



UTILITIES CO.

A Division of MDU Resources Group, Inc.

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

September 8, 2017

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

Re: Cost of Gas Adjustment  
(COG) Rate 88 and Rate 99  
Case No. PU-17-008

In accordance with North Dakota Century Code Section 49-05-05, Montana-Dakota Utilities Co. (Montana-Dakota), a Division of MDU Resources Group, Inc., respectfully submits an original and two (2) copies of a Cost of Gas (COG) change pursuant to the terms of Rates 88 and 99.

Attachment A is the Rate Summary Sheet (160<sup>th</sup> Revised Sheet No. 3) showing the proposed natural gas rates, to be effective with service rendered October 1, 2017.

Montana-Dakota purchases gas supplies under a number of contracts. The commodity cost of gas has decreased \$0.028 per dk since the May 1, 2017 rates due to a decrease in the overall commodity price of gas. Attachment B explains the reasons for the decrease in the market price of gas. There has also been a change in pipeline rates as shown on Attachment C, which had no impact on the cost of gas.

The COG tariff sheet, Exhibit A page 1, summarizes the gas cost adjustment, the surcharge adjustment and the grain drying margin sharing provision, calculated pursuant to the terms of Rate 88 that will apply during the month of October 2017.

The net effect of this filing, calculated pursuant to the terms of Rate 88, is an increase of \$0.104 per dk for residential customers and firm general customers, an increase of \$0.086 per dk for small and large interruptible customers and an increase of \$0.144 per dk for Air Force interruptible customers from the currently effective rates, including the change in the surcharge adjustment (Exhibit D) and the grain drying margin sharing mechanism (Exhibit E).

Exhibit B shows the calculation of the current gas cost adjustment that will be applicable to Montana-Dakota's customers for the month of October 2017. The average cost of gas for firm customers, adjusted for losses, is \$3.983.

Exhibit B-1- Confidential contains confidential information on gas commodity pricing and is designated as Trade Secret in accordance with the Commission's March 23, 2016 Order in

Case No. PU-16-008. Exhibit B-1 – Public Copy is also enclosed. Montana-Dakota has submitted a renewal of the Application for Trade Secret Protection to the Commission in Case No. PU-17-008 to renew the request of confidential treatment of portion of the cost of gas calculation for 2017.

Exhibit C shows the calculation of the return on storage inventory balances and prepaid demand and commodity balances using the calculation procedure set forth in Rate 88. The overall rate of return of 7.340% was authorized by the Commission in Case No. PU-15-90.

Exhibit D shows the calculation of the surcharge adjustment that will apply during the period October 1, 2017 through September 30, 2018. The total surcharge is \$0.025 per dk residential and general service customers, \$0.005 per dk for small and large interruptible customers and (\$0.020) per dk for the Air Force, or an increase of \$0.137 per dk for residential and general service customers, an increase of \$0.152 per dk for small and large interruptible customers and an increase of \$0.210 per dk for the Air Force from the adjustment effective October 1, 2016.

Exhibit E shows the grain drying margin sharing provision pursuant to the terms of Rate 88. Ninety percent of the margin revenues collected from grain drying customers served under interruptible service rates will be credited to residential and firm general service customers through the COG. A credit of \$0.012 per dk will be applicable to all residential and general service customers due to the grain drying margin sharing provision for the period October 1, 2017 through September 30, 2018.

Exhibit F shows the calculation of the current cost of gas – propane that will be applicable to Montana-Dakota's customers for the month of October 2017. The average cost of propane for all customers, adjusted for losses, is \$7.136.

Montana-Dakota purchases propane supplies from various wholesale suppliers. The cost of propane increased since the April 1, 2017 rates due to an increase in the market price of propane. In addition, the grain drying margin sharing credit of \$0.012 will be applied to propane customers resulting in a net increase of \$1.086 per dk to be effective October 1, 2017.

Exhibit A, page 2 summarizes the cost of gas – propane calculated pursuant to the terms of Rate 99, which will apply during the month of October 2017.

These proposed adjustments, calculated in accordance with Rate 88 and Rate 99, will amount to an increase of approximately \$134,500 for natural gas customers during the month of October 2017. All of Montana-Dakota's retail natural gas and propane customers in North Dakota may be affected by this proposal. There were 107,862 natural gas customers and 341 propane customers in North Dakota as of July 31, 2017.

Please refer all inquiries regarding this filing to:

Ms. Tamie A. Aberle  
Director of Regulatory Affairs  
Montana-Dakota Utilities Co.  
400 North Fourth Street  
Bismarck, ND 58501

Also, please send copies of all written inquiries, correspondence and pleadings to:

Mr. Karl A. Liepitz  
Assistant General Counsel  
MDU Resources Group, Inc.  
P. O. Box 5650  
Bismarck, ND 58506-5650

Montana-Dakota submitted a check on January 9, 2017 to the North Dakota Public Service Commission for \$600 pursuant to the requirements of North Dakota Century Code Section 49-05-05. This payment will cover the filing fee associated with the monthly COG filings.

Montana-Dakota respectfully requests that this filing be accepted as being in full compliance with the filing requirements of this Commission.

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.

If you have any questions regarding this filing, please contact me at (701) 222-7856 or [tamie.aberle@mdu.com](mailto:tamie.aberle@mdu.com)

Sincerely,



Tamie A. Aberle  
Director of Regulatory Affairs

Attachment

**Rate Summary Sheet  
(Proposed)**



# Montana-Dakota Utilities Co.

A Division of MDU Resources Group, Inc.

400 N 4th Street  
Bismarck, ND 58501

## State of North Dakota Gas Rate Schedule

NDPSC Volume 7

160<sup>th</sup> Revised Sheet No. 3

Canceling 159<sup>th</sup> Revised Sheet No. 3

### RATE SUMMARY SHEET

Page 1 of 2

Rate Schedule	Sheet No.	Basic Service Charge	Distribution Delivery Charge	COG Items	Total Rate/ Dk
Residential Rate 60	4	\$0.6443 per day	\$0.000	\$3.996	\$3.996
Air Force Rate 64	7	\$2,000.00 per month			
Minot Air Force Base		\$175.00 per month			
PAR Site					
Firm Service			\$0.329	\$3.996	\$4.325
Interruptible Service - PAR			\$0.177	\$2.911	\$3.088
Interruptible Service - MAFB			\$0.177	\$2.873	\$3.050
Firm General Service Rate 70	13				
Meters rated < 500 cubic feet		\$0.67 per day			
Meters rated > 500 cubic feet		\$1.90 per day	\$0.730	\$3.996	\$4.726
Small Interruptible Gas Rate 71	14	\$175.00 per month	(Maximum) \$1.112	\$2.911	(Maximum) \$4.023
Optional Seasonal Gas Service Rate 72	15				
Meters rated < 500 cubic feet		\$0.67 per day			
Meters rated > 500 cubic feet		\$1.90 per day	\$0.730	\$4.085	\$4.815
Transportation Service	24				
Small Interruptible Rate 81		\$175.00 per month			
Maximum			\$0.668		
Minimum			\$0.102		
Fuel Charge				\$0.013	
Large Interruptible Rate 82		\$1,000.00 per month			
Maximum			\$0.297		
Minimum			\$0.061		
Fuel Charge				\$0.013	
Large Interruptible Gas Rate 85	27	\$1,000.00 per month	(Maximum) \$0.718	\$2.911	(Maximum) \$3.629
Residential Propane Rate 90	32	\$0.6443 per day	\$0.000	\$7.740	\$7.740
Firm General Propane Rate 92	34				
Meters rated < 500 cubic feet		\$0.67 per day			
Meters rated > 500 cubic feet		\$1.90 per day	\$0.730	\$7.740	\$8.470

Date Filed: September 8, 2017

Effective Date: October 1, 2017

Issued By: Tamie A. Aberle  
Director - Regulatory Affairs

Case No.: PU-17-008

**Montana-Dakota Utilities Co.  
Market Conditions for Regional Natural Gas  
October 2017**

The established monthly price for the Rocky Mountain CIG Index has decreased \$0.01/MMBTU from the previous filing. The CIG Rocky Mountain Index is based on a price discovery survey by several natural gas periodicals, including “Inside FERC Gas Market” report and “Gas Daily” by McGraw-Hill Companies, of prices paid by willing sellers and buyers of quantities of gas in that region. That price is reflective of natural gas prices in the Rocky Mountain region and indicative of the supplies Montana-Dakota purchases for its requirements.

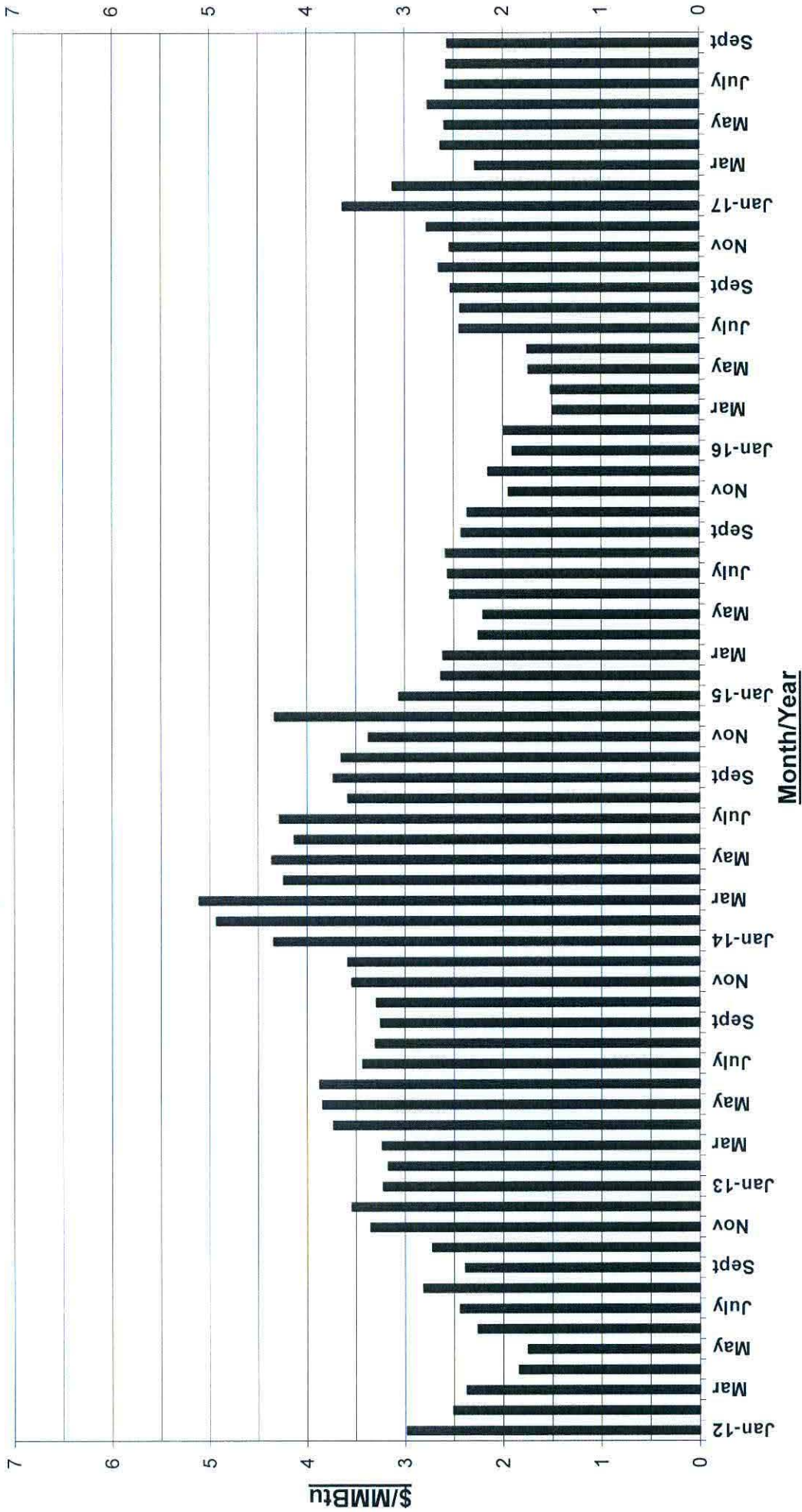
Market conditions have changed little over the past calendar month. Natural gas consumed for power generation has declined nationally by 18 percent week over week for the final week of August. This has been met with a two percent drop in production and imports.

