,524	5,074	3,963
ROOMAC	Energy Star Room Air Conditioner	-	-	-	-	-	-	-	-	-	-	-	-	-
ROOMSTORG	Room Storage Electric Heat	4,707	437	419	665	17	-	847	-	(360)	1,847	(60)	131	762
SESCIP	School of Environmental Studies-CIP	-	-	-	-	-	-	-	-	-	-	-	-	-
SOLAR	School of Environmental Studies-CIP	23,868	737	1,049	755	2,055	4,506	2,137	4,940	2,436	1,210	2,271	920	849
STARHOME	Star Home Program	8,000	500	(1,000)	1,000	(500)	1,000	(1,500)	2,000	(2,000)	4,000	-	4,500	-
VMISERDEA	Vending Miser DEA customers	(199)	-	-	-	-	-	(199)	-	-	-	-	-	-
WARFZ	Working Appliance Recycling Freezer	1,604	12	35	45	18	18	40	69	27	-	702	225	411
WARRF	Working Appliance Recycling Refrigerator	4,430	124	97	100	100	54	170	168	82	(96)	1,686	720	1,225
WATERKIT	Residential Energy Saving Water Kits	-	-	-	-	-	-	-	-	-	-	-	-	-
WTRHTR	Water Heaters	75,850	3,930	3,865	5,712	5,773	5,914	9,419	6,614	336	9,028	8,114	6,726	10,420
	Depreciation Expense DSM-Distrib	60,743	4,787	-	9,574	5,351	4,787	4,881	4,881	5,195	5,244	5,244	5,244	5,553
	Depreciation Expense DSM-General	351	-	-	-	-	-	-	-	-	-	-	176	176
Total		2,347,420	127,438	182,915	167,283	162,964	199,355	291,682	124,733	140,445	182,730	301,323	229,801	236,752

Notes:

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

DAKOTA ELECTRIC ASSOCIATION
Conservation Projects
Eligible for Tracker Account Cost Recovery

