



UTILITIES CO.

A Division of MDU Resources Group, Inc.

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

April 6, 2018

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-18-008

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 (166<sup>th</sup> Revised Sheet No. 3) showing the proposed natural gas rates, with currently effective distribution rates.

Montana-Dakota purchases gas supplies under a number of contracts. The commodity cost of gas has decreased \$0.378 per dk since the April 1, 2018 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. In addition, there has been a system wide change in demand allocation resulting in a decrease of approximately \$0.003 per dk in North Dakota.

The COG tariff sheet, Exhibit A page 1, summarizes the gas cost adjustment, the surcharge adjustment, and the grain drying margin sharing, calculated pursuant to the terms of Rate 88 that will apply during the month of May 2018.

The net effect of this filing, calculated pursuant to the terms of Rate 88, is a decrease of \$0.381 per dk for residential customers and firm general customers, a decrease of \$0.377 per dk for small and large interruptible customers, and a decrease of \$0.375 per dk for Air Force interruptible customers from the currently effective rates.

Exhibit B shows the calculation of the current gas cost adjustment that will be applicable to Montana-Dakota's customers for the month of May 2018. The average cost of gas for firm customers, adjusted for losses, is \$3.343.

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-18-008 to renew the request of confidential treatment of portions of the cost of gas calculation for 2018.

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. The revenue requirement reflects the federal income tax rate enacted in the 2017 Tax Cuts and Jobs Act.

Montana-Dakota purchases propane supplies from various wholesale suppliers. 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 May 2018. The net effect of this filing is a decrease of \$4.280 per dk for all customers from the currently effective rates as a result of the annual change in the surcharge and change in cost of propane from that established in the March 2018 PGA filing.

Exhibit D shows the calculation of the current cost of gas – propane that will be applicable to Montana-Dakota's customers for the month of May 2018. The average cost of propane for all customers, adjusted for losses, is \$7.136 per dk.

Exhibit E shows the computation of the (over)/under recovered gas cost account balances.

Exhibit F shows the calculation of the surcharge adjustment applicable to the cost of gas – propane which will apply during the period May 1, 2018 through April 30, 2019. The surcharge is (\$0.371) per dk, a decrease of \$0.987 per dk for all customers.

These proposed adjustments, calculated in accordance with Rate 88, will amount to a decrease of approximately \$219,200 for natural gas customers during the month of May 2018. All of Montana-Dakota's retail natural gas customers in North Dakota may be affected by this proposal. There were 109,863 natural gas customers and 348 propane customers in North Dakota as of March 31, 2018.

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 February 8, 2018 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

**Attachment A**

**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

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

Canceling 165<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 <sup>1</sup>	4	\$0.6443 per day	\$0.000	\$3.356	\$3.356
Air Force Rate 64 <sup>1</sup>	7	\$2,000.00 per month \$175.00 per month			
Minot Air Force Base					
PAR Site					
Firm Service			\$0.329	\$3.356	\$3.685
Interruptible Service - PAR			\$0.177	\$2.286	\$2.463
Interruptible Service - MAFB			\$0.177	\$2.251	\$2.428
Firm General Service Rate 70 <sup>1</sup>	13	\$0.67 per day \$1.90 per day			
Meters rated < 500 cubic feet					
Meters rated > 500 cubic feet			\$0.730	\$3.356	\$4.086
Small Interruptible Gas Rate 71 <sup>1</sup>	14	\$175.00 per month	(Maximum) \$1.112	\$2.286	(Maximum) \$3.398
Optional Seasonal Gas <sup>1</sup>					
Service Rate 72	15	\$0.67 per day \$1.90 per day			
Meters rated < 500 cubic feet					
Meters rated > 500 cubic feet			\$0.730	\$3.446	\$4.176
Transportation Service <sup>1</sup>	24	\$175.00 per month			
Small Interruptible Rate 81					
Maximum			\$0.668		
Minimum			\$0.102		
Large Interruptible Rate 82		\$1,000.00 per month			
Maximum			\$0.297		
Minimum			\$0.061		
Large Interruptible Gas Rate 85 <sup>1</sup>	27	\$1,000.00 per month	(Maximum) \$0.718	\$2.286	(Maximum) \$3.004
Residential Propane Rate 90 <sup>1</sup>	32	\$0.6443 per day	\$0.000	\$6.753	\$6.753
Firm General Propane Rate 92 <sup>1</sup>	34	\$0.67 per day \$1.90 per day			
Meters rated < 500 cubic feet					
Meters rated > 500 cubic feet			\$0.730	\$6.753	\$7.483

1/ Interim increase of 7.357% applicable to amounts billed under Basic Service Charge and Distribution Delivery Charge.

