



UTILITIES CO.
A Division of MDU Resources Group, Inc.

400 North Fourth Street
Bismarck, ND 58501
(701) 222-7900

July 14, 2017

Executive Secretary
North Dakota Public Service Commission
State Capitol
Bismarck, ND 58505-0480

Re: Case No. PU-16-666
Electric Rate Increase
Compliance Tariffs – Revised

Montana-Dakota Utilities Co. (Montana-Dakota), a Division of MDU Resources Group, Inc., herewith submits an original and seven copies of the following revised electric service tariff sheets to be substituted for those same sheets submitted in the Compliance Filing electronically submitted on June 26, 2017 in the above referenced case:

- 4th Revised Sheet No. 41 – Environmental Cost Recovery Rider Rate 57
- 6th Revised Sheet No. 42 – Fuel & Purchased Power Adjustment Rate 58
- 5th Revised Sheet No. 42.1 – Fuel & Purchased Power Adjustment Rate 58
- 6^{3rd} Revised Sheet No. 42.2 – Fuel & Purchased Power Adjustment Rate 58
- Remove 1st Revised Sheet No. 42 – Transmission Cost Adjustment Rate 59

Pursuant to discussions with Advocacy Staff regarding the Compliance Filing submitted on June 26, 2017 in this case, the Company has made the following changes: 1) removed the Environmental true-up adjustment of \$0.00072 per Kwh from the Fuel and Purchased Power Adjustment and added the recovery amount by class to the Environmental Cost Recovery Rate 57, 2) reinstated the existing language regarding the rate of return in both the Environmental Rider and Transmission Rider eliminating the need to file page 1 of the Rate 59 rate schedule (Original Sheet No. 42 will remain in effect) and 3) revised language in the Fuel and Purchased Power Adjustment to fully eliminate references to a change between the current cost and the base cost of fuel.

Also attached is Exhibit B, Revised Page 1 reflecting the removal of the Environmental Cost Recovery deferred amount from the Fuel and Purchased Power example provided in Exhibit B of the June 26 Compliance filing, Revised Exhibit C reflecting historic Fuel & Purchased Power cost adjustments in addition to the current month to be presented on the Company's website and Exhibit D Revised Pages 6 through 8 reflecting the

allocation of the annual Environmental Rider deferred balance to the rate classes.

Montana-Dakota will resubmit all tariff sheets, upon Commission approval, to reflect the effective date of the tariffs.

Please contact me at 701.222.7856 or tamie.aberle@mdu.com if you have any questions regarding the enclosed revised compliance tariffs.

Please acknowledge receipt by stamping or initialing the duplicate copy of this letter attached hereto.

Sincerely,



Tamie A. Aberle
Director of Regulatory Affairs

Cc: Service List



Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4
4th Revised Sheet No. 41
Canceling 3rd Revised Sheet No. 41

Environmental Cost Recovery Rider Rate 57

Page 1 of 1

1. **Applicability:**

This rate schedule represents an Environmental Cost Recovery Rider (ECRR) and specifies the procedure to be utilized to recover the jurisdictional costs to be incurred by the Company in complying with federal and state environmental mandates determined to be eligible for recovery under NDCC 49-05-04.2. Costs to be recovered may include capital expenditures, depreciation, taxes, and a current return on the project costs during construction. Costs being recovered under this tariff are currently not included in the rates established at the time of the Company's last general rate case.

2. **Environmental Cost Recovery Rider:**

- a. An adjustment per Kwh will be calculated using the projected capital costs and related expenses, along with the forecasted Kwh sales, to determine a North Dakota jurisdictional revenue requirement to be recovered through the ECRR. The return component of the revenue requirement calculation will be the authorized rate of return from the Company's most recent general rate case.
- b. The ECRR is applicable to all retail customers for electric energy sold, except those served under special contracts, and are allocated amongst the rate classes based on the Company's Demand Factor No. 2 established in the Company's most recent general rate case.
- c. The ECRR will be adjusted annually (or other period authorized by the Commission) to reflect the Company's most recent projected capital costs and related expenses for projects determined to be eligible under NDCC 49-05-04.2.
- d. A true-up will reflect any over or under collection of revenue under the ECRR based on actual expenditures from the preceding twelve month recovery period plus carrying charges or credits accrued at a rate equal to the three-month Treasury Bill rate as published monthly by the Federal Reserve Board.

