



UTILITIES CO.

A Subsidiary of MDU Resources Group, Inc.

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

May 8, 2019

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-19-008

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

The Rate Summary Sheet (176th Revised Sheet No. 3) showing the proposed natural gas rates reflecting the COG effective June 1, 2019 along with currently effective distribution rates is provided in Exhibit 1. The net effect of this filing, calculated pursuant to the terms of Rate 88, is an increase of \$0.340 per dk for residential customers and firm general customers, an increase of \$0.090 per dk for small and large interruptible customers, an increase of \$0.089 per dk for Air Force interruptible customers, and a decrease of \$2.195 per dk for propane customers from the currently effective rates.

Montana-Dakota purchases gas supplies under a number of contracts and secures transportation service over a number of pipelines for delivery of the natural gas purchased to Montana-Dakota's distribution system to meet the demands of its customers. The commodity cost of natural gas has increased \$0.035 per dk since the cost established in the April 2019 PGA filing due to an increase in the overall commodity price of gas. Changes in pipeline rates increased the cost of gas by \$0.334 per dk. As noted on Exhibit 4, page 1, the WBI Energy Transmission rate changes are subject to refund and the outcome of hearing procedures in the rate case pending before the FERC. In addition, there has been a system-wide change in demand allocation and seasonal capacity releases with a net effect of (\$0.029) per dk.

Montana-Dakota also purchases propane supplies from various wholesale suppliers for the propane service provided in Hettinger, North Dakota. The cost of propane has decreased since the cost established in the May 2019 PGA filing.

The following Exhibits are provided in support of the COG rates to be effective June 1, 2019:

- Exhibit 2 summarizes the cost of gas adjustment, the surcharge adjustment, and the

grain drying margin sharing adjustment calculated pursuant to the terms of Rate 88 that will apply during the month of June 2019.

- Exhibit 3, shows the calculation of the current gas cost adjustment that will be applicable to Montana-Dakota's customers for the month of June 2019 along with an explanation of the reasons for the increase in the market price of gas. The average cost of gas for firm customers, adjusted for losses, is \$4.217 per dk.
- Exhibit 3a is marked as "Confidential" and contains confidential information regarding 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 3a – Public Copy, is also enclosed. Montana-Dakota will submit a renewal of the Application for Trade Secret Protection under separate cover to renew the request of confidential treatment of portions of the cost of gas calculation for 2019.
- Exhibit 4 provides a summary of the change in pipeline rates occurring since the last COG filing and a copy of applicable effective pipeline rates along with supporting workpapers.
- Exhibit 5 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 7.236% applied to the balances was authorized by the Commission in Case No. PU-17-295.
- Exhibit 6 shows the computation of the (over)/under recovered gas cost account balances.
- Exhibit 7 summarizes the cost of gas – propane calculated pursuant to the terms of Rate 99, which apply during the month of June 2019. The average cost of propane for all customers, adjusted for losses, is \$5.490 per dk.

The COG changes, calculated in accordance with Rate 88 and Rate 99, will amount to an increase of approximately \$88,800 for natural gas customers and a decrease of approximately \$2,200 for propane customers during the month of June 2019. All Montana-Dakota's retail gas customers in North Dakota may be affected by this proposal. There were 109,691 natural gas customers and 340 propane customers in North Dakota as of April 30, 2019.

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 March 8, 2019 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

Sincerely,

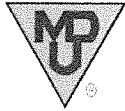


Tamie A. Aberle
Director of Regulatory Affairs

Attachment

Exhibit 1

Rate Summary Sheet
(Proposed)



Montana-Dakota Utilities Co.

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

State of North Dakota Gas Rate Schedule

NDPSC Volume 7

176th Revised Sheet No. 3

Canceling 175th 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	\$0.6860 per day	\$0.000	\$3.990	\$3.990
Air Force Rate 64	7				
Minot Air Force Base		\$2,000.00 per month			
PAR Site		\$175.00 per month			
Firm Service			\$0.329	\$3.990	\$4.319
Interruptible Service - PAR			\$0.177	\$2.575	\$2.752
Interruptible Service - MAFB			\$0.177	\$2.552	\$2.729
Firm General Service Rate 70	13				
Meters rated < 500 cubic feet		\$0.70 per day			
Meters rated > 500 cubic feet		\$2.05 per day	\$0.811	\$3.990	\$4.801
Small Interruptible Gas Rate 71	14	\$190.00 per month	(Maximum) \$1.063	\$2.575	(Maximum) \$3.638
Optional Seasonal Gas Service Rate 72	15				
Meters rated < 500 cubic feet		\$0.70 per day			
Meters rated > 500 cubic feet		\$2.05 per day	\$0.811	\$2.219	\$3.030
Contracted Demand Service Rate 74	16		(Demand Charge)	(Capacity Charge)	\$12.340
Meters rated < 500 cubic feet		\$0.70 per day			
Meters rated > 500 cubic feet		\$2.05 per day	\$6.510	(COG/Dk)	\$2.219
Transportation Service	24				
Small Interruptible Rate 81		\$190.00 per month			
Maximum			\$0.668		\$0.668
Minimum			\$0.102		\$0.102
Large Interruptible Rate 82		\$1,500.00 per month			
Maximum			\$0.231		\$0.231
Minimum			\$0.061		\$0.061
Large Interruptible Gas Rate 85	27	\$1,500.00 per month	(Maximum) \$0.718	\$2.575	(Maximum) \$3.293
Residential Propane Rate 90	32	\$0.6860 per day	\$0.000	\$4.967	\$4.967
Firm General Propane Rate 92	34				
Meters rated < 500 cubic feet		\$0.70 per day			
Meters rated > 500 cubic feet		\$2.05 per day	\$0.811	\$4.967	\$5.778

