

November 21, 2016

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

Re: Revised Interim Electric Rates  
Case No. PU-16-666

Montana-Dakota Utilities Co. (Montana-Dakota), a Division of MDU Resources Group, Inc., herewith submits revised interim tariffs to reflect modifications in the interim revenue requirement in Case No. PU-16-666, the Company's Application and Notice of Change in General Electric Rates as submitted to the North Dakota Public Service Commission on October 14, 2016.

Revised Appendices are being submitted to reflect the modifications, outlined below, resulting from Commission Advocacy Staff inquiry into the Company's interim application in regard to the Settlement Agreements in Case No. PU-10-124.

- Customer Deposits as allocated to electric service have been included in the rate base and related interest expense in the cost of service.
- Corrections to amortization of the deferred generation and decommissioning expense are included the cost of service. The unamortized balance was not included as a rate base item.
- Exclusion of sixty percent of the Company's employee incentive compensation expenses.
- Exclusion of fifty percent of the Company's Board of Director's expenses.

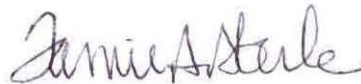
The Settlement Agreements authorized by the Commission in Case No. PU-10-124 stated "Except for the purpose of setting interim rates in the Company's next electric general rate case... the Settlement Agreement does not establish any principle or precedent, nor adopt or recommend any specific type or amount of expense or rate base, for this or any future proceeding". Therefore, the above noted adjustments have been reflected in this revised interim request.

Attached to this Letter of Transmittal are:

- Revised Appendix A: the tariffs reflecting the proposed interim rate of 10.32 percent to be effective with service rendered on and after January 1, 2017. This is the percentage increase in revenues excluding fuel and riders that will be applied to customer bills.
- Revised Appendix B: the proposed revenue requirement reflecting the above noted modifications resulting in an annual interim revenue requirement of \$11,695,592
- Revised Appendix C: a summary of the interim increase by rate class.

Please acknowledge receipt by stamping or initialing the duplicate copy of this letter attached hereto and returning the same in the enclosed self-addressed stamped envelope.

Sincerely,



Tamie A. Aberle  
Director of Regulatory Affairs

Attachments

cc: P. Sanderson  
K. Liepitz  
G. Senger

# **Appendix A**



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
7<sup>th</sup> Revised Sheet No. 3  
Canceling 6<sup>th</sup> Revised Sheet No. 3

### RESIDENTIAL ELECTRIC SERVICE Rate 10

Page 1 of 2

#### Availability:

In all communities served for single-phase residential electric service for domestic purposes only.

#### Rate:

Basic Service Charge: \$0.35 per day

#### Energy Charge:

October – May:

First 750 Kwh per month 5.304¢ per Kwh

Over 750 Kwh per month 2.304¢ per Kwh

June – September: 5.304¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

**Date Filed:** November 21, 2016

**Effective Date:**

**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 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
Original Sheet No. 3.1

### RESIDENTIAL ELECTRIC SERVICE Rate 10

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Page 2 of 2

#### **General Terms and Conditions:**

The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
1<sup>st</sup> Revised Sheet No. 4  
Canceling Original Sheet No. 4

### OPTIONAL RESIDENTIAL ELECTRIC THERMAL ENERGY STORAGE SERVICE Rate 13

Page 1 of 2

#### Availability:

In all communities served for single-phase residential electric for customers operating Company approved thermal energy storage facilities for the purpose of utilizing off-peak electric energy for space conditioning purposes where electric space heating is the primary heating source. Service under this rate is not available when another energy source provided by the Company is utilized as a back-up heating source.

#### Rate:

Basic Service Charge: \$0.45 per day

#### Off-Peak Energy Charge:

For all energy used during the designated hours of 10:00 p.m. to 8:00 a.m. local time.

October – May: 0.804¢ per Kwh

#### On-Peak Energy Charge:

For all energy not covered by the Off-Peak rating period.

October – May:

First 750 Kwh per month 5.304¢ per Kwh

Over 750 Kwh per month 2.304¢ per Kwh

June – September: 5.304¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
9<sup>th</sup> Revised Sheet No. 7  
Canceling 8<sup>th</sup> Revised Sheet No. 7

### OPTIONAL TIME-OF-DAY RESIDENTIAL ELECTRIC SERVICE Rate 16

Page 1 of 2

#### Availability:

In all communities served for single-phase residential electric service. The customer's wiring must be so arranged that all service can be measured through one meter.

#### Rate:

Basic Service Charge: \$0.45 per day

#### On-Peak Energy:

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May 7.398¢ per Kwh

June – September 10.398¢ per Kwh

#### Off-Peak Energy:

For all energy not covered by the On-Peak rating period. 2.304¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 7.1  
Canceling 2<sup>nd</sup> Revised Sheet No. 7.1

### OPTIONAL TIME-OF-DAY RESIDENTIAL ELECTRIC SERVICE Rate 16

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Page 2 of 2

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### Contract Terms:

Customer agrees to contract for service under the Optional Time-of-Day Residential Electric Service rate for a minimum period of one year. At the end of a one-year period, customer shall have the option of remaining under the Optional Time-of-Day Residential Electric Service rate or returning to the regular Residential Electric Service rate.

#### General Terms and Conditions:

The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
7<sup>th</sup> Revised Sheet No. 10  
Canceling 6<sup>th</sup> Revised Sheet No. 10

### SMALL GENERAL ELECTRIC SERVICE Rate 20

Page 1 of 2

#### Availability:

In all communities served for all types of general electric service with billing demands that do not warrant the installation of a demand meter except outside lighting, standby, resale or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be so arranged so that all service can be measured through one meter. If the customer does not connect his wiring into a single system, each meter shall constitute a separate billing unit.

#### Rate:

Basic Service Charge: \$0.70 per day

#### Energy Charge:

October – May:

First 750 Kwh per month 6.147¢ per Kwh

Over 750 Kwh per month 2.304¢ per Kwh

June – September: 6.147¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 10.1  
Canceling 1<sup>st</sup> Revised Sheet No. 10.1

### **SMALL GENERAL ELECTRIC SERVICE Rate 20**

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Page 2 of 2

#### **Adjustment Clauses:**

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### **General Terms and Conditions:**

1. Customers or their architects, contractors and electricians should consult with the Company before proceeding to design or erect installations in which there will be a substantial electric load, to make sure their equipment will meet requirements and receive adequate service.
2. Customer may take service under this rate provided customer's monthly Kwh will not exceed 4,000 Kwh per month for four consecutive months or connected load will not exceed 20 Kw.
3. Non-metered services. At the Company's discretion, the installation of a meter on a customer's service may not be warranted. In the absence of measuring a customer's use, customers will be billed a predetermined energy use amount each month based on the operating characteristics of the equipment being served, such as Wi-Fi equipment served on Company-owned poles.
4. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 14  
Canceling 2<sup>nd</sup> Revised Sheet No. 14

### IRRIGATION POWER SERVICE Rate 25

Page 1 of 2

#### Availability:

For irrigation power service.

#### Rate:

Basic Service Charge: \$0.65 per day

#### Demand Charge:

October – May \$1.25 per Kw

June – September \$2.75 per Kw

Energy Charge: 1.209¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge  
and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill.  
Past due bills are subject to a late payment charge in accordance with the  
provisions of Rate 100 or any amendments or alterations thereto.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate  
equipment so that at all times it can operate its facilities to maintain a power  
factor between 90% lagging and 90% leading. If the customer operates outside  
this range, the maximum 15 minute integrated reactive kilovolt amperes in  
excess of 50% of the maximum 15 minute integrated kilowatt demand for the  
same month will be billed at \$3.35 per Kvar of such excess demand.

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A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

6<sup>th</sup> Revised Sheet No. 14.1

Canceling 5<sup>th</sup> Revised Sheet No. 14.1

### IRRIGATION POWER SERVICE Rate 25

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Page 2 of 2

#### **Determination of Billing Demand:**

The demand in kilowatts for billing purposes shall be the maximum 15 minute measured demand in the current month. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

#### **Adjustment Clauses:**

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### **General Terms and Conditions:**

The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
9<sup>th</sup> Revised Sheet No. 15  
Canceling 8<sup>th</sup> Revised Sheet No. 15

### OPTIONAL TIME-OF-DAY SMALL GENERAL ELECTRIC SERVICE Rate 26

Page 1 of 2

#### Availability:

In all communities served for all types of general electric service with billing demands that do not warrant the installation of a demand meter except outside lighting, standby, resale, or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be arranged so that all service can be measured through one meter.

#### Rate:

Basic Service Charge: \$0.80 per day

#### On-Peak Energy:

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May 7.385¢ per Kwh  
June – September 11.385¢ per Kwh

#### Off-Peak Energy:

For all energy not covered by the On-Peak rating period. 2.304¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

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Case No.: PU-16-666



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

3<sup>rd</sup> Revised Sheet No. 15.1

Canceling 2<sup>nd</sup> Revised Sheet No. 15.1

### OPTIONAL TIME-OF-DAY SMALL GENERAL ELECTRIC SERVICE Rate 26

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Page 2 of 2

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### Contract Terms:

Customer agrees to contract for service under the Optional Time-of-Day Small General Electric Service rate for a minimum period of one year. At the end of a one-year period, customer shall have the option of remaining under the Optional Time-of-Day Small General Electric Service rate or returning to the regular Small General Electric Service rate.

#### General Terms and Conditions:

1. Customers and their architects, contractors and electricians should consult with the Company before proceeding to design or erect installations in which there will be a substantial electric load, to make sure their equipment will meet requirements and receive adequate service.
2. Customer may take service under this rate provided customer's monthly Kwh will not exceed 4,000 Kwh per month for four consecutive months or connected load will not exceed 20 Kw.
3. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 18  
Canceling 2<sup>nd</sup> Revised Sheet No. 18

### GENERAL ELECTRIC SERVICE Rate 30

Page 1 of 3

#### Availability:

In all communities served for all types of demand metered general electric service except outside lighting, standby, resale or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be arranged so that all service can be measured through one meter. If the customer does not connect his wiring into a single system, each meter shall constitute a separate billing unit.

#### Rate:

##### Primary Service:

Basic Service Charge: \$95.00 per month

##### Demand Charge:

October – May \$6.25 per Kw

June – September \$9.25 per Kw

Energy Charge: 2.296¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Basic Service Charge: \$45.00 per month

##### Demand Charge:

October – May \$ 8.25 per Kw

June – September \$11.25 per Kw

Energy Charge: 2.376¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

6<sup>th</sup> Revised Sheet No. 18.1

Canceling 5<sup>th</sup> Revised Sheet No. 18.1

### GENERAL ELECTRIC SERVICE Rate 30

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Page 2 of 3

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Determination of Billing Demand:

The demand in kilowatts for billing purposes shall be the maximum 15 minute measured demand in the current month. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. Customers or their architects, contractors and electricians should consult with the Company before proceeding to design or erect installations in which there will be a substantial electric load, to make sure their equipment will meet requirements and receive adequate service.

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# Montana-Dakota Utilities Co.

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
Original Sheet No. 18.2

### GENERAL ELECTRIC SERVICE Rate 30

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Page 3 of 3

2. Primary service rate is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company so customer can receive service and be metered at primary voltages of 2,400 volts or greater.
3. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
5<sup>th</sup> Revised Sheet No. 19  
Canceling 4<sup>th</sup> Revised Sheet No. 19

### OPTIONAL TIME-OF-DAY GENERAL ELECTRIC SERVICE Rate 31

Page 1 of 3

#### Availability:

In all communities served for all types of demand metered general electric service except outside lighting, standby, resale, or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be arranged so that all service can be measured through one meter.

#### Rate:

##### Primary Service:

Basic Service Charge: \$97.00 per month

##### On-Peak Demand:

October - May \$ 7.50 per Kw

June - September \$10.50 per Kw

##### On-Peak Energy:

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May 2.793¢ per Kwh

June – September 3.793¢ per Kwh

##### Off-Peak Energy:

For all energy not covered by the On-Peak rating period. 0.793¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Basic Service Charge: \$47.00 per month

##### On-Peak Demand:

October – May \$ 9.50 per Kw

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Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
9<sup>th</sup> Revised Sheet No. 19.1  
Canceling 8<sup>th</sup> Revised Sheet No. 19.1

### OPTIONAL TIME-OF-DAY GENERAL ELECTRIC SERVICE Rate 31

Page 2 of 3

June – September                      \$13.50 per Kw

**On-Peak Energy:**

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May                      2.793¢ per Kwh

June – September                3.793¢ per Kwh

**Off-Peak Energy:**

For all energy not covered by the On-Peak rating period.    0.793¢ per Kwh

Base Fuel and Purchased Power:    2.087¢ per Kwh

**Interim Rate Increase:**

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

**Minimum Bill:**

Basic Service Charge.

**Payment:**

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

**Adjustment Clauses:**

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
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3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4

3<sup>rd</sup> Revised Sheet No. 19.2

Canceling 2<sup>nd</sup> Revised Sheet No. 19.2

### OPTIONAL TIME-OF-DAY GENERAL ELECTRIC SERVICE Rate 31

Page 3 of 3

#### Determination of On-Peak Billing Demand:

The demand in kilowatts for billing purposes shall be the maximum 15 minute measured demand for the on-peak period in the current month. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

#### Contract Terms:

Customer agrees to contract for service under the Optional Time-of-Day General Electric Service rate for a minimum period of one year. At the end of a one-year period, customer shall have the option of remaining under the Optional Time-of-Day General Electric Service rate or returning to the regular General Electric Service rate.

#### General Terms and Conditions:

1. Customers and their architects, contractors and electricians should consult with the Company before proceeding to design or erect installations in which there will be a substantial electric load, to make sure their equipment will meet requirements and receive adequate service.
2. Primary service rate is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company so customer can receive service and be metered at primary voltages of 2,400 volts or greater.
3. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

**Date Filed:** November 21, 2016

**Effective Date:**

**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 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
4<sup>th</sup> Revised Sheet No. 20  
Canceling 3<sup>rd</sup> Revised Sheet No. 20

### GENERAL ELECTRIC SPACE HEATING SERVICE Rate 32

Page 1 of 3

#### Availability:

In all communities served for space heating service, where the customer also takes service under another general service rate schedule offered by the Company. Space heating equipment, including combination space heating and cooling equipment such as heat pumps and packaged roof-top heating/cooling units where heating use is the principal load may be served under this rate schedule.

#### Rate:

Basic Service Charge: \$15.00 per month

#### Primary Service:

Demand Charge:  
June – September \$9.25 per Kw

Energy Charge: 2.796¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

Interim Rate Increase:  
10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Secondary Service:

Demand Charge:  
June – September \$11.25 per Kw

Energy Charge: 2.876¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

Interim Rate Increase:  
10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
8<sup>th</sup> Revised Sheet No. 20.1  
Canceling 7<sup>th</sup> Revised Sheet No. 20.1

### GENERAL ELECTRIC SPACE HEATING SERVICE Rate 32

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#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Determination of Billing Demand:

The demand in kilowatts for billing purposes shall be the maximum 15 minute measured demand in the current month. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. Customers or their architects, contractors and electricians should consult with the Company before proceeding to design or erect installations in which there

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# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
1<sup>st</sup> Revised Sheet No. 20.2  
Canceling Original Sheet No. 20.2

### **GENERAL ELECTRIC SPACE HEATING SERVICE Rate 32**

Page 3 of 3

will be a substantial electric load, to make sure their equipment will meet requirements and receive adequate service.

2. Primary service rate is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company so customer can receive service and be metered at primary voltages of 2,400 volts or greater.
3. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 22  
Canceling 1<sup>st</sup> Revised Sheet No. 22

### FIRM SERVICE ECONOMIC DEVELOPMENT Rate 34

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Page 1 of 3

#### Availability:

In all communities served for all types of general electric service which meets one of the following qualifications:

1. New Customers - An applicant with total expected demand of 200 Kw per month and usage of 750,000 Kwh per year is eligible for service under this rate if it can meet any one of the following requirements: (i) its activities are largely or entirely different than that of the previous customer; (ii) that non-seasonal business has not been conducted at the premise for at least three billing periods prior to the application; (iii) that seasonal business has not been conducted at the premise for at least thirteen billing periods prior to the application; or (iv) the facility is newly constructed.
2. Existing Customers and Existing In-state Customers of Competing Suppliers - An existing customer, or an existing in-state customer of a competing supplier with increased demand of 200 Kw per month and increased usage of 750,000 Kwh per year is eligible for service under this rate. Only the expanded portion of the facility will be eligible for the negotiated rate. In addition, the new load must be supplied from a separately metered circuit with separate metering equipment to be installed at the customer's expense. Average usage at the original facility must be at least as great as that which occurred in the previous 12 month period.

#### Rate:

Basic Service Charge: \$95.00 per month

Demand Charge: To Be Negotiated

Energy Charge: Otherwise applicable energy charge for General Service Rate 30.

Interim Rate Increase:  
10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

Contracts shall be filed with and approved by the North Dakota Public Service Commission.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

6<sup>th</sup> Revised Sheet No. 22.1

Canceling 5<sup>th</sup> Revised Sheet No. 22.1

### **FIRM SERVICE ECONOMIC DEVELOPMENT Rate 34**

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Page 2 of 3

#### **Minimum Bill:**

Basic Service Charge plus Demand Charge.

#### **Payment:**

Bills will be considered past due if not paid by the due date shown on the bill.

Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### **Adjustment Clauses:**

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### **Right to Discontinue Service:**

The Company reserves the right to refuse applicants who have not previously signed a contract for service under this rate if it determines either system capacity or system energy supply is projected to be insufficient, or if service reliability is expected to be at jeopardy.

#### **Determination of Billing Demand:**

The demand in kilowatts for billing purposes shall be the greater of the maximum 15 minute measured demand in the current month or 200 Kw. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

#### **Power Factor Clause:**

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 23  
Canceling 2<sup>nd</sup> Revised Sheet No. 23

### INTERRUPTIBLE LARGE POWER DEMAND RESPONSE

#### Rate 38

Page 1 of 4

#### Availability:

In all communities served for power to customers having a demand of 500 Kw or more for its interruptible load available for interruption for up to 100 hours annually. Electric energy for the interruptible load shall be supplied through a separately metered circuit at the same voltage and phase utilized to serve the balance of the customer's electrical load so arranged to allow remote operation by the Company.

#### Type of Service:

Service under this rate shall be taken by the customer at whatever primary voltage is available at the point of delivery but not less than 2,400 volts. In the event that it is necessary to build a substation on the Company's transmission line to serve the customer, the cost of building the substation shall be a matter of negotiation between the Company and the customer.

#### Rate:

Basic Service Charge: Specified in the electric service agreement with the Company.

#### Demand Charge:

October – May \$3.25 per Kw  
June – September \$6.25 per Kw

Energy Charge: 2.126¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge plus the Demand Charge (500 Kw minimum).

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Case No.: PU-16-666



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

6<sup>th</sup> Revised Sheet No. 23.1

Canceling 5<sup>th</sup> Revised Sheet No. 23.1

### INTERRUPTIBLE LARGE POWER DEMAND RESPONSE

#### Rate 38

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Page 2 of 4

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Determination of Billing Demand:

The demand in kilowatts for billing purposes shall be the greater of the maximum 15 minute measured demand in the current month or 500 Kw. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. The customer shall execute an electric service agreement with the Company which will include, among other provisions, a minimum term of service and monthly Basic Service Charge payments to the Company. The monthly Basic Service Charge payments are determined on a customer by customer basis and shall include, but are not limited to, any additional costs incurred by

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

4<sup>th</sup> Revised Sheet No. 23.2

Canceling 3<sup>rd</sup> Revised Sheet No. 23.2

### INTERRUPTIBLE LARGE POWER DEMAND RESPONSE

#### Rate 38

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Page 3 of 4

Company for facilities, such as substations, electric lines, meters, switching devices, and circuit breakers that are necessary to provide service under this rate.

2. All equipment associated with the interruptible load must be of such voltage and electrical characteristics that it can be separately metered and served from the circuit provided for the interruptible portion of the customer's load. If the equipment to be served is such that this is impossible, the customer must either make special arrangements with the Company or furnish the necessary equipment suitable for connection and metering to the circuit for the interruptible portion of the load.
3. The customer must provide a load-break switch or circuit breaker equipped with electrical trip and close circuits allowing for remote operation of the customer's switch or circuit breaker by the Company. Customer must wire the trip and close circuits into a connection point designated by the Company to allow installation of control equipment by the Company. Customer must provide a continuous 120 volt AC power source at the connection point for operation of the Company's control system.
4. The Company may request the customer to interrupt at any time for up to 100 hours during an annual period starting with the in-service date of the contract between the Company and the customer and annually thereafter. Company shall reimburse customer for customer's fuel when interrupted at a mutually acceptable level and price.
5. Customer will be required to interrupt service within 10 minutes of the Company's signal to interrupt service.
6. The penalty for non-performance when the Company requests the customer to interrupt will be the greater of \$10.00 per Kw applicable to the Kw demand specified in the electric service agreement with the Company or the appropriate allocation of any penalties imposed on the Company by the Midwest Reliability Organization for the period of non-performance. After a second failure to perform, within a 12-month period, the customer shall be liable for the penalty and may be moved to the otherwise applicable rate.

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Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

2<sup>nd</sup> Revised Sheet No. 23.3

Canceling 1<sup>st</sup> Revised Sheet No. 23.3

### **INTERRUPTIBLE LARGE POWER DEMAND RESPONSE**

#### **Rate 38**

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Page 4 of 4

7. The Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
  
8. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 25  
Canceling 2<sup>nd</sup> Revised Sheet No. 25

### SMALL MUNICIPAL ELECTRIC SERVICE Rate 40 (CLOSED)

Page 1 of 3

#### Availability:

For all lighting and power requirements with billing demands of 50 kilowatts or less for public buildings or locations supported by public tax levies, and for which the city is liable for payment, in all municipalities served where the Company is operating under a municipal franchise or permit, and the municipality has a standard contract for operation of a street lighting system and/or a municipal pumping system with the Company.

This rate is restricted to small municipal electric service customers who were served under this rate prior to January 27, 1987. Any new small municipal general electric service customer may take service under another applicable rate.

#### Rate:

##### Non-Demand:

Basic Service Charge: \$0.65 per day

##### Energy Charge:

October – May:

First 750 Kwh per month 3.868¢ per Kwh

Over 750 Kwh per month 2.802¢ per Kwh

June – September: 3.868¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Demand:

Basic Service Charge: \$0.75 per day

##### Demand Charge:

October – May:

10 Kw or less No Charge

Over 10 Kw \$6.25 per Kw

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
7<sup>th</sup> Revised Sheet No. 25.1  
Canceling 6<sup>th</sup> Revised Sheet No. 25.1

### SMALL MUNICIPAL ELECTRIC SERVICE Rate 40 (CLOSED)

Page 2 of 3

June – September:	\$8.25 per Kw
Energy Charge:	1.302¢ per Kwh
Base Fuel and Purchased Power:	2.087¢ per Kwh
Interim Rate Increase:	10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Determination of Billing Demand:

The demand in kilowatts for billing purposes shall be the maximum 15 minute measured demand in the current month. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
4<sup>th</sup> Revised Sheet No. 25.2  
Canceling 3<sup>rd</sup> Revised Sheet No. 25.2

### SMALL MUNICIPAL ELECTRIC SERVICE Rate 40 (CLOSED)

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Page 3 of 3

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. Customers or their architects, contractors and electricians should consult with the Company before proceeding to design or erect installations in which there will be a substantial electric load, to make sure their equipment will meet requirements and receive adequate service.
2. Customer may take service under the non-demand rate provided customer's monthly Kwh will not exceed 4,000 Kwh per month for four consecutive months or connected load will not exceed 20 Kw.
3. Customers not qualifying for the non-demand rate shall be served under the demand rate.
4. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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Director - Regulatory Affairs

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 26  
Canceling 5<sup>th</sup> Revised Sheet No. 26

### MUNICIPAL LIGHTING SERVICE Rate 41

Page 1 of 2

#### Availability:

For municipal lighting purposes including streets, alleys and other public grounds. Service will be provided all night, every night in the year with a minimum service requirement of 4,000 hours annually, and must be covered by written contract.