Date Filed: April 6, 2018

Effective Date: May 1, 2018

Issued By: Tamie A. Aberle  
Director - Regulatory Affairs

Case No.: PU-18-008

**Montana-Dakota Utilities Co.  
Market Conditions for Regional Natural Gas  
May 2018**

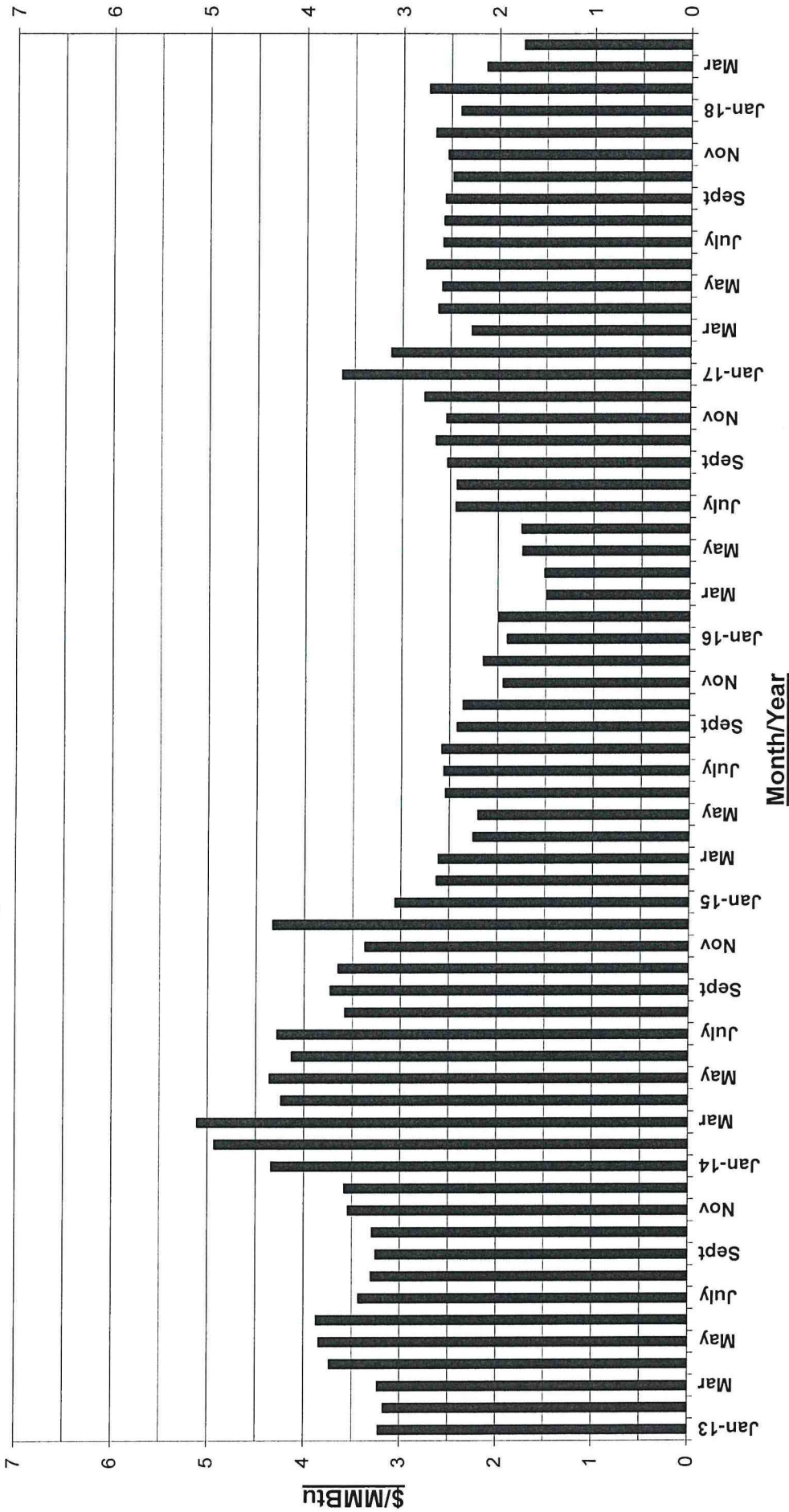
The established monthly price for the Rocky Mountain CIG Index has decreased by \$0.39/MMBTU from the previous filing to a posted \$1.74/MMBTU. The CIG Rocky Mountain Index is based on a price discovery survey by several natural gas periodicals, including "Inside FERC Gas Market" report and "Gas Daily" 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.

Rockies gas prices continue to decline upon reduced demand within the Western United States and Rocky Mountain states. There is no expected pullback in production as EIA reported that there are 190 natural gas rigs throughout the U.S. as of March 20, 2018. That is up 22.6% from last year.

The EIA reported nationwide storage levels as of March 23, 2018 at 20.0 percent below the five-year average and 32.7 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 2013-2018YTD



From Inside F.E.R.C.'s Gas Market Report  
Annual Averages: - 2016-\$2.15; 2017-\$2.70; 2018YTD-\$2.25

MONTANA-DAKOTA UTILITIES CO.  
COST OF GAS TARIFF SHEET  
NORTH DAKOTA GAS  
EFFECTIVE MAY 2018

	Firm			
	Residential & General Service	Optional Seasonal	Small & Large Interruptible	Air Force Interruptible
<b><u>Gas Cost Adjustment:</u></b>				
Gas Cost Level (Exhibit B)	\$3.343	\$3.433	\$2.281	\$2.271
Prior Filed Gas Cost	3.724	3.814	2.658	2.646
Current Gas Cost Adjustment	(\$0.381)	(\$0.381)	(\$0.377)	(\$0.375)
<b><u>Surcharge Adjustment:</u></b>				
Current Adjustment	\$0.025	\$0.025	\$0.005	(\$0.020)
Prior Filed Adjustment	0.025	0.025	0.005	(0.020)
Change in Surcharge Adjustment	\$0.000	\$0.000	\$0.000	\$0.000
Gas Cost Level	\$3.343	\$3.433	\$2.281	\$2.271
Plus: Surcharge	0.025	0.025	0.005	(0.020)
<b>Total Gas Cost Level in Tariff Rates</b>	<b>\$3.368</b>	<b>\$3.458</b>	<b>\$2.286</b>	<b>\$2.251</b>
<b><u>Grain Drying Margin Sharing</u></b>				
Current Adjustment	(\$0.012)	(\$0.012)	\$0.000	\$0.000
Prior Filed Adjustment	(0.012)	(0.012)	0.000	0.000
Change in Grain Drying Margin Sharing	\$0.000	\$0.000	\$0.000	\$0.000
<b>Total Cost of Gas Items</b>	<b>\$3.356</b>	<b>\$3.446</b>	<b>\$2.286</b>	<b>\$2.251</b>
<b>Net Increase (Decrease) in Gas Costs</b>	<b>(\$0.381)</b>	<b>(\$0.381)</b>	<b>(\$0.377)</b>	<b>(\$0.375)</b>

MONTANA-DAKOTA UTILITIES CO.  
COST OF GAS - PROPANE TARIFF SHEET  
NORTH DAKOTA PROPANE  
EFFECTIVE MAY 2018

**Cost of Gas - Propane**

Current Propane Cost (Exhibit D, Page 1)	\$7.136
Prior Filed Propane Cost	<u>10.429</u>
Current Propane Cost Adjustment	<u><u>(\$3.293)</u></u>

**Surcharge Adjustment**

Current Adjustment (Exhibit F, Page 1)	(\$0.371)
Prior Filed Adjustment	<u>0.616</u>
Change in Surcharge Adjustment	(\$0.987)