Hurricane Harvey has impacted production in the Gulf Coast Region of the United States. As of August 30, 2017, the EIA reports that 19 percent of production in the Federal Gulf of Mexico waters were shut in. Natural gas consumption in the region has declined as well. These factors minimize the natural gas price impacts from the storm leaving Montana-Dakota Utilities unaffected.

The EIA reported nationwide storage levels as of August 25, 2017 at 0.3 percent above the five-year average but 7.0 percent below last year’s balance.

The Department of Energy’s (DOE) Energy Information Administration (EIA) provides various publications on energy issues. The information is available on the DOE website: <http://www.eia.doe.gov>.

# CIG Rocky Mountains Index Monthly Gas Prices 2012-2017YTD



From Inside F.E.R.C.'s Gas Market Report  
Annual Averages: - 2015-\$2.44; 2016-\$2.15, 2017YTD-\$2.75

**Montana-Dakota Utilities Co.  
Pipeline Rate Changes Since Last Annual COG  
North Dakota  
October 2017 COG**

**Foothills Pipe Lines Ltd.**

On October 31, 2016, TransCanada filed new rates for the Foothills Pipe Lines Ltd. System with the National Energy Board (NEB) to be effective January 1, 2017.

Approximate impact on Montana-Dakota's cost of gas: 0.0 cents per dk.

**NorthWestern Energy**

On December 5, 2016, NorthWestern Energy filed its 2017 Electric and Natural Gas Tax Tracker filing in Docket No. D2016.12.97 to be effective January 1, 2017.

Approximate impact on Montana-Dakota's cost of gas: 0.1 cents per dk.

**NOVA Gas Transmission Ltd.**

On October 31, 2016, TransCanada filed new interim rates for the Alberta System with the National Energy Board (NEB) to be effective January 1, 2017.

Approximate impact on Montana-Dakota's cost of gas: 0.1 cents per dk.

**WBI Energy Transmission, Inc. Docket No. RP17-485-000**

On March 1, 2017, WBI Energy Transmission, Inc. (WBI Energy) filed its semi-annual fuel and electric power reimbursement adjustments with the FERC in Docket No. RP17-485-000, reflecting revisions to the fuel and electric power components of WBI Energy's storage and transportation rates effective April 1, 2017.

Approximate impact on Montana-Dakota's cost of gas: 0.7 cents per dk.

**NOVA Gas Transmission Ltd.**

On April 7, 2017, TransCanada filed final rates for the Alberta System with the National Energy Board (NEB) to be effective June 1, 2017.

Approximate impact on Montana-Dakota's cost of gas: (0.1) cents per dk.

**NorthWestern Energy**

On May 31, 2017, NorthWestern Energy filed an application for approval to implement rates related to its Unreflected Gas Cost and Gas Transportation Adjustment Clause Balance in Docket No. D2016.7.53 to be effective July 1, 2017.

Approximate impact on Montana-Dakota's cost of gas: 0.1 cents per dk.

**NorthWestern Energy**

On September 30, 2016, NorthWestern Energy filed an application for approval to change and establish natural gas delivery service and production rates in Montana in Docket No. D2016.9.68. A final order authorizing implementation of new rates was issued on August 15, 2017.

Approximate impact on Montana-Dakota's cost of gas: 0.0 cents per dk.

MONTANA-DAKOTA UTILITIES CO.  
COST OF GAS TARIFF SHEET  
NORTH DAKOTA GAS  
EFFECTIVE OCTOBER 2017

	Firm			
	Residential & General Service	Optional Seasonal	Small & Large Interruptible	Air Force Interruptible
<b><u>Gas Cost Adjustment:</u></b>				
Gas Cost Level (Exhibit B)	\$3.983	\$4.072	\$2.906	\$2.893
Prior Filed Gas Cost	4.011	2.929	2.972	2.959
Current Gas Cost Adjustment	(\$0.028)	\$1.143	(\$0.066)	(\$0.066)
<b><u>Surcharge Adjustment:</u></b>				
Current Adjustment (Exhibit D)	\$0.025	\$0.025	\$0.005	(\$0.020)
Prior Filed Adjustment	(0.112)	(0.112)	(0.147)	(0.230)
Change in Surcharge Adjustment	\$0.137	\$0.137	\$0.152	\$0.210
Gas Cost Level	\$3.983	\$4.072	\$2.906	\$2.893
Plus: Surcharge	0.025	0.025	0.005	(0.020)
<b>Total Gas Cost Level in Tariff Rates</b>	<b>\$4.008</b>	<b>\$4.097</b>	<b>\$2.911</b>	<b>\$2.873</b>
<b><u>Grain Drying Margin Sharing</u></b>				
Current Adjustment (Exhibit E)	(\$0.012)	(\$0.012)	\$0.000	\$0.000
Prior Filed Adjustment	(0.007)	(0.007)	0.000	0.000
Change in Grain Drying Margin Sharing	(\$0.005)	(\$0.005)	\$0.000	\$0.000
<b>Total Cost of Gas Items</b>	<b>\$3.996</b>	<b>\$4.085</b>	<b>\$2.911</b>	<b>\$2.873</b>
<b>Net Increase (Decrease) in Gas Costs</b>	<b>\$0.104</b>	<b>\$1.275</b>	<b>\$0.086</b>	<b>\$0.144</b>

MONTANA-DAKOTA UTILITIES CO.  
COST OF GAS - PROPANE TARIFF SHEET  
NORTH DAKOTA PROPANE  
EFFECTIVE OCTOBER 2017

**Cost of Gas - Propane**

Current Propane Cost (Exhibit F, Page 1)	\$7.136
Prior Filed Propane Cost	<u>6.038</u>
Current Propane Cost Adjustment	<u><u>\$1.098</u></u>

**Surcharge Adjustment**

Current Adjustment	\$0.616
Prior Filed Adjustment	<u>0.616</u>
Change in Surcharge Adjustment	\$0.000

**Grain Drying Margin Sharing**

Current Adjustment (Exhibit E)	(\$0.012)
Prior Adjustment	<u>0.000</u>
Change in Grain Drying Margin Sharing	(\$0.012)

**Total Cost of Gas Items**

\$7.740

**Net Increase (Decrease) in Gas Costs**

\$1.086

**MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
RESIDENTIAL AND GENERAL SERVICE  
EFFECTIVE OCTOBER 2017**

	Amount
Total Gas Costs 1/	\$63,026,578
Residential and General Service dk Requirements 2/	15,895,844
Average Cost of Gas per dk	\$3.965
Average Cost of Gas as Adjusted for Losses @ 99.55%	3.983
Less: Gas Cost Level in Rates 3/	4.011
<b>Current Gas Cost Adjustment</b>	<b>(\$0.028)</b>

1/ Includes all pipeline demand and commodity charges. See Exhibit B, pages 5-19 for currently effective pipeline rates. Also includes a return on prepaid demand, commodity and cycle storage balances as shown on Exhibit C.

2/ Normalized dk sales for the twelve months ended June 30, 2017, adjusted for losses at .45%.

3/ Gas Cost Level in Current Tariff Rates Case No. PU-17-008 effective May 1, 2017:

Cost of Purchased Gas	\$3.993
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$4.011

**MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
OPTIONAL SEASONAL - RATE 72  
EFFECTIVE OCTOBER 2017**

Total Gas Costs 1/	\$63,026,578
Less: Annual MDDQ Costs	<u>17,573,651</u>
Total Gas Costs excluding MDDQ	\$45,452,927
Firm Service Requirements 1/	15,895,844
Other Gas Costs per Dk (excluding MDDQ)	\$2.859
<u>Winter - October - May</u> Annual MDDQ Costs 1/	\$17,573,651
Winter Firm Service Requirements	14,706,503
MDDQ Costs per Winter Dk	\$1.195
Add: Other Gas Costs per Dk	<u>2.859</u>
Winter Seasonal Rate	\$4.054
Winter Seasonal Rate, adjusted for losses 2/	\$4.072
Less: Gas Cost Level in Rates 3/	<u>2.929</u>
<b>Current Gas Cost Adjustment</b>	<b><u><u>\$1.143</u></u></b>

1/ Exhibit B, page 1.

2/ Loss factor of .45%.

3/ Gas Cost Level in Current Tariff Rates Case No. PU-17-008 effective June 1, 2017:

	<u>Summer</u>
Cost of Purchased Gas	\$2.916
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$2.929

**MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
INTERRUPTIBLE  
EFFECTIVE OCTOBER 2017**

	Amount
Total Gas Costs 1/	\$17,930,440
Interruptible Service dk Requirements	6,198,292
Average Cost of Gas per dk	\$2.893
Average Cost of Gas as Adjusted for Losses @ 99.55%	2.906
Less: Gas Cost Level in Rates 2/	2.972
<b>Current Gas Cost Adjustment</b>	<b>(\$0.066)</b>

1/ Includes all pipeline demand and commodity charges. See Exhibit B, pages 5-19 for currently effective pipeline rates. Also includes a return on prepaid demand, commodity and cycle storage balances as shown on Exhibit C.

2/ Gas Cost Level in Current Tariff Rates Case No. PU-17-008 effective May 1, 2017:

Cost of Purchased Gas	\$2.959
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$2.972



**Montana-Dakota Utilities Co.**  
**Schedule of Applicable Effective Pipeline Rates**  
**October 2017 PGA**

WBI Energy Transmission, Inc. - Exhibit B, pages 9 - 13 for Schedules FT-1, FTN-1, and FS-1.

Northern Border Pipeline Company - Exhibit B, page 14 for Schedule T-1.

Foothills Pipe Lines, Ltd. - Billed on a cost of service basis so there are no tariff sheets.

NOVA Gas Transmission - Exhibit B, pages 15-16 for Schedule FT-D.

NorthWestern Energy - Exhibit B, page 17 for Schedule T-FTG-1.

South Dakota Intrastate Pipeline - Exhibit B, page 18 for Rate 1.

Black Hills Gas Distribution, LLC - Exhibit B, Page 19 for Schedule TC.