#### Rate:

##### Primary Service:

Energy Charge: 5.008¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Energy Charge: 5.508¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

Discount: For contracts of ten years or more 10%

Kwh shall be computed according to the total rated capacity of lamps in use.

#### Minimum Bill:

As provided in contract.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

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# Montana-Dakota Utilities Co.

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

3<sup>rd</sup> Revised Sheet No. 26.1

Canceling 2<sup>nd</sup> Revised Sheet No. 26.1

### MUNICIPAL LIGHTING SERVICE Rate 41

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Page 2 of 2

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Environmental Cost Recovery Rider Rate 57
3. Fuel and Purchased Power Adjustment Rate 58
4. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. The Company will maintain the facilities and change the light bulbs when notified by the municipality that they are burned out except when the facilities are damaged or destroyed by vandalism, malicious mischief by third parties, or willful negligence on the part of employees of the municipality. In case of vandalism, malicious mischief, or willful negligence the Company will charge the municipality for the cost of repair and replacement.
2. Primary service rate is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company so customer can receive service and be metered at primary voltages of 2,400 volts or greater.
3. In municipally-owned street lighting systems, an additional charge will be made to cover lamp replacements, materials and labor whenever such services are supplied by the Company.
4. When service is not metered, the bill shall be computed on an annual basis, utilizing the minimum service requirement of 4,000 hours annually, and one-twelfth shall be payable each month.
5. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 32  
Canceling 2<sup>nd</sup> Revised Sheet No. 32

### MUNICIPAL PUMPING SERVICE Rate 48

Page 1 of 3

#### Availability:

For municipal pumping purposes provided the municipality uses electricity exclusively for all its pumping requirements and purchases all such electricity from the Company. The municipality must sign a contract for a minimum period of one year.

#### Rate:

##### Primary Service:

Basic Service Charge: \$12.00 per month

##### Demand Charge:

Connected loads of 10 Kw or less will be billed based on connected load. Connected loads in excess of 10 Kw will be billed based upon the greater of the highest 15 minute interval demand as registered upon a demand meter in the current month or 10 Kw.

October – May: \$3.00 per Kw

June – September: \$5.50 per Kw

Energy Charge: 2.061¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Basic Service Charge: \$10.00 per month

##### Demand Charge:

Connected loads of 10 Kw or less will be billed based on connected load. Connected loads in excess of 10 Kw will be billed based upon the greater of the highest 15 minute interval demand as registered upon a demand meter in the current month or 10 Kw.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4

7<sup>th</sup> Revised Sheet No. 32.1

Canceling 6<sup>th</sup> Revised Sheet No. 32.1

### MUNICIPAL PUMPING SERVICE Rate 48

Page 2 of 3

October – May: \$5.00 per Kw

June – September: \$7.00 per Kw

Energy Charge: 2.166¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

Discount: For contracts of ten years or more 10%

#### Minimum Bill:

Basic Service Charge plus Demand Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
1<sup>st</sup> Revised Sheet No. 32.2  
Canceling Original Sheet No. 32.2

### MUNICIPAL PUMPING SERVICE Rate 48

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Page 3 of 3

#### General Terms and Conditions:

1. Primary service rate is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company so customer can receive service and be metered at primary voltages of 2,400 volts or greater.
2. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
7<sup>th</sup> Revised Sheet No. 36  
Canceling 6<sup>th</sup> Revised Sheet No. 36

### OUTDOOR LIGHTING SERVICE Rate 52

Page 1 of 3

#### Availability:

For all outdoor lighting including flood lights, billboard lighting, metallic vapor yard lights, and Christmas lights in all communities served. Lighting equipment may be Company-owned or customer-owned.

#### Rate:

##### Primary Service:

Energy Charge: 6.288¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Energy Charge: 6.694¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

Discount: For contracts of ten years or more 10%

Kwh shall be computed according to the total rated capacity of the units in use.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56

Date Filed: November 21, 2016

Effective Date:

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 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4

2<sup>nd</sup> Revised Sheet No. 36.1

Canceling 1<sup>st</sup> Revised Sheet No. 36.1

### OUTDOOR LIGHTING SERVICE Rate 52

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Page 2 of 3

3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. Applicable to Company-owned Facilities:
  - a. The Company will install, own and operate the flood light(s), and yard light(s) including a suitable reflector, bracket for mounting and automatic device to control operating hours set to operate from dusk to dawn.
  - b. The light may be mounted on existing poles owned or controlled by the Company. The Company will furnish a 35 foot pole(s) for flood lights and a 30 foot pole(s) for yard light(s) at the customer's request at a separate rental rate if a special setting is required. If the customer chooses, the light may be installed on a pole owned by the customer or other mounting point suitable for installation of the light. The conductors will be extended 100 feet per unit free of charge, but the customer shall pay for the extra cost of extensions of more than 100 feet per unit.
  - c. To the rate stated herein, bulb replacement and ownership costs for the units shall be added. The customer should consult with the Company for such costs.
  - d. The Company will maintain the facilities and change the light bulbs when notified by the customer that they are burned out except when the facilities are damaged or destroyed by vandalism, malicious mischief by third parties, or willful negligence on the part of the customer. In case of vandalism, malicious mischief, or willful negligence, the Company will charge the customer for the cost of repair and replacement.
2. Primary service rate is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company so customer can receive service and be metered at primary voltages of 2,400 volts or greater.

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**Case No.:** PU-16-666



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
Original Sheet No. 36.2

### OUTDOOR LIGHTING SERVICE Rate 52

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Page 3 of 3

3. When service is not metered, the bill shall be computed on an annual basis, utilizing the minimum service requirement of 4,000 hours annually, and one-twelfth shall be payable each month.

Metallic vapor ratings in lumens shall be converted to watts on the basis of the published ratings currently issued by the General Electric Company and the Westinghouse Electric Corporation.

4. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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**Case No.:** PU-16-666



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
16<sup>th</sup> Revised Sheet No. 44  
Canceling 15<sup>th</sup> Revised Sheet No. 44

### OCCASIONAL POWER PURCHASE Rate 95 NON-TIME DIFFERENTIATED

Page 1 of 2

#### Availability:

To any qualifying cogeneration and small power production facilities for the purpose of generating occasional electric energy in parallel with the Company's system. This schedule is applicable to cogeneration and small power production facilities with a design capacity of 100 Kw or less, that are Qualifying Facilities (QF) as defined under 18 CFR, Part 292.

#### Rate:

Metering charge for single phase service: \$0.05 per day  
With instrument transformers: \$0.16 per day

Metering charge for three phase service: \$0.11 per day  
With instrument transformers: \$0.28 per day

Interim Rate Increase:  
10.320% of amount billed under Metering Charge.

Energy delivered to and accepted by Company by a QF shall be paid for by Company in accordance with one of the following two options, elected by the QF:

- Simultaneous Purchase and Sale:  
Energy sales to QF - Service provided to such customers by the Company shall be billed at the appropriate rate, by class of customers (i.e., residential, small and general electric service, etc.) that is currently on file with the Commission.

Energy purchases by Company:

Energy Payment = 2.581¢ per Kwh

- Net Billing:  
Energy generated will be compensated on a net billing basis. The Company will install a meter to measure the energy generated by the QF. The Company will also install a meter to measure the energy consumed by the QF. Metered generation will be subtracted from the metered consumption for the billing period.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
16<sup>th</sup> Revised Sheet No. 45  
Canceling 15<sup>th</sup> Revised Sheet No. 45

### PARALLEL GENERATION PEAKING FACILITY PURCHASE Rate 96 TIME DIFFERENTIATED

Page 1 of 3

#### Availability:

To any qualifying cogeneration and small power production facilities for the purpose of generating electric energy in parallel with the Company's system. This schedule is applicable to cogeneration and small power production facilities with a design capacity of 1000 Kw or less, that operate as a peaking facility (defined below), and are Qualifying Facilities (QF) as defined under 18 CFR, Part 292.

#### Rate:

Metering charge for single phase service: \$ 0.15 per day  
With instrument transformers: \$ 0.26 per day

Metering charge for three phase service: \$ 0.16 per day  
With instrument transformers: \$ 0.33 per day

Interim Rate Increase:  
10.320% of amount billed under Metering Charge.

#### 1. Capacity delivered to the Company:

Levelized payment for term of contract based on Table 1 below.

TABLE 1  
Contract Length (YR.)

	5	10	15	20
\$/Kw-mo	7.619	7.619	7.619	7.619

Total capacity payment per month = Monthly capacity payments for a QF will be made pursuant to the applicable contract length from Table 1 presented above. Such payments shall be based upon the amount of qualifying capacity assigned to an eligible resource under BPM-011-Resource Adequacy of the MISO Tariff.

Capacity payments will be paid in the subsequent billing period.

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# Tariffs Reflecting Proposed Changes



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 3  
Canceling 5<sup>th</sup> Revised Sheet No. 3

### RESIDENTIAL ELECTRIC SERVICE Rate 10

Page 1 of 2

#### Availability:

In all communities served for single-phase residential electric service for domestic purposes only.

#### Rate:

Basic Service Charge:	\$0.35 per day
Energy Charge:	
October – May:	
First 750 Kwh per month	5.304¢ per Kwh
Over 750 Kwh per month	2.304¢ per Kwh
June – September:	5.304¢ per Kwh
Base Fuel and Purchased Power:	2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

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Director - Regulatory Affairs

**Case No.:** PU-15-703



# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

---

NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 3  
Canceling 5<sup>th</sup> Revised Sheet No. 3

### RESIDENTIAL ELECTRIC SERVICE Rate 10

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Page 2 of 2

#### **General Terms and Conditions:**

The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
Original Sheet No. 4

### OPTIONAL RESIDENTIAL ELECTRIC THERMAL ENERGY STORAGE SERVICE Rate 13

Page 1 of 2

#### Availability:

In all communities served for single-phase residential electric for customers operating Company approved thermal energy storage facilities for the purpose of utilizing off-peak electric energy for space conditioning purposes where electric space heating is the primary heating source. Service under this rate is not available when another energy source provided by the Company is utilized as a back-up heating source.

#### Rate:

Basic Service Charge: \$0.45 per day

#### Off-Peak Energy Charge:

For all energy used during the designated hours of 10:00 p.m. to 8:00 a.m. local time.

October – May: 0.804¢ per Kwh

#### On-Peak Energy Charge:

For all energy not covered by the Off-Peak rating period.

October – May:

First 750 Kwh per month 5.304¢ per Kwh

Over 750 Kwh per month 2.304¢ per Kwh

June – September: 5.304¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill.

Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

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Case No.: PU-10-124



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
4<sup>th</sup> Revised Sheet No. 4.1  
Canceling 3<sup>rd</sup> Revised Sheet No. 4.1

### OPTIONAL RESIDENTIAL ELECTRIC THERMAL ENERGY STORAGE SERVICE Rate 13

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Page 2 of 2

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. Thermal storage space heating facilities can include the thermal storage device(s), air-source heat pumps, and associated air handling units.
2. Unless approved by the Company the maximum thermal storage facilities that may be connected under this rate schedule is 50 Kw.
3. The foregoing schedule is subject to Rates 100-112 and any amendments or alterations thereto or additional rules and regulations promulgated by the Company under the laws of the state.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
8<sup>th</sup> Revised Sheet No. 7  
Canceling 7<sup>th</sup> Revised Sheet No. 7

### OPTIONAL TIME-OF-DAY RESIDENTIAL ELECTRIC SERVICE Rate 16

Page 1 of 3

#### Availability:

In all communities served for single-phase residential electric service. The customer's wiring must be so arranged that all service can be measured through one meter.

#### Rate:

Basic Service Charge: \$0.45 per day

#### On-Peak Energy:

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May 7.398¢ per Kwh

June – September 10.398¢ per Kwh

#### Off-Peak Energy:

For all energy not covered by the On-Peak rating period. 2.304¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

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# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
8<sup>th</sup> Revised Sheet No. 7  
Canceling 7<sup>th</sup> Revised Sheet No. 7

### OPTIONAL TIME-OF-DAY RESIDENTIAL ELECTRIC SERVICE Rate 16

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Page 2 of 3

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 10  
Canceling 5<sup>th</sup> Revised Sheet No. 10

### SMALL GENERAL ELECTRIC SERVICE Rate 20

Page 1 of 3

#### Availability:

In all communities served for all types of general electric service with billing demands that do not warrant the installation of a demand meter except outside lighting, standby, resale or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be so arranged so that all service can be measured through one meter. If the customer does not connect his wiring into a single system, each meter shall constitute a separate billing unit.

#### Rate:

Basic Service Charge:	\$0.70 per day
Energy Charge:	
October – May:	
First 750 Kwh per month	6.147¢ per Kwh
Over 750 Kwh per month	2.304¢ per Kwh
June – September:	6.147¢ per Kwh
Base Fuel and Purchased Power:	2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55

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Director - Regulatory Affairs

**Case No.:** PU-15-703



# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 10  
Canceling 5<sup>th</sup> Revised Sheet No. 10

### **SMALL GENERAL ELECTRIC SERVICE Rate 20**

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Page 2 of 3

2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 14  
Canceling 1<sup>st</sup> Revised Sheet No. 14

### IRRIGATION POWER SERVICE Rate 25

Page 1 of 3

#### Availability:

For irrigation power service.

#### Rate:

Basic Service Charge: \$0.65 per day

#### Demand Charge:

October – May \$1.25 per Kw

June – September \$2.75 per Kw

Energy Charge: 1.209¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge  
and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Power Factor Clause:

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

#### Determination of Billing Demand:

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Regulatory Affairs Manager

**Case No.:** PU-10-124



# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

---

NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 14  
Canceling 1<sup>st</sup> Revised Sheet No. 14

### **IRRIGATION POWER SERVICE Rate 25**

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Page 2 of 3

The demand in kilowatts for billing purposes shall be the maximum 15 minute measured demand in the current month. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

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**Case No.:** PU-10-124



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
8<sup>th</sup> Revised Sheet No. 15  
Canceling 7<sup>th</sup> Revised Sheet No. 15

### OPTIONAL TIME-OF-DAY SMALL GENERAL ELECTRIC SERVICE Rate 26

Page 1 of 3

#### Availability:

In all communities served for all types of general electric service with billing demands that do not warrant the installation of a demand meter except outside lighting, standby, resale, or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be arranged so that all service can be measured through one meter.

#### Rate:

Basic Service Charge: \$0.80 per day

#### On-Peak Energy:

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May 7.385¢ per Kwh  
June – September 11.385¢ per Kwh

#### Off-Peak Energy:

For all energy not covered by the On-Peak rating period. 2.304¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

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# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
8<sup>th</sup> Revised Sheet No. 15  
Canceling 7<sup>th</sup> Revised Sheet No. 15

### OPTIONAL TIME-OF-DAY SMALL GENERAL ELECTRIC SERVICE Rate 26

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Page 2 of 3

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 18  
Canceling 1<sup>st</sup> Revised Sheet No. 18

### GENERAL ELECTRIC SERVICE Rate 30

Page 1 of 3

#### Availability:

In all communities served for all types of demand metered general electric service except outside lighting, standby, resale or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be arranged so that all service can be measured through one meter. If the customer does not connect his wiring into a single system, each meter shall constitute a separate billing unit.

#### Rate:

##### Primary Service:

Basic Service Charge: \$95.00 per month

##### Demand Charge:

October – May \$6.25 per Kw

June – September \$9.25 per Kw

Energy Charge: 2.296¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Basic Service Charge: \$45.00 per month

##### Demand Charge:

October – May \$ 8.25 per Kw

June – September \$11.25 per Kw

Energy Charge: 2.376¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 18  
Canceling 1<sup>st</sup> Revised Sheet No. 18

### GENERAL ELECTRIC SERVICE Rate 30

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Page 2 of 3

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill.  
Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
4<sup>th</sup> Revised Sheet No. 19  
Canceling 3<sup>rd</sup> Revised Sheet No. 19

### OPTIONAL TIME-OF-DAY GENERAL ELECTRIC SERVICE Rate 31

Page 1 of 5

#### Availability:

In all communities served for all types of demand metered general electric service except outside lighting, standby, resale, or other customers covered by special contracts or rate schedules applicable to specific services. The customer's wiring must be arranged so that all service can be measured through one meter.

#### Rate:

##### Primary Service:

Basic Service Charge: \$97.00 per month

##### On-Peak Demand:

October - May \$ 7.50 per Kw

June - September \$10.50 per Kw

##### On-Peak Energy:

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May 2.793¢ per Kwh

June – September 3.793¢ per Kwh

##### Off-Peak Energy:

For all energy not covered by the On-Peak rating period. 0.793¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Basic Service Charge: \$47.00 per month

##### On-Peak Demand:

October – May \$ 9.50 per Kw

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# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
4<sup>th</sup> Revised Sheet No. 19  
Canceling 3<sup>rd</sup> Revised Sheet No. 19

### OPTIONAL TIME-OF-DAY GENERAL ELECTRIC SERVICE Rate 31

Page 2 of 5

June – September

\$13.50 per Kw

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Regulatory Affairs Manager

**Case No.:** PU-10-124



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
8<sup>th</sup> Revised Sheet No. 19.1  
Canceling 7<sup>th</sup> Revised Sheet No. 19.1

### OPTIONAL TIME-OF-DAY GENERAL ELECTRIC SERVICE Rate 31

Page 3 of 5

#### On-Peak Energy:

For all Kwh's used during peak hours designated as 12 p.m. to 8 p.m. local time, Monday through Friday.

October – May            2.793¢ per Kwh  
June – September       3.793¢ per Kwh

#### Off-Peak Energy:

For all energy not covered by  
the On-Peak rating period.    0.793¢ per Kwh

Base Fuel and Purchased Power:    2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### Determination of On-Peak Billing Demand:

The demand in kilowatts for billing purposes shall be the maximum 15 minute measured demand for the on-peak period in the current month. Demands will be

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Director - Regulatory Affairs

**Case No.:** PU-15-703



# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
8<sup>th</sup> Revised Sheet No. 19.1  
Canceling 7<sup>th</sup> Revised Sheet No. 19.1

### OPTIONAL TIME-OF-DAY GENERAL ELECTRIC SERVICE Rate 31

Page 4 of 5

determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

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**Case No.:** PU-15-703



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 20  
Canceling 2<sup>nd</sup> Revised Sheet No. 20

### GENERAL ELECTRIC SPACE HEATING SERVICE Rate 32

Page 1 of 4

#### Availability:

In all communities served for space heating service, where the customer also takes service under another general service rate schedule offered by the Company. Space heating equipment, including combination space heating and cooling equipment such as heat pumps and packaged roof-top heating/cooling units where heating use is the principal load may be served under this rate schedule.

#### Rate:

Basic Service Charge: \$15.00 per month

#### Primary Service:

Demand Charge:  
June – September \$9.25 per Kw

Energy Charge: 2.796¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Secondary Service:

Demand Charge:  
June – September \$11.25 per Kw

Energy Charge: 2.876¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

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**Case No.:** PU-10-124



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
3<sup>rd</sup> Revised Sheet No. 20  
Canceling 2<sup>nd</sup> Revised Sheet No. 20

### GENERAL ELECTRIC SPACE HEATING SERVICE Rate 32

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#### Minimum Bill:

Basic Service Charge.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill.  
Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

---

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
1<sup>st</sup> Revised Sheet No. 22  
Canceling Original Sheet No. 22

### FIRM SERVICE ECONOMIC DEVELOPMENT Rate 34

Page 1 of 4

#### Availability:

In all communities served for all types of general electric service which meets one of the following qualifications:

1. New Customers - An applicant with total expected demand of 200 Kw per month and usage of 750,000 Kwh per year is eligible for service under this rate if it can meet any one of the following requirements: (i) its activities are largely or entirely different than that of the previous customer; (ii) that non-seasonal business has not been conducted at the premise for at least three billing periods prior to the application; (iii) that seasonal business has not been conducted at the premise for at least thirteen billing periods prior to the application; or (iv) the facility is newly constructed.
2. Existing Customers and Existing In-state Customers of Competing Suppliers - An existing customer, or an existing in-state customer of a competing supplier with increased demand of 200 Kw per month and increased usage of 750,000 Kwh per year is eligible for service under this rate. Only the expanded portion of the facility will be eligible for the negotiated rate. In addition, the new load must be supplied from a separately metered circuit with separate metering equipment to be installed at the customer's expense. Average usage at the original facility must be at least as great as that which occurred in the previous 12 month period.

#### Rate:

Basic Service Charge: \$95.00 per month  
Demand Charge: To Be Negotiated  
Energy Charge: Otherwise applicable energy charge for General Service Rate 30.

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

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# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
1<sup>st</sup> Revised Sheet No. 22  
Canceling Original Sheet No. 22

### **FIRM SERVICE ECONOMIC DEVELOPMENT Rate 34**

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Page 2 of 4

Contracts shall be filed with and approved by the North Dakota Public Service Commission.

**Minimum Bill:**

Basic Service Charge plus Demand Charge.

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Regulatory Affairs Manager

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 23  
Canceling 1<sup>st</sup> Revised Sheet No. 23

### INTERRUPTIBLE LARGE POWER DEMAND RESPONSE Rate 38

Page 1 of 5

#### Availability:

In all communities served for power to customers having a demand of 500 Kw or more for its interruptible load available for interruption for up to 100 hours annually. Electric energy for the interruptible load shall be supplied through a separately metered circuit at the same voltage and phase utilized to serve the balance of the customer's electrical load so arranged to allow remote operation by the Company.

#### Type of Service:

Service under this rate shall be taken by the customer at whatever primary voltage is available at the point of delivery but not less than 2,400 volts. In the event that it is necessary to build a substation on the Company's transmission line to serve the customer, the cost of building the substation shall be a matter of negotiation between the Company and the customer.

#### Rate:

Basic Service Charge:	Specified in the electric service agreement with the Company.
Demand Charge:	
October – May	\$3.25 per Kw
June – September	\$6.25 per Kw
Energy Charge:	2.126¢ per Kwh
Base Fuel and Purchased Power:	2.024¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

#### Minimum Bill:

Basic Service Charge plus the Demand Charge (500 Kw minimum).

#### Payment:

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<b>Issued By:</b>	Tamie A. Aberle Regulatory Affairs Manager	<b>Case No.:</b>	PU-10-124



# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 23  
Canceling 1<sup>st</sup> Revised Sheet No. 23

### **INTERRUPTIBLE LARGE POWER DEMAND RESPONSE Rate 38**

Page 2 of 5

Bills will be considered past due if not paid by the due date shown on the bill.  
Past due bills are subject to a late payment charge in accordance with the  
provisions of Rate 100 or any amendments or alterations thereto.

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**Case No.:** PU-10-124



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 25  
Canceling 1<sup>st</sup> Revised Sheet No. 25

### SMALL MUNICIPAL ELECTRIC SERVICE Rate 40 (CLOSED)

Page 1 of 4

#### Availability:

For all lighting and power requirements with billing demands of 50 kilowatts or less for public buildings or locations supported by public tax levies, and for which the city is liable for payment, in all municipalities served where the Company is operating under a municipal franchise or permit, and the municipality has a standard contract for operation of a street lighting system and/or a municipal pumping system with the Company.

This rate is restricted to small municipal electric service customers who were served under this rate prior to January 27, 1987. Any new small municipal general electric service customer may take service under another applicable rate.

#### Rate:

##### Non-Demand:

Basic Service Charge: \$0.65 per day

##### Energy Charge:

October – May:

First 750 Kwh per month 3.868¢ per Kwh

Over 750 Kwh per month 2.802¢ per Kwh

June – September: 3.868¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Demand:

Basic Service Charge: \$0.75 per day

##### Demand Charge:

October – May:

10 Kw or less No Charge

Over 10 Kw \$6.25 per Kw

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 25  
Canceling 1<sup>st</sup> Revised Sheet No. 25

### SMALL MUNICIPAL ELECTRIC SERVICE Rate 40 (CLOSED)

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Page 2 of 4

June – September:	\$8.25 per Kw
Energy Charge:	1.302¢ per Kwh
Base Fuel and Purchased Power:	2.087¢ per Kwh

Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge  
and Demand Charge where applicable.