**Grain Drying Margin Sharing**

Current Adjustment	(\$0.012)
Prior Adjustment	<u>(0.012)</u>
Change in Grain Drying Margin Sharing	\$0.000
<b>Total Cost of Gas Items</b>	<u><u>\$6.753</u></u>
<b>Net Increase (Decrease) in Gas Costs</b>	<u><u>(\$4.280)</u></u>

**MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
RESIDENTIAL AND GENERAL SERVICE  
EFFECTIVE MAY 2018**

	Amount
Total Gas Costs 1/	\$52,821,464
Residential and General Service dk Requirements 2/	15,871,446
Average Cost of Gas per dk	\$3.328
Average Cost of Gas as Adjusted for Losses @ 99.55%	3.343
Less: Gas Cost Level in Rates 3/	3.724
<b>Current Gas Cost Adjustment</b>	<b>(\$0.381)</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 December 31, 2017, adjusted for losses at .45%.

3/ Gas Cost Level in Current Tariff Rates Case No. PU-18-008 effective April 1, 2018:

Cost of Purchased Gas	\$3.707
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$3.724

MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
OPTIONAL SEASONAL - RATE 72  
EFFECTIVE MAY 2018

Total Gas Costs 1/	\$52,821,464
Less: Annual MDDQ Costs	<u>17,560,869</u>
Total Gas Costs excluding MDDQ	\$35,260,595
Firm Service Requirements 1/	15,871,446
Other Gas Costs per Dk (excluding MDDQ)	\$2.222
<u>Winter - October - May</u> Annual MDDQ Costs 1/	\$17,560,869
Winter Firm Service Requirements	14,683,930
MDDQ Costs per Winter Dk	\$1.196
Add: Other Gas Costs per Dk	<u>2.222</u>
Winter Seasonal Rate	\$3.418
Winter Seasonal Rate, adjusted for losses 2/	\$3.433
Less: Gas Cost Level in Rates 3/	<u>3.814</u>
<b>Current Gas Cost Adjustment</b>	<b><u><u>(\$0.381)</u></u></b>

1/ Exhibit B, page 1.

2/ Loss factor of .45%.

3/ Gas Cost Level in Current Tariff Rates Case No. PU-18-008 effective April 1, 2018:

	<u>Winter</u>
Cost of Purchased Gas	\$3.797
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$3.814

**MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
INTERRUPTIBLE  
EFFECTIVE MAY 2018**

	Amount
Total Gas Costs 1/	\$14,074,323
Interruptible Service dk Requirements	6,198,292
Average Cost of Gas per dk	\$2.271
Average Cost of Gas as Adjusted for Losses @ 99.55%	2.281
Less: Gas Cost Level in Rates 2/	2.658
<b>Current Gas Cost Adjustment</b>	<b>(\$0.377)</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-18-008 effective April 1, 2018:
- |                                     |         |
|-------------------------------------|---------|
| Cost of Purchased Gas               | \$2.646 |
| Adjustment for Distribution Losses  | 0.9955  |
| Gas Cost Level in Base Tariff Rates | \$2.658 |



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

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  
MAY 2018 PGA**

<b>Northern Border 1/</b>	
Monchy to Mina Mileage	506.0943
Maximum Rate	<u>\$0.0272</u>
Maximum Rate Per 100 Miles	\$0.1377
<b>Foothills (FT) Zone 9</b>	
Rate (Canadian GJ/d) 2/	\$0.0660
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	<u>0.7751</u>
	0.0540
<b>NOVA - FT-D</b>	
Demand Rate (Canadian GJ/d) 4/	\$0.1557
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	<u>0.7751</u>
	0.1273
<b>Northern Border Et Al Rate</b>	<u><u>\$0.3190</u></u>

- 1/ T-1 & T-1B Daily Reservation Rate, Port of Morgan, MT to Ventura, IA effective January 1, 2018.
- 2/ Rate Schedule FT, Firm Service Zone 9, rates effective January 1, 2018.
- 3/ Exchange rate per March 29, 2018 Gas Daily.
- 4/ FT-D Demand Rate per Month, Empress/McNeill Border, rates effective January 1, 2018 (expressed as a daily rate). Includes a 10% discount rate.

**MONTANA-DAKOTA UTILITIES CO.  
NORTHWESTERN ENERGY DEMAND AND COMMODITY CHARGES  
MAY 2018 PGA**

<u>Demand:</u>	<u>Billing Determinants</u>	<u>Rate</u>	<u>Annual Charge</u>
Monthly Meter Charges 1/	12	\$295.35	\$3,544
MDDQ 2/	10,700	10.113707	1,298,600
			<u>1,302,144</u>
Demand charge per dk			<u><u>\$10.14131</u></u>
<u>Commodity: 3/</u>			
Transportation			\$0.078647
GTAC			<u>\$0.002095</u>
			<u><u>\$0.080742</u></u>

- 1/ One meter rated at >30,000 cubic feet per hour.  
2/ Firm Transportation Reservation Rate (T-FTG-1)  
45th Revised Sheet No. 80.1, effective February 1, 2018.  
3/ Firm Transmission Commodity Rate (T-FTG-1)  
45th Revised Sheet No. 80.1, effective February 1, 2018.

MONTANA-DAKOTA UTILITIES CO.  
BLACK HILLS GAS TRANSPORTATION CHARGES  
MAY 2018 PGA

<u>Demand:</u>	Billing <u>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>\$7.32500</u>
<u>Commodity: 2/</u>			
Transportation			<u>\$0.08</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."

Issued On: February 27, 2015  
 Docket Number: RP15-540-000  
 FERC Order Date: March 18, 2015

Effective On: April 1, 2015

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.