Schedule E-1
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		2016												
		Total	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Est Dec-16
ACMAINT	Low Income A/C Tune-up	2,323	-	-	-	-	-	-	-	-	-	-	2,323	-
ACTUNEUP	Air Conditioning Tune-Up	6,315	47	27	93	1,139	656	599	204	589	2,234	484	243	-
AFFORD07	Affordable Housing Project	13,344	17	14	-	-	0	2	-	-	-	13,311	-	-
AUDC	Energy Audits - Commercial	9,425	542	476	1,002	784	828	1,120	524	537	1,046	469	1,149	949
AUDLOW	Low Income Audit Program	5,511	71	71	188	-	-	-	207	-	-	150	4,631	192
AUDR	Energy Audits - Residential	39,568	2,630	2,937	5,771	3,457	2,907	2,906	1,442	1,927	5,405	4,362	3,054	2,769
BLDCIP	Energy Audits - Residential	497	497	499	(499)	-	-	-	-	-	-	-	-	-
CACCI	Cycled Air - C&I	5,886	-	-	82	28	1,901	227	1,296	135	935	1,119	118	46
CACRES	Cycled Air - Residential	181,054	2,077	3,971	4,523	5,066	12,288	29,242	13,289	10,556	47,718	4,405	3,648	44,271
CEERTU	Small Comm Roof Top Units Pilot Program	47,357	-	-	73,475	(36,737)	-	-	1,663	-	(1,663)	-	10,620	-
CFLRES	Compact Fluorescent Lighting	1,069	89	128	122	57	92	11	-	-	52	129	65	326
CIGRANT	Energy Grant	732,068	59,510	70,298	67,830	58,102	69,310	52,336	93,459	33,587	53,207	122,192	14,538	37,698
CINEWS	C&I Newsletter "Cooperation"	2,224	-	852	1,363	9	(0)	-	-	-	-	-	-	-
CIPGOALS	C&I Newsletter "Cooperation"	98,632	8,524	8,789	9,146	11,010	8,640	7,371	7,175	7,297	7,479	8,070	7,381	7,751
CIGROUP	C&I Newsletter "Cooperation"	11,330	171	514	717	557	3,438	245	111	209	1,308	1,101	2,960	-
CIPLAN	New Construction Plan Review	141	-	-	-	141	-	-	-	-	-	-	-	-
CIRC	Circuits - DSM	108,200	9,682	9,266	9,282	9,622	8,669	8,655	9,201	9,012	8,358	8,648	8,710	9,095
CUSTCARE & CUST	Load Management Tracking System	-	-	-	-	-	-	-	-	-	-	-	-	-
DEHUMID	Energy Efficiency Training & Education	2,874	27	27	19	-	62	554	88	19	1,225	252	540	60
E3TRAIN	Energy Efficiency Training & Education	19,266	1,499	2,682	3,357	2,432	4,375	1,307	-	750	1,216	451	124	1,073
ECMMOTOR	Electron-Commutated Motor	50,685	727	535	372	(227)	1,011	819	330	270	21,021	11,003	14,215	609
EDUD	Education & Training - DSM	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL	Energy Intelligent Lifestyle	123,025	14,158	23,349	49,334	3,483	4,437	3,752	3,881	4,034	5,385	3,922	3,533	3,757
EILPROD	Energy Intelligent Lifestyle-Products	34,535	2,210	2,913	4,033	2,040	3,195	2,562	2,646	3,845	3,195	1,973	2,774	3,150
ELECCAR	Electric Car	22,723	535	1,892	684	1,265	1,695	646	575	980	6,019	4,214	3,529	690
ELECHEAT	Electric Heat	25,213	2,674	1,888	3,279	1,407	1,344	2,010	237	740	4,268	1,486	1,309	4,570
ENERGYEFFAV	Energy Efficiency - Apple Valley	-	-	-	-	-	-	-	-	-	-	-	-	-
ENERGYEFFBV	Energy Efficiency - Burnsville	-	-	-	-	-	-	-	-	-	-	-	-	-
ESTAR	Energy Star	2,421	1,147	256	-	-	1,018	-	-	-	-	-	-	-
ETSCABLE	ETS Cable	-	-	-	-	-	-	-	-	-	-	-	-	-
EWEXPO	Energy Wise Expo	-	-	-	-	-	-	-	-	-	-	-	-	-
EXCOMMIG	ExpressCom Migration	-	-	-	-	-	-	-	-	-	-	-	-	-
FAIRSHOW	Fairs & Shows	23,763	18	5	1,186	840	306	1,027	9,596	9,100	1,273	(788)	1,200	-
FRECYCLE	Fluorescent Lamp Recycling	13,500	-	-	-	-	-	-	-	-	-	-	-	13,500
FREEZER	Energy Star Freezer	2,203	121	145	112	93	91	56	76	47	852	102	262	246
GENMT	Generator Maint & Testing	16,004	1,614	597	1,888	672	558	1,478	398	1,562	1,169	1,392	3,211	1,466
GPUMP	Geothermal Heat Pumps	416	212	7	62	-	-	-	-	-	135	-	-	-
GPUMPRES	Geothermal Heat Pumps-Residential	11,298	355	241	364	341	99	129	14	124	2,124	7,233	124	150
HIEFF	High Efficiency A/C Rebates	350,291	7,211	2,199	1,570	11,578	36,575	44,752	32,040	52,014	72,254	43,889	35,330	10,879
HPUMP	Heat Pumps - Residential	38,513	710	2,312	4,050	1,768	838	3,459	1,363	1,977	9,939	3,349	2,000	6,749
HPWH	Heat Pumps - Residential	1,500	-	-	-	-	-	-	-	-	1,000	-	500	-
IRRIG	Interruptible Irrigation	25,984	1,382	400	1,554	8,497	4,594	3,251	1,094	1,366	314	761	833	1,938
LEDLIGHTS	LED - Lights	74,477	10,582	9,502	3,674	4,959	4,002	1,373	640	326	19,499	7,709	11,183	1,027
LEDPILOT	LED - Lights	-	-	-	-	-	-	-	-	-	-	-	-	-
LEDR&DPROJ	LED Roadway Lighting Pilot Project	726	9	-	-	-	-	-	-	-	-	-	718	-
LEDXMAS	LED - Holiday Lights	6,447	3,905	1,395	683	214	27	-	-	7	14	-	202	-
LEDYARD	LED - Yard Light	236	-	-	-	28	-	18	1	-	150	9	30	-
LIAIRCON	Low Income Central Air Condition Replace	-	-	-	-	-	-	-	-	-	-	-	-	-
LIASHP	Low Income Heat Pump Installation	-	-	-	-	-	-	-	-	-	-	-	-	-
LICLSWSHR	Low Income Clothes Washer	14,185	-	-	-	-	-	-	-	-	-	-	14,185	-
LIDEHUMID	Low Income Dehumidifier Units	167	-	-	-	-	-	-	-	-	-	-	167	-