---

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
5<sup>th</sup> Revised Sheet No. 26  
Canceling 4<sup>th</sup> Revised Sheet No. 26

### MUNICIPAL LIGHTING SERVICE Rate 41

Page 1 of 3

#### Availability:

For municipal lighting purposes including streets, alleys and other public grounds. Service will be provided all night, every night in the year with a minimum service requirement of 4,000 hours annually, and must be covered by written contract.

#### Rate:

##### Primary Service:

Energy Charge: 5.008¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Energy Charge: 5.508¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

Discount: For contracts of ten years or more 10%

Kwh shall be computed according to the total rated capacity of lamps in use.

#### Minimum Bill:

As provided in contract.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

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Director - Regulatory Affairs

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# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
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## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
5<sup>th</sup> Revised Sheet No. 26  
Canceling 4<sup>th</sup> Revised Sheet No. 26

### MUNICIPAL LIGHTING SERVICE Rate 41

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#### **Adjustment Clauses:**

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Environmental Cost Recovery Rider Rate 57
3. Fuel and Purchased Power Adjustment Rate 58
4. Transmission Cost Adjustment Rate 59

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
2<sup>nd</sup> Revised Sheet No. 32  
Canceling 1<sup>st</sup> Revised Sheet No. 32

### MUNICIPAL PUMPING SERVICE Rate 48

Page 1 of 5

#### Availability:

For municipal pumping purposes provided the municipality uses electricity exclusively for all its pumping requirements and purchases all such electricity from the Company. The municipality must sign a contract for a minimum period of one year.

#### Rate:

##### Primary Service:

Basic Service Charge: \$12.00 per month

##### Demand Charge:

Connected loads of 10 Kw or less will be billed based on connected load. Connected loads in excess of 10 Kw will be billed based upon the greater of the highest 15 minute interval demand as registered upon a demand meter in the current month or 10 Kw.

October – May: \$3.00 per Kw  
June – September: \$5.50 per Kw

Energy Charge: 2.061¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

#### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Basic Service Charge: \$10.00 per month

##### Demand Charge:

Connected loads of 10 Kw or less will be billed based on connected load. Connected loads in excess of 10 Kw will be billed based upon the greater of the highest 15 minute interval demand as registered upon a demand meter in the current month or 10 Kw.

October – May: \$5.00 per Kw

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Regulatory Affairs Manager

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

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2<sup>nd</sup> Revised Sheet No. 32  
Canceling 1<sup>st</sup> Revised Sheet No. 32

### MUNICIPAL PUMPING SERVICE Rate 48

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Page 2 of 5

June – September: \$7.00 per Kw

Energy Charge: 2.166¢ per Kwh

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**Case No.:** PU-10-124



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 32.1  
Canceling 5<sup>th</sup> Revised Sheet No. 32.1

### MUNICIPAL PUMPING SERVICE Rate 48

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Base Fuel and Purchased Power: 2.087¢ per Kwh

Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

Discount: For contracts of ten years or more 10%

**Minimum Bill:**

Basic Service Charge plus Demand Charge.

**Payment:**

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

**Power Factor Clause:**

The Company reserves the right to require the customer to install adequate equipment so that at all times it can operate its facilities to maintain a power factor between 90% lagging and 90% leading. If the customer operates outside this range, the maximum 15 minute integrated reactive kilovolt amperes in excess of 50% of the maximum 15 minute integrated kilowatt demand for the same month will be billed at \$3.35 per Kvar of such excess demand.

**Adjustment Clauses:**

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57
4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

**General Terms and Conditions:**

1. Primary service rate is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company so customer can receive service and be

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Director - Regulatory Affairs

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# Montana-Dakota Utilities Co.

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400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

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NDPSC Volume 4

6<sup>th</sup> Revised Sheet No. 32.1

Canceling 5<sup>th</sup> Revised Sheet No. 32.1

### **MUNICIPAL PUMPING SERVICE Rate 48**

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metered at primary voltages of 2,400 volts or greater.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 36  
Canceling 5<sup>th</sup> Revised Sheet No. 36

### OUTDOOR LIGHTING SERVICE Rate 52

Page 1 of 3

#### Availability:

For all outdoor lighting including flood lights, billboard lighting, metallic vapor yard lights, and Christmas lights in all communities served. Lighting equipment may be Company-owned or customer-owned.

#### Rate:

##### Primary Service:

Energy Charge: 6.288¢ per Kwh

Base Fuel and Purchased Power: 2.024¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

##### Secondary Service:

Energy Charge: 6.694¢ per Kwh

Base Fuel and Purchased Power: 2.087¢ per Kwh

##### Interim Rate Increase:

10.320% of amount billed under Basic Service Charge, Energy Charge and Demand Charge where applicable.

Discount: For contracts of ten years or more 10%

Kwh shall be computed according to the total rated capacity of the units in use.

#### Payment:

Bills will be considered past due if not paid by the due date shown on the bill. Past due bills are subject to a late payment charge in accordance with the provisions of Rate 100 or any amendments or alterations thereto.

#### Adjustment Clauses:

Bills are subject to the following adjustments or any amendments or alterations thereto:

1. Renewable Resource Cost Adjustment Rate 55
2. Generation Resource Recovery Rider Rate 56
3. Environmental Cost Recovery Rider Rate 57

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**Case No.:** PU-15-703



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
6<sup>th</sup> Revised Sheet No. 36  
Canceling 5<sup>th</sup> Revised Sheet No. 36

### OUTDOOR LIGHTING SERVICE Rate 52

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Page 2 of 3

4. Fuel and Purchased Power Adjustment Rate 58
5. Transmission Cost Adjustment Rate 59

#### General Terms and Conditions:

1. Applicable to Company-owned Facilities:
  - a. The Company will install, own and operate the flood light(s), and yard light(s) including a suitable reflector, bracket for mounting and automatic device to control operating hours set to operate from dusk to dawn.

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# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

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Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
15<sup>th</sup> Revised Sheet No. 44  
Canceling 14<sup>th</sup> Revised Sheet No. 44

### OCCASIONAL POWER PURCHASE Rate 95 NON-TIME DIFFERENTIATED

Page 1 of 2

#### Availability:

To any qualifying cogeneration and small power production facilities for the purpose of generating occasional electric energy in parallel with the Company's system. This schedule is applicable to cogeneration and small power production facilities with a design capacity of 100 Kw or less, that are Qualifying Facilities (QF) as defined under 18 CFR, Part 292.

#### Rate:

Metering charge for single phase service: \$0.05 per day  
With instrument transformers: \$0.16 per day

Metering charge for three phase service: \$0.11 per day  
With instrument transformers: \$0.28 per day

#### Interim Rate Increase:

10.320% of amount billed under Metering Charge.

Energy delivered to and accepted by Company by a QF shall be paid for by Company in accordance with one of the following two options, elected by the QF:

#### 1. Simultaneous Purchase and Sale:

Energy sales to QF - Service provided to such customers by the Company shall be billed at the appropriate rate, by class of customers (i.e., residential, small and general electric service, etc.) that is currently on file with the Commission.

Energy purchases by Company:

Energy Payment = 2.581¢ per Kwh

#### 2. Net Billing:

Energy generated will be compensated on a net billing basis. The Company will install a meter to measure the energy generated by the QF. The

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Director of Regulatory Affairs

**Case No.:** PU-16-554



# Montana-Dakota Utilities Co.

*A Division of MDU Resources Group, Inc.*

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

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NDPSC Volume 4  
15<sup>th</sup> Revised Sheet No. 44  
Canceling 14<sup>th</sup> Revised Sheet No. 44

### **OCCASIONAL POWER PURCHASE Rate 95 NON-TIME DIFFERENTIATED**

Page 2 of 2

Company will also install a meter to measure the energy consumed by the QF. Metered generation will be subtracted from the metered consumption for the billing period.

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Director of Regulatory Affairs

**Case No.:** PU-16-554



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4<sup>th</sup> Street  
Bismarck, ND 58501

## State of North Dakota Electric Rate Schedule

NDPSC Volume 4  
15<sup>th</sup> Revised Sheet No. 45  
Canceling 14<sup>th</sup> Revised Sheet No. 45

### PARALLEL GENERATION PEAKING FACILITY PURCHASE Rate 96 TIME DIFFERENTIATED

Page 1 of 3

#### Availability:

To any qualifying cogeneration and small power production facilities for the purpose of generating electric energy in parallel with the Company's system. This schedule is applicable to cogeneration and small power production facilities with a design capacity of 1000 Kw or less, that operate as a peaking facility (defined below), and are Qualifying Facilities (QF) as defined under 18 CFR, Part 292.

#### Rate:

Metering charge for single phase service: \$ 0.15 per day  
With instrument transformers: \$ 0.26 per day

Metering charge for three phase service: \$ 0.16 per day  
With instrument transformers: \$ 0.33 per day

#### Interim Rate Increase:

10.320% of amount billed under Metering Charge.

#### 1. Capacity delivered to the Company:

Levelized payment for term of contract based on Table 1 below.

TABLE 1  
Contract Length (YR.)

	5	10	15	20
\$/Kw-mo	7.619	7.619	7.619	7.619

Total capacity payment per month = Monthly capacity payments for a QF will be made pursuant to the applicable contract length from Table 1 presented above. Such payments shall be based upon the amount of qualifying capacity assigned to an eligible resource under BPM-011-Resource Adequacy of the MISO Tariff.

Capacity payments will be paid in the subsequent billing period.

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**Case No.:** PU-16-554

**MONTANA-DAKOTA UTILITIES CO.**  
**PROJECTED OPERATING INCOME AND RATE OF RETURN**  
**REFLECTING ADDITIONAL REVENUE REQUIREMENTS**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**PROJECTED 2017**  
**- INTERIM REVISED-**

	Before Additional Revenue Requirements 1/	<b>Additional Revenue Requirements</b>	Reflecting Additional Revenue Requirements
<b>Operating Revenues</b>			
Sales	\$200,771,959	<b>\$11,695,592</b>	\$212,467,551
Sales for Resale	-		-
Other	18,141,923		18,141,923
Total Revenues	<u>218,913,882</u>	<u>11,695,592</u>	<u>230,609,474</u>
<b>Operating Expenses</b>			
Operation and Maintenance			
Cost of Fuel & Purchased Power	52,193,689		52,193,689
Other O&M	78,191,678		78,191,678
Total O&M	<u>130,385,367</u>		<u>130,385,367</u>
Depreciation	33,961,314		33,961,314
Taxes Other Than Income	7,633,302		7,633,302
Current Income Taxes	2,090,212	4,421,109 2/	6,511,321
Deferred Income Taxes	0		0
Total Expenses	<u>174,070,195</u>	<u>4,421,109</u>	<u>178,491,304</u>
Operating Income	<u>\$44,843,687</u>	<u>\$7,274,483</u>	<u>\$52,118,170</u>
Rate Base	<u>\$698,728,645</u>		<u>\$698,728,645</u>
<b>Rate of Return</b>			
	<u><b>6.418%</b></u>		<u><b>7.459%</b></u>

1/ Page 2

2/ Reflects state and federal taxes at 37.8015%.

**MONTANA-DAKOTA UTILITIES CO.  
 INCOME STATEMENT  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM REVISED-**

	Per Books 2015	Projected 2016	Projected 2017	Reference
<b>Operating Revenues</b>				
Sales	\$174,647,549	\$194,431,391	\$200,771,959	Page 3
Sales for Resale	338	0	0	Page 3
Other	6,363,950	16,541,431	18,141,923	Page 3
<b>Total Revenues</b>	<b>\$181,011,837</b>	<b>\$210,972,822</b>	<b>\$218,913,882</b>	
<b>Operating Expenses</b>				
<b>Operation and Maintenance</b>				
Fuel & Purchased Power	\$52,139,001	\$48,807,551	\$52,193,689	Page 11
Other O&M	56,208,355	75,602,244	78,191,678	Page 14 & 17
<b>Total O&amp;M</b>	<b>\$108,347,356</b>	<b>\$124,409,795</b>	<b>\$130,385,367</b>	
Depreciation and Amortization	25,070,368	32,580,996	33,961,314	Page 41
Taxes Other Than Income	5,807,956	7,374,059	7,633,302	Page 44
Current Income Taxes	2,489,858	1,922,456	2,090,212	Page 46
Deferred Income Taxes	6,146,059			
<b>Total Expenses</b>	<b>\$147,861,597</b>	<b>\$166,287,306</b>	<b>\$174,070,195</b>	
<b>Operating Income</b>	<b>\$33,150,240</b>	<b>\$44,685,516</b>	<b>\$44,843,687</b>	
<b>Rate Base</b>	<b>\$556,639,683</b>	<b>\$685,259,586</b>	<b>\$698,728,645</b>	
<b>Rate of Return</b>	<b>5.955%</b>	<b>6.521%</b>	<b>6.418%</b>	

**MONTANA-DAKOTA UTILITIES CO.  
 SUMMARY OF REVENUES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM -**

	Per Books 2015 1/	Projected 2016 2/	Projected 2017 2/
<u>Retail Sales</u>			
Residential	\$69,834,914	\$76,767,536	\$78,757,734
Small General	11,880,349	12,843,396	13,342,112
Large General	88,902,180	99,446,321	103,201,082
Municipal Lighting	1,545,567	1,687,160	1,709,389
Municipal Pumping	2,598,540	2,939,154	2,982,903
Outdoor Lighting	702,668	747,824	778,739
Unbilled Revenue	(387,651)		
Reserve for Refunds	(429,018)		
Total Sales	\$174,647,549	\$194,431,391	\$200,771,959
Sales for Resale 3/	\$ 338	\$ -	\$ -
<u>Other Revenue</u>			
Misc. Service Revenue	\$101,249	\$68,510	\$68,510
Rent from Property	3,587,062	2,369,747	2,369,747
Other Revenue	2,675,639	14,103,174	15,703,666
Total Other Revenue	\$6,363,950	\$16,541,431	\$18,141,923
Total Operating Revenue	\$181,011,837	\$210,972,822	\$218,913,882

- 1/ Per Books 2015 includes total revenue received, including the environmental rider, generation rider, renewable rider and the transmission rider.
- 2/ Projected revenue includes the environmental, transmission, renewable, and generation riders.
- 3/ No projected sales for resale revenue is included as it is returned through the Fuel and Purchased Power Adjustment.

**MONTANA-DAKOTA UTILITIES CO.  
 RETAIL SALES REVENUES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDING DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Per Books 2015	
	Kwh	Revenue
<u>Retail Sales</u>		
Residential	767,808,158	\$69,834,914
Small General	116,440,816	11,880,349
Large General	1,123,516,392	88,902,180
Municipal Lighting	19,846,309	1,545,567
Municipal Pumping	39,061,646	2,598,540
Outdoor Lighting	7,351,625	702,668
Unbilled Revenue		(387,651)
Reserve for Refunds		(429,018)
Total Sales	2,074,024,946	\$174,647,549
	Projected 2016	
	Kwh	Revenue 1/
<u>Retail Sales</u>		
Residential	759,578,000	\$76,767,536
Small General	114,022,000	12,843,396
Large General	1,139,438,000	99,446,321
Municipal Lighting	19,846,000	1,687,160
Municipal Pumping	39,062,000	2,939,154
Outdoor Lighting	7,219,000	747,824
Total Sales	2,079,165,000	\$194,431,391
	Projected 2017	
	Kwh	Revenue 1/
<u>Retail Sales</u>		
Residential	770,939,000	\$78,757,734
Small General	117,869,000	13,342,112
Large General	1,166,724,000	103,201,082
Municipal Lighting	19,846,000	1,709,389
Municipal Pumping	39,062,000	2,982,903
Outdoor Lighting	7,437,000	778,739
Total Sales	2,121,877,000	\$200,771,959

1/ Projected revenue is based on projected Kwh at current rates including the current environmental, transmission, renewable, and generation rider rates. See pages 5 - 8.

**MONTANA-DAKOTA UTILITIES CO.**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**INTERIM -**  
**Summary of Projected Revenues and Billing Determinants**  
**Twelve Months Ended December 31, 2015**

**Projected 2016**

Rate Reporting Class	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Fuel	Riders Revenue 1/	Total Revenue
<b>Residential Service</b>									
Rate 10	78,978	759,324,000		\$10,089,458	\$34,249,820		\$17,699,842	\$14,708,106	\$76,747,226
Rate 13	4	127,000		657	2,976		2,960	2,460	9,053
Rate 16	8	127,000		1,314	4,523		2,960	2,460	11,257
<b>Total Residential</b>	<b>78,990</b>	<b>759,578,000</b>		<b>10,091,429</b>	<b>34,257,319</b>		<b>17,705,762</b>	<b>14,713,026</b>	<b>76,767,536</b>
<b>Small General Service</b>									
Rate 20	11,145	107,444,327		\$2,847,585	\$5,087,694		\$2,504,527	\$1,762,088	\$12,201,894
Rate 25	46	1,224,000	7,810.4	10,914	14,798	\$16,010	28,531	20,074	90,327
Rate 26	239	1,277,673		69,788	49,771		29,783	20,955	170,297
Rate 40	309	4,076,000	9,468.1	74,734	95,178	49,107	95,012	66,847	380,878
<b>Total Small General</b>	<b>11,739</b>	<b>114,022,000</b>	<b>17,278.5</b>	<b>3,003,021</b>	<b>5,247,441</b>	<b>65,117</b>	<b>2,657,853</b>	<b>1,869,964</b>	<b>12,843,396</b>
<b>General Service</b>									
Rate 30 Secondary 2/	4,545	735,468,226	2,220,144.0	\$2,454,760	\$17,474,725	\$20,597,595	\$17,143,764	\$12,802,222	\$70,473,066
Rate 30 Primary	42	191,626,000	458,824.5	47,880	4,399,733	3,356,127	4,309,669	3,163,342	15,276,751
<b>Rate 30 Contract Rates</b>									
Rates 302 & 303 Tesoro	2	75,560,000	138,211.0	2,280	1,295,201	902,874	1,699,344		3,899,699
Rate 304 Sabin	1	26,681,000	65,685.4	180	522,414	364,554	600,056		1,487,204
Rate 31 Primary	1	2,042,000	7,688.6	1,164	29,460	33,584	45,925	32,256	142,389
Rate 31 Secondary	68	17,397,774	94,594.8	38,352	251,126	499,731	405,542	292,897	1,487,648
Rate 32 Secondary	616	54,236,000	265,212.4	110,880	1,559,827	478,420	1,264,241	769,559	4,182,927
Rate 32 Primary	0	0	0.0	0	0	0	0	0	0
<b>Rate 38</b>									
Rate 380	2	17,383,000	52,416.0	5,797	369,563	224,387	390,944	302,501	1,293,192
Rate 381 Capitol	1	13,937,000	31,567.9	11,892	188,310	230,799	313,443	227,475	971,919
Rate 39	1	5,107,000	11,502.0	3,600	46,933	66,137	114,856		231,526
<b>Total General</b>	<b>5,279</b>	<b>1,139,438,000</b>	<b>3,345,846.6</b>	<b>2,676,785</b>	<b>26,137,292</b>	<b>26,754,208</b>	<b>26,287,784</b>	<b>17,590,252</b>	<b>99,446,321</b>
<b>Municipal Lighting Service</b>									
Rate 41 Secondary	512	18,127,000			\$908,014		\$422,540	\$219,842	\$1,550,396
Rate 41 Primary	49	1,719,000			77,475		38,660	20,629	136,764
<b>Total Municipal Lighting</b>	<b>561</b>	<b>19,846,000</b>			<b>985,489</b>		<b>461,200</b>	<b>240,471</b>	<b>1,687,160</b>

**MONTANA-DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
INTERIM  
Summary of Projected Revenues and Billing Determinants  
Twelve Months Ended December 31, 2015**

**Projected 2016**

Rate Reporting Class	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Fuel	Riders Revenue 1/	Total Revenue
Municipal Pumping Service									
Rate 48 Secondary 2/	319	25,168,000	91,118.4	\$37,418	\$503,637	\$475,748	\$586,666	424,618	\$2,028,087
Rate 48 Primary	4	13,894,000	35,805.3	518	257,734	130,541	312,476	209,798	911,067
<b>Total Municipal Pumping</b>	<b>323</b>	<b>39,062,000</b>	<b>126,923.7</b>	<b>37,936</b>	<b>761,371</b>	<b>606,289</b>	<b>899,142</b>	<b>634,416</b>	<b>2,939,154</b>
Outdoor Lighting Service									
Rate 52 Secondary	2,602	7,206,000			\$482,370		\$167,972	\$96,200	\$746,542
Rate 52 Primary	2	13,000			817		292	173	1,282
<b>Total Outdoor Lighting</b>	<b>2,604</b>	<b>7,219,000</b>			<b>483,187</b>		<b>168,264</b>	<b>96,373</b>	<b>747,824</b>
<b>Total North Dakota</b>	<b>99,496</b>	<b>2,079,165,000</b>	<b>3,490,048.8</b>	<b>\$15,809,171</b>	<b>\$67,872,099</b>	<b>\$27,425,614</b>	<b>\$48,180,005</b>	<b>\$35,144,502</b>	<b>\$194,431,391</b>

1/ Includes Renewable, Generation, Environmental, and Transmission riders.

2/ Includes 1 customer's excess facilities charges.

**MONTANA-DAKOTA UTILITIES CO.**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**INTERIM**  
**Summary of Projected Revenues and Billing Determinants**  
**Twelve Months Ended December 31, 2015**

Rate Reporting Class	Projected 2017								
	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Fuel	Riders Revenue 1/	Total Revenue
<b>Residential Service</b>									
Rate 10	79,991	770,685,000		\$10,218,868	\$34,762,266		\$18,827,835	\$14,928,169	\$78,737,138
Rate 13	4	127,000		657	2,976		3,103	2,460	9,196
Rate 16	8	127,000		1,314	4,523		3,103	2,460	11,400
<b>Total Residential</b>	<b>80,003</b>	<b>770,939,000</b>		<b>10,220,839</b>	<b>34,769,765</b>		<b>18,834,041</b>	<b>14,933,089</b>	<b>78,757,734</b>
<b>Small General Service</b>									
Rate 20	11,272	111,247,327		\$2,880,033	\$5,267,773		\$2,717,772	\$1,824,456	\$12,690,034
Rate 25	46	1,267,000	8,084.6	10,914	15,318	\$16,573	30,953	20,778	94,536
Rate 26	240	1,278,673		70,080	49,810		31,238	20,971	172,099
Rate 40	309	4,076,000	9,468.1	74,734	95,178	49,107	99,577	66,847	385,443
<b>Total Small General</b>	<b>11,867</b>	<b>117,869,000</b>	<b>17,552.7</b>	<b>3,035,761</b>	<b>5,428,079</b>	<b>65,680</b>	<b>2,879,540</b>	<b>1,933,052</b>	<b>13,342,112</b>
<b>General Service</b>									
Rate 30 Secondary 2/	4,587	755,983,226	2,281,943.8	\$2,477,440	\$17,962,161	\$21,170,949	\$18,468,670	\$13,159,140	\$73,238,360
Rate 30 Primary	43	195,765,000	468,864.3	49,020	4,494,764	3,429,564	4,622,012	3,231,856	15,827,216
<b>Rate 30 Contract Rates</b>									
Rates 302 & 303 Tesoro	2	75,560,000	138,211.0	2,280	1,295,201	902,874	1,783,972		3,984,327
Rate 304 Sabin	1	26,681,000	65,685.4	180	522,414	364,554	629,938		1,517,086
Rate 31 Primary	1	2,081,000	7,835.7	1,164	30,023	34,226	49,132	32,872	147,417
Rate 31 Secondary	68	17,694,774	96,323.7	38,352	255,413	508,864	432,283	297,976	1,532,888
Rate 32 Secondary	623	55,941,000	273,550.0	112,140	1,608,863	493,460	1,366,639	793,752	4,374,854
Rate 32 Primary	0	0	0.0	0	0	0	0	0	0
<b>Rate 38</b>									
Rate 380	2	17,711,000	53,405.0	5,797	376,536	228,620	418,157	308,209	1,337,319
Rate 381 Capitol	1	14,200,000	32,163.4	11,892	190,295	235,153	335,262	231,767	1,004,369
Rate 39	1	5,107,000	11,502.0	3,600	46,933	66,137	120,576		237,246
<b>Total General</b>	<b>5,329</b>	<b>1,166,724,000</b>	<b>3,429,484.3</b>	<b>2,701,865</b>	<b>26,782,603</b>	<b>27,434,401</b>	<b>28,226,641</b>	<b>18,055,572</b>	<b>103,201,082</b>
<b>Municipal Lighting Service</b>									
Rate 41 Secondary	512	18,127,000			\$908,014		\$442,843	\$219,842	\$1,570,699
Rate 41 Primary	49	1,719,000			77,475		40,586	20,629	138,690
<b>Total Municipal Lighting</b>	<b>561</b>	<b>19,846,000</b>			<b>985,489</b>		<b>483,429</b>	<b>240,471</b>	<b>1,709,389</b>
<b>Municipal Pumping Service</b>									

**MONTANA-DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
INTERIM  
Summary of Projected Revenues and Billing Determinants  
Twelve Months Ended December 31, 2015**

Rate Reporting Class	Projected 2017								
	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Fuel	Riders Revenue 1/	Total Revenue
Rate 48 Secondary 2/	319	25,168,000	91,118.4	\$37,418	\$503,637	\$475,748	\$614,854	424,618	\$2,056,275
Rate 48 Primary	4	13,894,000	35,805.3	518	257,734	130,541	328,037	209,798	926,628
<b>Total Municipal Pumping</b>	<b>323</b>	<b>39,062,000</b>	<b>126,923.7</b>	<b>37,936</b>	<b>761,371</b>	<b>606,289</b>	<b>942,891</b>	<b>634,416</b>	<b>2,982,903</b>
Outdoor Lighting Service									
Rate 52 Secondary	2,602	7,424,000			\$496,963		\$181,368	\$99,111	\$777,442
Rate 52 Primary	2	13,000			817		307	173	1,297
<b>Total Outdoor Lighting</b>	<b>2,604</b>	<b>7,437,000</b>			<b>497,780</b>		<b>181,675</b>	<b>99,284</b>	<b>778,739</b>
<b>Total North Dakota</b>	<b><u>100,687</u></b>	<b><u>2,121,877,000</u></b>	<b><u>3,573,960.7</u></b>	<b><u>\$15,996,401</u></b>	<b><u>\$69,225,087</u></b>	<b><u>\$28,106,370</u></b>	<b><u>\$51,548,217</u></b>	<b><u>\$35,895,884</u></b>	<b><u>\$200,771,959</u></b>

1/ Includes Renewable, Generation, Environmental, and Transmission riders.