Issued On: February 27, 2015  
 Docket Number: RP15-540-000  
 FERC Order Date: March 18, 2015

Effective On: April 1, 2015

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	1.688%	(0.281)%	1.407%
L&U REIMBURSEMENT	0.281%	0.413%	0.694%

GATHERING - FIRM AND INTERRUPTIBLE

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	5.074%	(0.060)%	5.014%
L&U REIMBURSEMENT	0.129%	0.391%	0.520%

STORAGE - RATE SCHEDULES FS-1 AND IS-1

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	0.485%	(0.135)%	0.350%
L&U REIMBURSEMENT	(0.134)%	0.267%	0.133%

Issued On: March 1, 2018  
 Docket Number: RP18-511-000  
 FERC Order Date: March 19, 2018

Effective On: April 1, 2018

NOTICE OF CURRENTLY EFFECTIVE RATES  
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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	1.189	(0.029)	1.160

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	0.000	(0.025)	(0.025)

STATEMENT OF RATES

2/

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	\$0.0272
Minimum	\$0.0000
Daily Reservation Rate - Ventura, IA to North Hayden, IN	
Maximum	\$0.0292
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/ Rates in this section are subject to the Adjustment/Recollection provision pursuant to Article V.A.5 of the December 4, 2017, Stipulation at Docket Nos. RP12-1093-000, 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) \$203.40 /10 <sup>3</sup> m <sup>3</sup> / month		
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 \$5.14 /GJ FT-D Demand Rate for Group 2 Delivery Points \$4.89 /GJ FT-D Demand Rate for Group 3 Delivery Points \$5.87 /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-3	LRS-3 Demand Rate per month \$129.55 /10 <sup>3</sup> m <sup>3</sup> / month		
8. Rate Schedule IT-R	Refer to Attachment "1" for applicable IT-R Rate for each Receipt Point		
9. Rate Schedule IT-D <sup>1</sup>	Refer to Attachment "2" for applicable IT-D Rate for each Delivery Point		
10. Rate Schedule FCS	The FCS Charge is determined in accordance with Attachment "1" to the applicable Schedule of Service		
11. Rate Schedule PT	The PT Charge is determined in accordance with the applicable Schedule of Service		
12. Rate Schedule OS	<u>Schedule No.</u>	<u>Charge</u>	
	2017943711	\$117.50	/10 <sup>3</sup> m <sup>3</sup> / month
	2017939621	\$117.50	/10 <sup>3</sup> m <sup>3</sup> / month
	2017939620	\$117.50	/10 <sup>3</sup> m <sup>3</sup> / month
	2017939619	\$117.50	/10 <sup>3</sup> m <sup>3</sup> / month
	2017944787	\$117.50	/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 /	\$0.1609	/ GJ subject to
	2011476054	\$717,000.00	Minimum Annual Charge
	2017887638 / 2011476092 /	\$0.095	/ GJ and
	2016721799 / 2016759254	\$1,000.00	/ month
13. Rate Schedule CO2	<u>Tier</u>	<u>CO<sub>2</sub> Rate (\$/10<sup>3</sup>m<sup>3</sup>)</u>	
	1	543.57	
	2	430.09	
	3	279.27	
14. Monthly Abandonment Surcharge <sup>2</sup>	\$10.51 /10 <sup>3</sup> m <sup>3</sup> / month	\$0.28 /GJ/month	
15. Daily Abandonment Surcharge <sup>3</sup>	\$0.35 /10 <sup>3</sup> m <sup>3</sup> /day	\$0.0091 /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: 2017943711, 2017939621, 2017939620, 2017939619, 2017944787.

3. Daily Abandonment Surcharge applicable to Rate Schedules IT-R, IT-D, the following Rate Schedules OS: 2011476052, 2011476054, 2017887638 2011476092, 2016721799, 2016759254, 2003004522, and if applicable Over-Run Gas.

Group 1 Delivery Point Number	Group 1 Delivery Point Name	FT-D Demand Rate Price Point "Z" (\$/GJ/mo)	IT-D Rate (\$/GJ/d)
2000	ALBERTA-B.C. BORDER	4.89	0.1770
31111	ALLIANCE CLAIRMONT INTERCONNECT APN	4.89	0.1770
31110	ALLIANCE EDSON INTERCONNECT APN	4.89	0.1770
31112	ALLIANCE SHELL CREEK INTERCONNECT APGC	4.89	0.1770
3002	BOUNDARY LAKE BORDER	4.89	0.1770
1958	EMPRESS BORDER	5.27	0.1907
3886	GORDONDALE BORDER	4.89	0.1770
6404	MCNEILL BORDER	5.27	0.1907

Group 2 Delivery Point Number	Group 2 Delivery Point Name	FT-D Demand Rate Price Point "Z" (\$/GJ/mo)	IT-D Rate (\$/GJ/d)	Subject to ATCO Pipelines Franchise Fees <sup>1</sup>
31000	A.T. PLASTICS SALES APN	4.89	0.1770	Yes
31001	ADM AGRI INDUSTRIES SALES APN	4.89	0.1770	Yes
3880	AECO INTERCONNECTION	4.89	0.1770	
31003	AGRIUM CARSELAND SALES APS	4.89	0.1770	
31002	AGRIUM FT. SASK SALES APN	4.89	0.1770	Yes
31004	AGRIUM REDWATER SALES APN	4.89	0.1770	
31005	AINSWORTH SALES APGP	4.89	0.1770	
31006	AIR LIQUIDE SALES APN	4.89	0.1770	
3214	AKUINU RIVER WEST SALES	4.89	0.1770	
31007	ALBERTA ENVIROFUELS SALES APN	4.89	0.1770	Yes <sup>2</sup>
31008	ALBERTA HOSPITAL SALES APN	4.89	0.1770	Yes
3868	ALBERTA-MONTANA BORDER	4.89	0.1770	
3297	ALDER FLATS SOUTH NO 2 SALES	4.89	0.1770	
3059	ALLISON CREEK SALES	4.89	0.1770	
31009	ALTASTEEL SALES APN	4.89	0.1770	Yes <sup>2</sup>
3562	AMOCO SALES (BP SALES TAP)	4.89	0.1770	
31012	APL JASPER SALES APN	4.89	0.1770	Yes
3488	ARDLEY SALES	4.89	0.1770	
3237	ASPEN SALES	4.89	0.1770	
3662	ATUSIS CREEK EAST SALES	4.89	0.1770	
3216	AURORA NO 2 SALES	4.89	0.1770	
3135	AURORA SALES	4.89	0.1770	
3288	BANTRY SALES	4.89	0.1770	
3423	BASHAW WEST SALES	4.89	0.1770	
31013	BAYMAG SALES APS	4.89	0.1770	
31014	BEAR CREEK COGEN SALES APGP	4.89	0.1770	
3299	BEAR RIVER WEST SALES	4.89	0.1770	
3068	BEAVER HILLS SALES	4.89	0.1770	
3268	BENBOW SOUTH SALES	4.89	0.1770	
3933	BIG EDDY INTERCONNECTION	4.89	0.1770	
3655	BIG PRAIRIE SALES	4.89	0.1770	
3067	BIGSTONE SALES	4.89	0.1770	
3285	BILBO SALES	4.89	0.1770	
3468	BLEAK LAKE SALES	4.89	0.1770	
3295	BOOTIS HILL SALES	4.89	0.1770	