Date Filed: May 8, 2019

Effective Date: June 1, 2019

Issued By: Tamie A. Aberle
 Director - Regulatory Affairs

Case No.: PU-19-008

MONTANA-DAKOTA UTILITIES CO.
COST OF GAS TARIFF SHEET
NORTH DAKOTA GAS
EFFECTIVE JUNE 2019

	Firm			Small & Large Interruptible	Air Force Interruptible
	Residential & General Service	Optional Seasonal	Contracted Demand		
<u>Gas Cost Adjustment:</u>					
Gas Cost Level (Exhibit 3)	\$4.217	\$2.446	\$2.446	\$2.596	\$2.584
Prior Filed Gas Cost (Effective 4/1/2019)	3.877	4.000	2.352	2.506	2.495
Current Gas Cost Adjustment	\$0.340	(\$1.554)	\$0.094	\$0.090	\$0.089
<u>Surcharge Adjustment:</u>					
Current Adjustment	(\$0.214)	(\$0.214)	(\$0.214)	(\$0.021)	(\$0.032)
Prior Filed Adjustment	(0.214)	(0.214)	(0.214)	(0.021)	(0.032)
Change in Surcharge Adjustment	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Gas Cost Level	\$4.217	\$2.446	\$2.446	\$2.596	\$2.584
Plus: Surcharge	(0.214)	(0.214)	(0.214)	(0.021)	(0.032)
Total Gas Cost Level in Tariff Rates	<u>\$4.003</u>	<u>\$2.232</u>	<u>\$2.232</u>	<u>\$2.575</u>	<u>\$2.552</u>
<u>Grain Drying Margin Sharing</u>					
Current Adjustment	(\$0.013)	(\$0.013)	(\$0.013)	\$0.000	\$0.000
Prior Filed Gas Cost	(0.013)	(0.013)	(0.013)	0.000	0.000
Change in Grain Drying Sharing Margin	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Total Cost of Gas Billed	<u>\$3.990</u>	<u>\$2.219</u>	<u>\$2.219</u>	<u>\$2.575</u>	<u>\$2.552</u>
Net Increase (Decrease) in Gas Costs	<u>\$0.340</u>	<u>(\$1.554)</u>	<u>\$0.094</u>	<u>\$0.090</u>	<u>\$0.089</u>

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
RESIDENTIAL AND GENERAL SERVICE
EFFECTIVE JUNE 2019**

	<u>Amount</u>
Total Gas Costs 1/	\$66,763,087
Dk Requirements - Firm 2/	15,902,974
Average Cost of Gas per dk	\$4.198
Average Cost of Gas as Adjusted for Losses @ 99.55%	4.217
Less: Gas Cost Level in Rates 3/	3.877
Current Gas Cost Adjustment	\$0.340

- 1/ Includes all pipeline demand and commodity charges, see Exhibit 3a, page 1. See Exhibit 4 for currently effective pipeline rates. Also includes a return on prepaid demand, commodity and cycle storage balances as shown on Exhibit 5.
- 2/ Normalized dk sales for the twelve months ended March 31, 2019, adjusted for losses at .45%.
- 3/ Gas Cost Level in Current Tariff Rates Case No. PU-19-008 effective April 1, 2019:

Cost of Purchased Gas	\$3.860
Adjustment for Distribution Losses	99.55%
Gas Cost Level in Base Tariff Rates	\$3.877

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
NORTH DAKOTA - OPTIONAL SEASONAL - RATE 72
EFFECTIVE JUNE 2019**

	<u>Amount</u>
Total Gas Costs 1/	\$66,763,087
Less: Annual MDDQ Costs (Excludes Storage Capacity Reservation)	<u>28,033,507</u>
Total Gas Costs excluding MDDQ	\$38,729,580
Firm Service Requirements 1/	15,902,974
Other Gas Costs per Dk (excluding MDDQ)	\$2.435
<u>Summer - June - September</u>	
Summer Seasonal Rate, adjusted for losses 2/	2.446
Less: Gas Cost Level in Rates 3/	<u>\$4.000</u>
Current Gas Cost Adjustment	<u><u>(\$1.554)</u></u>

1/ Exhibit 3, page 1.

2/ Loss factor of 0.45%.

3/ Gas Cost Level in Current Tariff Rates Case No. PU-19-008 effective April 1, 2019:

	<u>Winter</u>
Cost of Purchased Gas	\$3.982
Adjustment for Distribution Losses	99.55%
Gas Cost Level in Base Tariff Rates	\$4.000

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
FIRM GENERAL CONTRACTED DEMAND
EFFECTIVE JUNE 2019**

<u>Cost of Gas</u>	<u>Amount</u>
Total Gas Costs, Excluding Capacity 1/	\$38,729,580
Residential and General Service dk Requirements 2/	15,902,974
Average Cost of Gas per dk	\$2.435
Average Cost of Gas as Adjusted for Losses @ 99.55%	2.446
Less: Gas Cost Level in Rates 3/	<u>2.352</u>
Current Gas Cost Adjustment	<u><u>\$0.094</u></u>
<u>Capacity Charge</u>	
Current Monthly Capacity Charge 4/	\$12.34
Prior Filed Capacity Charge 3/	<u>10.69</u>
Current Capacity Charge Adjustment	<u><u>\$1.65</u></u>

- 1/ Includes all pipeline demand and commodity charges, see Exhibit 3a, page 1. See Exhibit 4 for currently effective pipeline rates. Also includes a return on prepaid demand, commodity and cycle storage balances as shown on Exhibit 5.
- 2/ Normalized dk sales for the twelve months ended March 31, 2019, adjusted for losses at .45%.
- 3/ Gas Cost Level in Current Tariff Rates Case No. PU-19-008 effective April 1, 2019:

Cost of Purchased Gas	\$2.341
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$2.352
Monthly Capacity Charge	\$10.69

- 4/ Annual MDDQ Costs divided by contracted capacity.