2/ Includes 1 customer's excess facilities charges.

**MONTANA-DAKOTA UTILITIES CO.  
 MISCELLANEOUS REVENUES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Per Books 2015	Projected 2016	Projected 2017
<u>Miscellaneous Service Revenue:</u>			
Seasonal Reconnect Fee 1/	\$11,660	\$13,960	\$13,960
Reconnect Fee - Nonpayment 1/	43,520	33,000	33,000
NSF Check fees	14,385	14,385	14,385
Work for Others 2/	29,490	5,399	5,399
Energy Diversion 3/	2,194	1,766	1,766
Total	\$101,249	\$68,510	\$68,510
<u>Rent from Property:</u>			
Buildings 4/	\$237,825	\$17,205	\$17,205
General Office - COS 1/	916,927	1,226,216	1,226,216
Equipment	114,834	114,834	114,834
Parking Lots	1,321	1,321	1,321
Pole Attachments	127,455	127,455	127,455
Street Lights	615,165	615,165	615,165
Yard Lights	199,962	199,962	199,962
Miscellaneous 5/	94,376	67,589	67,589
Joint Use agreements 6/	1,279,197	0	0
Total	\$3,587,062	\$2,369,747	\$2,369,747
<u>Other Revenue:</u>			
Sale of Junk / Fly Ash 7/	\$29,351	\$28,519	\$28,519
Patronage Dividends	5,699	5,699	5,699
Joint Use / Meter Reading 1/	67,002	90,100	90,100
Late Payment Revenue 8/	216,441	233,318	240,926
Miscellaneous	68,946	68,946	68,946
Coyote Misc. Revenue 1/	77,561	17,206	17,206
Big Stone Misc. Revenue 1/	255,445	362,616	362,616
KVAR Penalty Revenue 3/	445,394	416,431	416,431
Power Interchange Service 6/	187,924	0	0
Sale of RECs 9/	2,681	0	0
Total	\$1,356,444	\$1,222,835	\$1,230,443
Total	\$5,044,755	\$3,661,092	\$3,668,700

**MONTANA-DAKOTA UTILITIES CO.  
 MISCELLANEOUS REVENUES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM.**

	<u>Per Books 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>
<u>Transmission Cost Adjustment (TCA) Revenue</u>			
<u>Other Revenue:</u>			
Facilities Credit - SPP & Basin 1/	\$0	\$8,716,771	\$10,189,776
MISO Transmission Revenue 1/	1,319,195	2,824,103	2,943,982
Schedule 26 Revenue 10/	0	1,339,465	1,339,465
	<u>\$1,319,195</u>	<u>\$12,880,339</u>	<u>\$14,473,223</u>
 Total Miscellaneous Revenue	 <u>\$6,363,950</u>	 <u>\$16,541,431</u>	 <u>\$18,141,923</u>

1/ Updated to reflect an annualized 2016 based on activity through June.

2/ This type of work has largely returned to 2013 levels.

3/ Restated to reflect a three year average.

4/ Reflects current rental agreements and removes employee rental income.

5/ Updated to reflect current rental agreement.

6/ Agreement ceased during 2015.

7/ Fly ash sales have been updated to reflect current activity.

8/ Based on the ratio of 2015 Late Payment to Sales Revenue of 0.12 percent.

9/ No REC Revenue is projected as the revenue is returned through the FPPA.

10/ Schedule 26 Revenue was formerly recorded as a credit to expense.

**MONTANA-DAKOTA UTILITIES CO.  
 SUMMARY OF OPERATION AND MAINTENANCE EXPENSES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDING DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM REVISED-**

	<u>Per Books 2015 1/</u>	<u>Projected 2016</u>	<u>Projected 2017</u>
Fuel & Purchased Power	\$52,139,001	\$48,807,551	\$52,193,689
Production	19,091,877	22,528,343	22,653,434
Transmission	9,503,434	23,576,739	24,801,434
Distribution	10,256,881	10,486,485	10,816,156
Customer Accounting	2,624,990	2,606,608	2,691,378
Customer Service & Information	171,898	167,858	170,324
Sales	114,458	105,893	108,501
Administrative & General	<u>14,444,817</u>	<u>16,130,319</u>	<u>16,950,451</u>
Total Operation & Maintenance	<u><u>\$108,347,356</u></u>	<u><u>\$124,409,795</u></u>	<u><u>\$130,385,367</u></u>

1/ Includes total North Dakota electric operations Operation and Maintenance expenses.

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
PROJECTED 2016  
- INTERIM REVISED-**

Function	Fuel & Purchased Power	Labor	Benefits	Subcontract Labor	Big Stone/ Coyote	Materials	Vehicles & Work Equipment
Fuel & Purchased Power	\$48,180,461	\$421,530		\$110,603	\$85,739	\$8,983	\$7
<u>Other O&amp;M</u>							
Production	2,110,135	\$6,428,416		\$3,720,350	\$7,436,491	\$1,289,319	\$46,792
Transmission		2,799,353		19,835,624	6,378	254,593	146,231
Distribution		6,063,205		2,484,432		842,010	962,321
Customer Accounting		1,351,370		68,179		1,219	91,312
Customer Service & Information		64,622					985
Sales		38,195				1	1,171
Administrative & General		3,917,799	\$5,037,754	685,717		66,047	26,232
Total Other O&M	\$2,110,135	\$20,662,960	\$5,037,754	\$26,794,302	\$7,442,869	\$2,453,189	\$1,275,044
Total O&M	\$50,290,596	\$21,084,490	\$5,037,754	\$26,904,905	\$7,528,608	\$2,462,172	\$1,275,051
See Page Number:	18	19	20	21	23	24	25

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
PROJECTED 2016  
- INTERIM REVISED-**

Function	Facilities Charge	Company Consumption	Postage	Uncollectible Accounts	Advertising	Industry Dues	Insurance
Fuel & Purchased Power							
<u>Other O&amp;M</u>							
Production		\$26,860	\$2,461				
Transmission		14,621	52				
Distribution	\$26,614	184,066	12,686	\$1,570			
Customer Accounting			322,563	572,406			
Customer Service & Information					\$92,376		
Sales			16				
Administrative & General		105,422	130,232		55,258	\$190,668	\$1,545,226
Total Other O&M	\$26,614	\$330,969	\$468,010	\$573,976	\$147,634	\$190,668	\$1,545,226
Total O&M	\$26,614	\$330,969	\$468,010	\$573,976	\$147,634	\$190,668	\$1,545,226
See Page Number:	26	27	28	29	30	31	32

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
PROJECTED 2016  
- INTERIM REVISED-**

Function	Regulatory Commission Expense	Software Maintenance	Annual Easements	All Other O&M	Projected 2016 O&M
Fuel & Purchased Power				\$228	\$48,807,551
<u>Other O&amp;M</u>					
Production		\$253,267	\$387,173	\$827,079	\$22,528,343
Transmission		123,791	37,799	358,297	23,576,739
Distribution		72,938	24,653	(188,010)	10,486,485
Customer Accounting		66,441		133,118	2,606,608
Customer Service & Information				9,875	167,858
Sales				66,510	105,893
Administrative & General	\$325,384	485,597		3,558,983	16,130,319
Total Other O&M	\$325,384	\$1,002,034	\$449,625	\$4,765,852	\$75,602,244
<b>Total O&amp;M</b>	<b>\$325,384</b>	<b>\$1,002,034</b>	<b>\$449,625</b>	<b>\$4,766,080</b>	<b>\$124,409,795</b>
See Page Number:	33	34	35	36	

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
PROJECTED 2017  
- INTERIM REVISED-**

Function	Fuel & Purchased Power	Labor	Benefits	Subcontract Labor	Big Stone/ Coyote	Materials	Vehicles & Work Equipment
Fuel & Purchased Power	\$51,548,210	\$436,115		\$112,649	\$87,326	\$9,149	\$8
<u>Other O&amp;M</u>							
Production	1,980,510	\$6,650,838		\$3,559,333	\$7,574,066	\$1,314,629	\$48,496
Transmission		2,896,211		20,941,539	6,496	259,303	153,131
Distribution		6,272,992		2,530,394		867,270	1,007,729
Customer Accounting		1,398,127		69,440		1,242	95,620
Customer Service & Information		66,858					1,032
Sales		39,517				1	1,227
Administrative & General		4,053,355	\$5,426,503	698,403		67,269	27,470
Total Other O&M	\$1,980,510	\$21,377,898	\$5,426,503	\$27,799,109	\$7,580,562	\$2,509,714	\$1,334,705
Total O&M	\$53,528,720	\$21,814,013	\$5,426,503	\$27,911,758	\$7,667,888	\$2,518,863	\$1,334,713
See Page Number:	18	19	20	21	23	24	25

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
PROJECTED 2017  
- INTERIM REVISED-**

Function	Facilities Charge	Company Consumption	Postage	Uncollectible Accounts	Advertising	Industry Dues	Insurance
Fuel & Purchased Power							
<u>Other O&amp;M</u>							
Production		\$27,006	\$2,461				
Transmission		15,198	52				
Distribution	\$26,614	189,471	12,686	\$1,570			
Customer Accounting			332,625	591,073			
Customer Service & Information					\$92,376		
Sales			16				
Administrative & General		108,975	130,232		55,258	\$190,668	\$1,622,487
Total Other O&M	\$26,614	\$340,650	\$478,072	\$592,643	\$147,634	\$190,668	\$1,622,487
Total O&M	\$26,614	\$340,650	\$478,072	\$592,643	\$147,634	\$190,668	\$1,622,487
See Page Number:	26	27	28	29	30	31	32

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
PROJECTED 2017  
- INTERIM REVISED-**

Function	Regulatory Commission Expense	Software Maintenance	Annual Easements	All Other O&M	Projected 2017 O&M
Fuel & Purchased Power				\$232	\$52,193,689
<u>Other O&amp;M</u>					
Production		\$257,952	\$395,645	\$842,498	\$22,653,434
Transmission		126,081	38,498	364,925	24,801,434
Distribution		74,287	25,109	(191,966)	10,816,156
Customer Accounting		67,670		135,581	2,691,378
Customer Service & Information				10,058	170,324
Sales				67,740	108,501
Administrative & General	\$450,426	494,581		3,624,824	16,950,451
Total Other O&M	\$450,426	\$1,020,571	\$459,252	\$4,853,660	\$78,191,678
<b>Total O&amp;M</b>	<b>\$450,426</b>	<b>\$1,020,571</b>	<b>\$459,252</b>	<b>\$4,853,892</b>	<b>\$130,385,367</b>
See Page Number:	33	34	35	36	

**MONTANA-DAKOTA UTILITIES CO.  
 FUEL & PURCHASED POWER  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDING DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Per Books	Projected	
	2015	2016	2017
Fuel & Purchased Power	\$51,542,484	\$48,180,461	\$51,548,210
Production	1,063,177	2,110,135	1,980,510
Transmission	263,993	0	0
Total	<u>\$52,869,654</u>	<u>\$50,290,596</u>	<u>\$53,528,720</u>

Projected costs recovered via the Fuel and Purchased Power Adjustment, by account:

	Per Books	Projected	
	2015	2016	2017
<u>Fuel Expense:</u>			
Acct. 501 - Coal	\$23,637,134	\$33,683,874	\$34,102,795
Acct. 502 - Reagents & Sand 1/	1,063,177	2,110,135	1,980,510
Acct. 547 - Natural Gas	468,073	293,793	507,289
	<u>\$25,168,384</u>	<u>\$36,087,802</u>	<u>\$36,590,594</u>
<u>Purchased Power / Pipeline Charges:</u>			
Acct. 555 - Energy	\$23,256,381	\$12,998,608	\$14,868,822
Acct. 555 - Demand	1,622,477	455,696	454,532
Acct. 575 - Market Administration 1/	263,993	264,413	265,428
Acct. 547 - Pipeline Reservation Charges	2,001,274	1,975,353	1,975,353
Total Purchased Power	<u>\$27,144,125</u>	<u>\$15,694,070</u>	<u>\$17,564,135</u>
<u>Other</u>			
Deferred F&PP	\$557,145	\$0	\$0
Subtotal	<u>\$52,869,654</u>	<u>\$51,781,872</u>	<u>\$54,154,729</u>
Less:			
Fuel & PP - Sales for Resale 2/	<u>\$790</u>	<u>\$1,491,276</u>	<u>\$626,009</u>
Total Fuel & Purchased Power	<u>\$52,868,864</u>	<u>\$50,290,596</u>	<u>\$53,528,720</u>

1/ Per books Acct. 502 is recorded as production expense and Acct. 575 is recorded as transmission expense.

2/ Projected costs associated with Fuel & PP - Sales for Resale have been excluded from total Fuel & PP expense along with the revenues as they are an equal offset in the Fuel and Purchased Power adjustment.

**MONTANA-DAKOTA UTILITIES CO.**  
**LABOR EXPENSE**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**TWELVE MONTHS ENDED DECEMBER 31, 2015**  
**PROJECTED 2016 & 2017**  
**- INTERIM REVISED-**

<b>All Other</b>	Per Books	Projected 1/	
	2015	2016	2017
Fuel & Purchased Power	\$419,224	\$421,530	\$436,115
Production	6,039,845	6,073,064	6,283,192
Transmission 2/	2,627,204	2,799,353	2,896,211
Distribution	6,030,040	6,063,205	6,272,992
Customer Accounting	1,343,978	1,351,370	1,398,127
Customer Service & Information	64,269	64,622	66,858
Sales	37,986	38,195	39,517
Administrative & General	3,896,369	3,917,799	4,053,355
<b>Total</b>	<b>\$20,458,915</b>	<b>\$20,729,138</b>	<b>\$21,446,367</b>

<b>Wind - Renewable Rider</b>	Per Books	Projected 1/	
	2015	2016 3/	2017 4/
Diamond Willow	\$126,452	\$170,505	\$176,404
Cedar Hills	97,654	135,846	140,546
Thunder Spirit	699	49,001	50,696
<b>Production</b>	<b>\$224,805</b>	<b>\$355,352</b>	<b>\$367,646</b>

<b>Per Books 2015</b>	Total	Wind	All Other
Fuel & Purchased Power	\$419,224	\$0	\$419,224
Production	6,264,650	224,805	6,039,845
Transmission	2,627,204	0	2,627,204
Distribution	6,030,040	0	6,030,040
Customer Accounting	1,343,978	0	1,343,978
Customer Service & Information	64,269	0	64,269
Sales	37,986	0	37,986
Administrative & General	3,896,369	0	3,896,369
<b>Total</b>	<b>\$20,683,720</b>	<b>\$224,805</b>	<b>\$20,458,915</b>

- 1/ Pursuant to the Settlement Agreement in Case No. PU-10-124, 60% of projected bonuses & commission and incentive compensation has been excluded from projected 2016 and 2017 labor expense. The adjustment reflects an increase of .55% and 3.46% for 2016 and 2017, respectively.
- 2/ 2016 includes a correction of per books labor expense of \$156,837.
- 3/ Based on level of employees as of June 2016, annualized.
- 4/ Reflects an increase in total labor of 3.46%.

**MONTANA-DAKOTA UTILITIES CO.**  
**BENEFITS EXPENSE**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**TWELVE MONTHS ENDING DECEMBER 31, 2015**  
**PROJECTED 2016 & 2017**  
**- INTERIM**

<b>All Other</b>	Per Books	Projected	
	2015	2016	2017
Medical/Dental 1/	\$2,092,847	\$2,193,304	\$2,550,813
Pension Expense 2/	306,034	450,543	433,287
Post-Retirement 3/	(10,413)	(3,187)	(33,357)
401-K 4/	2,041,551	2,131,379	2,205,977
Workers Compensation 5/	107,963	108,514	112,314
Other Benefits 6/	65,938	68,839	71,248
Total Administrative & General	<u>\$4,603,920</u>	<u>\$4,949,392</u>	<u>\$5,340,282</u>

<b>Wind - Renewable Rider</b>	Per Books	Projected	
	2015	2016	2017
Medical/Dental 7/	\$26,531	\$43,282	\$50,337
Pension Expense 2/	3,009	4,430	4,260
Post-Retirement 3/	649	1,099	(9,305)
401-K 8/	19,849	31,982	33,101
Workers Compensation 9/	3,789	6,467	6,687
Other Benefits 6/	1,422	1,102	1,141
Total Administrative & General	<u>\$55,249</u>	<u>\$88,362</u>	<u>\$86,221</u>

<b>Per Books 2015</b>	Total	Wind	All Other
Medical/Dental	\$2,119,378	\$26,531	\$2,092,847
Pension Expense	309,043	3,009	306,034
Post-Retirement	(9,764)	649	(10,413)
401-K	2,061,400	19,849	2,041,551
Workers Compensation	111,752	3,789	107,963
Other Benefits	67,360	1,422	65,938
Total Administrative & General	<u>\$4,659,169</u>	<u>\$55,249</u>	<u>\$4,603,920</u>

- 1/ Reflects an increase of 4.80% for 2016 based on effective 2016 premiums and 16.30% for 2017 based on projected medical premiums.
- 2/ Reflects an increase of 47.22% for 2016 and a decrease of 3.83% for 2017 based on an actuarial study.
- 3/ Reflects an increase of 69.39% for 2016 and a decrease of 946.67% for 2017 based on an actuarial study.
- 4/ Reflects the straight time labor increase of 3.40% and additional 1% for the plan change for 2016 and the straight time labor increase of 3.50% for 2017.
- 5/ Based on the ratio of 2015 workers compensation to 2015 labor expense.
- 6/ Reflects the increase in straight time labor for 2016 and 2017.
- 7/ 2016 reflects a loading factor of 12.18% of labor costs. 2017 is based on the increase in projected medical premiums.
- 8/ 2016 reflects 9% of labor consisting of 5% in-lieu of pension contribution and 4% employer match. 2017 401K amount reflects the increase in straight time labor of 3.50%
- 9/ Based on the ratio of 2015 workers compensation (wind only) to 2015 labor expense (wind only).

**MONTANA-DAKOTA UTILITIES CO.  
SUBCONTRACT LABOR EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDED DECEMBER 31, 2015  
PROJECTED 2016 & 2017  
- INTERIM**

<b>All Other</b>	Per Books	Projected	
	2015	2016 1/	2017 2/
Fuel & Purchased Power	\$109,302	\$110,603	\$112,649
Production	2,329,643	2,357,366	2,400,977
Transmission	1,160,504	1,174,314	1,196,039
Distribution	2,455,215	2,484,432	2,530,394
Customer Accounting	67,377	68,179	69,440
Administrative & General	631,606	685,717	698,403
<b>Total</b>	<b>\$6,753,647</b>	<b>\$6,880,611</b>	<b>\$7,007,902</b>

<b>Transmission Cost Adjustment</b>	Per Books	Projected	
	2015	2016	2017
Transmission Expense 3/	\$3,010,924	\$18,661,310	\$19,745,500

<b>Wind - Renewable Rider</b>	Per Books	Projected	
	2015	2016	2017
Diamond Willow	\$28,882	\$28,942	\$29,478
Cedar Hills	3,882	13,283	13,529
Thunder Spirit	0	1,320,759	1,115,349
<b>Total Wind</b>	<b>\$32,764</b>	<b>\$1,362,984</b>	<b>\$1,158,356</b>

<b>Per Books 2015</b>	Total	Wind	Transmission	All Other
Fuel & Purchased Power	\$109,302	\$0	\$0	\$109,302
Production	2,362,407	32,764	0	2,329,643
Transmission 3/ 4/	4,171,428	0	3,010,924	1,160,504
Distribution	2,455,215	0	0	2,455,215
Customer Accounting	67,377	0	0	67,377
Administrative & General	631,606	0	0	631,606
<b>Total</b>	<b>\$9,797,335</b>	<b>\$32,764</b>	<b>\$3,010,924</b>	<b>\$6,753,647</b>

1/ Adjusted to reflect inflation of 1.19%, except A&G which was increased by \$40,060 to reflect additional costs related to the Company's aircraft and hangar and \$8,489 to reflect increases in rating agency fees.

2/ Adjusted to reflect inflation of 1.85%.

3/ See detail by schedule on page 22.

4/ Excludes Account 575 - Market Administration as it is included in the FPPA.

**NOTE:**

Inflation is based on an average of eight published forecasts for 2016 and 2017.

**MONTANA-DAKOTA UTILITIES CO.**  
**SUBCONTRACT LABOR EXPENSE - TRANSMISSION DETAIL**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**TWELVE MONTHS ENDED DECEMBER 31, 2015**  
**PROJECTED 2016 & 2017**  
**- INTERIM <sup>1</sup>**

<b>Transmission Cost Adjustment</b>	Per Books	Projected	
	2015	2016	2017
MISO Sched 10	\$979,035	\$800,000	\$800,000
MISO Sched 26/26a <sup>1/</sup>	3,191,422	5,161,103	5,501,630
SPP Schedule 1 & 1a		1,482,000	1,544,000
SPP Schedule 2		75,000	75,000
SPP NITS - Schedule 9 & 11		18,447,000	19,553,000
Totals	<u>\$4,170,457</u>	<u>\$25,965,103</u>	<u>\$27,473,630</u>
North Dakota Share	72.196505%	71.870735%	71.870735%
Transmission Expense	<u>\$3,010,924</u>	<u>\$18,661,310</u>	<u>\$19,745,500</u>

<sup>1/</sup> During 2015, MISO 26/26a was a combination of allocated and direct assignment

**MONTANA-DAKOTA UTILITIES CO.  
 BIG STONE & COYOTE EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

<b>Big Stone</b>	Per Books	Projected	
	2015	2016 1/	2017 2/
Fuel & Purchased Power	\$36,214	\$61,165	\$62,297
Production	3,584,790	2,959,807	3,014,563
Transmission	5,962	760	774
<b>Total</b>	<b>\$3,626,966</b>	<b>\$3,021,732</b>	<b>\$3,077,634</b>

<b>Coyote</b>	Per Books	Projected	
	2015	2016 1/	2017 2/
Fuel & Purchased Power	\$22,563	\$24,574	\$25,029
Production	3,297,142	4,476,684	4,559,503
Transmission	9,260	5,618	5,722
<b>Total</b>	<b>\$3,328,965</b>	<b>\$4,506,876</b>	<b>\$4,590,254</b>

<b>Total</b>	Per Books	Projected	
	2015	2016 1/	2017 2/
Fuel & Purchased Power	\$58,777	\$85,739	\$87,326
Production	6,881,932	7,436,491	7,574,066
Transmission	15,222	6,378	6,496
<b>Total</b>	<b>\$6,955,931</b>	<b>\$7,528,608</b>	<b>\$7,667,888</b>

1/ 2016 updated to reflect expected cost of operations.  
 2/ 2017 adjusted to reflect inflation of 1.85%.