NATURAL GAS TARIFF

**NorthWestern  
Energy**

Canceling 45<sup>th</sup> Revised Sheet No. 80.1  
44<sup>th</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 @ Cu. Ft. per hour			
5,000 to 10,000	\$ 92.60		\$ 92.60
10,001 to 30,000	\$ 133.10		\$ 133.10
>30,000	\$ 295.35		\$ 295.35

PLUS:

Transmission Reservation Rate (MDDQ):

Maximum Monthly Reservation Rate for  
Maximum Daily Delivery Quantity  
(MDDQ)

\$ 1.0113707      \$ 0.2546024      \$ 0.7567683

Transmission Commodity Rate (Therm):

Maximum

\$ 0.0078647      \$ 0.0021300      \$ 0.0057347

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)

Docket No.: D2017.11.86  
Tariff Letter No. 298-G  
Accepted as Filed. No Commission action required

Effective for service rendered on or after  
February 1, 2018

PUBLIC SERVICE COMMISSION

*Suzanne J. Jessel* Administrative Assistant



**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-60-001

**STATE OF SOUTH DAKOTA  
GAS RATE SCHEDULE**

**South Dakota Intrastate Pipeline Company**

SD P.U.C. Section No. 4



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. Further details are given on Sheet No. 56 section 14A.
- 4/ Interruptible Transportation Service is not available to Distribution System End-user 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 MAY 2018**

<u>Billing Determinants</u>		<u>Rate 1/</u>	<u>Amount</u>
<b><u>Demand Charges</u></b>			
<i>Transportation</i>			
FT-1 MDDQ	153,187	dk/Month \$9.21000	\$16,930,227
FTN-1 MDDQ		dk/Month 0.24274	
Northern Border et. al.		dk/Month 0.31900	
T-FTG-1 MDDQ		dk/Month 10.14131	
Black Hills Gas		dk/Month 7.32500	
<i>Storage</i>			
FS-1 Capacity Reservation		dk/Month 0.01757	
FS-1 Deliverability Reservation		dk/Month 2.01507	
<b>Total Demand Charges</b>			<u>21,492,458</u>
<b><u>Commodity Charges</u></b>			
<i>Transportation Charges</i>			
FT-1 Commodity	dk	0.02972	
Fuel - Transp. WBI	dk		
Electric Power WBI	dk	0.01160	
Fuel - Transp. NB	dk		
T-FTG-1 Commodity	dk	0.08074	
Fuel - Transp. NW	dk		
SDIP	dk	2.39800	
Black Hills Gas	dk	0.08000	
<i>Storage Charges</i>			
FS-1 Injection	dk	0.01221	
FS-1 Withdrawal	dk	0.01221	
Fuel - Storage	dk		
Electric Power WBI	dk	(0.00025)	
<i>Gas Commodity Charges</i>			
Gas Commodity - System	15,871,446	dk	2/
<b>Total Commodity Charges</b>			<u>30,928,846</u>
<b><u>Return on Rate Base</u></b>			
Demand Charges 3/			89,173
Prepaid Commodity Balances 3/			25,756
Cycle Storage Balances 3/			<u>285,231</u>
<b>Total Return</b>			400,160
<b>Total Gas Costs</b>			<b>\$52,821,464</b>
<b>Residential and General Service dk Requirements 4/</b>			<b>15,871,446</b>
Average Cost of Gas per dk			\$3.328
Average Cost of Gas as Adjusted for Losses @ 99.55%			3.343
Less: Gas Cost Level in Rates 5/			3.724
<b>Current Gas Cost Adjustment</b>			<u><u>(\$0.381)</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 May 2018.

3/ Exhibit C.

4/ Normalized dk sales for the twelve months ended December 31, 2017, adjusted for losses at .45%.

5/ Gas Cost Level in Current Tariff Rates Case No. PU-18-008 effective April 1, 2018:

Cost of Purchased Gas	\$3.707
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$3.724

MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
INTERRUPTIBLE  
EFFECTIVE MAY 2018

<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	16,508 dk/Month	\$9.21000
FTN-1 MDDQ	dk/Month	0.24274
Northern Border et. al.	dk/Month	0.31900
T-FTG-1 MDDQ	dk/Month	10.14131
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>		2,322,316
<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	0.01160
Fuel - Transp. NB	dk	
T-FTG-1 Commodity	dk	0.08074
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	(0.00025)
<b><i>Gas Commodity Charges</i></b>		
Gas Commodity	6,198,292 dk	3/
<b><i>Total Commodity Charges</i></b>		11,707,646
<b><u>Return on Rate Base</u></b>		
Demand Charges 4/		9,886
Transportation Balances 4/		2,855
Cycle Storage Balances 4/		31,620
<b><i>Total Return</i></b>		44,361
<b><i>Total Gas Costs</i></b>		\$14,074,323
<b><i>Interruptible Service dk Requirements</i></b>		6,198,292
Average Cost of Gas per dk		\$2.271
Average Cost of Gas as Adjusted for Losses @ 99.55%		2.281
Less: Gas Cost Level in Rates 5/		2.658
<b>Current Gas Cost Adjustment</b>		<b>(\$0.377)</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 May 2018.