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
INTERRUPTIBLE
EFFECTIVE JUNE 2019**

	<u>Amount</u>
Total Gas Costs 1/	\$15,499,685
Dk Requirements - Interruptible	5,999,328
Average Cost of Gas per dk	\$2.584
Average Cost of Gas as Adjusted for Losses @ 99.55%	2.596
Less: Gas Cost Level in Rates 2/	2.506
Current Gas Cost Adjustment	\$0.090

1/ Includes all pipeline demand and commodity charges, see Exhibit 3a, page 1. See Exhibit 4 for currently effective pipeline rates. Also includes a return on prepaid demand, commodity and cycle storage balances as shown on Exhibit 5.

2/ Gas Cost Level in Current Tariff Rates Case No. PU-19-008 effective April 1, 2019:

Cost of Purchased Gas	\$2.495
Adjustment for Distribution Losses	99.55%
Gas Cost Level in Base Tariff Rates	\$2.506

MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
AIR FORCE INTERRUPTIBLE
EFFECTIVE JUNE 2019

	<u>Amount</u>
<i>Total Gas Costs</i> 1/	\$1,182,239
<i>Dk Requirements - Air Force Interruptible</i>	457,577
Average Cost of Gas per dk	\$2.584
Less: Gas Cost Level in Rates 2/	<u>2.495</u>
Current Gas Cost Adjustment	<u><u>\$0.089</u></u>

1/ Includes all pipeline demand and commodity charges, see Exhibit 3a, page 1. See Exhibit 4 for currently effective pipeline rates. Also includes a return on prepaid demand, commodity and cycle storage balances as shown on Exhibit 5.

2/ Gas Cost Level in Current Tariff Rates Case No. PU-19-008 effective April 1, 2019:

Cost of Purchased Gas	\$2.495
-----------------------	---------

**MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF FIRM DK DELIVERIES, CAPACITY AND
CALCULATION OF INTERRUPTIBLE DEMAND
EFFECTIVE JUNE 2019**

	Normalized Firm Dk Deliveries 1/	Percent Firm
Montana	9,668,537	27.754482%
North Dakota	15,902,974	45.651044%
South Dakota	6,760,710	19.407280%
Wyoming	2,503,727	7.187194%
Total	34,835,948	100.000000%

	Total Capacity 2/	%
Montana	115,270	27.750427%
North Dakota	189,351	45.584896%
South Dakota	84,061	20.237084%
Wyoming	26,699	6.427593%
Total	415,381	100.000000%

INTERRUPTIBLE

	Dk volumes	100% Load Factor MDDQ
Montana	3,726,315 3/	10,209
North Dakota	5,999,328 4/	16,437
ND AFB	457,577 5/	1,254
South Dakota	1,731,859 6/	4,745
Wyoming	2,199,481 7/	6,026
Total	14,114,560	38,671

1/ Normalized firm sales volumes for the twelve months ended March 31, 2019, adjusted for losses.

2/ Required capacity reservation.

3/ Reflects level of interruptible dk volumes included in Docket No. D2017.9.79.

4/ Reflects level of interruptible dk volumes included in Case No. PU-17-295, excluding the Air Force.

5/ Reflects level of interruptible dk for Minot Air Force Base in Case No. PU-17-295.

6/ Reflects level of interruptible dk volumes included in Docket No. NG15-005.

7/ Reflects level of interruptible dk volumes included in Docket No. 30013-297-GR-14.

	Loss Factors	Inverse
Montana	0.72%	99.28%
North Dakota	0.45%	99.55%
South Dakota	1.00%	99.00%
Wyoming	0.68%	99.32%