DAKOTA ELECTRIC ASSOCIATION
Conservation Projects
Eligible for Tracker Account Cost Recovery

Schedule E-1
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		2016												
		Total	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Est Dec-16
LIDISH	Low Income Dishwashers	7,378	-	-	-	-	-	-	-	-	-	-	7,378	-
LIECM	Low Income Furnace Motor Replacement	-	-	-	-	-	-	-	-	-	-	-	-	-
LIFREEZER	Low Income Freezer	5,480	-	-	-	-	-	-	-	-	-	-	5,480	-
LIGHTING	Energy Star Lighting	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMICRO	Low Income Microwave Ovens	1,425	-	-	-	-	-	-	-	-	-	-	4,985	(3,560)
LIROOMAC	Low Income Room Air Conditioner	277	-	-	-	-	-	-	-	-	-	-	277	-
LIWARR	Low Income Warranty Repairs	-	-	-	-	-	-	-	-	-	-	-	-	-
LIWEATHER	Low Income Weatherization Program	-	-	-	-	-	-	-	-	-	-	-	-	-
LIWTRHTR	Low Income Water Heater	-	-	-	-	-	-	-	-	-	-	-	-	-
LOADCTRL	Load Control	160,595	15,155	17,260	17,131	38,492	18,760	32,322	38,069	15,777	(12,591)	5,703	4,280	(29,762)
PEAK	Peak Alert Rate 70	20,535	1,619	920	1,273	1,271	2,526	2,391	1,087	1,445	2,957	2,320	1,376	1,349
PLCMT & PLCMAS	Power Line Carrier DSM	71,279	25,405	2,737	6,112	4,492	6,271	3,007	4,267	3,768	1,515	3,863	4,204	5,638
POOLHEAT	Heat Pump Pool Heater	1,619	-	-	-	19	-	-	-	-	1,600	-	-	-
POOLPUMP	Pool Pump Variable Speed Motor	4,656	-	-	-	9	19	9	-	-	2,200	419	2,000	-
REFRIGLOW	Low Income Refrigerator Replacements	22,130	539	266	1,358	-	-	127	75	133	69	-	19,455	108
REGD	Regulatory - DSM	127,623	79	144	29,452	332	390	28,790	138	143	31,560	232	262	36,102
RENEW	Optional Renewable Energy	2,383	1,147	256	-	-	-	-	-	370	609	-	-	-
RFGRCYC	Refrigerator Recycling	18,722	575	390	494	494	667	210	231	56	9,196	4,224	1,420	766
ROOMAC	Energy Star Room Air Conditioner	-	-	-	-	-	-	-	-	-	-	-	-	-
ROOMSTORG	Room Storage Electric Heat	4,222	11	-	1,011	28	-	611	-	(450)	1,819	317	574	300
SESCIP	School of Environmental Studies-CIP	-	-	-	-	-	-	-	-	-	-	-	-	-
SOLAR	School of Environmental Studies-CIP	38,236	629	1,251	2,375	4,215	5,426	4,510	4,356	4,931	3,231	3,672	2,497	1,142
STARHOME	Star Home Program	5,050	-	2,000	(2,000)	-	3,500	(3,500)	3,000	(3,000)	5,050	-	-	-
VMISERDEA	Vending Miser DEA customers	422	-	-	-	-	-	72	-	-	73	160	117	-
WARFZ	Working Appliance Recycling Freezer	1,393	18	45	28	47	25	20	2	-	450	487	272	-
WARRF	Working Appliance Recycling Refrigerator	7,287	63	73	75	112	138	45	4	-	1,725	2,530	2,418	105
WATERKIT	Residential Energy Saving Water Kits	-	-	-	-	-	-	-	-	-	-	-	-	-
WTRHTR	Water Heaters	98,485	1,196	5,973	11,293	8,442	5,785	7,797	3,837	3,108	12,762	13,252	14,509	10,531
	Depreciation Expense DSM-Distrib	68,865	5,553	5,553	5,553	5,801	5,801	5,801	5,801	5,801	5,801	5,801	5,801	5,801
	Depreciation Expense DSM-General	2,106	176	176	176	176	176	176	176	176	176	176	176	176
Total		2,795,562	185,115	185,230	323,643	156,555	222,439	252,293	242,592	173,266	345,331	294,554	232,887	181,656