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

5/ Gas Cost Level in Current Tariff Rates Case No. PU-18-008 effective April 1, 2018:

Cost of Purchased Gas	\$2.646
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$2.658

PUBLIC COPY

MONTANA-DAKOTA UTILITIES CO.  
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA  
AIR FORCE INTERRUPTIBLE  
EFFECTIVE MAY 2018

<u>Air Force Billing Determinants</u>		<u>Rate 1/</u>	<u>Amount</u>
<b><u>Demand Charges</u></b>			
<b><u>Transportation</u></b>			
FT-1 MDDQ	1,276	dk/Month \$9.21000	\$141,024
FTN-1 MDDQ		dk/Month 0.24274	
Northern Border et. al.		dk/Month 0.31900	
T-FTG-1 MDDQ		dk/Month 10.14131	
Black Hills Gas		dk/Month 7.32500	
<b><u>Storage</u></b>			
FS-1 Capacity Reservation		dk/Month 0.01757	
FS-1 Deliverability Reservation		dk/Month 2.01507	
<b>Total Demand Charges</b>			<u>179,558</u>
<b><u>Commodity Charges</u></b>			
<b><u>Transportation Charges</u></b>			
FT-1 Commodity		dk 0.02972	
Fuel - Trans. WBI		dk	
Electric Power WBI		dk 0.01160	
Fuel - Trans. NB		dk	
T-FTG-1 Commodity		dk 0.08074	
Fuel - Transp. NW		dk	
SDIP		dk 2.39800	
Black Hills Gas		dk 0.08000	
<b><u>Storage Charges</u></b>			
FS-1 Injection		dk 0.01221	
FS-1 Withdrawal		dk 0.01221	
Fuel - Storage		dk	
Electric Power WBI		dk (0.00025)	
<b><u>Gas Commodity Charges</u></b>			
Gas Commodity	479,120	dk	2/ <u>904,993</u>
<b>Total Commodity Charges</b>			
<b><u>Return on Rate Base</u></b>			
Demand Charges 3/			764
Transportation Balances 3/			221
Cycle Storage Balances 3/			<u>2,445</u>
<b>Total Return</b>			<u>3,430</u>
<b>Total Gas Costs</b>			\$1,087,981
100% Load Factor dk Requirements			479,120
Average Cost of Gas per dk			\$2.271
Less: Gas Cost Level in Rates 4/			<u>2.646</u>
<b>Current Gas Cost Adjustment</b>			<u><u>(\$0.375)</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 May 2018.

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

4/ Gas Cost Level in Current Tariff Rates Case No. PU-18-008 effective April 1, 2018:

Cost of Purchased Gas	\$2.646
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**MONTANA-DAKOTA UTILITIES CO.  
RETURN ON CYCLE STORAGE BALANCES  
AND PREPAID DEMAND AND COMMODITY BALANCES  
NORTH DAKOTA GAS  
EFFECTIVE MAY 2018**

	General Service		
	Storage Balance 1/	Prepaid Commodity Balance 2/	Prepaid Demand
October 2017	\$9,806,681	\$411,451	\$4,405,113
November	8,049,618	362,743	3,527,690
December	4,892,464	268,267	1,657,040
January 2018	1,242,771	159,792	(423,205)
February	(1,859,726)	63,939	(1,906,956)
March	(2,983,735)	27,954	(2,823,236)
April	(3,193,794)	21,614	(2,598,157)
May	(785,377)	144,763	(1,509,593)
June	1,433,872	259,097	(44,473)
July	3,296,975	356,036	1,409,078
August	5,152,225	453,002	2,862,629
September	7,866,838	595,608	4,138,279
October	8,852,127	647,624	4,364,842
13 month average	<u>\$3,213,149</u>	<u>\$290,145</u>	<u>\$1,004,542</u>
Rate of Return	7.340%	7.340%	7.340%
Return	\$235,845	\$21,297	\$73,733
Return Requirement 3/	<u>\$285,231</u>	<u>\$25,756</u>	<u>\$89,173</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.

3/ Revenue requirement reflects federal income tax rate enacted in the 2017 Tax Cuts and Jobs Act.

MONTANA-DAKOTA UTILITIES CO.  
COST OF GAS - PROPANE  
NORTH DAKOTA  
EFFECTIVE MAY 2018

Cost of Purchased Propane	\$17,049 ✓
Gallons Purchased	26,229 ✓
Projected dk Sales	2,400 ✓
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>10.429 ✓</u>
Current Propane Cost Adjustment	<u><u>(\$3.293) ✓</u></u>

1/ Propane Cost Level in Current Rates - Case No. PU-18-008, effective March 1, 2018.

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

	<u>(Over) Under Recovery</u>	<u>Refunds &amp; Other</u>	<u>Interest 1/</u>	<u>Total Net Additions</u>	<u>Actual Dk Sales</u>	<u>Adjustment Per Dk</u>	<u>Total Adjustment Amount</u>	<u>Net Change- Additions less Adjustment</u>	<u>Cumulative Balance</u>
<b>Balance @ July 31, 2017</b>									<b><u><u>\$333,122</u></u></b>
August	(\$280,672)	\$0	\$174	(\$280,498)	301,526	(\$0.112)	(\$33,771)	(\$246,727)	86,395
September	(181,433)	0	46	(181,387)	291,062	(0.112)	(32,598)	(148,789)	(62,394)
October	(16,634)	0	(56)	(16,690)	564,425	0.025	(34,282) 2/	17,592	(44,802)
November	166,340	0	(47)	166,293	1,262,823	0.025	31,569	134,724	89,922
December	97,260	0	61	97,321	2,007,882	0.025	50,198	47,123	137,045
January 2018	237,712	0	99	237,811	2,995,225	0.025	74,880	162,931	299,976
February	(233,299)	0	296	(233,003)	2,756,440	0.025	68,910	(301,913)	(1,937)
<b>Balance @ February 28, 2018</b>									<b><u><u>(\$1,937)</u></u></b>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 353,233 dk @ (\$0.112) and 211,192 dk @ \$0.025.