3. **Environmental Cost Recovery Rider:**

Residential and Small General	0.084¢ per Kwh
Large General	0.071¢ per Kwh
Lighting	0.032¢ per Kwh

Date Filed: July 14, 2017

Effective Date: Service rendered on and after July 10, 2017

Issued By: Tamie A. Aberle
Director - Regulatory Affairs

Case No.: PU-16-666



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400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4
6th Revised Sheet No. 42
Canceling 5th Revised Sheet No. 42

FUEL AND PURCHASED POWER ADJUSTMENT Rate 58

Page 1 of 3

1. **Applicability:**

This rate schedule sets forth the procedure to be used in calculating the Fuel and Purchased Power Adjustment (FPPA). It specifies the procedure to be utilized to adjust the rates for electricity sold under Montana-Dakota's rate schedules in order to reflect: (a) changes in Montana-Dakota's average cost of fuel and purchased power as allocated to North Dakota; and (b) amortization of the Deferred Fuel Cost Account.

2. **Effective Date and Limitation on Adjustments:**

- a. Unless otherwise ordered by the Commission, the effective dates of the Fuel and Purchased Power Adjustment shall be service rendered on and after the first day of each month. The effective date of the adjustment for amortization of the Deferred Fuel Cost Account shall be April 1 of each year.
- b. Montana-Dakota shall file an adjustment to reflect changes in its average cost of electric supply only when the amount of change in such adjustment is at least .001 cents per Kwh. The adjustment to be effective April 1 shall be filed each year, regardless of the amount of the change.

3. **Fuel and Purchased Power Adjustment:**

- a. The monthly Fuel and Purchased Power Adjustment shall be calculated separately for primary service and secondary service customers and shall reflect Montana-Dakota's cost of fuel and purchased power plus the annual Surcharge Adjustment.
- b. The cost of fuel and purchased power shall be calculated separately for primary service customers and secondary service customers, and shall be the sum of the following costs for the most recent four month period, as allocated to North Dakota and to the primary and secondary customer classes:
 1. The cost of fossil and other fuels and reagents, including sand, recorded in Account Nos. 501, 502 and 547.

Date Filed: July 14, 2017

Effective Date: Service rendered on and after July 10, 2017

Issued By: Tamie A. Aberle
Director- Regulatory Affairs

Case No.: PU-16-666



Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4

5th Revised Sheet No. 42.1

Canceling 4th Revised Sheet No. 42.1

FUEL AND PURCHASED POWER ADJUSTMENT Rate 58

Page 2 of 3

2. Natural gas and pipeline reservation charges recorded in Account No. 547
 3. The net cost of purchases and costs linked to the utility's load serving obligation associated with participation in the wholesale electric energy markets as recorded in Account No. 555
 4. Capacity purchases as recorded in Account No. 555.
 5. Regional Market Administration expenses recorded in Account No. 575.
 6. Less 100 percent of the wholesale sales revenue.
 7. Less the revenue from the sales of Renewable Energy Credits (RECs).
- c. The cost per Kwh for the month is the sum of 3(b) above divided by retail sales volumes for the most recent four month period for the primary and secondary service classes.

4. Surcharge Adjustment:

All sales rate schedules shall be subject to a Surcharge Adjustment to be effective on April 1 each year. The Surcharge Adjustment per Kwh sold shall reflect the amortization of the applicable balance in the Deferred Fuel Cost Account calculated by dividing the applicable balance by the estimated Kwh sales for the twelve months following the effective date of the adjustment.