**MONTANA-DAKOTA UTILITIES CO.  
CALCULATION OF NORTHERN BORDER ET AL RATE  
OCTOBER 2017 PGA**

<b>Northern Border 1/</b>	
Monchy to Mina Mileage	506.0943
Maximum Rate	<u>\$0.0286</u>
Maximum Rate Per 100 Miles	\$0.1447
<b>Foothills (FT) Zone 9</b>	
Rate (Canadian GJ/d) 2/	\$0.0750
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	<u>0.8012</u>
	0.0634
<b>NOVA - FT-D</b>	
Demand Rate (Canadian GJ/d) 4/	\$0.1728
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	<u>0.8012</u>
	0.1461
<b>Northern Border Et Al Rate</b>	<u><u>\$0.3542</u></u>

- 1/ T-1 & T-1B Daily Reservation Rate, Port of Morgan, MT to Ventura, IA effective January 1, 2013.  
2/ Rate Schedule FT, Firm Service Zone 9, rates effective January 1, 2017.  
3/ Exchange rate per August 29, 2017 Gas Daily.  
4/ FT-D Demand Rate per Month, Empress/McNeill Border, rates effective June 1, 2017 (expressed as a daily rate). Includes a 10% discount rate.

**MONTANA-DAKOTA UTILITIES CO.  
NORTHWESTERN ENERGY DEMAND AND COMMODITY CHARGES  
OCTOBER 2017 PGA**

<u>Demand:</u>	<u>Billing</u>	<u>Rate</u>	<u>Annual</u>
	<u>Determinants</u>		<u>Charge</u>
Monthly Meter Charges 1/	12	\$295.35	\$3,544
MDDQ 2/	6,700	10.384183	834,888
			<u>838,432</u>
 Demand charge per dk			 <u><u>\$10.42826</u></u>
 <u>Commodity: 3/</u>			
Transportation			\$0.080751
GTAC			<u>\$0.002095</u>
			<u><u>\$0.082846</u></u>

1/ One meter rated at >30,000 cubic feet per hour.

2/ Firm Transportation Reservation Rate (T-FTG-1)  
43rd Revised Sheet No. 80.1, effective September 1, 2017.

3/ Firm Transmission Commodity Rate (T-FTG-1)  
43rd Revised Sheet No. 80.1, effective September 1, 2017.

**MONTANA-DAKOTA UTILITIES CO.  
BLACK HILLS GAS TRANSPORTATION CHARGES  
OCTOBER 2017 PGA**

<u>Demand:</u>	<u>Billing Determinants</u>	<u>Rate</u>	<u>Total</u>
Administrative Fee 1/	12	\$650	\$7,800
MDDQ 2/	2,000	7.00000	168,000
Total			<u>\$175,800</u>
Demand charge per dk			<u><u>\$7.32500</u></u>
<u>Commodity: 2/</u>			
Transportation			<u><u>\$0.08</u></u>

1/ Two meters @ \$325/meter. Black Hills Gas WY Rate Schedule TC, First Revised Sheet No. 9.

2/ Discount Agreement for Montana-Dakota Utilities Co. on Firm Transportation Service Agreement #6000189 effective January 1, 2016 through March 31, 2019.

NOTICE OF CURRENTLY EFFECTIVE RATES

(ALL RATES ARE STATED IN CENTS PER DEKATHERM OR EQUIVALENT DEKATHERM AS INDICATED)

RATE SCHEDULE	UNIT	BASE TARIFF RATE	TOP THROUGHPUT SURCHARGE	GAS SUPPLY REALIGNMENT SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
-----					
RATE SCHEDULE FT-1					
-----					
RESERVATION CHARGE					
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)					
MAXIMUM	RATE PER EQV. DKT PER MO.	921.000	N.A.	N.A.	921.000
MINIMUM	RATE PER EQV. DKT PER MO	0.000	N.A.	N.A.	0.000
COMMODITY CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	2.842	N.A.	N.A.	2.842
MINIMUM A/B/C/	RATE PER DKT	2.842	N.A.	N.A.	2.842
SCHEDULED OVERRUN CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	32.112	N.A.	N.A.	32.112
MINIMUM A/B/C/	RATE PER DKT	2.842	N.A.	N.A.	2.842
VOLUMETRIC CAPACITY RELEASE CHARGE					
MAXIMUM	RATE PER DKT	30.279	N.A.	N.A.	30.279
MINIMUM	RATE PER DKT	0.000	N.A.	N.A.	0.000

- 
- A/ SHIPPER MUST REIMBURSE TRANSPORTER IN-KIND FOR TRANSPORTATION FUEL USE AND LOST AND UNACCOUNTED FOR GAS. THE APPLICABLE PERCENTAGES ARE REFLECTED ON SHEET NO. 21A. THESE PERCENTAGES SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS TENDERED TO TRANSPORTER FOR SHIPPER'S ACCOUNT AT THE RECEIPT POINT(S) INTO TRANSPORTER'S TRANSMISSION FACILITIES.
  - B/ SHIPPER MUST REIMBURSE TRANSPORTER FOR ELECTRIC POWER USED FOR TRANSPORTATION. THE APPLICABLE RATE IS REFLECTED ON SHEET NO. 21B. THIS RATE SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS TENDERED TO TRANSPORTER FOR SHIPPER'S ACCOUNT AT THE RECEIPT POINT(S) INTO TRANSPORTER'S TRANSMISSION FACILITIES.
  - C/ SHIPPER MUST REIMBURSE TRANSPORTER FOR THE ACA SURCHARGE. SUCH SURCHARGE SHALL BE THE ACA UNIT CHARGE SPECIFIED IN THE ANNUAL NOTICE ISSUED BY THE FERC ENTITLED "FY [YEAR] GAS ANNUAL CHARGES CORRECTION FOR ANNUAL CHARGES UNIT CHARGE."

NOTICE OF CURRENTLY EFFECTIVE RATES

(ALL RATES ARE STATED IN CENTS PER DEKATHERM OR EQUIVALENT DEKATHERM AS INDICATED)

RATE SCHEDULE	UNIT	BASE TARIFF RATE	TOP THROUGHPUT SURCHARGE	GAS SUPPLY REALIGNMENT SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
-----					
RATE SCHEDULE FTN-1					
-----					
RESERVATION CHARGE					
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)					
MAXIMUM	RATE PER EQV. DKT PER MO.	24.274	N.A.	N.A.	24.274
MINIMUM	RATE PER EQV. DKT PER MO.	1.263	N.A.	N.A.	1.263
VOLUMETRIC CAPACITY RELEASE CHARGE					
MAXIMUM	RATE PER DKT	0.798	N.A.	N.A.	0.798
MINIMUM	RATE PER DKT	0.042	N.A.	N.A.	0.042

NOTICE OF CURRENTLY EFFECTIVE RATES

(ALL RATES ARE STATED IN CENTS PER DEKATHERM OR EQUIVALENT DEKATHERM AS INDICATED)

RATE SCHEDULE	UNIT	BASE TARIFF RATE	TOP THROUGHPUT SURCHARGE	GAS SUPPLY REALIGNMENT SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
-----					
RATE SCHEDULE FS-1					
-----					
CAPACITY RESERVATION CHARGE					
MAXIMUM	RATE PER EQV. DKT PER MO.	1.757	N.A.	N.A.	1.757
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000
CAPACITY DELIVERABILITY CHARGE					
MAXIMUM	RATE PER EQV. DKT PER MO.	201.507	N.A.	N.A.	201.507
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000
INJECTION CHARGE					
MAXIMUM A/B/	RATE PER DKT	1.221	N.A.	N.A.	1.221
MINIMUM A/B/	RATE PER DKT	1.221	N.A.	N.A.	1.221
WITHDRAWAL CHARGE					
MAXIMUM A/B/	RATE PER DKT	1.221	N.A.	N.A.	1.221
MINIMUM A/B/	RATE PER DKT	1.221	N.A.	N.A.	1.221
SCHEDULED OVERRUN CHARGE					
INJECTION					
MAXIMUM A/B/	RATE PER DKT	18.683	N.A.	N.A.	18.683
MINIMUM A/B/	RATE PER DKT	1.221	N.A.	N.A.	1.221
WITHDRAWAL					
MAXIMUM A/B/	RATE PER DKT	18.683	N.A.	N.A.	18.683
MINIMUM A/B/	RATE PER DKT	1.221	N.A.	N.A.	1.221

- A/ SHIPPER MUST REIMBURSE TRANSPORTER IN-KIND FOR STORAGE FUEL USE AND LOST AND UNACCOUNTED FOR GAS. THE APPLICABLE PERCENTAGES ARE REFLECTED ON SHEET NO. 21A. THESE PERCENTAGES SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS INJECTED AND/OR WITHDRAWN BY TRANSPORTER FOR SHIPPER'S ACCOUNT AT TRANSPORTER'S STORAGE FACILITIES.
- B/ SHIPPER MUST REIMBURSE TRANSPORTER FOR ELECTRIC POWER USED FOR STORAGE. THE APPLICABLE RATE IS REFLECTED ON SHEET NO. 21B. THIS RATE SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS INJECTED AND/OR WITHDRAWN BY TRANSPORTER FOR SHIPPER'S ACCOUNT AT TRANSPORTER'S STORAGE FACILITIES.

NOTICE OF CURRENTLY EFFECTIVE RATES

-----  
 FUEL USE AND LOST AND UNACCOUNTED FOR GAS ("L&U") REIMBURSEMENT PERCENTAGES

TRANSPORTATION - RATE SCHEDULES FT-1 AND IT-1

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	1.893%	(0.207)%	1.686%
L&U REIMBURSEMENT	(0.316)%	(0.441)%	(0.757)%

GATHERING - FIRM AND INTERRUPTIBLE

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	4.988%	(0.245)%	4.743%
L&U REIMBURSEMENT	(0.266)%	(0.066)%	(0.332)%

STORAGE - RATE SCHEDULES FS-1 AND IS-1

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	0.698%	(0.289)%	0.409%
L&U REIMBURSEMENT	(0.182)%	(0.175)%	(0.357)%

Issued On: March 1, 2017  
 Docket Number: RP17-485-000  
 FERC Order Date: March 28, 2017

Effective On: April 1, 2017

NOTICE OF CURRENTLY EFFECTIVE RATES  
-----  
ELECTRIC POWER REIMBURSEMENT RATES (CENTS/DKT)

TRANSPORTATION - RATE SCHEDULES FT-1 AND IT-1

	<u>CURRENT RATE</u>	<u>DEFERRAL RATE</u>	<u>TOTAL RATE</u>
ELECTRIC POWER REIMBURSEMENT	1.280	0.192	1.472

GATHERING - FIRM AND INTERRUPTIBLE

	<u>CURRENT RATE</u>	<u>DEFERRAL RATE</u>	<u>TOTAL RATE</u>
ELECTRIC POWER REIMBURSEMENT	0.000	0.000	0.000

STORAGE - RATE SCHEDULES FS-1 AND IS-1

	<u>CURRENT RATE</u>	<u>DEFERRAL RATE</u>	<u>TOTAL RATE</u>
ELECTRIC POWER REIMBURSEMENT	0.328	0.103	0.431

STATEMENT OF RATES  
2/ 3/

Rate Schedule -----	Long-Term Base Tariff Rate (per 100 Dth-Miles) 1/ -----
T-1 and T-1B	
Daily Reservation Rate - Port of Morgan, MT to Ventura, IA	
Maximum	\$0.0286
Minimum	\$0.0000
Daily Reservation Rate - Ventura, IA to North Hayden, IN	
Maximum	\$0.0307
Minimum	\$0.0000
Commodity Rate - Port of Morgan, MT to North Hayden, IN	
Maximum	\$0.0004
Minimum	\$0.0004

- 1/ Applicable to any Rate Schedule T-1 U.S. Shippers Service Agreement or any Rate Schedule T-1B Service Agreement with a primary term of at least twelve consecutive months.
- 2/ The Settlement Rates, pursuant to Articles II and VII of the September 27, 2012, Stipulation at Docket Nos. RP06-72-000, et al., remain in effect until such rates are superseded by new rates placed into effect consistent with the provisions of the Stipulation.
- 3/ Rates in this section are subject to the revenue retrieval provision pursuant to Article V.A of the September 27, 2012, Stipulation at Docket Nos. RP06-72-000, et al.