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

	<u>(Over) Under Recovery</u>	<u>Refunds &amp; Other</u>	<u>Interest 1/</u>	<u>Total Net Additions</u>	<u>Actual Dk Sales</u>	<u>Adjustment Per Dk</u>	<u>Total Adjustment Amount</u>	<u>Net Change- Additions less Adjustment</u>	<u>Cumulative Balance</u>
<b>Balance @ July 31, 2017</b>									<b><u><u>(\$6,460)</u></u></b>
August	(\$6,102)	\$0	(\$3)	(\$6,105)	13,796	(\$0.147)	(\$2,028)	(\$4,077)	(10,537)
September	(3,840)	0	(5)	(3,845)	46,644	(0.147)	(6,857)	3,012	(7,525)
October	241	0	(6)	235	57,036	0.005	(7,940) 2/	8,175	650
November	5,162	0	1	5,163	113,460	0.005	567	4,596	5,246
December	16,192	0	4	16,196	117,508	0.005	589	15,607	20,853
January 2018	14,017	0	15	14,032	85,749	0.005	428	13,604	34,457
February	9,042	0	34	9,076	96,400	0.005	481	8,595	43,052
<b>Balance @ February 28, 2018</b>									<b><u><u>\$43,052</u></u></b>

1/ Interest calculated at Three Month Treasury Bill rate.  
2/ Reflects 54,112 dk @ (\$0.147) and 2,924 dk @ \$0.005.

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

	<u>(Over) Under Recovery</u>	<u>Refunds &amp; Other</u>	<u>Interest 1/</u>	<u>Total Net Additions</u>	<u>Actual Dk Sales</u>	<u>Adjustment Per Dk</u>	<u>Total Adjustment Amount</u>	<u>Net Change- Additions less Adjustment</u>	<u>Cumulative Balance</u>
<b>Balance @ July 31, 2017</b>									<b><u><u>(\$11,652)</u></u></b>
August	(\$6,270)	\$0	(\$6)	(\$6,276)	3,420	(\$0.230)	(\$787)	(\$5,489)	(17,141)
September	(3,732)	0	(9)	(3,741)	4,008	(0.230)	(921)	(2,820)	(19,961)
October	45	0	(18)	27	7,762	(0.020)	(1,786) 2/	1,813	(18,148)
November	(3,068)	0	(19)	(3,087)	23,748	(0.020)	(475)	(2,612)	(20,760)
December	3,417	0	(14)	3,403	50,251	(0.020)	(1,005)	4,408	(16,352)
January 2018	12,161	0	(12)	12,149	60,317	(0.020)	(1,207)	13,356	(2,996)
February	2,643	0	(3)	2,640	62,330	(0.020)	(1,247)	3,887	891
<b>Balance @ February 28, 2018</b>									<b><u><u>\$891</u></u></b>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 7,762 dk @ (\$0.230) and 0 dk @ (\$0.020).

**MONTANA-DAKOTA UTILITIES CO.**  
**COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ADJUSTMENT**  
**APPLICABLE TO NORTH DAKOTA**  
**PROPANE**  
**TO BE EFFECTIVE MAY 1, 2018 THROUGH APRIL 30, 2019**

(Over)/under recovered gas costs @ February 28, 2018 (\$9,083) ✓

Less: Projected recovery from rates already established

	Volume	Rate	Amount
March	5,800 ✓	\$0.616 ✓	3,573 ✓
April	4,500 ✓	\$0.616 ✓	2,772 ✓
	10,300		6,345 ✓

Additional recovery required (\$15,428) ✓

Projected sales volumes (dk)

May 2018	2,400		
June	1,000		
July	600		
August	600		
September	700		
October	1,700		
November	4,200		
December	5,900		
January 2019	7,400		
February	6,800		
March	5,800 ✓		
April	4,500 ✓		
Total			41,600 ✓

Total (over)/under recovered gas cost adjustment  
to be effective May 1, 2018 through April 30, 2019. (\$0.371) ✓

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

	<u>(Over) Under Recovery</u>	<u>Refunds &amp; Other</u>	<u>Interest 1/</u>	<u>Total Net Additions</u>	<u>Actual Dk Sales</u>	<u>Adjustment Per Dk</u>	<u>Total Adjustment Amount</u>	<u>Net Change- Additions less Adjustment</u>	<u>Cumulative Balance</u>
<b>Balance @ February 28, 2017</b>									<b><u><u>\$13,332</u></u></b>
March 2017	(\$4,349)	\$0	\$5	(\$4,344)	5,684	(\$1.246)	(\$7,083)	\$2,739	16,071
April	(427)	0	7	(420)	2,664	(1.246)	(3,319)	2,899	18,970
May	(10,872)	0	9	(10,863)	2,268	0.616	75 2/	(10,938)	8,032
June	(26,951)	0	4	(26,947)	1,072	0.616	660	(27,607)	(19,575)
July	(13,587)	0	(11)	(13,598)	814	0.616	501	(14,099)	(33,674)
August	9,033	0	(18)	9,015	856	0.616	527	8,488	(25,186)
September	1,252	0	(13)	1,239	766	0.616	473	766	(24,420)
October	5,275	0	(22)	5,253	2,179	0.616	1,341	3,912	(20,508)
November	11,952	0	(21)	11,931	4,533	0.616	2,792	9,139	(11,369)
December	8,152	0	(8)	8,144	4,836	0.616	2,978	5,166	(6,203)
January 2018	4,315	0	(4)	4,311	9,240	0.616	5,693	(1,382)	(7,585)
February	3,172	0	(7)	3,165	7,570	0.616	4,663	(1,498)	(9,083)
	<u>(\$13,035)</u>	<u>\$0</u>	<u>(\$79)</u>	<u>(\$13,114)</u>	<u>42,482</u>		<u>\$9,301</u>	<u>(\$22,415)</u>	
<b>Balance @ February 28, 2018</b>									<b><u><u>(\$9,083)</u></u></b>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 710 Dk @ (\$1.246) and 1,558 Dk @ \$0.616.