- a. The balance in the Deferred Fuel Cost Account (Account 182.3) includes:
 1. The current month over or under recovery, determined as follows:
 - i. Montana-Dakota shall determine each month the cost for that month's fuel and purchased power.
 - ii. Montana-Dakota shall subtract from the month's cost determined in 4.a.1.i the revenue collected under the Fuel and Purchased Power Adjustment for that month.

Date Filed: July 14, 2017

Effective Date: Service rendered on and after July 10, 2017

Issued By: Tamie A. Aberle
Director- Regulatory Affairs

Case No.: PU-16-666



Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4

63rd Revised Sheet No. 42.2

Canceling 62nd Revised Sheet No. 42.2

FUEL AND PURCHASED POWER ADJUSTMENT Rate 58

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- iii. The resulting difference (positive or negative) shall be included separately for primary and secondary service classes.
 2. Refunds from supplier(s) and market operators with respect to fuel and purchased power costs.
 3. Carrying charges or credits at a rate equal to the three-month Treasury Bill rate as published monthly by the Federal Reserve Board.
- 5. Manner of Filing:**
The Company shall file a monthly statement showing the calculation of the Fuel and Purchased Power Adjustment with the Commission prior to implementing the monthly adjustment. The adjustment in rates shall be effective with service rendered on and after the first day of each month, unless the Commission shall otherwise order.
- 6. Fuel and Purchased Power Adjustment:**
The current and historical Fuel and Purchased Power Adjustment for primary and secondary service customers can be found at www.montana-dakota.com/rates-and-services.

Date Filed: July 14, 2017

Effective Date: Service rendered on and after July 10, 2017

Issued By: Tamie A. Aberle
Director- Regulatory Affairs

Case No.: PU-16-666

Tariffs Reflecting Proposed Changes



Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4
3rd Revised Sheet No. 41
Canceling 2nd Revised Sheet No. 41

Environmental Cost Recovery Rider Rate 57

Page 1 of 2

1. **Applicability:**

This rate schedule represents an Environmental Cost Recovery Rider (ECRR) and specifies the procedure to be utilized to recover the jurisdictional costs to be incurred by the Company in complying with federal and state environmental mandates determined to be eligible for recovery under NDCC 49-05-04.2. Costs to be recovered may include capital expenditures, depreciation, taxes, and a current return on the project costs during construction. Costs being recovered under this tariff are currently not included in the rates established at the time of the Company's last general rate case.

2. **Environmental Cost Recovery Rider:**

- a. An adjustment per Kwh will be calculated using the projected capital costs and related expenses, along with the forecasted Kwh sales, to determine a North Dakota jurisdictional revenue requirement to be recovered through the ECRR. The return component of the revenue requirement calculation will be the authorized rate of return from the Company's most recent general rate case.
- b. The ECRR is applicable to all retail customers for electric energy sold, except those served under special contracts, and are allocated amongst the rate classes based on the Company's AED-Demand Factor No. 2 established in the Company's most recent general rate case.
- c. The ECRR will be adjusted annually (or other period authorized by the Commission) to reflect the Company's most recent projected capital costs and related expenses for projects determined to be eligible under NDCC 49-05-04.2.
- d. A true-up will reflect any over or under collection of revenue under the ECRR based on actual expenditures from the preceding twelve month recovery period plus carrying charges or credits accrued at a rate equal to the three-month Treasury Bill rate as published monthly by the Federal Reserve Board.

3. **Time and Manner of the Filing:**

~~Montana-Dakota shall file the ECRR at least 30 days prior to the proposed effective date. The filing by Montana-Dakota shall be made by means of a revised ECRR tariff sheet identifying the amounts of the adjustment, the derivation of the ECRR and the resulting ECRR by class.~~

Date Filed: May 31, 2013

Effective Date: Service rendered on and after January 15, 2014

Issued By: Tamie A. Aberle
Director - Regulatory Affairs

Case No.: PU-13-83 & PU-13-85



Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4
4th Revised Sheet No. 41.1
Canceling 3rd Revised Sheet No. 41.1

Environmental Cost Recovery Rider Rate 57

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4.3. Environmental Cost Recovery Rider:

Residential and Small General	0.3960.084 ¢ per Kwh
Large General	0.3230.071 ¢ per Kwh
Lighting	0.2550.032 ¢ per Kwh
	<u>Reserved for Future Use</u>

Date Filed: April 10, 2015

Effective Date: Service rendered on and
after July 1, 2015

Issued By: Tamie A. Aberle
Director - Regulatory Affairs

Case No.: PU-15-143



Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.
400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4
5th Revised Sheet No. 42
Canceling 4th Revised Sheet No. 42

FUEL AND PURCHASED POWER ADJUSTMENT Rate 58

Page 1 of 3

1. Applicability:

This rate schedule sets forth the procedure to be used in calculating the Fuel and Purchased Power Adjustment (FPPA). It specifies the procedure to be utilized to adjust the rates for electricity sold under Montana-Dakota's rate schedules in order to reflect: ~~-(a) changes in Montana-Dakota's average cost of fuel and purchased power, including electric wholesale sales margin credits as allocated to North Dakota; and~~ (b) amortization of the Deferred Fuel Cost Account.

2. Effective Date and Limitation on Adjustments:

- a. Unless otherwise ordered by the Commission, the effective dates of the Fuel and Purchased Power Adjustment shall be service rendered on and after the first day of each month. The effective date of the adjustment for amortization of the Deferred Fuel Cost Account shall be April 1 of each year.
- b. Montana-Dakota shall file an adjustment to reflect changes in its average cost of electric supply only when the amount of change in such adjustment is at least .001 cents per Kwh. The adjustment to be effective April 1 shall be filed each year, regardless of the amount of the change.

3. Fuel and Purchased Power Adjustment:

- a. ~~The monthly Fuel and Purchased Power Adjustment shall be calculated separately for primary service and secondary service customers and shall reflect the changes in Montana-Dakota's cost of fuel and purchased power as compared to the cost of fuel and purchased power approved in its base rates plus the annual Surcharge Adjustment. The base fuel and purchased power cost shall be 2.0242-454¢ per Kwh for primary service and 2.0872-536¢ per Kwh for secondary service as established in the most recent general rate case.~~
- b. The cost of fuel and purchased power shall be calculated separately for primary service customers and secondary service customers, and shall be the sum of the following costs for the most recent four month period, as allocated to North Dakota and to the primary and secondary customer classes:

- 1. The cost of fossil and other fuels and reagents, including sand, recorded in Account Nos. 501, 502 and 547.

Date Filed: July 16, 2012	Effective Date: Service rendered on and after August 1, 2012
Issued By: Tamie A. Aberle Regulatory Affairs Manager	Case No.: PU-12-011



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4th Revised Sheet No. 42.1

Canceling 3rd Revised Sheet No. 42.1

FUEL AND PURCHASED POWER ADJUSTMENT Rate 58

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2. Natural gas and pipeline reservation charges recorded in Account No. 547
 3. The net cost of purchases and costs linked to the utility's load serving obligation associated with participation in the wholesale electric energy markets as recorded in Account No. 555
 4. Capacity purchases as recorded in Account No. 555.
 5. Regional Market Administration expenses recorded in Account No. 575.
 - ~~6. Less the cost of fuel and purchased power recovered from electric wholesale sales.~~
 - ~~7.6. Less 100 percent of the wholesale sales margin revenue.~~
 - ~~8.7. Less the revenue from the sales of Renewable Energy Credits (RECs).~~
- c. The cost per Kwh for the month is the sum of 3(b) above divided by retail sales volumes for the most recent four month period for the primary and secondary service classes.

4. Surcharge Adjustment:

All sales rate schedules shall be subject to a Surcharge Adjustment to be effective on April 1 each year. The Surcharge Adjustment per Kwh sold shall reflect the amortization of the applicable balance in the Deferred Fuel Cost Account calculated by dividing the applicable balance by the estimated Kwh sales for the twelve months following the effective date of the adjustment.