**MONTANA-DAKOTA UTILITIES CO.**  
**MATERIALS EXPENSE**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**TWELVE MONTHS ENDING DECEMBER 31, 2015**  
**PROJECTED 2016 & 2017**  
**- INTERIM**

<b>All Other</b>	Per Books	Projected	
	2015	2016	2017 1/
Fuel & Purchased Power	\$8,983	\$8,983	\$9,149
Production	1,153,560	1,153,560	1,174,901
Transmission	254,593	254,593	259,303
Distribution 2/	817,485	842,010	867,270
Customer Accounting	1,219	1,219	1,242
Sales	1	1	1
Administrative & General	66,047	66,047	67,269
<b>Total</b>	<b>\$2,301,888</b>	<b>\$2,326,413</b>	<b>\$2,379,135</b>

<b>Wind - Renewable Rider</b>	Per Books	Projected	
	2015	2016 3/	2017 4/
Diamond Willow	\$95,037	\$82,191	\$83,712
Cedar Hills	46,036	53,372	54,360
Thunder Spirit	24	196	1,656
<b>Production</b>	<b>\$141,097</b>	<b>\$135,759</b>	<b>\$139,728</b>

<b>Per Books 2015</b>	Total	Wind	All Other
Fuel & Purchased Power	\$8,983	\$0	\$8,983
Production	1,294,657	141,097	1,153,560
Transmission	254,593	0	254,593
Distribution	817,485	0	817,485
Customer Accounting	1,219	0	1,219
Sales	1	0	1
Administrative & General	66,047	0	66,047
<b>Total</b>	<b>\$2,442,985</b>	<b>\$141,097</b>	<b>\$2,301,888</b>

- 1/ Adjusted by inflation rate of 1.85%, except for distribution.  
 2/ Adjusted 2016 and 2017 by expected cost increases of 3%.  
 3/ Adjusted to reflect a three year average.  
 4/ Adjusted by inflation rate of 1.85%.

**MONTANA-DAKOTA UTILITIES CO.  
 VEHICLES & WORK EQUIPMENT EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

<b>All Other</b>	Per Books	Projected 1/	
	2015	2016	2017
Fuel & Purchased Power	\$6	\$7	\$8
Production	24,925	28,511	29,856
Transmission	127,841	146,231	153,131
Distribution	841,297	962,321	1,007,729
Customer Accounting	79,828	91,312	95,620
Customer Service & Information	861	985	1,032
Sales	1,024	1,171	1,227
Administrative & General	22,934	26,232	27,470
<b>Total</b>	<b>\$1,098,716</b>	<b>\$1,256,770</b>	<b>\$1,316,073</b>

<b>Wind - Renewable Rider</b>	Per Books	Projected 1/	
	2015	2016	2017
Diamond Willow	\$4,722	\$5,255	\$5,353
Cedar Hills	10,714	7,760	7,904
Thunder Spirit	0	5,266	5,383
Production	\$15,436	\$18,281	\$18,640

<b>Per Books 2015</b>	Total	Wind	All Other
Fuel & Purchased Power	\$6	\$0	\$6
Production	40,361	15,436	24,925
Transmission	127,841	0	127,841
Distribution	841,297	0	841,297
Customer Accounting	79,828	0	79,828
Customer Service & Information	861	0	861
Sales	1,024	0	1,024
Administrative & General	22,934	0	22,934
<b>Total</b>	<b>\$1,114,152</b>	<b>\$15,436</b>	<b>\$1,098,716</b>

1/ Increase reflects changes in projected plant and proposed depreciation rates.

**MONTANA-DAKOTA UTILITIES CO.  
 FACILITIES CHARGE EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Per Books	Projected	
	2015	2016	2017
Transmission 1/	\$1,508,136	\$0	\$0
Distribution	26,614	26,614	26,614
Total	<u>\$1,534,750</u>	<u>\$26,614</u>	<u>\$26,614</u>

1/ Facility charge (or joint use) costs ceased during 2015 due to Basin Electric Cooperative becoming a member of the Southwest Power Pool.

**MONTANA-DAKOTA UTILITIES CO.  
 COMPANY CONSUMPTION  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDING DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

<b><u>Company Consumption - Total</u></b>	Per Books	Projected	
	2015	2016	2017
Production	\$31,464	\$26,860	\$27,006
Transmission	13,090	14,621	15,198
Distribution	179,864	184,066	189,471
Administrative & General	99,305	105,422	108,975
Total	\$323,723	\$330,969	\$340,650

<b><u>Company Consumption - Electric</u></b>	Per Books	Projected 1/	
	2015	2016	2017
Production	\$3,181	\$3,594	\$3,740
Transmission	12,544	14,172	14,749
Distribution	117,545	132,802	138,207
Administrative & General	77,261	87,289	90,842
Total	\$210,531	\$237,857	\$247,538

<b><u>Company Consumption - Gas</u></b>	Per Books	Projected	
	2015	2016 2/	2017
Production	\$28,283	\$23,266	\$23,266
Transmission	546	449	449
Distribution	62,319	51,264	51,264
Administrative & General	22,044	18,133	18,133
Total	\$113,192	\$93,112	\$93,112

1/ Based on increase of retail sales revenue.

2/ Decreased to reflect normalized volumes at current rates.

**MONTANA-DAKOTA UTILITIES CO.  
 POSTAGE EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDING DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Per Books	Projected	
	2015	2016	2017
<b>All Other</b>			
Production	\$2,056	\$2,056	\$2,056
Transmission	52	52	52
Distribution	12,686	12,686	12,686
Customer Accounting	330,719	322,563 1/	332,625 2/
Sales	16	16	16
Administrative & General	130,232	130,232	130,232
<b>Total</b>	<b>\$475,761</b>	<b>\$467,605</b>	<b>\$477,666</b>

	Per Books	Projected	
	2015	2016	2017
<b>Wind - Renewable Rider</b>			
Diamond Willow	\$323	\$323	\$323
Cedar Hills	82	82	82
Thunder Spirit	0	0	0
<b>Production</b>	<b>\$405</b>	<b>\$405</b>	<b>\$405</b>

<b>Per Books 2015</b>	Total	Wind	All Other
Production	\$2,461	\$405	\$2,056
Transmission	52	0	52
Distribution	12,686	0	12,686
Customer Accounting	330,719	0	330,719
Sales	16	0	16
Administrative & General	130,232	0	130,232
<b>Total</b>	<b>\$476,166</b>	<b>\$405</b>	<b>\$475,761</b>

1/ Adjusted 2016 to reflect annualization of 2015 year end ebill customers.  
 2/ Adjusted to reflect expected postage rate increase of 2.15% during 2017.

**MONTANA-DAKOTA UTILITIES CO.  
 UNCOLLECTIBLE ACCOUNTS EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Per Books	Projected	
	2015	2016	2017
Distribution	\$1,570	\$1,570	\$1,570
Customer Accounting 1/	626,222	572,406	591,073
Total	<u>\$627,792</u>	<u>\$573,976</u>	<u>\$592,643</u>

1/ Based on a three year average of net write-offs to projected revenues:

	Net Write Offs	Sales Revenue	% Write Off to Revenue
12 Months Ending December:			
2013	\$363,873	\$150,879,708	0.2412%
2014	497,328	170,406,761	0.2918%
2015	601,347	175,464,218	0.3427%
Total	<u>\$1,462,548</u>	<u>\$496,750,687</u>	0.2944%

Projected revenue is based on projected volumes at current rates, including revenue collected from all current riders.

	Expense	Revenue	
2016 Projected	\$572,406	\$194,431,391	0.2944%
2017 Projected	591,073	200,771,959	0.2944%

**MONTANA-DAKOTA UTILITIES CO.  
 ADVERTISING EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM -**

	Per Books	Projected	
	2015	2016	2017
Production 1/	\$1,094	\$0	\$0
Customer Service & Information 2/	97,009	92,376	92,376
Sales 3/	9,703	0	0
Administrative & General 4/	57,357	55,258	55,258
Total	<u>\$165,163</u>	<u>\$147,634</u>	<u>\$147,634</u>

- 1/ Advertising incorrectly charged to production expense. Eliminated in projected periods.
- 2/ **Informational** advertising adjusted to reflect 2016 expense and remove expense not applicable to North Dakota electric operations.
- 3/ **Promotional** advertising was eliminated.
- 4/ **Institutional** advertising adjusted to reflect 2016 expense and remove expense not applicable to North Dakota electric operations.

**MONTANA-DAKOTA UTILITIES CO.  
INDUSTRY DUES  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDED DECEMBER 31, 2015  
PROJECTED 2016 & 2017  
- INTERIM**

<u>Description</u>	<u>Per Books</u> 2015	<u>Projected</u>	
		2016 1/	2017
Ashley Chamber of Commerce	\$36	\$85	\$85
Avian Power Line Interaction Committee	3,321	1,661	1,661
Beach Area Chamber	85	89	89
Beulah Chamber of Commerce	650	675	675
Beulah Convention & Visitors Bureau	25	25	25
Bismarck-Mandan Convention & Visitors Bureau	273	273	273
Bismarck-Mandan Development Association	5,220	4,592	4,592
Bismarck-Mandan Home Builders Association	205	205	205
Bowman Area Chamber of Commerce	99	103	103
Consortium for Energy Efficiency	1,675	1,764	1,764
Dickinson Area Builders Association	175	183	183
Dickinson Area Chamber of Commerce	313	327	327
Dickinson Builders Exchange	51	53	53
Economic Development Assoc. of North Dakota	573	520	520
Edison Electric Institute	59,597	63,578	63,578
Elgin Community Betterment	50	50	50
Ellendale Chamber of Commerce	88	180	180
Hebron Business Club	13	13	13
Hettinger Area Chamber of Commerce	56	59	59
Kenmare Assoc. of Commerce	260	260	260
Lignite Energy Council	76,331	69,099	69,099
Linton Chamber of Commerce	27	64	64
Linton Industrial Development	13	40	40
Mandan Progress Organization	52	52	52
Midcontinent Independent System Operator	664	651	651
Midwest Energy Association	4,616	4,619	4,619
Mohall Chamber of Commerce	0	65	65
National Regulatory Research Institute	2,000	2,000	2,000
North Central Electric Association	8,448	9,453	9,453
North Dakota Ethanol Producers Association	287	287	287
North American Transmission Forum	18,252	14,925	14,925
Stanley Commercial Club	0	350	350
Stark Development Corporation	141	147	147
Theodore Roosevelt Expressway Association	0	230	230
Tioga Area Economic Corporation	100	100	100
Utilities Telecom Council	1,539	1,538	1,538
Utility Solid Waste Activities Group	13,140	11,065	11,065
Watford City Area Chamber of Commerce	0	600	600
Williston Area Chamber of Commerce	352	358	358
Williston Area Safety Association	250	80	80
Williston Economic Development	0	250	250
Other/Corporate Charges 2/	50,995	0	0
<b>Total</b>	<b>\$249,972</b>	<b>\$190,668</b>	<b>\$190,668</b>

1/ Reflects 2016 actual expense.

2/ Eliminated. Not applicable to North Dakota electric operations.

**MONTANA-DAKOTA UTILITIES CO.  
 INSURANCE EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Per Books	Projected	
	2015	2016 1/	2017 2/
Director's & Officer's Liability Insurance	\$82,423	\$105,300	\$110,565
Excess Liability:			
Fiduciary & Employee Benefits Liability	13,824	11,410	11,981
Public Liab. & Damage of Others	606,323	624,777	656,016
All Risk	409,795	427,851	449,244
Blanket Crime	3,896	5,287	5,551
Special Contingency	374	375	394
Hired and Non-Owned Aircraft Liability	98	105	110
Coyote Station	119,172	104,468	109,691
Big Stone Station	111,048	118,784	124,723
Self Insurance	135,461	146,869	154,212
Total Administrative & General	<u>\$1,482,414</u>	<u>\$1,545,226</u>	<u>\$1,622,487</u>

1/ Based on 2016 premiums.

2/ Reflects an increase of 5%.

**MONTANA-DAKOTA UTILITIES CO.  
 REGULATORY COMMISSION EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDING DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM.**

<b>All Other</b>	Per Books	Projected	
	2015	2016	2017
Ongoing Regulatory Comm. Exp. 1/	\$146,039	\$139,693	\$139,693
Rate Case Expense Amortization 2/	0	0	125,042
Total Administrative & General	<u>\$146,039</u>	<u>\$139,693</u>	<u>\$264,735</u>

<b>Transmission Cost Adjustment</b>	Per Books	Projected	
	2015	2016	2017
Administrative & General 3/	\$153,484	\$185,691	\$185,691

<b>Per Books 2015</b>	Total	TCA	All Other
Administrative & General	\$299,523	\$153,484	\$146,039

- 1/ Reflects a three year average of ongoing regulatory commission expense.  
 2/ Reflects a three year amortization of rate case expense.  
 3/ FERC assessment fees (MISO Schedule 10/SPP Schedule 12).

**MONTANA-DAKOTA UTILITIES CO.  
SOFTWARE MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDED DECEMBER 31, 2015  
PROJECTED 2016 & 2017  
- INTERIM -**

	Per Books	Projected	
	2015	2016 1/	2017 2/
Production	\$251,650	\$253,267	\$257,952
Transmission	130,438	123,791	126,081
Distribution	72,938	72,938	74,287
Customer Accounting	44,094	66,441	67,670
Administrative & General	362,919	485,597	494,581
Total	<u>\$862,039</u>	<u>\$1,002,034</u>	<u>\$1,020,571</u>

1/ Based on actual 2016 expenses.

2/ Increased to reflect inflation of 1.85%.

**MONTANA-DAKOTA UTILITIES CO.  
 ANNUAL EASEMENTS EXPENSE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDING DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM**

<b>All Other</b>	Per Books	Projected	
	2015	2016 1/	2017 2/
Transmission	\$37,354	\$37,799	\$38,498
Distribution	24,363	24,653	25,109
Total	<u>\$61,717</u>	<u>\$62,452</u>	<u>\$63,607</u>

<b>Wind - Renewable Rider</b>	Per Books	2016	2017
	2015		
Diamond Willow	\$57,757	\$55,212	\$55,212
Cedar Hills	39,985	38,648	39,338
Thunder Spirit	0	293,313	301,095
Production	<u>\$97,742</u>	<u>\$387,173</u>	<u>\$395,645</u>

<b>Per Books 2015</b>	Total	Wind	All Other
Production	\$97,742	\$97,742	\$0
Transmission	37,354	0	37,354
Distribution	24,363	0	24,363
Total	<u>\$159,459</u>	<u>\$97,742</u>	<u>\$61,717</u>

1/ Increased to reflect inflation of 1.19%.

2/ Increased to reflect inflation of 1.85%.

**MONTANA-DAKOTA UTILITIES CO.**  
**ALL OTHER O&M**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**TWELVE MONTHS ENDING DECEMBER 31, 2015**  
**PROJECTED 2016 & 2017**  
**- INTERIM REVISED-**

<b>All Other</b>	Per Books	Projected	
	2015	2016 1/	2017 2/
Fuel & Purchased Power	\$225	\$228	\$232
Production	770,595	779,765	794,191
Transmission	354,083	358,297	364,925
Distribution 3/	(205,191)	(188,010)	(191,966)
Customer Accounting	131,553	133,118	135,581
Customer Service & Information	9,759	9,875	10,058
Sales	65,728	66,510	67,740
Administrative & General 5/	2,486,836	3,558,983	3,624,824
<b>Total Other O&amp;M</b>	<b>\$3,613,588</b>	<b>\$4,718,766</b>	<b>\$4,805,585</b>

<b>Wind - Renewable Rider</b>	Per Books	Projected	
	2015	2016 4/	2017 2/
Diamond Willow	\$13,565	\$14,661	\$14,933
Cedar Hills	15,155	13,035	13,278
Thunder Spirit	1,101	19,618	20,096
<b>Production</b>	<b>\$29,821</b>	<b>\$47,314</b>	<b>\$48,307</b>

<b>Per Books 2015</b>	Total	Wind	All Other
Fuel & Purchased Power	\$225	\$0	\$225
Production	800,282	29,687	770,595
Transmission	354,083	0	354,083
Distribution 3/	(205,191)	0	(205,191)
Customer Accounting	131,553	0	131,553
Customer Service & Information	9,759	0	9,759
Sales	65,728	0	65,728
Administrative & General	2,486,970	134	2,486,836
<b>Total Other O&amp;M</b>	<b>\$3,643,409</b>	<b>\$29,821</b>	<b>\$3,613,588</b>

- 1/ Adjusted to reflect inflation of 1.19%, except A&G and distribution. A&G was adjusted to reflect the 2016 actual MDU Resources corporate allocation factor:  
 Responsibility 752 - Corporate Campus \$299,469  
 Responsibility 994 - Corporate Services - O&M \$823,223  
 Distribution was adjusted to reflect 2016 actual interest on customer deposits:  
 2016 \$19,623  
 2017 \$19,508

- 2/ Adjusted to reflect inflation of 1.85%.  
 3/ Includes capital installation credits of \$738,656.  
 4/ Based on three-year average for Diamond Willow and Cedar Hills and expected other expenses for Thunder Spirit.  
 5/ Pursuant to the Settlement Agreement in Case No. PU-10-124, 50% of per books 2015 Board of Director's fees and expenses have been excluded from the projected 2016 and 2017 expenses.

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDING DECEMBER 31, 2015  
ITEMS ADJUSTED INDIVIDUALLY  
- INTERIM**

Function	Per Books 2015	Fuel & Purchased Power	Labor	Benefits	Subcontract Labor	Big Stone/ Coyote	Materials
Fuel & Purchased Power	\$52,139,001	\$51,542,484	\$419,224		\$109,302	\$58,777	\$8,983
<u>Other O&amp;M</u>							
Production	\$19,091,877	\$1,063,177	\$6,264,650		\$2,362,407	\$6,881,932	\$1,294,657
Transmission	9,503,434	263,993	2,627,204		4,171,428	15,222	254,593
Distribution	10,256,881		6,030,040		2,455,215		817,485
Customer Accounting	2,624,990		1,343,978		67,377		1,219
Customer Service & Information	171,898		64,269				
Sales	114,458		37,986				1
Administrative & General	14,444,817		3,896,369	\$4,659,169	631,606		66,047
Total Other O&M	\$56,208,355	\$1,327,170	\$20,264,496	\$4,659,169	\$9,688,033	\$6,897,154	\$2,434,002
Total O&M	\$108,347,356	\$52,869,654	\$20,683,720	\$4,659,169	\$9,797,335	\$6,955,931	\$2,442,985

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**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDING DECEMBER 31, 2015  
ITEMS ADJUSTED INDIVIDUALLY  
- INTERIM**

Function	Vehicles & Work Equipment	Facilities Charge	Company Consumption	Postage	Uncollectible Accounts	Advertising	Industry Dues
Fuel & Purchased Power	\$6						
<u>Other O&amp;M</u>							
Production	\$40,361		\$31,464	\$2,461		\$1,094	
Transmission	127,841	\$1,508,136	13,090	52			
Distribution	841,297	26,614	179,864	12,686	\$1,570		
Customer Accounting	79,828			330,719	626,222		
Customer Service & Information	861					97,009	
Sales	1,024			16		9,703	
Administrative & General	22,934		99,305	130,232		57,357	\$249,972
Total Other O&M	\$1,114,146	\$1,534,750	\$323,723	\$476,166	\$627,792	\$165,163	\$249,972
Total O&M	\$1,114,152	\$1,534,750	\$323,723	\$476,166	\$627,792	\$165,163	\$249,972
See Page Number:	25	26	27	28	29	30	31

**MONTANA-DAKOTA UTILITIES CO.  
OPERATION & MAINTENANCE EXPENSE  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDING DECEMBER 31, 2015  
ITEMS ADJUSTED INDIVIDUALLY  
- INTERIM**

Function	Insurance	Regulatory Commission Expense	Software Maintenance	Annual Easements	Items Adjusted Individually	Total Items All Other O&M
Fuel & Purchased Power					\$52,138,776	\$225
<u>Other O&amp;M</u>						
Production			\$251,650	\$97,742	\$18,291,595	\$800,282
Transmission			130,438	37,354	9,149,351	354,083
Distribution			72,938	24,363	10,462,072	(205,191)
Customer Accounting			44,094		2,493,437	131,553
Customer Service & Information					162,139	9,759
Sales					48,730	65,728
Administrative & General	\$1,482,414	\$299,523	362,919		11,957,847	2,486,970
Total Other O&M	\$1,482,414	\$299,523	\$862,039	\$159,459	\$52,565,171	\$3,643,184
Total O&M	\$1,482,414	\$299,523	\$862,039	\$159,459	\$104,703,947	\$3,643,409
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**MONTANA-DAKOTA UTILITIES CO.**  
**DEPRECIATION EXPENSE AND AMORTIZATION**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2015**  
**PROJECTED 2016-2017**  
**- INTERIM REVISED -**

	Per Books	Projected 2016	Projected 2017
Steam Production	\$6,785,600	\$8,355,001	\$8,679,578
Other Production	5,574,595	11,939,810	11,915,295
Total Production	<u>\$12,360,195</u>	<u>\$20,294,811</u>	<u>\$20,594,873</u>
Transmission	3,344,524	3,463,429	3,762,039
Distribution	6,681,993	6,102,984	6,508,657
General	385,515	273,863	302,990
General - Intangible	219,695	334,461	477,615
Common	1,089,679	940,484	999,051
Common - Intangible	856,133	1,038,330	1,183,455
Amort. of Decomm. of Retired Plants	(39,226)	(39,226)	(39,226)
Amort. of Deferred Generation Costs	171,860	171,860	171,860
Total	<u><u>\$25,070,368</u></u>	<u><u>\$32,580,996</u></u>	<u><u>\$33,961,314</u></u>

**MONTANA-DAKOTA UTILITIES CO.**  
**ACCUMULATED RESERVE FOR DEPRECIATION**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**PROJECTED 2016**  
**- INTERIM REVISED -**

	Accumulated Reserve 12/31/2015	2016 Average Plant In Service 1/	Composite Rate 2/	Depreciation/ Amortization Existing Plant	Retirements/ Removal	Accumulated Reserve 12/31/2016	2016 Average Balance
Steam Production	\$159,534,536	\$338,259,152	2.47%	\$8,355,001	(\$1,603,159)	\$166,286,378	\$162,910,457
Other Production	14,392,897	106,204,079	3.03%	3,217,984	0	17,610,881	16,001,889
Wind Production	21,995,946	216,960,855	4.02%	8,721,826		30,717,772	26,356,859
Total Production	\$195,923,379	\$661,424,086		\$20,294,811	(\$1,603,159)	\$214,615,031	\$205,269,205
Transmission	\$64,327,996	\$201,362,135	1.72%	\$3,463,429	(\$865,256)	\$66,926,169	\$65,627,083
Distribution	\$78,267,081	\$256,427,886	2.38%	\$6,102,984	(\$2,478,797)	\$81,891,268	\$80,079,175
General							
Other	\$1,100,657	\$3,396,797	5.55%	\$188,522	(\$130,648)	\$1,158,531	\$1,129,594
Structures & Improvements	569,341	986,556	0.81%	7,991	(14,112)	563,220	566,281
Computer Equipment	254,916	394,239	19.62%	77,350	(16,521)	315,745	285,331
Transportation	2,340,454	5,666,433	5.36%	303,721	(228,340)	2,415,835	2,378,145
Work Equipment	3,133,191	9,211,940	5.39%	496,524	(359,448)	3,270,267	3,201,729
Total General	\$7,398,559	\$19,655,965		\$1,074,108	(\$749,069)	\$7,723,598	\$7,561,080
General - Intangible	\$1,151,435	\$3,015,222	4/	\$334,461	\$0	\$1,485,896	\$1,318,666
Common							
Other	\$2,180,106	\$6,086,174	5.88%	\$357,867	(\$121,072)	\$2,416,901	\$2,298,504
Structures & Improvements	6,811,057	23,439,793	0.85%	199,238	(248,664)	6,761,631	6,786,344
Computer Equipment	875,596	1,916,893	20.00%	383,379	(35,859)	1,223,116	1,049,356
Vehicles	1,338,859	3,133,847	6.65%	208,401	(57,250)	1,490,010	1,414,435
Work Equipment	0	0	0.00%	0	0	0	0
Total Common	\$11,205,618	\$34,576,707		\$1,148,885	(\$462,845)	\$11,891,658	\$11,548,639
Common - Intangible	\$7,277,028	\$16,075,169	4/	\$1,038,330	\$0	\$8,315,358	\$7,796,193
Acquisition Adjustment	\$7,499,515	\$7,499,515	0.00%	\$0	\$0	\$7,499,515	\$7,499,515
Amort. of Decomm. of Retired Plants	\$0	\$0	5/	(\$39,226)	\$0	5/	5/
Amort. of Deferred Generation Costs	\$0	\$0	6/	\$171,860	\$0	6/	6/
Total Accumulated Reserve	<u>\$373,050,611</u>	<u>\$1,200,036,685</u>		<u>\$33,589,642</u>	<u>(\$6,159,126)</u>	<u>\$400,348,493</u>	<u>\$386,699,556</u>
Book Depreciation Expense				<u>\$32,580,996</u> 3/			

1/ Please see page 51.