**Montana-Dakota Utilities Co.
Market Conditions for Regional Natural Gas
June 2019**

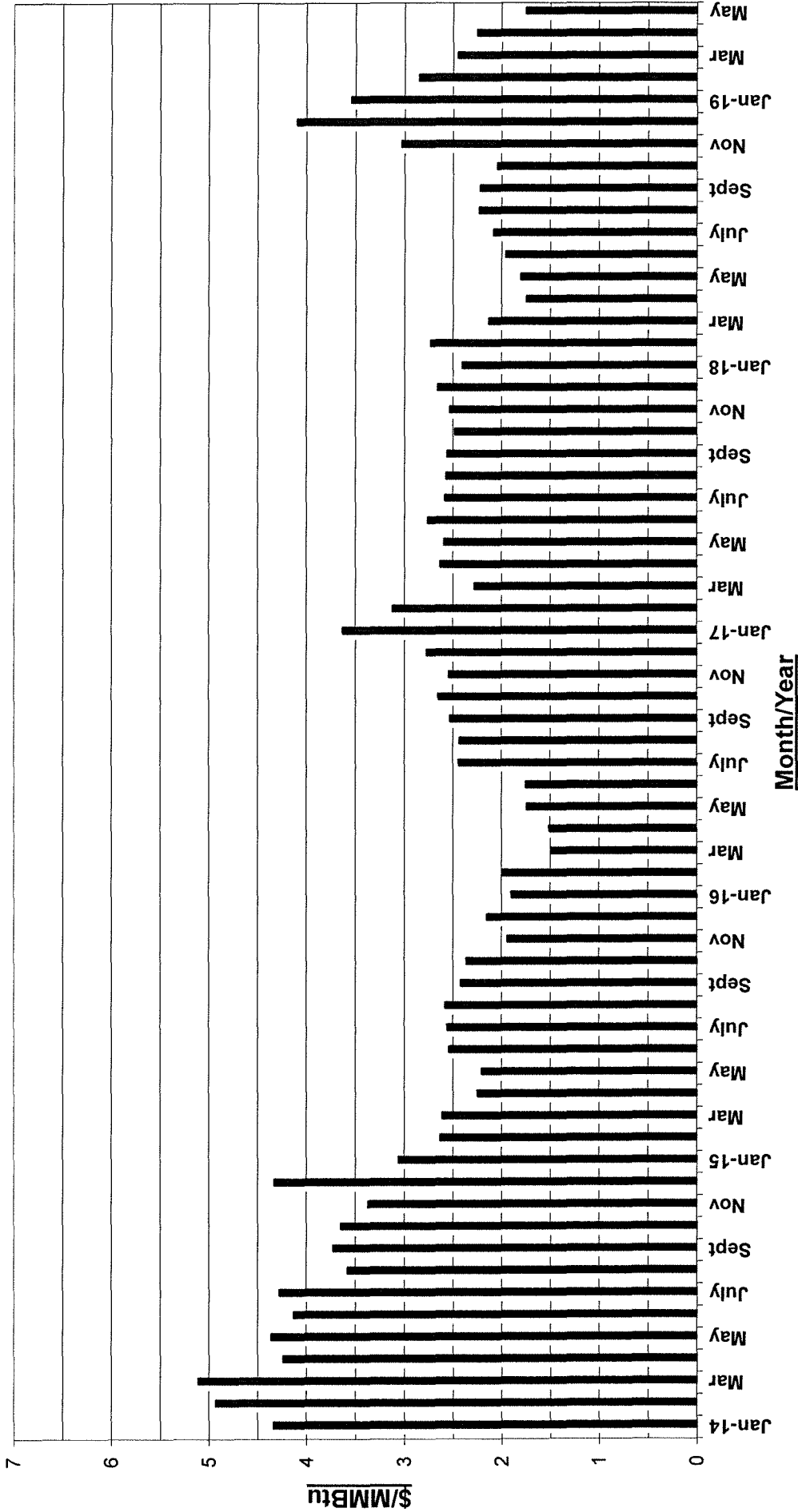
The established monthly price for June 2019's Rocky Mountain CIG Index is expected to increase by \$0.31/MMBTU to \$2.06/MMBTU from \$1.75/MMBTU in May 2019. The CIG Rocky Mountain Index is based on a price discovery survey by several natural gas periodicals, including "Inside FERC Gas Market" report 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.

An increase from May to June for Inside FERC's CIG Index for 2019 is consistent with 2017 and 2018, which realized increases of \$0.20/MMBTU and \$0.19/MMBTU respectively. As growth of the nation's natural gas-fired electric generation fleet continues, there will likely be continued marginal price increases during the transition from spring months to summer months.

The EIA reported nationwide storage levels as of April 19, 2019 at 21.6 percent below the five-year average and 4.3 percent above 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 2014-2019YTD**



From Inside F.E.R.C.'s Gas Market Report
Annual Averages: - 2017-\$2.70, 2018-\$2.37, 2019YTD - \$2.57

MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
NORTH DAKOTA GAS UTILITY
EFFECTIVE JUNE 2019

	<u>Requirements</u>	<u>Per Unit Cost</u>	<u>Amount</u>
<u>RESIDENTIAL AND GENERAL SERVICE</u>			
<i>Demand Costs - MDDQ</i>	189,351		
<i>Transportation & Storage Costs - Dk</i>	15,902,974		
<i>Commodity Costs - Dk</i>	15,902,974		
<i>Return on Rate Base</i>			
Demand Charges			\$92,238
Prepaid Commodity Balances			25,579
Cycle Storage Balances			361,031
<i>Total Return</i>			<u>\$478,848</u>
<i>Total Gas Costs - North Dakota only</i>			<u><u>\$66,763,087</u></u>
<u>INTERRUPTIBLE</u>			
<i>Demand Costs - MDDQ</i>	16,437		
<i>Transportation & Storage Costs - Dk</i>	5,999,328		
<i>Commodity Costs - Dk</i>	5,999,328		
<i>Return on Rate Base</i>			
Demand Charges			\$8,007
Prepaid Commodity Balances			2,220
Cycle Storage Balances			31,340
<i>Total Return</i>			<u>\$41,567</u>
<i>Total Gas Costs - North Dakota only</i>			<u><u>\$15,499,685</u></u>
<u>AIR FORCE INTERRUPTIBLE</u>			
<i>Demand Costs - MDDQ</i>	1,254		
<i>Transportation & Storage Costs - Dk</i>	457,577		
<i>Commodity Costs - Dk</i>	457,577		
<i>Return on Rate Base</i>			
Demand Charges			\$611
Prepaid Commodity Balances			169
Cycle Storage Balances			2,391
<i>Total Return</i>			<u>\$3,171</u>
<i>Total Gas Costs - North Dakota only</i>			<u><u>\$1,182,239</u></u>