Service	Rates, Tolls and Charges	
1. Rate Schedule FT-R	Refer to Attachment "1" for applicable FT-R Demand Rate per month based on a three-year term (Price Point "B") & Surcharge for each Receipt Point Average Firm Service Receipt Price (AFSRP) \$ 233.92/10 <sup>3</sup> m <sup>3</sup>	
2. Rate Schedule FT-RN	Refer to Attachment "1" for applicable FT-RN Demand Rate per month & Surcharge for each Receipt Point	
3. Rate Schedule FT-D <sup>1</sup>	Refer to Attachment "2" for applicable FT-D Demand Rate per month based on a one year term (Price Point "Z") & Surcharge for each Group 1 or Group 2 Delivery Point Average FT-D Demand Rate for Group 1 Delivery Points \$ 5.61/GJ FT-D Demand Rate for Group 2 Delivery Points \$ 5.37/GJ FT-D Demand Rate for Group 3 Delivery Points \$ 6.44/GJ	
4. Rate Schedule STFT	STFT Bid Price = Minimum of 100% of the applicable FT-D Demand Rate based on a one year term (Price Point "Z") for each Group 1 Delivery Point	
5. Rate Schedule FT-DW	FT-DW Bid Price = Minimum of 125% of the applicable FT-D Demand Rate based on a three year term (Price Point "Y") for each Group 1 Delivery Point	
6. Rate Schedule FT-P <sup>1</sup>	Refer to Attachment "3" for applicable FT-P Demand Rate per month	
7. Rate Schedule LRS	<u>Contract Term</u> 20 years	<u>Effective LRS Rate (\$/10<sup>3</sup>m<sup>3</sup>/day)</u> 7.97
8. Rate Schedule LRS-3	LRS-3 Demand Rate per month \$ 129.55/10 <sup>3</sup> m <sup>3</sup>	
9. Rate Schedule IT-R	Refer to Attachment "1" for applicable IT-R Rate for each Receipt Point	
10. Rate Schedule IT-D <sup>1</sup>	Refer to Attachment "2" for applicable IT-D Rate for each Delivery Point	
11. Rate Schedule FCS	The FCS Charge is determined in accordance with Attachment "1" to the applicable Schedule of Service	
12. Rate Schedule PT	The PT Charge is determined in accordance with the applicable Schedule of Service	
13. Rate Schedule OS	<u>Schedule No.</u>	<u>Charge</u>
	2016800075	\$ 148.02 /10 <sup>3</sup> m <sup>3</sup> / month
	2016800076	\$ 148.02 /10 <sup>3</sup> m <sup>3</sup> / month
	2016800077	\$ 148.02 /10 <sup>3</sup> m <sup>3</sup> / month
	2016800078	\$ 148.02 /10 <sup>3</sup> m <sup>3</sup> / month
	2016805891	\$ 148.02 /10 <sup>3</sup> m <sup>3</sup> / month
	2011475772	\$ 9,250.00 / month
	2017849279	\$ 788.00 / month
	2003004522	Applicable IT-R and IT-D Rate
	2011476052 /	\$ 0.1765 / GJ subject to
	2011476054	\$ 717,000.00 Minimum Annual
	2011475056 / 2011476092 /	\$ 0.095 / GJ and
	2016721799 / 2016759254	\$ 1,000.00 / month
14. Rate Schedule CO2	<u>Tier</u>	<u>CO<sub>2</sub> Rate (\$/10<sup>3</sup>m<sup>3</sup>)</u>
	1	554.29
	2	438.58
	3	284.76
15. Monthly Abandonment Surcharge <sup>2</sup>	\$11.38/10 <sup>3</sup> m <sup>3</sup> /month	\$0.30/GJ/month
16. Daily Abandonment Surcharge <sup>3</sup>	\$0.37/10 <sup>3</sup> m <sup>3</sup> /day	\$0.0099/GJ/day

1. Service under rate Schedules FT-D, FT-P and IT-D for delivery stations identified in Attachment 2, and stations identified on rate Schedules OS No. 2011476092, are subject to the ATCO Pipelines Franchise Fees pursuant to paragraph 15.13 of the General Terms and Conditions.

2. Monthly Abandonment Surcharge applicable to Rate Schedules FT-R, FT-D, FT-P, FT-RN, FT-DW, STFT, LRS-3, and the following Rate Schedules OS: 2016800075, 2016800076, 2016800077, 2016800078, and 2016805891.

3. Daily Abandonment Surcharge applicable to Rate Schedules IT-R, IT-D, LRS, the following Rate Schedules OS: 2011476052, 2011476054, 2011475056, 2011476092, 2016721799, 2016759254, 2003004522, and if applicable Over-Run Gas.

NOVA Gas Transmission Ltd.

Group 1 Delivery Point Number	Group 1 Delivery Point Name	FT-D Demand Rate per Month Price Point "Z" (\$/GJ)	IT-D Rate per Day (\$/GJ)
2000	ALBERTA-B.C. BORDER	5.37	0.1941
31111	ALLIANCE CLAIRMONT INTERCONNECT APN	5.37	0.1941
31110	ALLIANCE EDSON INTERCONNECT APN	5.37	0.1941
31112	ALLIANCE SHELL CREEK INTERCONNECT APGC	5.37	0.1941
3002	BOUNDARY LAKE BORDER	5.37	0.1941
1958	EMPRESS BORDER	5.84	0.2113
3886	GORDONDALE BORDER	5.37	0.1941
6404	MCNEILL BORDER	5.84	0.2113

Group 2 Delivery Point Number	Group 2 Delivery Point Name	FT-D Demand Rate per Month Price Point "Z" (\$/GJ)	IT-D Rate per Day (\$/GJ)	Subject to ATCO Pipelines Franchise Fees <sup>1</sup>
31000	A.T. PLASTICS SALES APN	5.37	0.1941	Yes
31001	ADM AGRI INDUSTRIES SALES APN	5.37	0.1941	Yes
3880	AECO INTERCONNECTION	5.37	0.1941	
31003	AGRIUM CARSELAND SALES APS	5.37	0.1941	
31002	AGRIUM FT. SASK SALES APN	5.37	0.1941	Yes
31004	AGRIUM REDWATER SALES APN	5.37	0.1941	
31005	AINSWORTH SALES APGP	5.37	0.1941	
31006	AIR LIQUIDE SALES APN	5.37	0.1941	
3214	AKUINU RIVER WEST SALES	5.37	0.1941	
31007	ALBERTA ENVIROFUELS SALES APN	5.37	0.1941	Yes <sup>2</sup>
31008	ALBERTA HOSPITAL SALES APN	5.37	0.1941	Yes
3868	ALBERTA-MONTANA BORDER	5.37	0.1941	
3297	ALDER FLATS SOUTH NO 2 SALES	5.37	0.1941	
3059	ALLISON CREEK SALES	5.37	0.1941	
31009	ALTASTEEL SALES APN	5.37	0.1941	Yes <sup>2</sup>
3562	AMOCO SALES (BP SALES TAP)	5.37	0.1941	
31012	APL JASPER SALES APN	5.37	0.1941	Yes
3488	ARDLEY SALES	5.37	0.1941	
3237	ASPEN SALES	5.37	0.1941	
3662	ATUSIS CREEK EAST SALES	5.37	0.1941	
3216	AURORA NO 2 SALES	5.37	0.1941	
3135	AURORA SALES	5.37	0.1941	
3288	BANTRY SALES	5.37	0.1941	
3423	BASHAW WEST SALES	5.37	0.1941	
31013	BAYMAG SALES APS	5.37	0.1941	
31014	BEAR CREEK COGEN SALES APGP	5.37	0.1941	
3299	BEAR RIVER WEST SALES	5.37	0.1941	
3068	BEAVER HILLS SALES	5.37	0.1941	
3268	BENBOW SOUTH SALES	5.37	0.1941	
3933	BIG EDDY INTERCONNECTION	5.37	0.1941	
3655	BIG PRAIRIE SALES	5.37	0.1941	
3067	BIGSTONE SALES	5.37	0.1941	
3285	BILBO SALES	5.37	0.1941	
3468	BLEAK LAKE SALES	5.37	0.1941	
3295	BOOTIS HILL SALES	5.37	0.1941	
3225	BOTHA SALES	5.37	0.1941	
3259	BOULDER CREEK SALES	5.37	0.1941	
3164	BRAINARD LAKE SALES	5.37	0.1941	
3289	BRAZEAU EAST SALES	5.37	0.1941	
3670	BRAZEAU SOUTH SALES	5.37	0.1941	
3918	BUFFALO CREEK INTERCONNECTION	5.37	0.1941	
31015	BURDETT COGEN SALES APS	5.37	0.1941	
3678	BURNT RIVER SALES	5.37	0.1941	
3265	BURNT TIMBER SALES	5.37	0.1941	
3204	CABIN SALES	5.37	0.1941	
3293	CADOGAN SALES	5.37	0.1941	
3109	CALDWELL SALES	5.37	0.1941	
31016	CALGARY ENERGY CENTRE SALES APS	5.37	0.1941	Yes
3266	CALUMET RIVER NO 2 SALES	5.37	0.1941	
3262	CALUMET RIVER SALES	5.37	0.1941	
3634	CANOE LAKE SALES	5.37	0.1941	
3165	CANOE LAKE SALES NO 2	5.37	0.1941	
3866	CARBON INTERCONNECTION	5.37	0.1941	
3484	CARIBOU LAKE SALES	5.37	0.1941	
3157	CARIBOU LAKE SOUTH SALES	5.37	0.1941	
3106	CARMON CREEK SALES	5.37	0.1941	
3101	CAROLINE SALES	5.37	0.1941	
31017	CARSELAND COGEN SALES APS	5.37	0.1941	
3275	CARSON CREEK SALES	5.37	0.1941	
3495	CAVALIER SALES	5.37	0.1941	
31018	CHAIN LAKES COOP SALES APS	5.37	0.1941	
3907	CHANCELLOR INTERCONNECTION	5.37	0.1941	
3669	CHAPEL ROCK SALES	5.37	0.1941	
3665	CHAUVIN SALES	5.37	0.1941	
3151	CHEECHAM WEST NO 2 SALES	5.37	0.1941	
3622	CHEECHAM WEST SALES	5.37	0.1941	
31019	CHEVRON FT. SASK SALES APN	5.37	0.1941	Yes

NATURAL GAS TARIFF



Canceling 43<sup>rd</sup> Revised Sheet No. 80.1  
42<sup>nd</sup> Revised Sheet No. 80.1

Schedule No. T-FTG-1

TRANSPORTATION BUSINESS UNIT  
FIRM TRANSPORTATION NATURAL GAS SERVICE

APPLICABILITY: Applicable to Shippers for firm transportation service on the Utility Transmission System under the terms of a Firm Gas Transportation Service Agreement (Agreement) between the Utility Transportation Business Unit (Utility) and Shipper and as subject to Rate Schedule General Terms and Operating Conditions (Rate Schedule GTC-1).