2/ Composite rates based on proposed depreciation rates by account.

3/ Excludes depreciation on vehicles and work equipment, which are charged to a clearing account.

4/ Amortization based on the life of each item.

5/ Amortization over 10 years. The balance is included in the Decommissioning of Retired Plants on Appendix B, page 49, 61 and 66.

6/ Amortization over 10 years.

**MONTANA-DAKOTA UTILITIES CO.**  
**ACCUMULATED RESERVE FOR DEPRECIATION**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**PROJECTED 2017**  
**- INTERIM REVISED -**

	Accumulated Reserve 12/31/2016	2017 Average Plant In Service 1/	Composite Rate 2/	2017		Accumulated Reserve 12/31/2017	2017 Average Balance
				Depreciation/ Amortization Expense	Retirements/ Removal		
Steam Production	\$166,286,378	\$351,399,907	2.47%	\$8,679,578	(\$1,711,781)	\$173,254,175	\$169,770,277
Other Production	17,610,881	107,044,037	3.03%	3,243,434	0	20,854,315	19,232,598
Wind Production	30,717,772	215,717,923	4.02%	8,671,861	0	39,389,633	35,053,703
Total Production	<u>\$214,615,031</u>	<u>\$674,161,867</u>		<u>\$20,594,873</u>	<u>(\$1,711,781)</u>	<u>\$233,498,123</u>	<u>\$224,056,578</u>
Transmission	\$66,926,169	\$218,723,187	1.72%	\$3,762,039	(\$947,003)	\$69,741,205	\$68,333,687
Distribution	\$81,891,268	\$273,472,996	2.38%	\$6,508,657	(\$2,649,761)	\$85,750,164	\$83,820,716
General							
Other	\$1,158,531	\$3,976,418	5.55%	\$220,691	(\$150,607)	\$1,228,615	\$1,193,573
Structures & Improvements	563,220	923,189	0.81%	7,478	0	570,698	566,959
Computer Equipment	315,745	381,351	19.62%	74,821	(16,122)	374,444	345,095
Transportation	2,415,835	5,911,042	5.36%	316,832	(240,841)	2,491,826	2,453,831
Work Equipment	3,270,267	10,384,327	5.39%	559,715	(403,301)	3,426,681	3,348,474
Total General	<u>\$7,723,598</u>	<u>\$21,576,327</u>		<u>\$1,179,537</u>	<u>(\$810,871)</u>	<u>\$8,092,264</u>	<u>\$7,907,932</u>
General - Intangible	\$1,485,896	\$4,314,311	4/	\$477,615	\$0	\$1,963,511	\$1,724,704
Common							
Other	\$2,416,901	\$6,379,266	5.88%	\$375,101	(\$126,026)	\$2,665,976	\$2,541,439
Structures & Improvements	6,761,631	21,887,470	0.85%	186,043	0	6,947,674	6,854,653
Computer Equipment	1,223,116	2,189,537	20.00%	437,907	(41,967)	1,619,056	1,421,086
Vehicles	1,490,010	3,590,413	6.65%	238,762	(69,985)	1,658,787	1,574,399
Work Equipment	0	0	0.00%	0	0	0	0
Total Common	<u>\$11,891,658</u>	<u>\$34,046,686</u>		<u>\$1,237,813</u>	<u>(\$237,978)</u>	<u>\$12,891,493</u>	<u>\$12,391,577</u>
Common - Intangible	\$8,315,358	\$17,535,683	4/	\$1,183,455	\$0	\$9,498,813	\$8,907,086
Acquisition Adjustment	\$7,499,515	\$7,499,515	0.00%	\$0	\$0	\$7,499,515	\$7,499,515
Amort. of Decomm. of Retired Plants	\$0	\$0	5/	(\$39,226)	\$0	5/	5/
Amort. of Deferred Generation Costs	\$0	\$0	6/	\$171,860	\$0	6/	6/
Total Accumulated Reserve	<u>\$400,348,493</u>	<u>\$1,251,330,572</u>		<u>\$35,076,623</u>	<u>(\$6,357,394)</u>	<u>\$428,935,088</u>	<u>\$414,641,795</u>

Book Depreciation Expense

\$33,961,314 3/

1/ Please see page 51.

2/ Composite rates based on proposed depreciation rates by account.

3/ Excludes depreciation on vehicles and work equipment, which are charged to a clearing account.

4/ Amortization based on the life of each item.

5/ Amortization over 10 years. The balance is included in the Decommissioning of Retired Plants on Appendix B, page 49, 61 and 66.

6/ Amortization over 10 years.

**MONTANA-DAKOTA UTILITIES CO.  
SUMMARY OF TAXES OTHER THAN INCOME  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDED DECEMBER 31, 2015  
PROJECTED 2016 & 2017  
- INTERIM REVISED-**

Type of Tax	Per Books	Projected	
	2015	2016	2017
<b>Ad Valorem:</b>			
Production	\$1,290,383	\$2,023,513	\$2,043,028
Transmission	832,634	1,171,969	1,264,170
Distribution	1,105,204	1,181,529	1,257,304
General	78,329	124,431	137,377
Common	224,886	212,654	218,173
Intangible	13,437	15,429	17,608
Total Ad Valorem Taxes	<u>\$3,544,873</u>	<u>\$4,729,525</u>	<u>\$4,937,660</u>
<b>O&amp;M Related Taxes - Other:</b>			
Payroll Taxes	\$1,454,289	\$1,482,240	\$1,533,525
Delaware Franchise	67,948	67,948	67,948
Total O&M Related Taxes	<u>\$1,522,237</u>	<u>\$1,550,188</u>	<u>\$1,601,473</u>
<b>Electric Production Taxes: 1/</b>			
Montana Electric	\$126,378	\$124,335	\$119,999
North Dakota - Wind TSW	0	332,916	332,365
North Dakota Coal Conversion	610,628	633,255	637,965
Total Electric Production	<u>\$737,006</u>	<u>\$1,090,506</u>	<u>\$1,090,329</u>
<b>Other:</b>			
Highway Use Tax	\$2,902	\$2,902	\$2,902
Secretary of State	938	938	938
Total Other	<u>\$3,840</u>	<u>\$3,840</u>	<u>\$3,840</u>
<b>Total Taxes Other Than Income</b>	<u><u>\$5,807,956</u></u>	<u><u>\$7,374,059</u></u>	<u><u>\$7,633,302</u></u>

1/ Projected 2016 & 2017 production taxes are based on projected generation level, capacity, and sales volumes, as applicable.

**MONTANA-DAKOTA UTILITIES CO.**  
**AD VALOREM TAXES**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**TWELVE MONTHS ENDED DECEMBER 31, 2015**  
**PROJECTED 2016 & 2017**  
**- INTERIM**

<u>Function</u>	<u>Effective Tax Rate</u>	<u>Plant Balance</u>	<u>Ad Valorem Tax</u>
		<u>Projected 2016</u>	
Production	0.3823%	\$529,299,670	\$2,023,513
Transmission	0.5569%	210,445,152	1,171,969
Distribution	0.4459%	264,976,119	1,181,529
General	0.6067%	20,509,416	124,431
Common	0.6327%	33,610,528	212,654
Intangible	0.0756%	20,408,603	15,429
Total		<u>\$1,079,249,488</u>	<u>\$4,729,525</u>
		<u>Projected 2017</u>	
Production	0.3823%	\$534,404,466	\$2,043,028
Transmission	0.5569%	227,001,221	1,264,170
Distribution	0.4459%	281,969,872	1,257,304
General	0.6067%	22,643,237	137,377
Common	0.6327%	34,482,843	218,173
Intangible	0.0756%	23,291,384	17,608
Total		<u>\$1,123,793,023</u>	<u>\$4,937,660</u>

Development of Effective Tax Rate:

<u>Function</u>	<u>Plant Balance @ 12/31/2015</u>	<u>Ad Valorem Tax @ 12/31/2015</u>	<u>Effective Tax Rate 3/</u>
Production 1/	\$505,437,620	\$1,290,383	0.3823%
Transmission	192,279,118	832,634	0.5569%
Distribution	247,879,653	1,105,204	0.4459%
General	18,802,512	78,329	0.6067%
Common	35,542,884	224,886	0.6327%
Intangible 2/	17,772,178	13,437	0.0756%
Total	<u>\$1,017,713,965</u>	<u>\$3,544,873</u>	

1/ Excludes Thunder Spirit Wind which is taxed via generation tax.

2/ General and common intangible.

3/ Effective tax rate is adjusted to reflect Montana property tax changes (increases related to RICE/MATS not in 2015 and operating income).

Increases: Production of \$642,060, Transmission of \$238,183 and General of \$35,752.

**MONTANA-DAKOTA UTILITIES CO.  
 PAYROLL TAXES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016 & 2017  
 - INTERIM REVISED-**

	Per Books	Projected	
	2015	2016	2017
Labor Expense 1/	\$20,683,720	\$21,084,490	\$21,814,013
Payroll Taxes	\$1,454,289	\$1,482,240	\$1,533,525
% Payroll Taxes to Labor	7.03%	7.03%	7.03%

1/ See page 19 for per books and projected straight time labor.

**MONTANA-DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
CALCULATION OF INCOME TAXES  
PROJECTED 2016 & 2017  
- INTERIM REVISED-**

	Projected	
	2016	2017
<u>Operating Revenues</u>		
Sales Revenues	\$194,431,391	\$200,771,959
Sales for Resale	0	0
Other Revenues	16,541,431	18,141,923
Total Operating Revenues	<u>210,972,822</u>	<u>218,913,882</u>
<u>Operating Expenses</u>		
Operation and Maintenance		
Cost of Fuel & Purchased Power	48,807,551	52,193,689
Other O&M	75,602,244	78,191,678
Total O&M	<u>124,409,795</u>	<u>130,385,367</u>
Depreciation and Amortization Expense	32,580,996	33,961,314
Taxes other Than Income	7,374,059	7,633,302
Total Operating Expenses	<u>164,364,850</u>	<u>171,979,983</u>
Operating Income	46,607,972	46,933,899
Adjustments to Taxable Income:		
AFUDC Equity Add Back	718,681	718,681
Interest Deduction 1/	<u>(16,713,481)</u>	<u>(16,692,627)</u>
Total Adjustments to Taxable Income	<u>(15,994,800)</u>	<u>(15,973,946)</u>
Net Taxable Income 2/	30,613,172	30,959,953
Federal & State Income Taxes	11,572,238	11,703,327
Production Tax Credits 3/	(9,392,334)	(9,355,667)
Full Normalization	(257,448)	(257,448)
Total Income Taxes	<u>\$1,922,456</u>	<u>\$2,090,212</u>

1/ Page 47.

2/ Based on book depreciation.

3/ Page 48.

**MONTANA-DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
INTEREST EXPENSE DEDUCTION  
PROJECTED 2016 & 2017  
- INTERIM REVISED-**

	Projected	
	2016	2017
Rate Base 1/	\$685,259,586	\$698,728,645
Weighted Cost of Debt 2/	2.439%	2.389%
Interest Expense	<u>\$16,713,481</u>	<u>\$16,692,627</u>

1/ Page 1.

2/ Statement D, page 1. Includes short and long-term debt.

**MONTANA-DAKOTA UTILITIES CO.  
 PRODUCTION TAX CREDIT  
 ELECTRIC UTILITY - NORTH DAKOTA  
 PROJECTED 2016 & 2017  
 - INTERIM**

	Projected	
	2016	2017
<u>Generation - Kwh</u>		
Diamond Willow	99,658,000	99,226,000
Cedar Hills	64,778,000	64,497,000
Thunder Spirit	427,266,000	425,669,000
Total	<u>591,702,000</u>	<u>589,392,000</u>
Production Tax Credit	(\$0.023)	(\$0.023)
Total Production Tax Credit	(\$13,609,146)	(\$13,556,016)
Factor 271 - Integrated Peak and Energy	69.014868%	69.014868%
Allocated to North Dakota	<u>(\$9,392,334)</u>	<u>(\$9,355,667)</u>

**MONTANA-DAKOTA UTILITIES CO.**  
**AVERAGE RATE BASE**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**TWELVE MONTHS ENDED DECEMBER 31, 2015**  
**PROJECTED 2016-2017**  
**- INTERIM REVISED -**

	2015	Projected		Reference
		2016	2017	
Plant in Service	\$1,016,400,756	\$1,200,036,685	\$1,251,330,572	Page 50
Accumulated Reserve for Depreciation	362,807,164	386,699,556	414,641,795	Page 60
Net Plant in Service	\$653,593,592	\$813,337,129	\$836,688,777	
CWIP AQCS - Big Stone	22,959,955	0	0	
Total Plant in Service	\$676,553,547	813,337,129	836,688,777	
<b>Additions</b>				
Materials and Supplies	\$10,250,012 1/	\$11,124,832	\$11,124,832	Page 61
Fuel Stocks	3,249,582 1/	3,464,841	3,464,841	Page 61
Prepayments	145,051 1/	661,572	663,551	Page 61
Unamortized Loss on Debt	3,210,633	2,895,242	2,510,584	Page 61
Decommissioning of Retired Plants	(238,621)	(199,395)	(160,169)	Page 61
Total Additions	\$16,616,657	\$17,947,092	\$17,603,639	
Total Before Deductions	\$693,170,204	\$831,284,221	\$854,292,416	
<b>Deductions</b>				
Accumulated Deferred Income Taxes	\$131,736,677	\$141,154,976	\$150,764,050	Page 68
Accumulated Investment Tax Credits	2,082,018	1,707,370	1,617,508	Page 69
Customer Deposits	0	351,608	349,547	Page 61
Customer Advances	2,711,826 1/	2,810,681	2,832,666	Page 61
Total Deductions	\$136,530,521	\$146,024,635	\$155,563,771	
Average Rate Base	\$556,639,683	\$685,259,586	\$698,728,645	

1/ Simple average of Beginning of Year and End of Year balance, not 13 month average.

MONTANA-DAKOTA UTILITIES CO.  
 PLANT IN SERVICE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2015  
 - INTERIM

Plant in Service	Per Books	Projected 2016 1/	Average 2016 1/	Projected 2017 1/	Average 2017 1/
Steam Production	\$327,175,210	\$349,343,093	\$338,259,152	\$353,456,720	\$351,399,907
Other Production	324,083,826	322,246,040	323,164,934	323,277,879	322,761,960
Total Production	<u>\$651,259,036</u>	<u>\$671,589,133</u>	<u>\$661,424,086</u>	<u>\$676,734,599</u>	<u>\$674,161,867</u>
Transmission	192,279,118	210,445,152	201,362,135	227,001,221	218,723,187
Distribution	247,879,653	264,976,119	256,427,886	281,969,872	273,472,996
General	18,802,512	20,509,416	19,655,965	22,643,237	21,576,327
Intangible Plant - General	2,431,901	3,598,543	3,015,222	5,030,079	4,314,311
Common	35,542,884	33,610,528	34,576,707	34,482,843	34,046,686
Intangible Plant - Common	15,340,277	16,810,060	16,075,169	18,261,305	17,535,683
Subtotal	<u>\$1,163,535,381</u>	<u>\$1,221,538,951</u>	<u>\$1,192,537,170</u>	<u>\$1,266,123,156</u>	<u>\$1,243,831,057</u>
Acquisition Adjustment	7,499,515	7,499,515	7,499,515	7,499,515	7,499,515
Total Plant in Service	<u><u>\$1,171,034,896</u></u>	<u><u>\$1,229,038,466</u></u>	<u><u>\$1,200,036,685</u></u>	<u><u>\$1,273,622,671</u></u>	<u><u>\$1,251,330,572</u></u>

**MONTANA-DAKOTA UTILITIES CO.**  
**PLANT IN SERVICE**  
**TWELVE MONTHS ENDING DECEMBER 31, 2015**  
**PROJECTED 2016-2017**  
**- INTERIM -**

	Per Books	Projected 2016			Average 2016	Projected 2017			Average 2017
		Additions 1/	Retirements 2/	Balance		Additions 1/	Retirements 2/	Balance	
Steam Production	\$327,175,210	\$23,771,042	(\$1,603,159)	\$349,343,093	\$338,259,152	\$5,825,408	(\$1,711,781)	\$353,456,720	\$351,399,907
Other Production	105,613,913	1,180,331	0	106,794,244	106,204,079	499,586	0	107,293,830	107,044,037
Wind Production	218,469,913	(3,018,117)	0	215,451,796	216,960,855	532,253	0	215,984,049	215,717,923
Total Production	\$651,259,036	\$21,933,256	(\$1,603,159)	\$671,589,133	\$661,424,086	\$6,857,247	(\$1,711,781)	\$676,734,599	\$674,161,867
Transmission Plant	\$192,279,118	\$19,031,290	(\$865,256)	\$210,445,152	\$201,362,135	\$17,503,072	(\$947,003)	\$227,001,221	\$218,723,187
Distribution	\$247,879,653	\$19,575,263	(\$2,478,797)	\$264,976,119	\$256,427,886	\$19,643,514	(\$2,649,761)	\$281,969,872	\$273,472,996
<u>General</u>									
Other	\$3,155,747	\$612,748	(\$130,648)	\$3,637,847	\$3,396,797	\$827,749	(\$150,607)	\$4,314,989	\$3,976,418
Structures & Improvements	1,049,922	37,743	(164,476)	923,189	986,556	0	0	923,189	923,189
Computer Equipment	399,066	6,867	(16,521)	389,412	394,239	0	(16,122)	373,290	381,351
Transportation	5,515,461	530,284	(228,340)	5,817,405	5,666,433	428,115	(240,841)	6,004,679	5,911,042
Work Equipment	8,682,316	1,418,695	(359,448)	9,741,563	9,211,940	1,688,828	(403,301)	11,027,090	10,384,327
Total General	\$18,802,512	\$2,606,337	(\$899,433)	\$20,509,416	\$19,655,965	\$2,944,692	(\$810,871)	\$22,643,237	\$21,576,327
General Intangible	\$2,431,901	\$1,166,642	\$0	\$3,598,543	\$3,015,222	\$1,431,536	\$0	\$5,030,079	\$4,314,311
<u>Common</u>									
Other	\$5,964,161	\$365,098	(\$121,072)	\$6,208,187	\$6,086,174	\$468,184	(\$126,026)	\$6,550,345	\$6,379,266
Structures & Improvements	24,992,115	130,703	(3,235,348)	21,887,470	23,439,793	0	0	21,887,470	21,887,470
Computer Equipment	1,766,431	336,782	(35,859)	2,067,354	1,916,893	286,333	(41,967)	2,311,720	2,189,537
Vehicles	2,820,177	684,590	(57,250)	3,447,517	3,133,847	355,776	(69,985)	3,733,308	3,590,413
Work Equipment	0	0	0	0	0	0	0	0	0
Total Common	\$35,542,884	\$1,517,173	(\$3,449,529)	\$33,610,528	\$34,576,707	\$1,110,293	(\$237,978)	\$34,482,843	\$34,046,686
Common Intangible	\$15,340,277	\$1,469,783	\$0	\$16,810,060	\$16,075,169	\$1,451,245	\$0	\$18,261,305	\$17,535,683
Acquisition Adjustment	\$7,499,515	\$0	\$0	\$7,499,515	\$7,499,515	\$0	\$0	\$7,499,515	\$7,499,515
<b>Total Plant in Service</b>	<b>\$1,171,034,896</b>	<b>\$67,299,744</b>	<b>(\$9,296,174)</b>	<b>\$1,229,038,466</b>	<b>\$1,200,036,685</b>	<b>\$50,941,599</b>	<b>(\$6,357,394)</b>	<b>\$1,273,622,671</b>	<b>\$1,251,330,572</b>

1/ Please see pages 52-59.

2/ Based on average retirements for 2013-2015.