- a. The balance in the Deferred Fuel Cost Account (Account 182.3) includes:
 1. The current month over or under recovery, determined as follows:
 - i. Montana-Dakota shall determine each month the cost for that month's fuel and purchased power.

Date Filed: February 26, 2014

Effective Date: Service rendered on and after August 20, 2014

Issued By: Tamie A. Aberle
Director- Regulatory Affairs

Case No.: PU-14-109



Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4

4th Revised Sheet No. 42.1

Canceling 3rd Revised Sheet No. 42.1

FUEL AND PURCHASED POWER ADJUSTMENT Rate 58

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- ii. Montana-Dakota shall subtract from the month's ~~unit cost~~ ~~the unit cost~~ reflected in rates cost determined in 4.a.1.i the revenue collected under the Fuel and Purchased Power Adjustment for that month.

Date Filed: February 26, 2014

Effective Date: Service rendered on and
after August 20, 2014

Issued By: Tamie A. Aberle
Director- Regulatory Affairs

Case No.: PU-14-109



Montana-Dakota Utilities Co.

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400 N 4th Street
Bismarck, ND 58501

State of North Dakota Electric Rate Schedule

NDPSC Volume 4

62nd Revised Sheet No. 42.2

Canceling 61st Revised Sheet No. 42.2

FUEL AND PURCHASED POWER ADJUSTMENT Rate 58

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iii. ~~The resulting difference (positive or negative) shall be multiplied by the Kwh's sold included separately for primary and secondary service classes that month under each rate schedule.~~

2. Refunds from supplier(s) and market operators with respect to fuel and purchased power costs.

3. Carrying charges or credits at a rate equal to the three-month Treasury Bill rate as published monthly by the Federal Reserve Board.

4. ~~The balance in the Deferred Fuel Cost Account shall be decreased each month by the amount of the Surcharge Adjustment multiplied by the Kwh sales for the month. The amount amortized shall be applied pro-rata between the Deferred Fuel Cost Account and the interest balance.~~

5. Manner of Filing:

The Company shall file a monthly statement showing the calculation of the Fuel and Purchased Power Adjustment with the Commission prior to implementing the monthly adjustment. The adjustment in rates shall be effective with service rendered on and after the first day of each month, unless the Commission shall otherwise order.

6. Fuel and Purchased Power Adjustment:

	<u>Primary</u>	<u>Secondary</u>
Base Fuel	2.0242.454¢	2.0872.536¢
Fuel and Purchased Power Adjustment	—(0.029)0.000	—(0.022)0.000
Total FPPA	—1.9952.454¢	—2.0652.536¢

The current and historical Fuel and Purchased Power Adjustment for primary and secondary service customers can be found at www.montana-dakota.com/rates-and-services.

Date Filed: May 17, 2017

Effective Date: Service rendered on and after June 1, 2017

Issued By: Tamie A. Aberle
Director- Regulatory Affairs

Case No.: PU-17-011

**MONTANA-DAKOTA UTILITIES CO.
 FUEL COST ADJUSTMENT - NORTH DAKOTA
 JULY 2017 BILLING ADJUSTMENT SUMMARY**

	<u>Primary</u>	<u>Secondary</u>
Current Cost of Fuel (Page 2)	\$0.02059	\$0.02147
Prior Cost of Fuel	0.01943	0.02057
Change in Cost of Fuel	<u>\$0.00116</u>	<u>\$0.00090</u>
 <u>Surcharge Adjustment</u>		
Current Adjustment	(\$0.00021)	(\$0.00052)
Prior Adjustment	<u>(0.00021)</u>	<u>(0.00052)</u>
Change in Surcharge Adjustment	\$0.00000	\$0.00000
 Cost of Fuel	 \$0.02059	 \$0.02147
Surcharge Adjustment	<u>(0.00021)</u>	<u>(0.00052)</u>
Total Amount Billed	<u><u>\$0.02038</u></u>	<u><u>\$0.02095</u></u>

Fuel & Purchased Power Adjustment

The Fuel & Purchased Power Adjustment includes the net cost to generate and purchase electricity. This charge changes monthly as the cost of fuel and purchased power fluctuates throughout the year. The table below shows the Fuel & Purchased Power Adjustment charge per kWh for the current and prior months.