	<u>Total Rate</u>		<u>Tax Portion of Rate</u>		<u>Rate Without Tax</u>	
<u>RATES:</u> Net Monthly Bill:						
Monthly Service Charge per Meter:						
Meters Rated @						
<u>Cu. Ft. per hour</u>						
5,000 to 10,000	\$ 92.60	(R)			\$ 92.60	(R)
10,001 to 30,000	\$ 133.10	(R)			\$ 133.10	(R)
>30,000	\$ 295.35	(R)			\$ 295.35	(R)
<u>PLUS:</u>						
Transmission Reservation Rate (MDDQ):						
Maximum Monthly Reservation Rate for						
Maximum Daily Delivery Quantity						
(MDDQ)						
	\$ 1.0384183	(I)	\$ 0.2816500	(I)	\$ 0.7567683	(R)
Transmission Commodity Rate (Therm):						
Maximum						
	\$ 0.0080751	(I)	\$ 0.0023404	(I)	\$ 0.0057347	(R)
Minimum						
	\$ 0.0017935				\$ 0.0017935	
GTAC Amortization						
	\$ 0.0002095				\$ 0.0002095	
Balancing Penalty Rate						
	Higher of \$25.00/ Dekatherm Or 150% of Market Price					

TAX PORTION OF RATE: This rate represents the amount charged to customers for state and local taxes and fees and is separately disclosed on customer's bill.

PLUS:

OTHER APPLICABLE CHARGES: All charges contained on other applicable rate schedules approved by the Public Service Commission of Montana.

GAS TRANSPORTATION ADJUSTMENT CLAUSE: Pursuant to MPSC Order the above GTAC Amortization shall be in effect until the balance is extinguished.

MINIMUM BILL: Per respective contracts.

(continued)

**GAS RATE SCHEDULE**

**South Dakota Intrastate Pipeline Company**  
1415 N. Airport Rd  
Pierre, SD 57501

SD P.U.C. Section No. 3  
Original Sheet No. 1

Date Filed: January 24, 2001

Effective Date: January 10, 2001

TRANSPORTATION SERVICE Rate 1

Transportation rate is \$2.398 per dekatherm.

Issued By: Lisa A. Murphy, Vice President-Chief Financial Officer

NG-00-001

**STATE OF SOUTH DAKOTA**  
**GAS RATE SCHEDULE**

**South Dakota Intrastate Pipeline Company**

SD P.U.C. Section No. 4

Black Hills Gas Distribution, LLC  
d/b/a Black Hills Energy

Wyo. P.S.C. Tariff No. 1  
Second Revised Sheet No. 9  
Cancels First Sheet No. 9

Statement of Firm and Interruptible Transportation Service Rates  
Applicable to Shippers Not Receiving  
Choice Gas Service  
Rate Schedule TC 1/  
Casper Division

<u>Division</u>	<u>Receipt Point</u>	<u>Delivery Point</u>	<u>Monthly Customer Charge</u>	<u>Maximum Demand Charge 6/</u>	<u>Minimum Demand Charge 6/</u>	<u>Maximum Transportation Charge 2/</u>	<u>Minimum Transportation Charge 2/</u>	<u>Fuel Reimbursement Quantity Percentage 3/</u>
TC (Casper) Firm Transportation	MLI	MLI	\$0.00	\$9.50	\$0.00	\$0.1040	\$0.0010	0.554%
	MLI	MLE	\$145.00	\$0.00	\$0.00	\$0.1040	\$0.0010	0.554%
	MLI	DSE	\$225.00	\$0.00	\$0.00	\$0.1703	\$0.0020	1.542%
Interruptible Transportation 4/	MLI	MLI	\$0.00	\$0.00	\$0.00	\$0.0844	\$0.0010	0.554%
	MLI	MLE	\$145.00	\$0.00	\$0.00	\$0.0844	\$0.0010	0.554%
Administrative Fee 5/			\$325.00					

- 1/ Casper Division service area is defined on Sheet Nos. 2 and 3 of this Tariff.
- 2/ All charges are per therm.
- 3/ For fuel, lost and unaccounted for gas, the Company shall be entitled to retain the stated percentage of all therms received for transportation, unless otherwise agreed in writing. On or before March 1 of each year, the Company shall file with the Commission an application to revise the stated percentage to be effective June 1 of that year through May 31 of the following year. The Company shall calculate the stated percentage using not less than twelve (12) consecutive months of actual data.
- 4/ Interruptible Transportation Service is not available to DSE customers. The Customer Charge will be charged only for those months gas actually flows.
- 5/ In addition to the transportation charges stated above, Shippers are responsible for the monthly administrative fee as stated, applicable to each meter located at the customer location. For Interruptible Transportation Shippers, the Administrative Fee will be charged only for those months gas actually flows. Firm Transportation Shippers will be charged each month, regardless of gas flow.
- 6/ Per Dth of MDTQ per month.

Abbreviations (as defined in the General Terms and Conditions of this Tariff):  
 MLI Mainline System Interconnect  
 MLE Mainline System End-user  
 DSE Distribution System End-user  
 MDTQ Maximum Daily Transportation Quantity

**MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
RESIDENTIAL AND GENERAL SERVICE  
EFFECTIVE OCTOBER 2017**

<u>Billing Determinants</u>		<u>Rate 1/</u>	<u>Amount</u>
<b><u>Demand Charges</u></b>			
<b><i>Transportation</i></b>			
FT-1 MDDQ	155,014	dk/Month \$9.21000	\$17,132,147
FTN-1 MDDQ		dk/Month 0.24274	
Northern Border et. al.		dk/Month 0.35420	
T-FTG-1 MDDQ		dk/Month 10.42826	
Black Hills Gas		dk/Month 7.32500	
<b><i>Storage</i></b>			
FS-1 Capacity Reservation		dk/Month 0.01757	
FS-1 Deliverability Reservation		dk/Month 2.01507	
<b>Total Demand Charges</b>			<u>21,642,136</u>
<b><u>Commodity Charges</u></b>			
<b><i>Transportation Charges</i></b>			
FT-1 Commodity		dk 0.02972	
Fuel - Transp. WBI		dk	
Electric Power WBI		dk 0.01472	
Fuel - Transp. NB		dk	
T-FTG-1 Commodity		dk 0.08285	
Fuel - Transp. NW		dk	
SDIP		dk 2.39800	
Black Hills Gas		dk 0.08000	
<b><i>Storage Charges</i></b>			
FS-1 Injection		dk 0.01221	
FS-1 Withdrawal		dk 0.01221	
Fuel - Storage		dk	
Electric Power WBI		dk 0.00431	
<b><i>Gas Commodity Charges</i></b>			
Gas Commodity - System	15,895,844	dk	2/
<b>Total Commodity Charges</b>			<u>40,758,669</u>
<b><u>Return on Rate Base</u></b>			
Demand Charges 3/			101,758
Prepaid Commodity Balances 3/			29,435
Cycle Storage Balances 3/			<u>494,580</u>
<b>Total Return</b>			625,773
<b>Total Gas Costs</b>			\$63,026,578
<b>Residential and General Service dk Requirements 4/</b>			15,895,844
Average Cost of Gas per dk			\$3.965
Average Cost of Gas as Adjusted for Losses @ 99.55%			3.983
Less: Gas Cost Level in Rates 5/			4.011
<b>Current Gas Cost Adjustment</b>			<u><u>(\$0.028)</u></u>

1/ WBI Energy's Thirteenth Revised Sheet No. 12, Third Revised Sheet No. 15, Fourteenth Revised Sheet No. 18 and SENDOUT Model for Gas Commodity.

2/ Weighted cost of gas for the month of October 2017.

3/ Exhibit C.

4/ Normalized dk sales for the twelve months ended June 30, 2017, adjusted for losses at .45%.

5/ Gas Cost Level in Current Tariff Rates Case No. PU-17-008 effective May 1, 2017:

Cost of Purchased Gas	\$3.993
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$4.011

**MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
INTERRUPTIBLE  
EFFECTIVE OCTOBER 2017**

<u>Interruptible Billing Determinants 1/</u>	<u>Rate 2/</u>	<u>Amount</u>
<b><u>Demand Charges</u></b>		
<b><i>Transportation</i></b>		
FT-1 MDDQ	16,679 dk/Month	\$9.21000
FTN-1 MDDQ	dk/Month	0.24274
Northern Border et. al.	dk/Month	0.35420
T-FTG-1 MDDQ	dk/Month	10.42826
Black Hills Gas	dk/Month	7.32500
<b><i>Storage</i></b>		
FS-1 Capacity Reservation	dk/Month	0.01757
FS-1 Deliverability Reservation	dk/Month	2.01507
<b>Total Demand Charges</b>		2,331,572
<b><u>Commodity Charges</u></b>		
<b><i>Transportation Charges</i></b>		
FT-1 Commodity	dk	0.02972
Fuel - Transp. WBI	dk	
Electric Power WBI	dk	0.01472
Fuel - Transp. NB	dk	
T-FTG-1 Commodity	dk	0.08285
Fuel - Transp. NW	dk	
SDIP	dk	2.39800
Black Hills Gas	dk	0.08000
<b><i>Storage Charges</i></b>		
FS-1 Injection	dk	0.01221
FS-1 Withdrawal	dk	0.01221
Fuel - Storage	dk	
Electric Power WBI	dk	0.00431
<b><i>Gas Commodity Charges</i></b>		
Gas Commodity	6,198,292 dk	3/
<b>Total Commodity Charges</b>		15,530,313
<b><u>Return on Rate Base</u></b>		
Demand Charges 4/		11,148
Transportation Balances 4/		3,225
Cycle Storage Balances 4/		54,182
<b>Total Return</b>		68,555
<b>Total Gas Costs</b>		
		\$17,930,440
<b>Interruptible Service dk Requirements</b>		
		6,198,292
Average Cost of Gas per dk		
		\$2.893
Average Cost of Gas as Adjusted for Losses @ 99.55%		
		2.906
Less: Gas Cost Level in Rates 5/		
		2.972
<b>Current Gas Cost Adjustment</b>		<b>(\$0.066)</b>

1/ Reflects level of interruptible dk volumes included in Case No. PU-13-803, excluding the Air Force.

2/ WBI Energy's Thirteenth Revised Sheet No. 12, Third Revised Sheet No. 15, Fourteenth Revised Sheet No. 18 and SENDOUT Model for Gas Commodity.

3/ Weighted cost of gas for the month of October 2017.

4/ See Exhibit B, page 1. Allocated to interruptible on MDDQ.