**MONTANA-DAKOTA UTILITIES CO.**  
**PLANT ADDITIONS**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**PRO FORMA 2016 - 2017**  
**- INTERIM**

Project No.	Acct.	Description	2016	2017
<b><u>Steam Production</u></b>				
<b>Heskett</b>				
FP-100031	311	Replace Pavement - Heskett	\$50,813	\$109,844
FP-100032	311	Replace Asbestos Insulation - Heskett	0	90,825
FP-302567	311	Replace Rail Road Ties & Subgrade - Heskett	0	86,685
FP-100747	311	Minor Construction Projects - Heskett	2,471	0
FP-305341	311	Capture Capital Costs for Bldg Replace - Heskett	91,271	0
FP-100004	312	Purchase Bed Ash/Limestone Equipment - Heskett	6,388,859	0
FP-100226	312	Update Control Room - Heskett	78,140	0
FP-100492	312	Replace Precipitation Optimization System - Heskett	108,010	0
FP-100747	312	Minor Construction Projects - Heskett	322,210	338,827
FP-307241	312	Replace Sand Processor Control - Heskett U2	0	171,924
FP-310700	312	Replace LP Heater Bundle - Heskett U1	108,553	0
FP-311535	312	Replace Boiler Casing & Refractory - Heskett U1	0	128,405
FP-311577	312	Replace Air Heater Expansion Joint - Heskett U1	0	106,958
FP-312521	312	Replace ID Fan Rotor - Heskett U2	246,477	0
FP-314862	312	Replace Environmental System Corp Data Logger - Heskett	0	43,382
FP-100032	312	Replace Asbestos Insulation - Heskett	(77)	0
FP-100505	312	Install Material Handling Upgrade - Heskett	435	0
FP-307302	314	Replace Turbine Major Parts - Heskett U1	0	340,256
FP-314822	314	Replace Generator Collector Rings - Heskett U1	0	85,350
FP-314824	314	Install Lube Oil Purification Skid - Heskett U2	0	59,420
FP-100747	314	Minor Construction Projects - Heskett	9,273	0
FP-311601	314	Replace Exciter Board - Heskett U1	(152)	0
FP-100747	315	Minor Construction Projects - Heskett	8,028	0
FP-100308	316	Purchase Experion Console - Heskett	0	33,883
FP-100764	316	Minor Work Equipment - Heskett	20,499	0
FP-307262	316	Replace Plant Uninterruptible Power Supply - Heskett	0	216,411
FP-100747	316	Minor Construction Projects - Heskett	1,928	0
FP-100825	316	Trade CAT Skid Steer - Heskett	(155)	0
Total Heskett			\$7,436,583	\$1,812,170
<b>Lewis &amp; Clark</b>				
FP-100020	311	Install Fire Protection System - L&C	\$0	\$220,462
FP-314142	311	Install Potable Water Line - L&C	142,820	0
FP-314182	311	Install Scrubber Well Monitoring Network - L&C	56,992	0
FP-100363	311	Replace Lime Scrubber Ponds - L&C	4,215	0
FP-100365	312	Replace Ash Pump - L&C	28,303	0
FP-100382	312	FPM Pollution Control Equipment - L&C	991,294	0
FP-100749	312	Minor Construction Projects - L&C	306,438	296,474
FP-300237	312	Replace Both IP Drip Pumps - L&C	103,817	0
FP-307245	312	Replace APH Hot/Cold Baskets - L&C	182,279	0
FP-311255	312	Replace Coal Crusher Motor - L&C	43,065	0
FP-311477	312	Install Settling Tank For Concrete Ash - L&C	7,039,268	1,325,296
FP-311579	312	Rebuild Coal Mills - L&C	115,738	0
FP-311580	312	Rebuild Coal Mills - L&C	0	127,595
FP-200747	314	Purchase Circulating Water Pump - L&C	(128,854)	0
FP-302583	314	Replace Turbine Valve Parts - L&C	24,315	0
FP-100705	316	Minor Work Equipment - L&C	7,306	0
FP-302581	316	Replace Control System Computers - L&C	10,888	0
FP-100749	316	Minor Construction Projects - L&C	(85)	0
Total Lewis & Clark			\$8,927,799	\$1,969,827

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<b>Coyote</b>				
FP-302225	311	Replace Mercury Vapor Fixture - Coyote	\$9,523	\$9,467
FP-100757	312	Minor Construction Projects - Coyote	245,627	138,952
FP-300130	312	Add Overfire Air NOX Control - Coyote	0	836,800
FP-301801	312	Replace Lower Boiler Wall - Coyote	3,311,177	0
FP-302224	312	Replace Boiler Insulation - Coyote	126,484	56,398
FP-302231	312	Replace Conveyor - Coyote	10,868	5,324
FP-302235	312	Blue Pit Capping & Phase Development - Coyote	0	74,158
FP-302236	312	Replace Air Heater Hot & Interm. Baskets - Coyote	311,229	0
FP-307150	312	Replace LP Feedwater Heater - Coyote	189,578	0
FP-307151	312	Coal Creek Mine Capital Additions - Coyote	944,466	0
FP-311341	312	Replace Circulating Water Pump - Coyote	222,301	0
FP-100009	312	MATS Compliance Project - Coyote	(55)	0
FP-100027	312	Rebuild Coal Mills - Coyote	79,186	0
FP-100394	312	Auxiliary Boiler Controls to Ovation - Coyote	(384)	0
FP-301803	312	Replace Sootblowers - Coyote	2,622	0
FP-309080	312	Boiler Feed Pump Repair - Coyote	294,177	0
FP-301802	314	Replace Clarifier with MIC Filtration - Coyote	135,244	0
FP-302229	314	Replace Surge Pond Pump - Coyote	27,357	27,809
FP-311339	314	Replace Air Heater Inlet Expansion Joint - Coyote	45,781	0
FP-301800	314	Replace Gas Recirculating Fan - Coyote	288	0
FP-100757	315	Minor Construction Projects - Coyote	11	0
FP-302227	315	Replace General Transmitter - Coyote	(342)	0
FP-100710	316	Minor Work Equipment - Coyote	18,879	49,796
FP-100713	316	Personal Computers - Coyote	2,726	2,746
FP-100714	316	Vehicles - Coyote	6,107	5,858
FP-302230	316	Replace PLC-5 Controls - Coyote	42,247	20,827
FP-311343	316	Upgrade Ovation Evergreen software- Coyote	112,236	0
FP-311350	316	Replace Grove Hydraulic Crane - Coyote	0	65,987
Total Coyote			\$6,137,333	\$1,294,122
<b>Big Stone</b>				
FP-100281	312	AQCS Project - BSP	\$979,988	\$3,589
FP-100759	312	Minor Construction Projects - BSP	183,000	218,708
FP-300119	312	Replace Dust Collector System - BSP	618	0
FP-302201	314	Add 3rd Level Catalyst Scrubber - BSP	0	330,774
FP-307141	314	Replace Main Station Sump Pump - BSP	6,860	0
FP-311376	314	Replace Brine Recirculating Pump - BSP	0	54,879
FP-311377	314	Replace IK Soot blowers - BSP	19,197	0
FP-311379	314	Replace IK Soot blowers 2017 - BSP	0	30,600
FP-314942	314	Upgrade Turbine Deck Crane Controls - BSP	0	61,854
FP-100759	314	Minor Construction Projects - BSP	(1,732)	0
FP-100759	315	Minor Construction Projects - BSP	73,223	0
FP-200758	315	Replace Water Sample Panel - BSP	111	0
FP-100870	316	Personal Computers - BSP	3,734	3,325
FP-100871	316	Vehicles - BSP	4,328	7,231
FP-311381	316	Replace Air Dryer & Compressor - BSP	0	38,329
Total Big Stone			\$1,269,327	\$749,289
Total Steam Production			\$23,771,042	\$5,825,408

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<b><u>Other Production</u></b>				
FP-100881	344	Minor Construction Projects - Glendive	\$17,968	\$66,071
FP-100888	346	Minor Work Equipment - Glendive	0	14,646
FP-302467	342	Modified Hot Gas Path - Miles City	0	330,774
FP-303100	342	Replace foundation, piping, pump & cages - Miles City	2,702	0
FP-100880	344	Minor Construction Projects - Miles City	7,187	45,742
FP-307454	344	Minor Construction Projects - Portable Generators	7,690	0
FP-100878	344	Minor Construction Projects - Ormat	65,104	42,353
FP-314702	341	Enhance Security - Heskett U3	46,218	0
FP-101667	344	Install 88 MW Combustion Turbine - Heskett U3	(696,357)	0
FP-101667	346	Install 88 MW Combustion Turbine - Heskett U3	(110,072)	0
FP-306561	342	Install RICE Units - L&C	53,793	0
FP-306561	344	Install RICE Units - L&C	1,786,098	0
FP-300105	341	Add Shop/Office Building - Diamond Willow	151,896	0
FP-100879	344	Minor Construction Projects - Diamond Willow	57,282	89,475
FP-311902	344	Replace Gearbox 2017 - Diamond Willow	0	332,968
FP-311621	344	Replace Tower #10 Gearbox - Diamond Willow	8,213	0
FP-311903	345	Upgrade Human Machine Interface - Diamond Willow	126,483	0
FP-100877	344	Minor Construction Projects - Cedar Hills	43,479	69,140
FP-311906	345	Upgrade Human Machine Interface - Cedar Hills	126,483	0
FP-308840	344	Plant Additions - Thunder Spirit	1,914,666	0
FP-308840	344	Plant Transfers to Transmission - Thunder Spirit	(5,446,619)	0
FP-311911	344	Minor Construction Projects - Thunder Spirit	0	40,670
Total Other Production			(\$1,837,786)	\$1,031,839
<b><u>Transmission</u></b>				
FP-313182	350.2	Purchase Easement at Memorial Bridge - Bismarck	\$168,229	\$0
FP-100025	353	Replace Relays - New England Jct Sub	61,065	0
FP-100105	353	Replace 87T1 Relay & SATCLCK - E Bismarck Sub	0	36,024
FP-100106	353	Upgrade Relays - Elgin Jct Sub	366,039	0
FP-100114	353	Replace Relays - Coyote Sub	234,713	0
FP-100118	353	Upgrade South 115kV Heskett Loop	54,477	0
FP-100177	353	Add 115kV Bay Ellendale Junction	0	896,484
FP-200003	353	Electric Minor Transmission Sub - ND	303,311	200,362
FP-200766	353	Replace Auxiliary Transformer - Heskett Unit 1	85,864	0
FP-200777	353	Upgrade Kenmare 115/57kV Substation	(79,992)	371,652
FP-200916	353	Add 115/69kV Bay at Stanley REC	0	1,033,003
FP-300155	353	Install Wishek Junction Reactor	778,545	0
FP-300240	353	Baker Jct - Add 115/57 Transformer, Bay & Relay	1,670,730	0
FP-302607	353	Add - Circuit Switch - Glen Ullin/Ormat	0	172,144
FP-307543	353	Replace Auxiliary Transformer - L&C Station	36,534	0
FP-307544	353	Replace Heskett 230/115kV Auto Transformer	0	2,095,432
FP-311626	353	Install Security System - Little Muddy Sub	0	157,562
FP-311659	353	Replace Replay 46kV Dickinson Basin Sub	(14,583)	0

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Project No.	Acct.	Description	2016	2017
FP-314121	353	Purchase Spare Transformer Bismarck	0	471,634
FP-315427	353	Replace 4 Revenue Meters on Glendive Unit 1 & 2	0	33,224
FP-100112	353	Upgrade Line Relays - Glendive CT	91,551	0
FP-100123	353	Upgrade Breaker 7010 Relays - Heskett Sub	7,372	0
FP-100124	353	Upgrade Relays Heskett to Sweet Avenue Sub	135,374	0
FP-100191	353	Replace relay at Wishek for Merricourt Wind Farm	16,158	0
FP-100270	353	Add 46kv MTR CTS at Glen Ullin	2,648	0
FP-100271	353	Add 115kv MTR CTS at Coyote	2,996	0
FP-101524	353	Electric Communication Equipment	3,055	0
FP-101659	353	Construct Collins 115kv Jct Sub - Mandan	(893)	0
FP-101660	353	Replace Relay at Tatanka for Merricourt Wind Farm	5,099	0
FP-300162	353	Add 230kv Bay Hettinger Jct Sub	638,496	0
FP-302381	353	Replace Electric SCADA RTUS - GO	48,737	0
FP-306561	353	Install RICE Units - L&C	4,066	0
FP-308840	353	Substation - Transfer from Generation - Thunder Spirit	4,999,625	0
FP-101668	355	Install 115kV Line to South 9th Street Sub - Bismarck	495,117	0
FP-200790	355	Reroute - Crosby - Zahl TL019-1	0	266,681
FP-200917	355	Williston Water Plant 60kV	0	523,096
FP-300152	355	Reroute Beulah To Heskett	0	320,686
FP-300248	355	Install Ellendale - Leola Transmission Line	0	9,294,939
FP-300252	355	Install 46kV Collins Sub to Tesoro Sub	0	(14,957)
FP-302524	355	Construct 46kV Sub - Hebron	0	376,783
FP-303300	355	Raise Bismarck - Wishek 115kV - NERC	25,163	0
FP-307280	355	Replace 46kV Elgin To Heil Transmission Line	0	0
FP-307484	355	Replace 10 Miles Of TL212-1 for SD DOT	3,165	0
FP-307646	355	Construct 34.5kV Line to Watford City NW Sub	314,117	0
FP-309180	355	Relocate TL011-1 for ND DOT	553,438	0
FP-311993	355	Install Motor Oper. Switches & Fault Ind. TL403-1	0	167,930
FP-313564	355	Replace TL071-1 to Up-rate Line	(56,479)	0
FP-314261	355	Relocate TL156-1 Williston	0	291,436
FP-315008	355	Replace 115 Structures on TL089-1 Storm Damage	3,289,180	0
FP-315546	355	Increase Ratings on 115kV Bismarck Loop	0	169,230
FP-100021	355	Replace Switch, Ray-Kincaid TL006-1, 60kv	(3,250)	0
FP-100893	355	Elect Minor Trans Lines - Dak Hrtld ND	13,167	0
FP-100895	355	Elect Minor Trans Lines - Badlands ND	25,919	0
FP-200785	355	Raise Beulah to Dickinson 115kv Line	(162)	0
FP-200789	355	Install 115kv Line Kenmare to Lignite	1,120,043	0
FP-200915	355	Add 9 Miles TL156-1 Little Muddy	375,405	0
FP-200921	355	Replace Dickinson 46kV Line	789,581	0
FP-300162	355	Add 230kv Bay Hettinger Jct Sub	(11,846)	0
FP-302529	355	Reconfigure TL408-1 Hebron	318	0
FP-306180	355	Relocate TL011-1 for Billings & Stark Cnty Road Work	(1,247)	0
FP-308840	355	Trans Line - Transfer from Generation - Thunder Spirit	293,111	0
FP-309181	355	Relocate TL011-5 for ND DOT	276,534	0
FP-313161	355	Replace 35 structures on TL126-1 Storm Damage	182,268	0
FP-100052	356	Install Lightning Protection	300,000	359,667
FP-100893	356	Elect Minor Trans Lines - Dak Hrtld ND	123,145	103,222
FP-100895	356	Elect Minor Trans Lines - Badlands ND	327,613	176,838
FP-307483	356	Replace Conductor TL059-1 Beulah to Coyote	461,233	0
FP-308840	356	OH Conductor - Transfer from Generation - Thunder Spirit	153,883	0
FP-312642	356	Replace OPGW, WAPA Sub to Little Muddy Sub	362,658	0
Total Transmission			\$19,031,290	\$17,503,072

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<b><u>Distribution</u></b>				
FP-307661	360.1	Construct Wishek 41.6/4.16Kv Sub	\$724	\$0
FP-100186	362	Replace 20 Reclosers for Arc Flash	383,551	0
FP-100249	362	Construct 115/12kV S 9 St Sub - Bismarck	0	1,037,591
FP-100353	362	Add Regulator to Oilfield Subs	0	120,361
FP-100473	362	Install Distribution Sub - West Williston	0	0
FP-100899	362	Elect Minor Dist Subs - Dak Hrtld ND	500,646	294,650
FP-100901	362	Elect Minor Dist Subs - Badlands ND	369,383	235,720
FP-101541	362	Purchase Dist Sub Automation Equipment - GO	0	1,584,596
FP-200700	362	Purchase 2 Sets 2500V Regulators - Badlands	36,238	0
FP-302782	362	Replace 46/12Kv - Indian Head Mine Sub	0	0
FP-302785	362	Growth - Williston Halliburton Sub	714,678	0
FP-307645	362	Construct Watford City Dist Sub	531,853	0
FP-307648	362	Construct Williston Oasis Sub	704,310	0
FP-307652	362	Replace Crosby Substation	0	546,195
FP-307655	362	Purchase Mobile Sub 57X41.6/7.2X2.4	0	0
FP-307656	362	Replace Glen Ullin 41.6/4.16kV Transformer	112,909	0
FP-307657	362	Replace Transformer/Regulator - Bismarck Range Sub	143,385	0
FP-307661	362	Construct Wishek 41.6/4.16kV Sub	370,864	0
FP-307662	362	Replace Transformers/Regulators - Ashley Sub	242,942	0
FP-309400	362	Construct Waste Water Sub - Williston	578,280	0
FP-309840	362	Construct Phase 2 Harvest Hills Sub	245,353	0
FP-311986	362	Install SEL Relays Stein Sub - Bismack	0	48,858
FP-311987	362	Install SEL Relays Century Sub - Bismarck	42,836	0
FP-311988	362	Install SEL Relays Burlington Northern - Mandan	0	48,044
FP-311989	362	Install Arc Flash Front Ave Sub - Bismarck	42,979	0
FP-311991	362	Rebuild Heil Substation	0	361,881
FP-312163	362	Replace Regulators Watford City S Sub	36,587	0
FP-312164	362	Install Regulators Marmarth Sub	45,002	0
FP-312165	362	Replace Regulators Hettinger North Sub	80,356	0
FP-312167	362	Install Regulators to Zahl Sub	53,661	0
FP-312169	362	Install Reclosers Kenmare West Sub	96,631	0
FP-312170	362	Install Recloser Kenmare East Sub	64,424	0
FP-312172	362	Purchase Spare Transformer 1500 kVA - Badlands	143,270	0
FP-312173	362	Purchase Spare Transformer 5000 kVA - Badlands	0	207,995
FP-312261	362	Replace Regulators Stanley Sub	53,750	0
FP-312681	362	Purchase Spare Transformer - Coyote Creek	392,909	0
FP-100244	362	Construct Collins Distribution Sub - Mandan	1,013	0
FP-100303	362	Replace 26th & Avenue D Sub with 115kv	1,108	0
FP-302783	362	Replace transformers at Halliday	(28)	0
FP-304141	362	Purchase & Install Reclosers in Belfield and Killdeer	828	0
FP-307860	362	Purchase 7.5 MVA Transformer for Badlands Region	90,303	0
FP-313427	362	Purchase 5 MVA Transformer as a Williston Spare	53,901	0
FP-313428	362	Purchase 3.75 MVA Transformer as a Williston Spare	41,180	0
FP-311526	364	Mods To 41.6kV for Dist Use - Mandan	0	63,753
FP-315002	364	Replace Poles Hazelton/Napoleon Storm Damage	112,573	0
FP-100768	364	OH & UG Lines - Dak Hrtld - Growth ND	51,985	0
FP-100771	364	OH & UG Lines - Badlands - Replace ND	10,141	0
FP-100772	364	OH & UG Lines - Badlands - Growth - ND	45,026	0
FP-100955	364	OH & UG Lines - Dak Hrtld - Replace ND	809	0
FP-300485	364	Rebuild Ray to Epping Line	67,986	0
FP-100548	365	Replace Distribution Recloser - Arc Flash	374,751	0

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FP-311900	365	Install Neutral 22kV Line - Lignite	167,280	0
FP-313061	365	Upgrade Tioga OH Line - Williston	181,520	0
FP-313121	365	Replace OH Lines - Richardton	55,118	0
FP-314023	365	Install OH at Zahl - Williston	0	42,289
FP-100771	365	OH & UG Lines - Badlands - Replace ND	912	0
FP-100772	365	OH & UG Lines - Badlands - Growth - ND	5,789	0
FP-100955	365	OH & UG Lines - Dak Hrtld - Replace ND	6,673	0
FP-306496	365	Reconductoring Feeders U1 & F1 at Crosby	1,706	0
FP-310080	365	Replace OH Line - Williston Little Muddy	243,387	0
FP-312981	365	Replace OH Line over Cherry Creek - Watford City	74,047	0
FP-100506	367	Replace NX Fuse Peds 2013 - 15	64,168	0
FP-100768	367	OH & UG Lines - Dak Hrtld - Growth - ND	793,210	978,238
FP-100771	367	OH & UG Lines - Badlands - Replace - ND	1,395,335	2,083,262
FP-100772	367	OH & UG Lines - Badlands - Growth - ND	1,911,662	2,810,961
FP-100955	367	OH & UG Lines - Dak Hrtld - Replace - ND	788,348	978,238
FP-305041	367	Install Distribution Facilities for Dickinson Hills	0	0
FP-307149	367	Replace Feeder 782 Stein Sub - Bismarck	76,518	117,860
FP-307153	367	Replace URD Wachter & Washington Bismarck	48,517	0
FP-307155	367	Construct Feeder Out of South 9th Sub - Bismarck	0	178,483
FP-311518	367	Install Circuit Tie Sunrise - Century Bismarck	64,450	0
FP-311519	367	Install Circuits - 9th St Sub - Bismarck	75,088	0
FP-311525	367	Install URD - New Mandan Sports Complex	22,527	53,037
FP-311582	367	Upgrade Circuit at Collins Ave Sub	175,000	0
FP-311639	367	Reconfigure Circuit 6169 NW Sub - Dickinson	267,204	0
FP-311640	367	Extend Curcuit 5983 to North Dickinson	107,089	0
FP-311914	367	Replace I94 Primary Dickinson	0	266,170
FP-311976	367	Install New Circuit Harvest Hills North	475,245	0
FP-312039	367	Replace UG North Washington - Bismarck	86,000	0
FP-313841	367	Replace OH to UG - 1533 N 12th St - Bismarck	(30,000)	0
FP-314041	367	Install UG Meadowlands Trailer Court - Mandan	58,928	0
FP-314342	367	Extend 3-Phase UG to a Nursing Home - SE Mandan	86,567	0
FP-314441	367	Replace UG Line Front St - Williston	177,642	0
FP-314984	367	Install Distribution Line from New 69 Sub - Heil	0	296,714
FP-314985	367	Install 3Phase Distribution to JMAC - Bismarck	0	350,726
FP-314988	367	Replace Old Cable on Capitol Ave - Bismarck	0	106,546
FP-315243	367	Install Circuit b/t Harvest Hills & Oasis Subs - Williston	0	674,419
FP-100099	367	Install Circuits at Collins Sub - Mandan	2,998	0
FP-302487	367	Install new URD feeder from Sunrise Sub - Bismarck	121	0
FP-304061	367	Install UG Distribution for Emerald Ridge - Watford City	15,367	0
FP-304200	367	Install Feeders to Fair Hills & Granit Peak - Williston	(15,454)	0
FP-304924	367	Install Feeder from SW Sub to South Park - Watford City	4,941	0
FP-307205	367	Install UG Conductor for Airport Loop - Watford City	23,311	0
FP-307206	367	Install UG Conductor for Emerald Loop - Watford City	(3,195)	0
FP-308280	367	Install UG to High School & Event Center - Watford City	4,941	0
FP-312161	367	Install UG Conductor for Fox Hills Loop - Watford City	5,536	0
FP-312162	367	Install UG for New School - Dickinson	2,134	0
FP-301340	368	Replace Electric Transformer	2,828,178	3,346,811
FP-311736	368	Replace PCB Transformers	334,878	346,028
FP-100785	368	Elect Service Lines Growth - Dakota Heartlands, ND	281,320	383,045
FP-100792	368	Elect Service Lines Growth - Badlands, ND	481,500	698,321
FP-311081	368	Elect Service Lines Replace - Dakota Heartlands, ND	64,200	88,395
FP-311085	368	Elect Service Lines Replace - Badlands, ND	108,070	166,110
FP-100785	369	Elect Service Lines Growth - Dakota Heartlands, ND	53,274	0

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FP-100792	369	Elect Service Lines Growth - Badlands, ND	163,997	0
FP-311081	369	Elect Service Lines Replace - Dakota Heartlands, ND	12,633	0
FP-311085	369	Elect Service Lines Replace - Badlands, ND	32,539	0
FP-100794	370	Electric Meters	573,430	786,423
FP-100797	371	Street & Yard Lights - Dakota Heartlands, ND	6,500	0
FP-100799	371	Street & Yard Lights - Badlands ND	30,903	0
FP-100797	373	Street & Yard Lights - Dakota Heartlands, ND	31,581	53,037
FP-100799	373	Street & Yard Lights - Badlands, ND	312,533	288,757
		Total Distribution	<u>\$19,575,263</u>	<u>\$19,643,514</u>
		<b><u>General</u></b>		
FP-312082	G390	Construct Berm/Gravel to Site - Kenmare	\$30,300	\$0
FP-314722	G390	Replace Roof Storage Shed Site - Mohall	7,443	0
FP-100002	G391.3	Upgrade EMS/Sun Computer System	6,867	0
FP-100810	G392.2	Vehicles - Electric Utility	530,284	428,115
FP-100819	G394.1	Elect Minor Work Equip - Dakota Heartlands, ND	16,502	31,076
FP-100821	G394.1	Electric Minor Work Equip - Badlands, ND	58,708	59,198
FP-311912	G394.1	Minor Work Equipment Substation	47,596	110,336
FP-100825	G394.1	Electric Work Equipment	(661)	0
FP-312083	G395	Purchase Substation Meter Test Equip	7,040	0
FP-311912	G395	Minor Work Equipment Substation	82,511	0
FP-100825	G396.2	Electric Work Equipment	1,418,695	1,688,828
FP-100005	G397.4	Replace GO Power Line Carrier	31,827	35,057
FP-100833	G397.1	Electric Communication Equip - Bismarck, ND	60,544	44,693
FP-100837	G397.1	Electric Communication Equip - Dickinson, ND	8,898	0
FP-101524	G397.2	Electric Communication Equipment	77,662	79,556
FP-100002	G397.6	Upgrade EMS/Sun Computer System	43,441	21,929
FP-302381	G397.6	Replace Electric SCADA RTUS - GO	178,680	213,799
FP-311921	G397.6	Upgrade OSI EMS SCADA - GO	0	232,105
		Total General	<u>\$2,606,337</u>	<u>\$2,944,692</u>
		<b><u>General Intangible</u></b>		
FP-307004	G303	Purchase Electric Analytics - GO	\$0	\$243,219
FP-307783	G303	Purchase Substation Database Software - GO	575,000	200,000
FP-309100	G303	Install Distribution SCADA - GO	0	988,317
FP-312056	G303	Upgrade GIS Data Addition SCADA - GO	551,313	0
FP-313081	G303	Add nMarket for SPP - GO	40,329	0
		Total General Intangible	<u>\$1,166,642</u>	<u>\$1,431,536</u>
		<b><u>Common</u></b>		
FP-306916	C390	Replace Roof on Annex Building - Bismarck	\$29,997	\$0
FP-311919	C390	Demolish Warehouse - Glen Ullin	14,137	0
FP-314282	C390	Site Grading Warehouse Yard - Dickinson	3,886	0
FP-100377	C390	Build Williston Office	(1,981)	0
FP-100755	C390	Office Structures & Equipment	5,778	0
FP-301820	C390	New Office - Watford City	(327)	0
FP-307506	C390	Install Card Access System - Bismarck Svc. Center	2,365	0
FP-308560	C390	Install DryVit System on Building - Tioga	7,928	0
FP-311098	C390	Replace Multistack Water Cooled Chiller Unit - GO	55,240	0
FP-311499	C390	Install Warehouse Driveway - Dickinson	5,551	0
FP-313764	C390	Remodel Bismarck Svc. Center for GIS Dept. - Bismarck	8,129	0
FP-100014	C391.3	Toughbook Replacements - MobileUp	0	71,563