Rate Effective Date	Primary Service	Secondary Service
Final Rates Implementation		
July 1, 2017	\$0.01922	\$0.02005
June 1, 2017	\$0.01995	\$0.02065
May 1, 2017	\$0.02050	\$0.02116
April 1, 2017	\$0.02144	\$0.02217
March 1, 2017	\$0.02270	\$0.02367
February 1, 2017	\$0.02261	\$0.02377
January 1, 2017	\$0.02233	\$0.02352
December 1, 2016	\$0.02306	\$0.02424
November 1, 2016	\$0.02168	\$0.02279
October 1, 2016	\$0.02141	\$0.02250
September 1, 2016	\$0.02029	\$0.02141
August 1, 2016	\$0.01714	\$0.01812
July 1, 2016	\$0.01644	\$0.01734
June 1, 2016	\$0.01705	\$0.01783
May 1, 2016	\$0.01855	\$0.01929
April 1, 2016	\$0.02178	\$0.02261
March 1, 2016	\$0.02369	\$0.02490
February 1, 2016	\$0.02368	\$0.02498
January 1, 2016	\$0.02434	\$0.02572

Fuel & Purchased Power Adjustment is Prorated

The usage period on your electric bill typically spans parts of two different calendar months, depending on your billing cycle. The Fuel & Purchased Power Adjustment line item on the bill reflects a prorated charge representing this usage period. The amount charged is based on the number of billed days and the corresponding effective Fuel & Purchased Power Adjustment in place for each calendar month. For example, a customer's bill with a usage period from June 15 to July 15 would be billed 15 days at the June Fuel & Purchased Power Adjustment charge and 15 days at the July Fuel & Purchased Power Adjustment charge.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Allocation of Revenues
Projected 2017**