MONTANA-DAKOTA UTILITIES CO.
COMPUTATION OF CURRENT GAS COST ADJUSTMENT
TOTAL SYSTEM COSTS
EFFECTIVE JUNE 2019

	<u>Quantity</u>		<u>Tariff Rate</u>	<u>Amount</u>
System Demand Charges				
Transportation Capacity Reservation (MDDQ)				
WBI FT-1	348,498	dk/Month	\$11.41017	\$47,717,057
WBI FT-1 (Valley Exp)		dk/Month	18.90563	
WBI FT-1 (Black Hills Exp)		dk/Month	12.10920	
WBI (Capacity Release)			1/	
NW T-FTG-1		dk/Month	10.15205	
Black Hills Gas		dk/Month	8.69500	
South Dakota Interstate Pipeline		dk/Month	10.23485	
Supplemental Transportation Capacity				
Northern Border et. al.		dk/Month	11.42150	
Viking Gas Transmission		dk/Month	4.37060	
Viking Gas Transmission (Release) 2/		dk/Month	3.69670	
Viking Gas Transmission (Release) 3/		dk/Month	0.91000	
Storage Capacity Reservation (MDDQ)				
WBI FTN-1		dk/Month	0.31557	
WBI FS-1 Capacity Reservation		dk/Month	0.02685	
WBI FS-1 Deliverability Reservation		dk/Month	\$2.45048	
Total System Contracted Capacity		MDDQ		\$72,113,811
System Commodity Charges				
Transportation Charges				
WBI FT-1 Commodity		dk	\$0.02181	
WBI FT-1 Commodity (Black Hills Exp)		dk	0.00130	
NW T-FTG-1 Commodity		dk	0.09263	
Black Hills Gas Commodity		dk	0.05000	
Viking Gas Transmission		dk	0.01290	
Fuel Charges				
WBI - Fuel - Transportation		dk		
NW - Fuel - Transportation		dk		
NB - Fuel - Transportation		dk		
WBI - Electric Power		dk	0.00788	
Storage Charges				
WBI FS-1 Injection		dk	0.01376	
WBI FS-1 Withdrawal		dk	0.01376	
WBI - Fuel - Storage		dk		
WBI - Electric Power		dk	0.00077	
Subtotal - Transportation Costs		dk		
Gas Commodity Charges				
Gas Commodity		dk		
Total System Commodity Cost of Gas	34,835,948	dk		\$73,206,091

1/ Capacity release estimated based on actual releases for the 12 months ending January 2019.

2/ Seasonal capacity release for November 2018 - March 2019 at an average price of \$3.6967 per dk/month.

3/ Seasonal capacity release for April 2019 - October 2019 at a price of \$0.91 per dk/month.

**MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF PIPELINE RATES
EFFECTIVE JUNE 2019**

Pipeline Rate Changes Since Last Purchased Gas Adjustment

WBI Energy Transmission Inc. Docket No. RP19-165-000 & 001

On April 30, 2019, WBI Energy Transmission filed a motion to place suspended tariff records in Docket No. RP19-165-000 & 001 into effect as of May 1, 2019, subject to refund.

Approximate impact on Montana-Dakota's cost of gas: 33.4 cents per dk for North Dakota.

NOVA Gas Transmission Ltd.

On April 3, 2019, TransCanada filed final 2019 rates for the Alberta System with the National Energy Board (NEB) to be effective May 1, 2019.

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

Black Hills Gas Distribution, LLC

Firm Transportation Service Agreement #6000621 rates have been updated and are effective April 1, 2019 through October 31, 2020.

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

Pipeline Rate Calculations

Calculation of Northern Border Et Al Rate - Exhibit 4, page 2

Calculation of Northwestern Energy Demand and Commodity Charges - Exhibit 4, page 3

Calculation of South Dakota Intrastate Pipeline Transportation Charges - Exhibit 4, page 4

Calculation of Black Hills Gas Transportation Charges - Exhibit 4, page 5

Schedule Of Applicable Effective Pipeline Rates

WBI Energy Transmission, Inc. - Exhibit 4, pages 6 - 11 for Schedules FT-1, FT-1 (Valley Expansion), FTN-1, and FS-1.

Northern Border Pipeline Company - Exhibit 4, page 12 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 4, pages 13-14 for Schedule FT-D.

NorthWestern Energy - Exhibit 4, page 15 for Schedule T-FTG-1.

South Dakota Intrastate Pipeline - Exhibit 4, page 16 for Rate 1.

Black Hills Gas Distribution, LLC - Exhibit 4, Page 17 for Schedule TC.

Viking Gas Transmission Company - Exhibit 4, Page 18-19 for Category 3 FT-A.

**MONTANA-DAKOTA UTILITIES CO.
CALCULATION OF NORTHERN BORDER ET AL RATE
EFFECTIVE JUNE 2019**

Northern Border 1/	
Monchy to Mina Mileage	506.0943
Maximum Rate (Daily)	\$0.0251
Maximum Rate Per 100 Miles	<u>\$0.1270</u>
Foothills (FT) Zone 9	
Rate (Canadian GJ/d) 2/	\$0.1450
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	0.7454
	<u>0.1140</u>
NOVA - FT-D	
Demand Rate (Canadian GJ/d) 4/	\$0.1710
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	0.7454
	<u>0.1345</u>
Northern Border Et Al Rate (dk/Day)	<u><u>\$0.3755</u></u>
Northern Border Et Al Rate (dk/Month)	<u><u>\$11.4215</u></u>

- 1/ T-1 & T-1B Daily Reservation Rate, Port of Morgan, MT to Ventura, IA effective February 1, 2019. See Exhibit 4, page 12.
- 2/ Rate Schedule FT, Firm Service Zone 9, rates effective January 1, 2019.
- 3/ Exchange rate per May 2, 2019 Gas Daily.
- 4/ FT-D Demand Rate per Month, Empress/McNeill Border, interim rates effective May 1, 2019 (expressed as a daily rate). Includes a 10% discount rate. See Exhibit 4, page 13-14.

**MONTANA-DAKOTA UTILITIES CO.
NORTHWESTERN ENERGY DEMAND AND COMMODITY CHARGES
EFFECTIVE JUNE 2019**

<u>Demand:</u>	<u>Billing Determinants</u>	<u>Rate</u>	<u>Annual Charge</u>
Monthly Meter Charges 1/	12	\$393.75	\$4,725
MDDQ 2/	10,700	10.115246	1,298,798
			1,303,523
Demand charge per dk			\$10.15205
<u>Commodity: 3/</u>			
Transportation			\$0.076673
GTAC			0.015956
			\$0.092629

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

2/ Firm Transportation Reservation Rate (T-FTG-1), see Exhibit 4, page 15.
49th Revised Sheet No. 80.1, effective January 1, 2019.

3/ Firm Transmission Commodity Rate (T-FTG-1)
49th Revised Sheet No. 80.1, effective January 1, 2019.