5/ Gas Cost Level in Current Tariff Rates Case No. PU-17-008 effective May 1, 2017:

Cost of Purchased Gas	\$2.959
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$2.972

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MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
AIR FORCE INTERRUPTIBLE  
EFFECTIVE OCTOBER 2017

<u>Air Force Billing Determinants</u>		<u>Rate 1/</u>	<u>Amount</u>
<b><u>Demand Charges</u></b>			
<b><i>Transportation</i></b>			
FT-1 MDDQ	1,290	dk/Month \$9.21000	\$142,571
FTN-1 MDDQ		dk/Month 0.24274	
Northern Border et. al.		dk/Month 0.35420	
T-FTG-1 MDDQ		dk/Month 10.42826	
Black Hills Gas		dk/Month 7.32500	
<b><i>Storage</i></b>			
FS-1 Capacity Reservation		dk/Month 0.01757	
FS-1 Deliverability Reservation		dk/Month 2.01507	
<b><i>Total Demand Charges</i></b>			<u>180,268</u>
<b><u>Commodity Charges</u></b>			
<b><i>Transportation Charges</i></b>			
FT-1 Commodity		dk 0.02972	
Fuel - Trans. WBI		dk	
Electric Power WBI		dk 0.01472	
Fuel - Trans. NB		dk	
T-FTG-1 Commodity		dk 0.08285	
Fuel - Transp. NW		dk	
SDIP		dk 2.39800	
Black Hills Gas		dk 0.08000	
<b><i>Storage Charges</i></b>			
FS-1 Injection		dk 0.01221	
FS-1 Withdrawal		dk 0.01221	
Fuel - Storage		dk	
Electric Power WBI		dk 0.00431	
<b><i>Gas Commodity Charges</i></b>			
Gas Commodity	479,120	dk	2/ <u>1,200,468</u>
<b><i>Total Commodity Charges</i></b>			
<b><u>Return on Rate Base</u></b>			
Demand Charges 3/			862
Transportation Balances 3/			249
Cycle Storage Balances 3/			<u>4,189</u>
<b><i>Total Return</i></b>			5,300
<b>Total Gas Costs</b>			\$1,386,036
100% Load Factor dk Requirements			479,120
Average Cost of Gas per dk			\$2.893
Less: Gas Cost Level in Rates 4/			<u>2.959</u>
<b>Current Gas Cost Adjustment</b>			<b><u><u>(\$0.066)</u></u></b>

1/ WBI Energy's Thirteenth Revised Sheet No. 12, Third Revised Sheet No. 15, Fourteenth Revised Sheet No. 18 and SENDOUT Model for Gas Commodity.

2/ Weighted cost of gas for the month of October 2017.

3/ See Exhibit B, page 1. Allocated to 100% Load Factor on MDDQ.

4/ Gas Cost Level in Current Tariff Rates Case No. PU-17-008 effective May 1, 2017:  
Cost of Purchased Gas \$2.959

**MONTANA-DAKOTA UTILITIES CO.  
RETURN ON CYCLE STORAGE BALANCES  
AND PREPAID DEMAND AND COMMODITY BALANCES  
NORTH DAKOTA GAS  
EFFECTIVE OCTOBER 2017**

	General Service		
	Storage Balance 1/	Commodity Balance 2/	Prepaid Demand
October 2016	\$10,967,115	\$473,214	\$4,273,761
November	10,413,738	458,092	3,462,679
December	6,605,160	332,299	1,616,680
January 2017	1,946,860	204,515	(428,679)
February	(180,474)	145,577	(1,936,827)
March	(1,502,590)	108,947	(2,800,830)
April	(1,232,644)	116,194	(2,561,360)
May	546,231	168,475	(1,477,781)
June	2,792,020	222,076	(53,274)
July	5,288,292	280,637	1,411,620
August	7,743,638	360,949	2,874,821
September	9,672,170	432,349	4,159,124
October	9,765,831	435,770	4,386,178
13 month average	<u>\$4,832,719</u>	<u>\$287,623</u>	<u>\$994,316</u>
Rate of Return	7.340%	7.340%	7.340%
Return	\$354,722	\$21,112	\$72,983
Return Requirement	<u>\$494,580</u>	<u>\$29,435</u>	<u>\$101,758</u>

1/ Monthly balance from SENDOUT Model, allocated to North Dakota on ratio of storage capacity MDDQ.

2/ Monthly balance allocated to North Dakota on sales volumes.

**MONTANA-DAKOTA UTILITIES CO.  
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ADJUSTMENT  
APPLICABLE TO NORTH DAKOTA  
FIRM  
TO BE EFFECTIVE OCTOBER 1, 2017 THROUGH SEPTEMBER 30, 2018**

(Over)/under recovered gas costs @ July 31, 2017 \$333,122

Less: Projected recovery from rates already established

	Volume	Rate	Amount
August	253,000	(\$0.112)	(28,336)
September	386,000	(0.112)	(43,232)
	639,000		(71,568)

Additional recovery required \$404,690

Projected sales volumes (dk)

October 2017	1,172,000	
November	2,012,000	
December	2,764,000	
January 2018	2,976,000	
February	2,520,000	
March	2,085,000	
April	1,206,000	
May	541,000	
June	251,000	
July	258,000	
August	258,000	
September	394,000	
Total		<u>16,437,000</u>

Total (over)/under recovered gas cost adjustment  
to be effective October 1, 2017 through September 30, 2018 \$0.025

**MONTANA-DAKOTA UTILITIES CO.  
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ADJUSTMENT  
APPLICABLE TO NORTH DAKOTA  
INTERRUPTIBLE  
TO BE EFFECTIVE OCTOBER 1, 2017 THROUGH SEPTEMBER 30, 2018**

(Over)/under recovered gas costs @ July 31, 2017 (\$6,460)

Less: Projected recovery from rates already established

	Volume	Rate	Amount
August	32,000	(\$0.147)	(4,704)
September	43,000	(0.147)	(6,321)
	75,000		(11,025)

Additional recovery required \$4,565

Projected sales volumes (dk)

October 2017	97,000		
November	123,000		
December	117,000		
January 2018	120,000		
February	108,000		
March	92,000		
April	57,000		
May	35,000		
June	24,000		
July	28,000		
August	32,000		
September	43,000		
Total			<u>876,000</u>

Total (over)/under recovered gas cost adjustment  
to be effective October 1, 2017 through September 30, 2018 \$0.005

**MONTANA-DAKOTA UTILITIES CO.  
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ADJUSTMENT  
APPLICABLE TO NORTH DAKOTA  
AIR FORCE INTERRUPTIBLE  
TO BE EFFECTIVE OCTOBER 1, 2017 THROUGH SEPTEMBER 30, 2018**

(Over)/under recovered gas costs @ July 31, 2017 (\$11,652)

Less: Projected recovery from rates already established

	Volume	Rate	Amount
August	5,000	(\$0.230)	(1,150)
September	8,000	(0.230)	(1,840)
	13,000		(2,990)

Additional recovery required (\$8,662)

Projected sales volumes (dk)

October 2017	29,000		
November	52,000		
December	74,000		
January 2018	78,000		
February	68,000		
March	55,000		
April	32,000		
May	24,000		
June	8,000		
July	6,000		
August	5,000		
September	8,000		
Total			<u>439,000</u>

Total (over)/under recovered gas cost adjustment  
to be effective October 1, 2017 through September 30, 2018 (\$0.020)

**MONTANA-DAKOTA UTILITIES CO.  
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ACCOUNT BALANCE  
APPLICABLE TO NORTH DAKOTA  
FIRM**

	(Over) Under Recovery	Refunds & Other	Interest 1/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
<b>Balance @ July 31, 2016</b>									<b><u>(\$1,979,379)</u></b>
August	\$112,833	\$0	(\$495)	\$112,338	284,793	(\$0.310)	(\$88,286)	\$200,624	(1,778,755)
September	(37,328)	0	(430)	(37,758)	315,087	(0.310)	(97,676)	59,918	(1,718,837)
October	206,434	26,048 2/	(473)	232,009	501,460	(0.112)	(114,625) 3/	346,634	(1,372,203)
November	592,504	0	(514)	591,990	846,693	(0.112)	(94,829)	686,819	(685,384)
December	957,959	(3) 4/	(291)	957,665	1,908,024	(0.112)	(213,699)	1,171,364	485,980
January 2017	138,587	0	129	138,716	3,135,718	(0.112)	(351,199)	489,915	975,895
February	344,812	0	263	345,075	2,399,816	(0.112)	(268,779)	613,854	1,589,749
March	(1,132,113)	0	609	(1,131,504)	2,324,211	(0.112)	(260,312)	(871,192)	718,557
April	(520,919)	0	298	(520,621)	1,426,100	(0.112)	(159,723)	(360,898)	357,659
May	98,913	0	165	99,078	942,450	(0.112)	(105,554)	204,632	562,291
June	(166,451)	0	285	(166,166)	482,984	(0.112)	(54,094)	(112,072)	450,219
July	(150,962)	0	249	(150,713)	300,147	(0.112)	(33,616)	(117,097)	333,122
	<u>\$444,269</u>	<u>\$26,045</u>	<u>(\$205)</u>	<u>\$470,109</u>	<u>14,867,483</u>		<u>(\$1,842,392)</u>	<u>\$2,312,501</u>	<u><u>\$333,122</u></u>
<b>Balance @ July 31, 2017</b>									

1/ Interest calculated at Three Month Treasury Bill rate.

2/ To close out Market Based Pricing Differential balance eliminated in Case No. PU-15-90.

3/ Reflects 295,256 dk @ (\$0.310) and 206,203 dk @ (\$0.112).

4/ To close out interim reserve for refund account.

**MONTANA-DAKOTA UTILITIES CO.  
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ACCOUNT BALANCE  
APPLICABLE TO NORTH DAKOTA  
INTERRUPTIBLE**

	(Over) Under Recovery	Refunds & Other	Interest 1/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
<b>Balance @ July 31, 2016</b>									<b><u>(\$136,041)</u></b>
August	\$16,964	\$0	(\$34)	\$16,930	24,929	(\$0.018)	(\$449)	\$17,379	(118,662)
September	209	0	(29)	180	24,331	(0.018)	(438)	618	(118,044)
October	9,658	0	(32)	9,626	43,722	(0.147)	(3,479) 2/	13,105	(104,939)
November	19,836	0	(39)	19,797	91,508	(0.147)	(13,451)	33,248	(71,691)
December	16,356	0	(30)	16,326	74,838	(0.147)	(11,001)	27,327	(44,364)
January 2017	20,545	0	(12)	20,533	103,849	(0.147)	(15,267)	35,800	(8,564)
February	33,596	0	(2)	33,594	101,225	(0.147)	(14,880)	48,474	39,910
March	(54,060)	0	15	(54,045)	77,382	(0.147)	(11,375)	(42,670)	(2,760)
April	(28,846)	0	(1)	(28,847)	73,226	(0.147)	(10,764)	(18,083)	(20,843)
May	4,669	0	(9)	4,660	46,829	(0.147)	(6,884)	11,544	(9,299)
June	(2,689)	0	(4)	(2,693)	26,856	(0.147)	(3,948)	1,255	(8,044)
July	(1,578)	0	(4)	(1,582)	21,542	(0.147)	(3,166)	1,584	(6,460)
	<u>\$34,660</u>	<u>\$0</u>	<u>(\$181)</u>	<u>\$34,479</u>	<u>710,237</u>		<u>(\$95,102)</u>	<u>\$129,581</u>	<b><u>(\$6,460)</u></b>
<b>Balance @ July 31, 2017</b>									

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 22,855 dk @ (\$0.018) and 20,866 dk @ (\$0.147).