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

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>March 2017</u>				
Cost of Gas - Actual	\$6.64091	\$13.99097	\$6.64091	
Cost of Gas - Recovered	<u>8.89200</u>	<u>7.68500</u>	<u>7.68500</u>	
(Over) Under recovery per dk	(\$2.25109)	\$6.30597	(\$1.04409)	
dk billed	<u>4,351</u>	<u>930</u>	<u>403</u>	<u>5,684</u>
(Over) Under recovery	<u>(\$9,794)</u>	<u>\$5,866</u>	<u>(\$421)</u>	<u>(\$4,349)</u>
<u>April 2017</u>				
Cost of Gas - Actual	\$8.07000	\$6.64091	\$8.07000	
Cost of Gas - Recovered	<u>7.68500</u>	<u>8.89200</u>	<u>8.89200</u>	
(Over) Under recovery per dk	\$0.38500	(\$2.25109)	(\$0.82200)	
dk billed	<u>1,901</u>	<u>373</u>	<u>390</u>	<u>2,664</u>
(Over) Under recovery	<u>\$732</u>	<u>(\$838)</u>	<u>(\$321)</u>	<u>(\$427)</u>
<u>May 2017</u>				
Cost of Gas - Actual	\$0.24200	\$8.07000	\$0.24200	
Cost of Gas - Recovered	<u>6.03800</u>	<u>7.68500</u>	<u>7.68500</u>	
(Over) Under recovery per dk	(\$5.79600)	\$0.38500	(\$7.44300)	
dk billed	<u>1,558</u>	<u>440</u>	<u>270</u>	<u>2,268</u>
(Over) Under recovery	<u>(\$9,031)</u>	<u>\$169</u>	<u>(\$2,010)</u>	<u>(\$10,872)</u>
<u>June 2017</u>				
Cost of Gas - Actual	(\$14.18782)	\$0.24200	(\$14.18782)	
Cost of Gas - Recovered	<u>6.03800</u>	<u>6.03800</u>	<u>6.03800</u>	
(Over) Under recovery per dk	(\$20.22582)	(\$5.79600)	(\$20.22582)	
dk billed	<u>0</u>	<u>(365)</u>	<u>1,437</u>	<u>1,072</u>
(Over) Under recovery	<u>\$0</u>	<u>\$2,117</u>	<u>(\$29,068)</u>	<u>(\$26,951)</u>
<u>July 2017</u>				
Cost of Gas - Actual	(\$11.96973)	(\$14.18782)	(\$11.96973)	
Cost of Gas - Recovered	<u>6.03800</u>	<u>6.03800</u>	<u>6.03800</u>	
(Over) Under recovery per dk	(\$18.00773)	(\$20.22582)	(\$18.00773)	
dk billed	<u>0</u>	<u>(476)</u>	<u>1,290</u>	<u>814</u>
(Over) Under recovery	<u>\$0</u>	<u>\$9,636</u>	<u>(\$23,223)</u>	<u>(\$13,587)</u>
<u>August 2017</u>				
Cost of Gas - Actual	\$6.72379	(\$11.96973)	\$6.72379	
Cost of Gas - Recovered	<u>6.03800</u>	<u>6.03800</u>	<u>6.03800</u>	
(Over) Under recovery per dk	\$0.68579	(\$18.00773)	\$0.68579	
dk billed	<u>0</u>	<u>(452)</u>	<u>1,308</u>	<u>856</u>
(Over) Under recovery	<u>\$0</u>	<u>\$8,136</u>	<u>\$897</u>	<u>\$9,033</u>

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

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>September 2017</u>				
Cost of Gas - Actual	\$7.93137	\$6.72379	\$7.93137	
Cost of Gas - Recovered	<u>6.03800</u>	<u>6.03800</u>	<u>6.03800</u>	
(Over) Under recovery per dk	\$1.89337	\$0.68579	\$1.89337	
dk billed	0	164	602	766
(Over) Under recovery	<u>\$0</u>	<u>\$112</u>	<u>\$1,140</u>	<u>\$1,252</u>
<u>October 2017</u>				
Cost of Gas - Actual	\$9.63326	\$7.93137	\$9.63326	
Cost of Gas - Recovered	<u>7.13600</u>	<u>6.03800</u>	<u>6.03800</u>	
(Over) Under recovery per dk	\$2.49726	\$1.89337	\$3.59526	
dk billed	1,566	493	120	2,179
(Over) Under recovery	<u>\$3,911</u>	<u>\$933</u>	<u>\$431</u>	<u>\$5,275</u>
<u>November 2017</u>				
Cost of Gas - Actual	\$11.33708	\$9.63326	\$11.33708	
Cost of Gas - Recovered	<u>8.78300</u>	<u>7.13600</u>	<u>7.13600</u>	
(Over) Under recovery per dk	\$2.55408	\$2.49726	\$4.20108	
dk billed	3,239	1,030	264	4,533
(Over) Under recovery	<u>\$8,273</u>	<u>\$2,572</u>	<u>\$1,107</u>	<u>\$11,952</u>
<u>December 2017</u>				
Cost of Gas - Actual	\$12.14026	\$11.33708	\$12.14026	
Cost of Gas - Recovered	<u>10.97800</u>	<u>8.78300</u>	<u>8.78300</u>	
(Over) Under recovery per dk	\$1.16226	\$2.55408	\$3.35726	
dk billed	3,217	1,272	347	4,836
(Over) Under recovery	<u>\$3,739</u>	<u>\$3,249</u>	<u>\$1,164</u>	<u>\$8,152</u>
<u>January 2018</u>				
Cost of Gas - Actual	\$11.50912	\$12.14026	\$11.50912	
Cost of Gas - Recovered	<u>11.41700</u>	<u>10.97800</u>	<u>10.97800</u>	
(Over) Under recovery per dk	\$0.09212	\$1.16226	\$0.53112	
dk billed	6,244	3,405	(409)	9,240
(Over) Under recovery	<u>\$575</u>	<u>\$3,957</u>	<u>(\$217)</u>	<u>\$4,315</u>
<u>February 2018</u>				
Cost of Gas - Actual	\$11.90585	\$11.50912	\$11.90585	
Cost of Gas - Recovered	<u>11.41700</u>	<u>11.41700</u>	<u>11.41700</u>	
(Over) Under recovery per dk	\$0.48885	\$0.09212	\$0.48885	
dk billed	0	1,333	6,237	7,570
(Over) Under recovery	<u>\$0</u>	<u>\$123</u>	<u>\$3,049</u>	<u>\$3,172</u>

1/ Consumed in current month.

2/ Consumed in prior month.

3/ True-up of prior month volumes.