**MONTANA-DAKOTA UTILITIES CO.
SOUTH DAKOTA INTRASTATE PIPELINE TRANSPORTATION CHARGES
EFFECTIVE JUNE 2019**

<u>Demand:</u>	Monthly Rate 1/	Daily Capacity 2/	Total
MDDQ	159,540.83	15,588	\$10.23485

1/ SD Intrastate Pipeline 1st Revised Sheet No. 1 effective September 1, 2018 through August 31, 2023, see Exhibit 4, page 16.

2/ Dk daily capacity per agreement for Montana-Dakota Utilities Co. on Firm Transportation Service.

NOTE:

Revenue credits received from South Dakota Intrastate Pipeline will be reflected in the above per unit charge if the amount becomes reasonably estimable.
Any actual revenues received will be flowed through to the deferred account.

**MONTANA-DAKOTA UTILITIES CO.
BLACK HILLS GAS TRANSPORTATION CHARGES
EFFECTIVE JUNE 2019**

<u>Demand:</u>	Billing Determinants	Rate	Total
Administrative Fee 1/	12	\$650	\$7,800
MDDQ 2/	2,000	8.37000	200,880
Total			<u>\$208,680</u>
Demand charge per dk			<u>\$8.69500</u>
<u>Commodity: 2/</u>			
Transportation			<u>\$0.05</u>

1/ Two meters @ \$325/meter. Black Hills Gas WY Rate Schedule TC, First Revised Sheet No. 9, see Exhibit 4, page 17.

2/ Discount Agreement for Montana-Dakota Utilities Co. on Firm Transportation Service Agreement #6000621 effective April 1, 2019 through October 31, 2020.

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	CESCRM SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
RATE SCHEDULE FT-1						
RESERVATION CHARGE						
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)						
MAXIMUM	RATE PER EQV. DKT PER MO.	1141.017	N.A.	N.A.	0.000	1141.017
MINIMUM	RATE PER EQV. DKT PER MO	0.000	N.A.	N.A.	0.000	0.000
COMMODITY CHARGE						
MAXIMUM A/B/C/	RATE PER DKT	2.051	N.A.	N.A.	N.A.	2.051
MINIMUM A/B/C/	RATE PER DKT	2.051	N.A.	N.A.	N.A.	2.051
SCHEDULED OVERRUN CHARGE						
MAXIMUM A/B/C/	RATE PER DKT	39.089	N.A.	N.A.	0.000	39.089
MINIMUM A/B/C/	RATE PER DKT	2.051	N.A.	N.A.	0.000	2.051
VOLUMETRIC CAPACITY RELEASE CHARGE						
MAXIMUM	RATE PER DKT	37.513	N.A.	N.A.	N.A.	37.513
MINIMUM	RATE PER DKT	0.000	N.A.	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: April 30, 2019
 Docket Number:
 FERC Order Date:

Effective On: May 1, 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	CESCRM SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
RATE SCHEDULE FT-1 (VALLEY EXPANSION) A/B						
RESERVATION CHARGE						
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)						
MAXIMUM	RATE PER EQV. DKT PER MO.	1890.563	N.A.	N.A.	0.000	1890.563
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000	0.000
COMMODITY CHARGE						
MAXIMUM C/D/E/	RATE PER DKT	2.051	N.A.	N.A.	N.A.	2.051
MINIMUM C/D/E/	RATE PER DKT	2.051	N.A.	N.A.	N.A.	2.051
SCHEDULED OVERRUN CHARGE						
MAXIMUM C/D/E/	RATE PER DKT	39.089	N.A.	N.A.	0.000	39.089
MINIMUM C/D/E/	RATE PER DKT	2.051	N.A.	N.A.	0.000	2.051
VOLUMETRIC CAPACITY RELEASE CHARGE						
MAXIMUM	RATE PER DKT	62.155	N.A.	N.A.	N.A.	62.155
MINIMUM	RATE PER DKT	0.000	N.A.	N.A.	N.A.	0.000

- A/ APPLICABLE ONLY FOR INCREMENTAL CAPACITY CERTIFICATED IN DOCKET NO. CP17-257-000.
- B/ REFER TO RATE SCHEDULE FT-1 FIRM TRANSPORTATION SERVICE FOR ALL TERMS AND CONDITIONS OF SERVICE.
- C/ 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.
- D/ 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.
- E/ 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: April 30, 2019
 Docket Number:
 FERC Order Date:

Effective On: May 1, 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	CESCRN SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
RATE SCHEDULE FTN-1						
RESERVATION CHARGE						
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)						
MAXIMUM	RATE PER EQV. DKT PER MO.	31.557	N.A.	N.A.	N.A.	31.557
MINIMUM	RATE PER EQV. DKT PER MO.	1.338	N.A.	N.A.	N.A.	1.338
VOLUMETRIC CAPACITY RELEASE CHARGE						
MAXIMUM	RATE PER DKT	1.037	N.A.	N.A.	N.A.	1.037
MINIMUM	RATE PER DKT	0.044	N.A.	N.A.	N.A.	0.044

Issued On: April 30, 2019
 Docket Number:
 FERC Order Date:

Effective On: May 1, 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	CESCRM SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
RATE SCHEDULE FS-1						
CAPACITY RESERVATION CHARGE						
MAXIMUM	RATE PER EQV. DKT PER MO.	2.685	N.A.	N.A.	0.000	2.685
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000	0.000
CAPACITY DELIVERABILITY CHARGE						
MAXIMUM	RATE PER EQV. DKT PER MO.	245.048	N.A.	N.A.	0.000	245.048
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000	0.000
INJECTION CHARGE						
MAXIMUM A/B/	RATE PER DKT	1.376	N.A.	N.A.	N.A.	1.376
MINIMUM A/B/	RATE PER DKT	1.376	N.A.	N.A.	N.A.	1.376
WITHDRAWAL CHARGE						
MAXIMUM A/B/	RATE PER DKT	1.376	N.A.	N.A.	N.A.	1.376
MINIMUM A/B/	RATE PER DKT	1.376	N.A.	N.A.	N.A.	1.376
SCHEDULED OVERRUN CHARGE						
INJECTION						
MAXIMUM A/B/	RATE PER DKT	30.607	N.A.	N.A.	N.A.	30.607
MINIMUM A/B/	RATE PER DKT	1.376	N.A.	N.A.	N.A.	1.376
WITHDRAWAL						
MAXIMUM A/B/	RATE PER DKT	30.607	N.A.	N.A.	N.A.	30.607
MINIMUM A/B/	RATE PER DKT	1.376	N.A.	N.A.	N.A.	1.376

- 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: April 30, 2019
 Docket Number:
 FERC Order Date:

Effective On: May 1, 2019

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	1.397%	(0.275)%	1.122%
L&U REIMBURSEMENT	0.100%	(0.313)%	(0.213)%

GATHERING - FIRM AND INTERRUPTIBLE

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	4.849%	(0.072)%	4.777%
L&U REIMBURSEMENT	(0.081)%	(0.138)%	(0.219)%

STORAGE - RATE SCHEDULES FS-1 AND IS-1

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	0.192%	(0.341)%	(0.149)%
L&U REIMBURSEMENT	0.034%	0.160%	0.194%

Issued On: March 1, 2019
 Docket Number: RP19-767-000
 FERC Order Date: March 25, 2019

Effective On: April 1, 2019

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	0.881	(0.093)	0.788

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	0.077	0.077

Issued On: March 1, 2019
Docket Number: RP19-767-000
FERC Order Date: March 25, 2019

Effective On: April 1, 2019

STATEMENT OF RATES

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	\$0.0251
Minimum	\$0.0000
Daily Reservation Rate - Ventura, IA to North Hayden, IN	
Maximum	\$0.0270
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.

Final 2019 Rates

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) \$210.74 / 10 ³ m ³ / 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 ¹	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 \$5.67 / GJ / month FT-D Demand Rate for Group 2 Delivery Points \$5.48 / GJ / month FT-D Demand Rate for Group 3 Delivery Points \$6.58 / GJ / month	
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 ¹	Refer to Attachment "3" for applicable FT-P Demand Rate per month	
9. Rate Schedule IT-R	Refer to Attachment "1" for applicable IT-R Rate for each Receipt Point	
10. Rate Schedule IT-D ¹	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>
	2018140501	\$124.84 / 10 ³ m ³ / month
	2018140508	\$124.84 / 10 ³ m ³ / month
	2018140509	\$124.84 / 10 ³ m ³ / month
	2011475772	\$9,250.00 / month
	2018151741	\$791.00 / month
	2003004522	Applicable IT-R and IT-D Rate
	2011476052 /	\$0.1802 / GJ subject to
	2011476054	\$717,000.00 Minimum Annual Charge
	2017887638 / 2011476092	\$0.095 / GJ and
	2016721799 / 2016759254	\$1,000.00 / month
14. Rate Schedule CO ₂	<u>Tier</u>	<u>CO₂ Rate (\$/10³m³)</u>
	1	554.23
	2	438.53
	3	284.72
15. Monthly Abandonment Surcharge ²	\$10.90 / 10 ³ m ³ / month	\$0.29 / GJ / month
16. Daily Abandonment Surcharge ³	\$0.36 / 10 ³ m ³ / day	\$0.0095 / GJ / day

- Service under rate Schedules FT-D, FT-P and IT-D for delivery stations identified in Attachment 2, and rate Schedules OS No. 2011476092, are subject to the ATCO Pipelines Franchise Fees pursuant to paragraph 15.13 of the General Terms and Conditions.
- Monthly Abandonment Surcharge applicable to Rate Schedules FT-R, FT-D, FT-P, FT-RN, FT-DW, and STFT, and the following Rate Schedules OS: 2018140501, 2018140508, 2018140509.
- 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.

Final 2019 Delivery Point Rates

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	5.48	0.1982
31111	ALLIANCE CLAIRMONT INTERCONNECT APN	5.48	0.1982
31110	ALLIANCE EDSON INTERCONNECT APN	5.48	0.1982
31112	ALLIANCE SHELL CREEK INTERCONNECT APGC	5.48	0.1982
3002	BOUNDARY LAKE BORDER	5.48	0.1982
1958	EMPRESS BORDER	5.79	0.2094
3886	GORDONDALE BORDER	5.48	0.1982
6404	MCNEILL BORDER	5.79	0.2094

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 ¹
31000	A.T. PLASTICS SALES APN	5.48	0.1982	Yes
31001	ADM AGRI INDUSTRIES SALES APN	5.48	0.1982	Yes
3880	AECO INTERCONNECTION	5.48	0.1982	
31003	AGRIUM CARSELAND SALES APS	5.48	0.1982	
31002	AGRIUM FT. SASK SALES APN	5.48	0.1982	Yes
31004	AGRIUM REDWATER SALES APN	5.48	0.1982	
31005	AINSWORTH SALES APGP	5.48	0.1982	
31006	AIR LIQUIDE SALES APN	5.48	0.1982	
3214	AKUINU RIVER WEST SALES	5.48	0.1982	
31007	ALBERTA ENVIROFUELS SALES APN	5.48	0.1982	Yes ²
31008	ALBERTA HOSPITAL SALES APN	5.48	0.1982	Yes
3868	ALBERTA-MONTANA BORDER	5.48	0.1982	
3297	ALDER FLATS SOUTH NO 2 SALES	5.48	0.1982	
3059	ALLISON CREEK SALES	5.48	0.1982	
31009	ALTASTEEL SALES APN	5.48	0.1982	Yes ²
3562	AMOCO SALES (BP SALES TAP)	5.48	0.1982	
31012	APL JASPER SALES APN	5.48	0.1982	Yes
3488	ARDLEY SALES	5.48	0.1982	
3237	ASPEN SALES	5.48	0.1982	
3662	ATUSIS CREEK EAST SALES	5.48	0.1982	
3216	AURORA NO 2 SALES	5.48	0.1982	
3135	AURORA SALES	5.48	0.1982	
3288	BANTRY SALES	5.48	0.1982	
3423	BASHAW WEST SALES	5.48	0.1982	
31013	BAYMAG SALES APS	5.48	0.1982	
6112	BAY TREE SALES	5.48	0.1982	
31014	BEAR CREEK COGEN SALES APGP	5.48	0.1982	
3299	BEAR RIVER WEST SALES	5.48	0.1982	