**MONTANA-DAKOTA UTILITIES CO.**  
**COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ACCOUNT BALANCE**  
**APPLICABLE TO NORTH DAKOTA**  
**AIR FORCE**

	(Over) Under Recovery	Refunds & Other	Interest 1/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
<b>Balance @ July 31, 2016</b>									<b><u>(\$86,618)</u></b>
August	\$3,685	\$0	(\$22)	\$3,663	3,440	(\$0.089)	(\$306)	\$3,969	(82,649)
September	(124)	0	(20)	(144)	3,534	(0.089)	(315)	171	(82,478)
October	1,745	0	(23)	1,722	8,139	(0.230)	(725) 2/	2,447	(80,031)
November	3,185	0	(30)	3,155	26,641	(0.230)	(6,128)	9,283	(70,748)
December	7,674	0	(30)	7,644	33,622	(0.230)	(7,733)	15,377	(55,371)
January 2017	4,349	0	(15)	4,334	73,030	(0.230)	(16,797)	21,131	(34,240)
February	29,544	0	(9)	29,535	69,662	(0.230)	(16,022)	45,557	11,317
March	(35,558)	0	4	(35,554)	54,011	(0.230)	(12,424)	(23,130)	(11,813)
April	(22,955)	0	(5)	(22,960)	53,547	(0.230)	(12,315)	(10,645)	(22,458)
May	5,107	0	(10)	5,097	30,451	(0.230)	(7,004)	12,101	(10,357)
June	(3,873)	0	(5)	(3,878)	13,740	(0.230)	(3,160)	(718)	(11,075)
July	(1,810)	0	(6)	(1,816)	5,388	(0.230)	(1,239)	(577)	(11,652)
	<u>(\$9,031)</u>	<u>\$0</u>	<u>(\$171)</u>	<u>(\$9,202)</u>	<u>375,205</u>		<u>(\$84,168)</u>	<u>\$74,966</u>	<b><u>(\$11,652)</u></b>
<b>Balance @ July 31, 2017</b>									

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 8,139 dk @ (\$0.089) and 0 dk @ (\$0.023).

**MONTANA-DAKOTA UTILITIES CO.**  
**CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS**  
**APPLICABLE TO NORTH DAKOTA**  
**FIRM**

	Residential and Firm General			Total	Seasonal	Total
	1/	2/	3/			
<u>August 2016</u>						
Cost of Gas - Actual	\$3.56543	\$3.85885	\$3.56543		\$2.67364	
Cost of Gas - Recovered	3.86200	3.11100	3.11100		2.01300	
(Over) Under recovery per dk	(\$0.29657)	\$0.74785	\$0.45443		\$0.66064	
dk billed	93,658	181,208	7,102	281,968	2,825	284,793
(Over) Under recovery	(\$27,776)	\$135,516	\$3,227	\$110,967	\$1,866	\$112,833
<u>September 2016</u>						
Cost of Gas - Actual	\$3.88470	\$3.56543	\$3.88470		\$2.74478	
Cost of Gas - Recovered	3.69200	3.86200	3.86200		2.76400	
(Over) Under recovery per dk	\$0.19270	(\$0.29657)	\$0.02270		(\$0.01922)	
dk billed	112,587	199,091	2,114	313,792	1,295	315,087
(Over) Under recovery	\$21,695	(\$59,046)	\$48	(\$37,303)	(\$25)	(\$37,328)
<u>October 2016</u>						
Cost of Gas - Actual	\$4.41702	\$3.88470	\$4.41702		\$2.81818	
Cost of Gas - Recovered	3.76700	3.69200	3.69200		2.59400	
(Over) Under recovery per dk	\$0.65002	\$0.19270	\$0.72502		\$0.22418	
dk billed	206,203	265,828	29,110	501,141	319	501,460
(Over) Under recovery	\$134,036	\$51,222	\$21,105	\$206,363	\$71	\$206,434
<u>November 2016</u>						
Cost of Gas - Actual	\$4.70967	\$4.41702	\$4.70967		\$4.05115	
Cost of Gas - Recovered	3.76700	3.76700	3.76700		3.87400	
(Over) Under recovery per dk	\$0.94267	\$0.65002	\$0.94267		\$0.17715	
dk billed	0 4/	701,684	144,617	846,301	392	846,693
(Over) Under recovery	\$0	\$456,109	\$136,326	\$592,435	\$69	\$592,504
<u>December 2016</u>						
Cost of Gas - Actual	\$3.82568	\$4.70967	\$3.82568		\$4.06656	
Cost of Gas - Recovered	3.93400	3.76700	3.76700		3.87400	
(Over) Under recovery per dk	(\$0.10832)	\$0.94267	\$0.05868		\$0.19256	
dk billed	678,936	1,085,189	143,283	1,907,408	616	1,908,024
(Over) Under recovery	(\$73,542)	\$1,022,975	\$8,408	\$957,841	\$118	\$957,959
<u>January 2017</u>						
Cost of Gas - Actual	\$4.50723	\$3.82568	\$4.50723		\$4.60316	
Cost of Gas - Recovered	4.13400	3.93400	3.93400		4.04100	
(Over) Under recovery per dk	\$0.37323	(\$0.10832)	\$0.57323		\$0.56216	
dk billed	1,052,732	2,125,075	(42,977)	3,134,830	888	3,135,718
(Over) Under recovery	\$392,911	(\$230,188)	(\$24,636)	\$138,087	\$500	\$138,587

**MONTANA-DAKOTA UTILITIES CO.**  
**CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS**  
**APPLICABLE TO NORTH DAKOTA**  
**FIRM**

	Residential and Firm General				Seasonal	Total
	1/	2/	3/	Total		
<u>February 2017</u>						
Cost of Gas - Actual	\$4.50492	\$4.50723	\$4.50492		\$4.39499	
Cost of Gas - Recovered	4.99700	4.13400	4.13400		4.24000	
(Over) Under recovery per dk	(\$0.49208)	\$0.37323	\$0.37092		\$0.15499	
dk billed	636,648	1,839,491	(77,043)	2,399,096	720	2,399,816
(Over) Under recovery	(\$313,275)	\$686,553	(\$28,577)	\$344,701	\$111	\$344,812
<u>March 2017</u>						
Cost of Gas - Actual	\$3.77886	\$4.50492	\$3.77886		\$3.89840	
Cost of Gas - Recovered	4.28900	4.99700	4.99700		5.10400	
(Over) Under recovery per dk	(\$0.51014)	(\$0.49208)	(\$1.21814)		(\$1.20560)	
dk billed	812,242	1,548,094	(36,873)	2,323,463	748	2,324,211
(Over) Under recovery	(\$414,357)	(\$761,770)	\$44,916	(\$1,131,211)	(\$902)	(\$1,132,113)
<u>April 2017</u>						
Cost of Gas - Actual	\$4.03617	\$3.77886	\$4.03617		\$4.07635	
Cost of Gas - Recovered	3.85600	4.28900	4.28900		4.39800	
(Over) Under recovery per dk	\$0.18017	(\$0.51014)	(\$0.25283)		(\$0.32165)	
dk billed	349,147	1,210,608	(134,193)	1,425,562	538	1,426,100
(Over) Under recovery	\$62,906	(\$617,580)	\$33,928	(\$520,746)	(\$173)	(\$520,919)
<u>May 2017</u>						
Cost of Gas - Actual	\$3.67044	\$4.03617	\$3.67044		\$3.98524	
Cost of Gas - Recovered	4.01100	3.85600	3.85600		3.96400	
(Over) Under recovery per dk	(\$0.34056)	\$0.18017	(\$0.18556)		\$0.02124	
dk billed	256,700	857,111	(171,903)	941,908	542	942,450
(Over) Under recovery	(\$87,424)	\$154,426	\$31,900	\$98,902	\$11	\$98,913
<u>June 2017</u>						
Cost of Gas - Actual	\$3.63071	\$3.67044	\$3.63071		\$4.30233	
Cost of Gas - Recovered	4.01100	4.01100	4.01100		4.11900	
(Over) Under recovery per dk	(\$0.38029)	(\$0.34056)	(\$0.38029)		\$0.18333	
dk billed	908	403,057	76,866	480,831	2,153	482,984
(Over) Under recovery	(\$346)	(\$137,269)	(\$29,231)	(\$166,846)	\$395	(\$166,451)
<u>July 2017</u>						
Cost of Gas - Actual	\$2.98859	\$3.63071	\$2.98859		\$2.93008	
Cost of Gas - Recovered	4.01100	4.01100	4.01100		2.92900	
(Over) Under recovery per dk	(\$1.02241)	(\$0.38029)	(\$1.02241)		\$0.00108	
dk billed	0 4/	236,986	59,509	296,495	3,651	300,147
(Over) Under recovery	\$0	(\$90,123)	(\$60,843)	(\$150,966)	\$4	(\$150,962)

1/ Consumed in current month.

2/ Consumed in prior month.

3/ True-up of prior month volumes.

4/ No change in the PGA. Current month volumes are included in the true-up.

**MONTANA-DAKOTA UTILITIES CO.  
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS  
APPLICABLE TO NORTH DAKOTA  
INTERRUPTIBLE**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>August 2016</u>				
Cost of Gas - Actual	\$2.76560	\$2.87441	\$2.76560	
Cost of Gas - Recovered	2.80000	2.04900	2.04900	
(Over) Under recovery per dk	(\$0.03440)	\$0.82541	\$0.71660	
dk billed	3,507	15,934	5,488	24,929
(Over) Under recovery	(\$121)	\$13,152	\$3,933	\$16,964
<u>September 2016</u>				
Cost of Gas - Actual	\$2.83591	\$2.76560	\$2.83591	
Cost of Gas - Recovered	2.62800	2.80000	2.80000	
(Over) Under recovery per dk	\$0.20791	(\$0.03440)	\$0.03591	
dk billed	3,104	17,054	4,173	24,331
(Over) Under recovery	\$645	(\$586)	\$150	\$209
<u>October 2016</u>				
Cost of Gas - Actual	\$2.92918	\$2.83591	\$2.92918	
Cost of Gas - Recovered	2.72400	2.62800	2.62800	
(Over) Under recovery per dk	\$0.20518	\$0.20791	\$0.30118	
dk billed	20,866	16,151	6,705	43,722
(Over) Under recovery	\$4,281	\$3,358	\$2,019	\$9,658
<u>November 2016</u>				
Cost of Gas - Actual	\$2.95313	\$2.92918	\$2.95313	
Cost of Gas - Recovered	2.72400	2.72400	2.72400	
(Over) Under recovery per dk	\$0.22913	\$0.20518	\$0.22913	
dk billed	0 4/	47,283	44,225	91,508
(Over) Under recovery	\$0	\$9,702	\$10,134	\$19,836
<u>December 2016</u>				
Cost of Gas - Actual	\$2.96810	\$2.95313	\$2.96810	
Cost of Gas - Recovered	2.90700	2.72400	2.72400	
(Over) Under recovery per dk	\$0.06110	\$0.22913	\$0.24410	
dk billed	6,239	51,473	17,126	74,838
(Over) Under recovery	\$381	\$11,794	\$4,181	\$16,356
<u>January 2017</u>				
Cost of Gas - Actual	\$3.52740	\$2.96810	\$3.52740	
Cost of Gas - Recovered	3.10300	2.90700	2.90700	
(Over) Under recovery per dk	\$0.42440	\$0.06110	\$0.62040	
dk billed	8,278	75,559	20,012	103,849
(Over) Under recovery	\$3,513	\$4,617	\$12,415	\$20,545