Rate Class	Bill			Renewable Rider			Transmission Rider			Generation		
	Determinants	Kwh	KW	Allocated Revenues	Rate/ Kwh	Design Revenue	Allocated Revenues	Rate/ Kwh	Design Revenue	Allocated Revenues	Rate/ Kwh 1/	Design Revenue
				\$13,612,097			\$5,509,169			\$4,279,204		
Residential Service												
Rate 10	79,991	770,685,000										
Rate 13	4	127,000										
Rate 16	8	127,000										
Total Residential	80,003	770,939,000		\$5,320,096	\$0.00690	\$5,319,479	\$2,322,126	\$0.00301	\$2,320,526	\$1,803,693	\$0.00234	\$1,803,997
Small General Service												
Rate 20	11,272	111,247,327	0									
Rate 26	240	1,278,673	0									
Subtotal	11,512	112,526,000	0	776,239	0.00690	776,429	338,370	0.00301	338,703	262,826	0.00234	263,311
Rate 25	46	1,267,000	8,085		0.00690	8,742	1,463	0.00301	3,814	1,137	0.00234	2,965
Rate 40	309	4,076,000	9,468		0.00690	28,124	11,313	0.00301	12,269	8,787	0.00234	9,538
Total Small General	11,867	117,869,000	17,553	811,471		813,295	351,146		354,786	272,750		275,814
Large General Service												
Rate 30 Primary	43	195,765,000	468,864	1,265,683	0.00666	1,303,795	438,951	0.00255	499,201	340,952	0.68238	319,944
Rate 30 Secondary	4,587	755,983,226	2,281,944	5,103,447	0.00666	5,034,848	2,047,514	0.00255	1,927,757	1,590,391	0.68238	1,557,153
Rate 31 Primary	1	2,081,000	7,836		0.00666	13,454	4,666	0.00255	5,307	3,624	0.68238	5,347
Rate 31 Secondary	68	17,694,774	96,324		0.00666	119,453	47,925	0.00255	45,122	37,225	0.68238	65,729
Rate 32 Secondary	623	55,941,000	273,550		0.00666	372,567	109,222	0.00255	142,650	84,837	0.31013	84,836
Subtotal	5,322	1,027,465,000	3,128,518	6,858,782		6,842,916	2,648,278		2,620,037	2,057,029		2,033,009
Rate 30 Contract Rates	3	102,241,000	203,896									
Rate 38	3	31,911,000	85,568	201,658	0.00666	212,527	62,420	0.00255	81,373	48,484	0.68238	58,390
Rate 39	1	5,107,000	11,502									
Total Large General	5,329	1,166,724,000	3,429,484	7,060,440	0.00666	7,055,443	2,710,698	0.00255	2,701,410	2,105,513	0.68238	2,091,399
Municipal Lighting												
Rate 41 Primary	49	1,719,000	0	10,107		10,297	1,816		2,011	1,411		1,564
Rate 41 Secondary	512	18,127,000	0	107,078		108,581	18,150		21,209	14,098		16,496
Total Municipal Lighting	561	19,846,000	0	117,185	0.00599	118,878	19,966	0.00117	23,220	15,509	0.00091	18,060
Municipal Pumping												
Rate 48 Primary	4	13,894,000	35,805	90,622		92,534	32,759		35,430	25,445		24,433
Rate 48 Secondary	319	25,168,000	91,118	166,153		167,619	60,576		64,178	47,052		62,177
Total Municipal Pumping	323	39,062,000	126,924	256,775	0.00666	260,153	93,335	0.00255	99,608	72,497	0.68238	86,610
Outdoor Lighting Service												
Rate 52 Primary	2	13,000	0			78			15			12
Rate 52 Secondary	2,602	7,424,000	0			44,470			8,686			6,756
Total Outdoor Lighting	2,604	7,437,000	0	46,130	0.00599	44,548	11,898	0.00117	8,701	9,241	0.00091	6,768
Total North Dakota Electric	100,687	2,121,877,000	3,573,961	\$13,612,097		\$13,611,796	\$5,509,169		\$5,508,251	\$4,279,203		\$4,282,648

1/ Large Gen & Rate 48 per KW

Rider	2016		Variance (Over) / Under	Residential	
	Settlement 1/ Revenue Requirement	Actual Revenue Collected		Current	Total
Transmission	\$9,306,055	\$5,190,921	\$4,115,134	\$0.00301	\$0.00413
Renewable	11,355,200	12,302,727	(947,527)	\$0.00690	0.00642
Generation	9,139,549	7,304,950	1,834,599	\$0.00234	0.00284
Environmental	9,885,223	6,824,952	3,060,271	0	0.00084
Total	\$39,686,027	\$31,623,550	\$8,062,477		