Notes:

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-15	157,840,198	0.0014	220,976	0.0000	0
Feb-15	149,076,590	0.0014	208,707	0.0000	0
Mar-15	143,684,638	0.0014	201,158	0.0000	0
Apr-15	131,464,768	0.0014	184,051	0.0000	0
May-15	129,617,085	0.0014	181,464	0.0000	0
Jun-15	144,487,630	0.0014	202,283	0.0000	0
Jul-15	170,713,493	0.0014	238,999	0.0000	0
Aug-15	185,881,575	0.0014	260,234	0.0000	0
Sep-15	173,002,813	0.0014	242,204	0.0000	0
Oct-15	144,808,238	0.0014	202,732	0.0000	0
Nov-15	127,908,747	0.0014	179,072	0.0000	0
Dec-15	138,137,584	0.0012	165,765	0.0000	0
	1,796,623,359		2,487,645		0
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

Dakota Electric Association
Energy Conservation Spending
Year Ended December 31, 2016

Program Name	2016 DEA+GRE Spending
Residential	
Air Conditioning Tune-Up	11,815
Air Source Heat Pump (ASHP) Residential	43,413
CFL Rebate	1,619
LED - Lights	165,302
LED - Holiday Lights	10,523
Energy Star Central Air Conditioner Rebate	383,791
Energy Star Freezer	3,778
Refrigerator with Recycling	44,522
Working Appliance Recycling Freezer	4,168
Working Appliance Recycling Refrigerator	16,287
Residential Ground Source Heat Pump (GSHP)	33,298
Interruptible Air Conditioning - Residential	217,754
Off-Peak Water Heating-ETS & PSWH	113,185
Off-Peak Space Heating-Dual Fuel	25,213
Low-Income Air Conditioner Tune-Up	2,323
Low Income Refrigerator Replacements	22,130
Low Income Clothes Washer	14,185
Low Income Dehumidifier Units	167
Low Income Dishwashers	7,378
Low Income Microwave Ovens	1,425
Low Income Room Air Conditioning	277
Low Income Freezer	5,480
Energy Intelligent Lifestyle - Energy Education	123,025
Energy Efficiency Training & Education	19,266
Electron-Commutated Motor	116,485
Electrical Evaluation & Consultation	39,568
Energy Star Partner	2,421
Low Income Audit	5,511
Affordable Housing Project	78,198
Energy Wise New Home Construction	12,500
Residential Subtotal	1,538,507
Commercial	
Commercial Ground Source Heat Pump (GSHP)	416
C&I-A Energy Grant Program	1,773,785
C&I Electrical Eval & Consultation	9,425
Vending Miser	422
Interruptible Air Conditioning - C&I	5,886
Commercial Subtotal	1,789,933

Total Energy Conservation Spending **\$ 3,328,440**

Statutory Spending Requirement* **\$ 2,888,279**

Percent of Requirement Devoted to Energy Conservation** **115%**

*Statutory Spending Requirement equals 1.5% of 2015 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 12th day of January, 2017

/s/ Corey Hintz