**MONTANA-DAKOTA UTILITIES CO.  
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS  
APPLICABLE TO NORTH DAKOTA  
INTERRUPTIBLE**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>February 2017</u>				
Cost of Gas - Actual	\$3.31358	\$3.52740	\$3.31358	
Cost of Gas - Recovered	3.97400	3.10300	3.10300	
(Over) Under recovery per dk	(\$0.66042)	\$0.42440	\$0.21058	
dk billed	6,066	82,142	13,017	101,225
(Over) Under recovery	(\$4,006)	\$34,861	\$2,741	\$33,596
<u>March 2017</u>				
Cost of Gas - Actual	\$2.82801	\$3.31358	\$2.82801	
Cost of Gas - Recovered	3.25400	3.97400	3.97400	
(Over) Under recovery per dk	(\$0.42599)	(\$0.66042)	(\$1.14599)	
dk billed	6,330	61,909	9,143	77,382
(Over) Under recovery	(\$2,696)	(\$40,886)	(\$10,478)	(\$54,060)
<u>April 2017</u>				
Cost of Gas - Actual	\$2.98380	\$2.82801	\$2.98380	
Cost of Gas - Recovered	2.82000	3.25400	3.25400	
(Over) Under recovery per dk	\$0.16380	(\$0.42599)	(\$0.27020)	
dk billed	4,078	69,515	(367)	73,226
(Over) Under recovery	\$668	(\$29,613)	\$99	(\$28,846)
<u>May 2017</u>				
Cost of Gas - Actual	\$2.75159	\$2.98380	\$2.75159	
Cost of Gas - Recovered	2.97200	2.82000	2.82000	
(Over) Under recovery per dk	(\$0.22041)	\$0.16380	(\$0.06841)	
dk billed	3,714	36,333	6,782	46,829
(Over) Under recovery	(\$819)	\$5,952	(\$464)	\$4,669
<u>June 2017</u>				
Cost of Gas - Actual	\$3.05187	\$2.75159	\$3.05187	
Cost of Gas - Recovered	2.97200	2.97200	2.97200	
(Over) Under recovery per dk	\$0.07987	(\$0.22041)	\$0.07987	
dk billed	0 4/	16,099	10,757	26,856
(Over) Under recovery	\$0	(\$3,548)	\$859	(\$2,689)
<u>July 2017</u>				
Cost of Gas - Actual	\$2.41994	\$3.05187	\$2.41994	
Cost of Gas - Recovered	2.97200	2.97200	2.97200	
(Over) Under recovery per dk	(\$0.55206)	\$0.07987	(\$0.55206)	
dk billed	0 4/	16,322	5,220	21,542
(Over) Under recovery	\$0	\$1,304	(\$2,882)	(\$1,578)

1/ Consumed in current month.

2/ Consumed in prior month.

3/ True-up of prior month volumes.

4/ No change in the PGA. Current month volumes are included in the true-up.

**MONTANA-DAKOTA UTILITIES CO.**  
**CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS**  
**APPLICABLE TO NORTH DAKOTA**  
**AIR FORCE**

	<u>1/</u>	<u>2/</u>	<u>Total</u>
<u>August 2016</u>			
Cost of Gas - Actual	\$3.10812	\$2.75362	
Cost of Gas - Recovered	2.04000	2.04000	
(Over) Under recovery per dk	<u>\$1.06812</u>	<u>\$0.71362</u>	
dk billed	3,470	(30)	3,440
(Over) Under recovery	<u>\$3,706</u>	<u>(\$21)</u>	\$3,685
<u>September 2016</u>			
Cost of Gas - Actual	\$2.75362	\$2.82341	
Cost of Gas - Recovered	2.78700	2.78700	
(Over) Under recovery per dk	<u>(\$0.03338)</u>	<u>\$0.03641</u>	
dk billed	3,623	(89)	3,534
(Over) Under recovery	<u>(\$121)</u>	<u>(\$3)</u>	(\$124)
<u>October 2016</u>			
Cost of Gas - Actual	\$2.82341	\$2.17027	
Cost of Gas - Recovered	2.61700	2.61700	
(Over) Under recovery per dk	<u>\$0.20641</u>	<u>(\$0.44673)</u>	
dk billed	8,238	(99)	8,139
(Over) Under recovery	<u>\$1,701</u>	<u>\$44</u>	\$1,745
<u>November 2016</u>			
Cost of Gas - Actual	\$2.17027	\$2.94016	
Cost of Gas - Recovered	2.71200	2.71200	
(Over) Under recovery per dk	<u>(\$0.54173)</u>	<u>\$0.22816</u>	
dk billed	3,758	22,883	26,641
(Over) Under recovery	<u>(\$2,036)</u>	<u>\$5,221</u>	\$3,185
<u>December 2016</u>			
Cost of Gas - Actual	\$2.94016	\$2.95454	
Cost of Gas - Recovered	2.71200	2.71200	
(Over) Under recovery per dk	<u>\$0.22816</u>	<u>\$0.24254</u>	
dk billed	33,448	174	33,622
(Over) Under recovery	<u>\$7,632</u>	<u>\$42</u>	\$7,674
<u>January 2017</u>			
Cost of Gas - Actual	\$2.95454	\$3.51221	
Cost of Gas - Recovered	2.89400	2.89400	
(Over) Under recovery per dk	<u>\$0.06054</u>	<u>\$0.61821</u>	
dk billed	73,159	(129)	73,030
(Over) Under recovery	<u>\$4,429</u>	<u>(\$80)</u>	\$4,349

**MONTANA-DAKOTA UTILITIES CO.**  
**CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS**  
**APPLICABLE TO NORTH DAKOTA**  
**AIR FORCE**

	<u>1/</u>	<u>2/</u>	<u>Total</u>
<u>February 2017</u>			
Cost of Gas - Actual	\$3.51221	\$3.29765	
Cost of Gas - Recovered	3.08900	3.08900	
(Over) Under recovery per dk	<u>\$0.42321</u>	<u>\$0.20865</u>	
dk billed	69,952	(290)	69,662
(Over) Under recovery	<u>\$29,605</u>	<u>(\$61)</u>	\$29,544
<u>March 2017</u>			
Cost of Gas - Actual	\$3.29765	\$2.81470	
Cost of Gas - Recovered	3.95600	3.95600	
(Over) Under recovery per dk	<u>(\$0.65835)</u>	<u>(\$1.14130)</u>	
dk billed	54,012	(1)	54,011
(Over) Under recovery	<u>(\$35,559)</u>	<u>\$1</u>	(\$35,558)
<u>April 2017</u>			
Cost of Gas - Actual	\$2.81470	\$2.97133	
Cost of Gas - Recovered	3.23900	3.23900	
(Over) Under recovery per dk	<u>(\$0.42430)</u>	<u>(\$0.26767)</u>	
dk billed	55,046	(1,499)	53,547
(Over) Under recovery	<u>(\$23,356)</u>	<u>\$401</u>	(\$22,955)
<u>May 2017</u>			
Cost of Gas - Actual	\$2.97133	\$2.67514	
Cost of Gas - Recovered	2.80700	2.80700	
(Over) Under recovery per dk	<u>\$0.16433</u>	<u>(\$0.13186)</u>	
dk billed	30,799	(348)	30,451
(Over) Under recovery	<u>\$5,061</u>	<u>\$46</u>	\$5,107
<u>June 2017</u>			
Cost of Gas - Actual	\$2.67514	\$2.60118	
Cost of Gas - Recovered	2.95900	2.95900	
(Over) Under recovery per dk	<u>(\$0.28386)</u>	<u>(\$0.35782)</u>	
dk billed	14,113	(373)	13,740
(Over) Under recovery	<u>(\$4,006)</u>	<u>\$133</u>	(\$3,873)
<u>July 2017</u>			
Cost of Gas - Actual	\$2.60118	\$1.13327	
Cost of Gas - Recovered	2.95900	2.95900	
(Over) Under recovery per dk	<u>(\$0.35782)</u>	<u>(\$1.82573)</u>	
dk billed	5,467	(80)	5,388
(Over) Under recovery	<u>(\$1,956)</u>	<u>\$146</u>	(\$1,810)

1/ Consumed in prior month.

2/ True-up of prior month volumes.

**MONTANA-DAKOTA UTILITIES CO.  
NORTH DAKOTA GAS  
GRAIN DRYING MARGIN SHARING PROVISION  
EFFECTIVE OCTOBER 1, 2017 THROUGH SEPTEMBER 30, 2018**

Rate 71 Grain Drying Credit - Balance @ 7/31/16		\$120,997
Additional Credits 1/		186,949
Reduction to Credit Balance		<u>105,862</u>
Balance @ 7/31/17		<u>\$202,084</u>
Less: Projected recovery from current amortization		
	<u>Dk</u>	<u>Rate</u>
August	253,000	\$0.007
September	<u>386,000</u>	0.007
	639,000	<u>\$4,473</u>
Balance @ 9/30/17		<u>\$197,611</u>
Projected Residential & General Service Sales Volumes		16,437,000
Grain Drying Margin Sharing Provision		<u>\$0.012</u>

1/ Represents 90% of margin from Grain Drying sales as show on Exhibit E, page 2.

**MONTANA-DAKOTA UTILITIES CO.  
NORTH DAKOTA GAS  
GRAIN DRYING MARGIN SHARING PROVISION  
EFFECTIVE OCTOBER 1, 2017 THROUGH SEPTEMBER 30, 2018**

<u>Additional Credits</u>	<u>Grain Drying Sales</u>	<u>Distribution Charge</u>	<u>Distribution Delivery Revenue</u>	<u>Basic Service Charge</u>
August 2016	1,539.4	\$1.112	\$1,712	\$5,600
September	4,151.4	1.112	4,616	5,600
October	15,260.4	1.112	16,970	5,775
November	26,762.6	1.112	29,760	5,425
December	25,928.3	1.112	28,832	5,600
January 2017	7,808.0	1.112	8,682	5,600
February	10,072.8	1.112	11,201	5,600
March	9,640.5	1.112	10,720	5,600
April	12,206.5	1.112	13,574	5,571
May	5,774.9	1.112	6,422	5,600
June	2,620.5	1.112	2,914	6,825
July	2,424.0	1.112	2,695	6,825
Total	<u>124,189.3</u>		<u>\$138,098</u>	<u>\$69,621</u>

<u>Additional Credits</u>	<u>Total Margin</u>	<u>Grain Drying Margin Sharing Provision @ 90%</u>
August 2016	\$7,312	\$6,581
September	10,216	9,194
October	22,745	20,471
November	35,185	31,667
December	34,432	30,989
January 2017	14,282	12,854
February	16,801	15,121
March	16,320	14,688
April	19,145	17,231
May	12,022	10,820
June	9,739	8,765
July	9,520	8,568
Total	<u>\$207,719</u>	<u>\$186,949</u>

MONTANA-DAKOTA UTILITIES CO.  
COST OF GAS - PROPANE  
NORTH DAKOTA  
EFFECTIVE OCTOBER 2017

Cost of Purchased Propane	\$13,497
Gallons Purchased	20,765
Projected dk Sales	1,900
Propane Cost per Dk	\$7.104
Average Cost of Propane as Adjusted for Losses @ 99.55%	7.136
Less: Propane Cost Level in Rates 1/	<u>6.038</u>
Current Propane Cost Adjustment	<u><u>\$1.098</u></u>

1/ Propane Cost Level in Current Rates - Case No. PU-17-008, effective April 1, 2017.