**MONTANA-DAKOTA UTILITIES CO.**  
**PLANT ADDITIONS**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**PRO FORMA 2016 - 2017**  
**- INTERIM**

Project No.	Acct.	Description	2016	2017
FP-100756	C391.3	Personal Computers	244,289	81,786
FP-307540	C391.3	Replace Data Center / Networking Equipment	68,725	30,670
FP-311620	C391.3	Purchase Field GIS Survey Devices	0	102,314
FP-100753	C391.3	Common Office Equipment - Badlands, ND	(57)	0
FP-313271	C391.3	Purchase 6 FC300 for Meter Reading - Williston	23,825	0
FP-100752	C391.1	Common Office Equipment - Dakota Heartlands, ND	2,172	2,191
FP-100753	C391.1	Common Office Equipment - Badlands, ND	28,965	29,220
FP-100755	C391.1	Office Structures & Equipment	37,964	116,041
FP-313744	C391.1	Purchase Office Equipment - GIS Bismarck Svc Center	11,668	0
FP-313548	C391.1	Purchase Cabinets for Electric Engineering - GO	3,580	0
FP-314022	C391.1	Install Shelving in Warehouse - Williston	4,539	0
FP-100719	C392.2	Common Vehicles - Company	684,590	355,776
FP-100718	C394.1	Common Minor Work Equipment - GO	7,094	12,268
FP-100735	C394.1	Common Minor Work Equip - Dakota Heartlands, ND	2,172	3,652
FP-100736	C394.1	Common Minor Work Equip - Badlands, ND	3,259	29,220
FP-313266	C394.1	Purchase Lifeline System - Williston	398	0
FP-313267	C394.1	Purchase LifeLine System for Warehouse - Watford City	1,824	0
FP-307441	C397.3	Upgrade CISCO VOIP	2,365	4,089
FP-302563	C397.3	Replace District Phone Systems with CISCO VOIP	19,226	0
FP-100729	C397.1	Common Communication Equip - Dakota Heartlands, ND	14,959	27,885
FP-100739	C397.1	Common Communication Equip - Badlands, ND	11,123	19,435
FP-100744	C397.1	Common Communication Equip - GO	171,305	165,971
FP-311918	C397.1	Replace FN Communication Control Units	19,773	0
FP-300071	C397.2	Replace Mobile Collectors	0	58,212
FP-307540	C397.8	Replace Data Center / Networking Equip	16,564	0
FP-313782	C397.8	Network Equip for GIS Dept. Relocation - Bis Srvc Ctr	5,678	0
FP-100755	C398	Office Structures & Equipment	470	0
		Total Common	\$1,517,173	\$1,110,293
		<b><u>Common Intangible</u></b>		
FP-100336	C303	Upgrade GLE Essentials Software	\$306,621	\$102,233
FP-100575	C303	Upgrade IVR - Web Soft	0	649,590
FP-200709	C303	Purchase Environmental Computer Software	32,429	0
FP-301563	C303	MDU GIS Data Conversion	466,202	240,808
FP-302570	C303	CC&B Upgrade	0	186,445
FP-302611	C303	PowerPlan Upgrade	474,556	0
FP-302615	C303	Upgrade Human Capital Management Software	28	72,477
FP-302618	C303	JDE Upgrade	101,629	0
FP-303201	C303	Replace Personal Information Security	29,967	10,000
FP-311881	C303	Upgrade PCAD to Version 6.5	0	189,692
FP-100256	C303	Upgrade Mobile Workforce Software	3,911	0
FP-100744	C303	Common Communication Equip - GO	2,875	0
FP-101673	C303	Replace Customer Information System Software	2,012	0
FP-200714	C303	Upgrade GIS Enhance Software	22,413	0
FP-200902	C303	Upgrade EndPoint Link Pro to Field Deployment Mgr.	21,509	0
FP-307421	C303	Implement PowerPlan CPI Tax Calculation Software	5,631	0
		Total Common Intangible	\$1,469,783	\$1,451,245
		<b>Total Plant Additions</b>	<b>\$67,299,744</b>	<b>\$50,941,599</b>

**MONTANA-DAKOTA UTILITIES CO.  
ACCUMULATED RESERVE FOR DEPRECIATION  
ELECTRIC UTILITY - NORTH DAKOTA  
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2015  
PROJECTED 2016-2017  
- INTERIM**

	Per Books	Projected 2016 1/	Average 2016	Projected 2017 2/	Average 2017
Steam Production	\$159,534,536	\$166,286,378	\$162,910,457	\$173,254,175	\$169,770,277
Other Production	14,392,897	17,610,881	16,001,889	20,854,315	19,232,598
Wind Production	21,995,946	30,717,772	26,356,859	39,389,633	35,053,703
Total Production	<u>\$195,923,379</u>	<u>\$214,615,031</u>	<u>\$205,269,205</u>	<u>\$233,498,123</u>	<u>\$224,056,578</u>
Transmission	64,327,996	66,926,169	65,627,083	69,741,205	68,333,687
Distribution	78,267,081	81,891,268	80,079,175	85,750,164	83,820,716
General	7,398,559	7,723,598	7,561,080	8,092,264	7,907,932
Intangible Plant - General	1,151,435	1,485,896	1,318,666	1,963,511	1,724,704
Common	11,205,618	11,891,658	11,548,639	12,891,493	12,391,577
Intangible Plant - Common	7,277,028	8,315,358	7,796,193	9,498,813	8,907,086
Acquisition Adjustment	7,499,515	7,499,515	7,499,515	7,499,515	7,499,515
Total	<u>\$373,050,611</u>	<u>\$400,348,493</u>	<u>\$386,699,556</u>	<u>\$428,935,088</u>	<u>\$414,641,795</u>

1/ Page 41.

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**MONTANA-DAKOTA UTILITIES CO.  
SUMMARY OF WORKING CAPITAL AND  
CUSTOMER ADVANCES FOR CONSTRUCTION  
ELECTRIC UTILITY - NORTH DAKOTA  
TWELVE MONTHS ENDED DECEMBER 31, 2015  
PROJECTED 2016-2017  
- INTERIM REVISED -**

<u>Working Capital</u>	<u>Per Books</u>	<u>Projected 2016</u>	<u>Average 2016</u>	<u>Projected 2017</u>	<u>Average 2017</u>
Materials and Supplies	\$10,458,783	\$10,458,783	\$11,124,832	\$10,458,783	\$11,124,832
Fuel Stocks	3,562,217	3,562,217	3,464,841	3,562,217	3,464,841
Prepaid Insurance	154,198	179,928	661,572	179,928	663,551
Unamortized Loss on Debt	3,087,570	2,702,913	2,895,242	2,318,255	2,510,584
Decommissioning of Retired Plant	(219,008)	(179,782)	(199,395)	(140,556)	(160,169)
Total Working Capital	<u>\$17,043,760</u>	<u>\$16,724,059</u>	<u>\$17,947,092</u>	<u>\$16,378,627</u>	<u>\$17,603,639</u>
Customer Deposits	<u>\$0</u>	<u>(\$349,547)</u>	<u>(\$351,608)</u>	<u>(\$349,547)</u>	<u>(\$349,547)</u>
Customer Advances for Construction	<u>(\$2,772,638)</u>	<u>(\$2,832,666)</u>	<u>(\$2,810,681)</u>	<u>(\$2,832,666)</u>	<u>(\$2,832,666)</u>

**MONTANA-DAKOTA UTILITIES CO.  
 MATERIALS AND SUPPLIES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 PROJECTED 2016-2017  
 - INTERIM -**

	Per Books	Projected 2016 1/	Projected 2017
December 2014	\$10,041,240	\$10,458,783	\$10,458,783
January 2015	9,511,471	9,488,354	9,488,354
February	9,626,524	9,505,767	9,505,767
March	10,066,624	9,750,272	9,750,272
April	10,248,265	10,201,700	10,201,700
May	10,870,629	10,209,557	10,209,557
June	11,606,936	10,611,893	10,611,893
July	12,507,627	10,784,855	10,784,855
August	12,783,831	12,783,831	12,783,831
September	13,788,541	13,788,541	13,788,541
October	13,421,339	13,421,339	13,421,339
November	13,159,137	13,159,137	13,159,137
December	10,458,783	10,458,783	10,458,783
Thirteen month average		<u>\$11,124,832</u>	<u>\$11,124,832</u>

1/ Actuals through July 2016.

**MONTANA-DAKOTA UTILITIES CO.  
 FUEL STORES  
 ELECTRIC UTILITY - NORTH DAKOTA  
 PROJECTED 2016-2017  
 - INTERIM**

	Per Books	Projected 2016 1/	Projected 2017
December 2014	\$2,936,946	\$3,562,217	\$3,562,217
January 2015	3,332,605	3,369,625	3,369,625
February	3,337,799	3,323,043	3,323,043
March	3,552,352	3,370,872	3,370,872
April	3,607,394	3,375,295	3,375,295
May	3,497,670	3,417,694	3,417,694
June	3,560,078	3,342,605	3,342,605
July	3,660,881	3,381,741	3,381,741
August	3,655,889	3,655,889	3,655,889
September	3,659,808	3,659,808	3,659,808
October	3,423,799	3,423,799	3,423,799
November	3,598,129	3,598,129	3,598,129
December	3,562,217	3,562,217	3,562,217
Thirteen month average		\$3,464,841	\$3,464,841

1/ Actuals through July 2016.

**MONTANA-DAKOTA UTILITIES CO.  
 PREPAID INSURANCE  
 ELECTRIC UTILITY - NORTH DAKOTA  
 PROJECTED 2016-2017  
 - INTERIM**

	<u>Per Books</u>	<u>Projected 2016 1/</u>	<u>Projected 2017</u>
December 2014	\$135,904	\$154,198	\$179,928
January 2015	1,066,156	1,208,284	1,208,284
February	956,375	1,085,170	1,085,170
March	839,079	952,277	952,277
April	918,456	1,048,808	1,048,808
May	824,196	922,569	922,569
June	708,410	794,988	794,988
July	597,234	672,860	672,860
August	486,058	549,809	549,809
September	374,883	426,082	426,082
October	263,707	303,031	303,031
November	267,434	302,427	302,427
December	154,198	179,928	179,928
Thirteen month average		<u>\$661,572</u>	<u>\$663,551</u>

1/ Actuals through July 2016; August - December 2016 based on premiums.

**MONTANA-DAKOTA UTILITIES CO.  
 UNAMORTIZED LOSS ON DEBT  
 ELECTRIC UTILITY - NORTH DAKOTA  
 TWELVE MONTHS ENDED DECEMBER 31, 2015  
 PROJECTED 2016-2017  
 - INTERIM -**

		<u>Total Electric Company</u>	<u>North Dakota</u>
Balance at December 31, 2015	1/	\$4,530,318	\$3,087,570
Amortization of Loss	2/	<u>(556,291)</u>	<u>(384,657)</u>
Balance at December 31, 2016	1/	\$3,974,027	\$2,702,913
Amortization of Loss	2/	<u>(556,291)</u>	<u>(384,657)</u>
Balance at December 31, 2017	1/	<u>\$3,417,737</u>	<u>\$2,318,255</u>

1/ Allocated on Net Plant in Service.  
 2/ Allocated on Monthly Average Rate Base.

MONTANA-DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
DECOMMISSIONING OF RETIRED PLANTS  
TWELVE MONTHS ENDED DECEMBER 31, 2015  
PROJECTED 2016-2017  
- INTERIM REVISED -

	North Dakota
Balance at December 31, 2015	<u>(\$219,008)</u>
Amortization 1/	<u>39,226</u>
Balance at December 31, 2016	(\$179,782)
Amortization 1/	<u>39,226</u>
Balance at December 31, 2017	<u><u>(\$140,556)</u></u>

1/ Amortized over ten years.

**MONTANA-DAKOTA UTILITIES CO.  
 CUSTOMER DEPOSITS  
 ELECTRIC UTILITY - NORTH DAKOTA  
 PROJECTED 2016-2017  
 - INTERIM REVISED -**

	<u>Per Books</u>	<u>Projected 2016 1/</u>	<u>Projected 2017</u>
December 2014	(\$369,243)	(\$343,992)	(\$349,547)
January 2015	(368,703)	(354,419)	(349,547)
February	(369,656)	(360,423)	(349,547)
March	(368,202)	(357,255)	(349,547)
April	(364,704)	(355,579)	(349,547)
May	(349,321)	(351,569)	(349,547)
June	(345,766)	(350,380)	(349,547)
July	(338,896)	(349,547)	(349,547)
August	(333,159)	(349,547)	(349,547)
September	(330,618)	(349,547)	(349,547)
October	(329,837)	(349,547)	(349,547)
November	(333,891)	(349,547)	(349,547)
December	(343,992)	(349,547)	(349,547)
13 month average		<u>(\$351,608)</u>	<u>(\$349,547)</u>

1/ Actuals through July 2016.

Note: Allocated to Electric Utility based on ND Customer Split, Factor No. 15.

**MONTANA-DAKOTA UTILITIES CO.  
 CUSTOMER ADVANCES FOR CONSTRUCTION  
 ELECTRIC UTILITY - NORTH DAKOTA  
 PROJECTED 2016-2017  
 - INTERIM**

	Per Books	Projected 2016 1/	Projected 2017
December 2014	(\$2,651,014)	(\$2,772,638)	(\$2,832,666)
January 2015	(2,650,806)	(2,755,084)	(2,832,666)
February	(2,502,558)	(2,755,084)	(2,832,666)
March	(2,317,564)	(2,755,084)	(2,832,666)
April	(2,544,525)	(2,839,638)	(2,832,666)
May	(2,525,025)	(2,832,666)	(2,832,666)
June	(2,604,437)	(2,832,666)	(2,832,666)
July	(2,609,399)	(2,832,666)	(2,832,666)
August	(2,643,560)	(2,832,666)	(2,832,666)
September	(2,643,560)	(2,832,666)	(2,832,666)
October	(2,847,019)	(2,832,666)	(2,832,666)
November	(2,768,348)	(2,832,666)	(2,832,666)
December	(2,772,638)	(2,832,666)	(2,832,666)
13 month average		<u>(\$2,810,681)</u>	<u>(\$2,832,666)</u>

1/ Actuals through July 2016.

**MONTANA-DAKOTA UTILITIES CO.**  
**SUMMARY OF ACCUMULATED DEFERRED INCOME TAXES**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2015**  
**PROJECTED 2016-2017**  
**- INTERIM REVISED -**

	Per Books	Projected 2016	Average 2016	Projected 2017	Average 2017
Liberalized Depreciation	\$140,091,308	\$159,406,749	\$149,039,024 1/	\$171,363,242	\$164,945,491 1/
Full Normalization	1,492,877	1,235,430	1,364,154	1,235,173	1,235,302
Retired Power Plant Decommissioning	(84,438)	(67,958)	(76,198)	(53,130)	(60,544)
Generation Facility Decommissioning	0	0	0	0	0
Gain/Loss on Sale of Buildings	0	0	0	0	0
Unamortized Loss on Debt	1,170,799	1,021,701	1,096,250	876,300	949,001
Production Tax Credit Carryforward	(2,323,398)	(9,295,169)	(5,809,284)	(14,455,996)	(11,875,583)
Contribution in Aid of Construction	(2,747,451)	(2,747,451)	(2,747,451)	(2,747,451)	(2,747,451)
Investment Tax Credits	(662,396)	(628,402)	(645,399)	(594,434)	(611,418)
Customer Advances	(1,061,492)	(1,070,748)	(1,066,120)	(1,070,748)	(1,070,748)
Total	<u>\$135,875,809</u>	<u>\$147,854,152</u>	<u>\$141,154,976</u>	<u>\$154,552,956</u>	<u>\$150,764,050</u>

1/ Average Liberalized Depreciation balances based on monthly proration methodology.

**MONTANA-DAKOTA UTILITIES CO.**  
**INVESTMENT TAX CREDITS**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2015**  
**PROJECTED 2016-2017**  
**- INTERIM**

	Per Books	Projected 2016	Average 2016	Projected 2017	Average 2017
Investment Tax Credits	<u>\$1,752,301</u>	<u>\$1,662,439</u>	<u>\$1,707,370</u>	<u>\$1,572,577</u>	<u>\$1,617,508</u>

1/ Amortizable life extended to 25 years to match related Cedar Hill Wind plant's depreciable life. No ITC is projected to be utilized in 2016 or 2017.

\$1,752,301 Book Balance / 19.5 years remaining = \$89,862 annual amortization.

**MONTANA-DAKOTA UTILITIES CO.**  
**ELECTRIC UTILITY - NORTH DAKOTA**  
**Interim Rate Design**  
**Summary of Projected Revenues and Billing Determinants**  
**Twelve Months Ended December 31, 2015**

Rate Reporting Class	Projected 2017									Interim Increase	Percent Increase
	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Fuel	Riders Revenue	Total Revenue		
<b>Residential Service</b>											
Rate 10	79,991	770,685,000		\$10,218,868	\$34,762,266		\$18,827,835	\$14,928,169	\$78,737,138	\$4,642,053	
Rate 13	4	127,000		657	2,976		3,103	2,460	9,196	375	
Rate 16	8	127,000		1,314	4,523		3,103	2,460	11,400	602	
<b>Total Residential</b>	<b>80,003</b>	<b>770,939,000</b>		<b>10,220,839</b>	<b>34,769,765</b>		<b>18,834,041</b>	<b>14,933,089</b>	<b>78,757,734</b>	<b>4,643,030</b>	5.9%
<b>Small General Service</b>											
Rate 20	11,272	111,247,327		2,880,033	5,267,773		2,717,772	1,824,456	12,690,034	840,854	
Rate 25	46	1,267,000	8,084.6	10,914	15,318	16,573	30,953	20,778	94,536	4,417	
Rate 26	240	1,278,673		70,080	49,810		31,238	20,971	172,099	12,373	
Rate 40	309	4,076,000	9,468.1	74,734	95,178	49,107	99,577	66,847	385,443	22,603	
<b>Total Small General</b>	<b>11,867</b>	<b>117,869,000</b>	<b>17,552.7</b>	<b>3,035,761</b>	<b>5,428,079</b>	<b>65,680</b>	<b>2,879,540</b>	<b>1,933,052</b>	<b>13,342,112</b>	<b>880,247</b>	6.6%
<b>General Service</b>											
Rate 30 Secondary	4,587	755,983,226	2,281,943.8	2,477,440	17,962,161	21,170,949	18,468,670	13,159,140	73,238,360	4,294,209	
Rate 30 Primary	43	195,765,000	468,864.3	49,020	4,494,764	3,429,564	4,622,012	3,231,856	15,827,216	822,850	
<b>Rate 30 Contract Rates</b>											
Rates 302 & 303	2	75,560,000	138,211.0	2,280	1,295,201	902,874	1,783,972		3,984,327	227,077	
Rate 304	1	26,681,000	65,685.4	180	522,414	364,554	629,938		1,517,086	91,554	
Rate 31 Primary	1	2,081,000	7,835.7	1,164	30,023	34,226	49,132	32,872	147,417	6,751	
Rate 31 Secondary	68	17,694,774	96,323.7	38,352	255,413	508,864	432,283	297,976	1,532,888	82,831	
Rate 32 Secondary	623	55,941,000	273,550.0	112,140	1,608,863	493,460	1,366,639	793,752	4,374,854	228,533	
Rate 32 Primary	0	0	0.0	0	0	0	0	0	0	0	
Rate 38											
Rate 380	2	17,711,000	53,405.0	5,797	376,536	228,620	418,157	308,209	1,337,319	63,050	
Rate 381	1	14,200,000	32,163.4	11,892	190,295	235,153	335,262	231,767	1,004,369	45,133	
Rate 39	1	5,107,000	11,502.0	3,600	46,933	66,137	120,576		237,246	12,040	
<b>Total General</b>	<b>5,329</b>	<b>1,166,724,000</b>	<b>3,429,484.3</b>	<b>2,701,865</b>	<b>26,782,603</b>	<b>27,434,401</b>	<b>28,226,641</b>	<b>18,055,572</b>	<b>103,201,082</b>	<b>5,874,028</b>	5.7%
<b>Municipal Lighting Service</b>											
Rate 41 Secondary	512	18,127,000			908,014		442,843	219,842	1,570,699	93,707	
Rate 41 Primary	49	1,719,000			77,475		40,586	20,629	138,690	7,995	
<b>Total Municipal Lighting</b>	<b>561</b>	<b>19,846,000</b>			<b>985,489</b>		<b>483,429</b>	<b>240,471</b>	<b>1,709,389</b>	<b>101,702</b>	5.9%

MONTANA-DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
Interim Rate Design  
Summary of Projected Revenues and Billing Determinants  
Twelve Months Ended December 31, 2015

Rate Reporting Class	Projected 2017									Interim Increase	Percent Increase	
	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Fuel	Riders Revenue	Total Revenue			
Municipal Pumping Service												
Rate 48 Secondary	319	25,168,000	91,118.4	37,418	503,637	475,748	614,854	424,618	2,056,275	104,934		
Rate 48 Primary	4	13,894,000	35,805.3	518	257,734	130,541	328,037	209,798	926,628	40,123		
<b>Total Municipal Pumping</b>	<b>323</b>	<b>39,062,000</b>	<b>126,923.7</b>	<b>37,936</b>	<b>761,371</b>	<b>606,289</b>	<b>942,891</b>	<b>634,416</b>	<b>2,982,903</b>	<b>145,057</b>	4.9%	
Outdoor Lighting Service												
Rate 52 Secondary	2,602	7,424,000			496,963		181,368	99,111	777,442	51,287		
Rate 52 Primary	2	13,000			817		307	173	1,297	84		
<b>Total Outdoor Lighting</b>	<b>2,604</b>	<b>7,437,000</b>			<b>497,780</b>		<b>181,675</b>	<b>99,284</b>	<b>778,739</b>	<b>51,371</b>	6.6%	
<b>Total North Dakota</b>	<b>100,687</b>	<b>2,121,877,000</b>	<b>3,573,960.7</b>	<b>15,996,401</b>	<b>69,225,087</b>	<b>28,106,370</b>	<b>51,548,217</b>	<b>35,895,884</b>	<b>200,771,959</b>	<b>11,695,435</b>	5.8%	

Revised Interim Increase \$11,695,592  
Percent Increase in Revenues (excluding fuel and riders) 10.320%