Rate Class	Amortizations							
	Renewable		Transmission		Generation		Environmental	
	Annual Revenue	Rate/Kwh	Annual Revenue	Rate/Kwh	Annual Revenue	Rate/Kwh 1/	Annual Revenue	Rate/Kwh
Residential Service								
Rate 10								
Rate 13								
Rate 16								
Total Residential	(\$370,328)	(\$0.00048)	\$867,269	\$0.00112	\$386,644	\$0.00050	\$644,955	\$0.00084
Small General Service								
Rate 20								
Rate 26								
Subtotal	(54,033)	(0.00048)	126,375	0.00112	56,340	0.00050	93,980	0.00084
Rate 25	(528)	(0.00048)	547	0.00112	244	0.00050	406	0.00084
Rate 40	(1,925)	(0.00048)	4,225	0.00112	1,884	0.00050	3,142	0.00084
Total Small General	(56,486)		131,147		58,468		97,528	
Large General Service								
Rate 30 Primary	(88,103)	(0.00046)	163,940	0.00095	73,087	0.13974	121,916	0.00071
Rate 30 Secondary	(355,247)	(0.00046)	764,707	0.00095	340,920	0.13974	568,684	0.00071
Rate 31 Primary	(937)	(0.00046)	1,743	0.00095	777	0.13974	1,296	0.00071
Rate 31 Secondary	(8,315)	(0.00046)	17,899	0.00095	7,980	0.13974	13,311	0.00071
Rate 32 Secondary	(24,833)	(0.00046)	40,792	0.00095	18,186	0.13974	30,336	0.00071
Subtotal	(477,435)		989,081		440,950		735,543	
Rate 30 Contract Rates								
Rate 38	(14,037)	(0.00046)	23,313	0.00095	10,393	0.13974	17,337	0.00071
Rate 39								
Total Large General	(491,472)	(0.00046)	1,012,394	0.00095	451,343	0.13974	752,880	0.00071
Municipal Lighting								
Rate 41 Primary	(704)		678		302		504	
Rate 41 Secondary	(7,454)		6,779		3,022		5,041	
Total Municipal Lighting	(8,158)	(0.00042)	7,457	0.00044	3,324	0.00019	5,545	0.00032
Municipal Pumping								
Rate 48 Primary	(6,308)		12,235		5,454		9,099	
Rate 48 Secondary	(11,566)		22,624		10,086		16,825	
Total Municipal Pumping	(17,874)	(0.00046)	34,859	0.00095	15,540	0.13974	25,924	0.00071
Outdoor Lighting Service								
Rate 52 Primary	0		0					
Rate 52 Secondary	0		0					
Total Outdoor Lighting	(3,211)	(0.00042)	4,444	0.00044	1,981	0.00019	\$3,305	0.00032
Total North Dakota Electric	<u>-\$947,529</u>		<u>\$2,057,570</u>		<u>\$917,300</u>		<u>\$1,530,137</u>	

1/ Large Gen & Rate 48 per KW

Rate Class	Total Rider Charges				Energy/Demand Factor 3	12 CP Factor 2
	Renewable	Transmission	Environ	Generation		
Residential Service						
Rate 10						
Rate 13						
Rate 16						
Total Residential	\$0.00642	\$0.00413	\$0.00084	\$0.00284	39.083566%	42.150203%
Small General Service						
Rate 20						
Rate 26						
Subtotal	0.00642	0.00413	0.00084	0.00284	5.702570%	6.141944%
Rate 25	0.00642	0.00413	0.00084	0.00284	0.055690%	0.026563%
Rate 40	0.00642	0.00413	0.00084	0.00284	0.203136%	0.205342%
Total Small General						
Large General Service						
Rate 30 Primary	0.00620	0.00350	0.00071	0.82212 1/	9.298220%	7.967649%
Rate 30 Secondary	0.00620	0.00350	0.00071	0.82212 1/	37.491999%	37.165573%
Rate 31 Primary	0.00620	0.00350	0.00071	0.82212 1/	0.098841%	0.084697%
Rate 31 Secondary	0.00620	0.00350	0.00071	0.82212 1/	0.877549%	0.869909%
Rate 32 Secondary	0.00620	0.00350	0.00071	0.44987 1/	2.620796%	1.982544%
Subtotal						
Rate 30 Contract Rates						
Rate 38	0.00620	0.00350	0.00071	0.82212 1/	1.481459%	1.133022%
Rate 39						
Total Large General	0.00620	0.00350	0.00071	0.82212 1/		
Municipal Lighting						
Rate 41 Primary					0.074248%	0.032970%
Rate 41 Secondary					0.786642%	0.329444%
Total Municipal Lighting	0.00557	0.00161	0.00032	0.00110		
Municipal Pumping						
Rate 48 Primary					0.665748%	0.594622%
Rate 48 Secondary					1.220624%	1.099556%
Total Municipal Pumping	0.00620	0.00350	0.00071	0.82212 1/		
Outdoor Lighting Service						
Rate 52 Primary						
Rate 52 Secondary						
Total Outdoor Lighting	0.00557	0.00161	0.00032	0.00110	0.338893%	0.215963%
Total North Dakota Electric					100.000001%	100.000000%

1/ Large Gen & Rate 48 per KW