NATURAL GAS TARIFF

NorthWestern
Energy

Canceling 49th Revised Sheet No. 80.1
48th 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>
RATES: Net Monthly Bill:			
Monthly Service Charge per Meter:			
Meters Rated @			
<u>Cu. Ft. per hour</u>			
5,000 to 10,000	\$ 123.50		\$ 123.50
10,001 to 30,000	\$ 177.45		\$ 177.45
>30,000	\$ 393.75		\$ 393.75

PLUS:

Transmission Reservation Rate (MDDQ):

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

\$ 1.0115246 \$ 0.2992478 \$ 0.7122768

Transmission Commodity Rate (Therm):

Maximum \$ 0.0059113 \$ 0.0022698 \$ 0.0036415

Minimum \$ 0.0017935 \$ 0.0017935

GTAC Amortization \$ 0.0015956 \$ 0.0015956

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.: D2018.4.24
Tariff Letter No.: 314-G
No Commission action

Effective for services rendered
after January 1, 2019
Suzanne K. Kiser
Administrative Assistant



STATE OF SOUTH DAKOTA
GAS RATE SCHEDULE

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

SD P.U.C. Section 3
1st Revised Sheet No. 1
Cancelling Original Sheet No. 1

FIRM TRANSPORTATION SERVICE Rate 1

Transportation rate is \$159,540.83 monthly for Firm Service effective September 1, 2018 through August 31, 2023.

R

The Transportation rate is \$149,663.42 monthly for Firm Service effective September 1, 2023, if South Dakota Intrastate Pipeline Company has not submitted a new application for rates, with an effective date prior to August 31, 2023.

N
N
N

Revenue credits shall be applicable as set forth in the Contract for Firm Transportation Service.

N

All general terms and conditions of Service shall be set forth in a Firm Transportation Service Agreement executed by the customer and South Dakota Intrastate Pipeline Company

N
N

Date Filed: June 20, 2018

Effective Date: September 1, 2018

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

Docket No.: NG17-009



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	0.351%
	MLI	MLE	\$145.00	\$0.00	\$0.00	\$0.1040	\$0.0010	0.351%
	MLI	DSE	\$225.00	\$0.00	\$0.00	\$0.1703	\$0.0020	1.743%
Interruptible Transportation 4/	MLI	MLI	\$0.00	\$0.00	\$0.00	\$0.0844	\$0.0010	0.351%
	MLI	MLE	\$145.00	\$0.00	\$0.00	\$0.0844	\$0.0010	0.351%
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

STATEMENT OF RATES
 (Rates Per Dekatherm)

Currently Effective Term-Differentiated Rates

Rate Schedule	Base Tariff Rate
<u>Category 1 (Contract Term of Less than 3 Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.7507
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate 1/	\$5.7394
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$3.3143
Zone 2-2 Minimum Rate	\$0.0000
<u>Category 2 (Contract Term of 3 Years to less than 5 Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.5607
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$5.5494
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$3.1243
Zone 2-2 Minimum Rate	\$0.0000
<u>Category 3 (Contract Term of 5 or more Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.3706
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$5.3593
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.9343
Zone 2-2 Minimum Rate	\$0.0000

1/ Throughout Viking's Statement of Rates and Tariff, "Zone 1-2" shall mean Transportation Service for quantities received in Zone 1 and delivered in Zone 2 or received in Zone 2 and delivered in Zone 1 whether by transport, exchange, or Displacement.

Rate Schedule	Base Tariff Rate	Fuel and Loss Retention Percentages 2/
Commodity Rates 1/		
FT-A – Maximum Rates		
Zone 1-1	\$0.0116	0.80%
Zone 1-2	\$0.0116	1.04%
Zone 2-2	\$0.0116	0.24%
Minimum Rate	\$0.0116	
IT and AOT		
Zone 1-1	\$0.1678	0.80%
Zone 1-2	\$0.2003	1.04%
Zone 2-2	\$0.1206	0.24%
Minimum Rate	\$0.0116	

1/ Pursuant to Section 19 of the General Terms and Conditions, the maximum and minimum commodity rates shall be increased to include the Commission-authorized Annual Charge Adjustment unit rate as published on the Commission's Web Site located at <http://www.ferc.gov>.

2/ The Fuel and Loss Retention Percentages shall be applicable to all transportation rate schedules and includes the following Gas Lost and Unaccounted For Percentages: 0.00% for Zone 1-1, 0.00% for Zone 1-2, and 0.00% for Zone 2-2. Transportation entirely by Displacement will incur only the Gas Lost and Unaccounted For Percentages.

Rate Schedule	Base Tariff Rate	Adjustment Under Section 27 1/	Rate After Current Adjustment
LMS – Monthly Demand Rate	\$1.00		\$1.00
LMS – Daily Overrun Rate	\$0.2003		\$0.2003
LMS – Load Management Cost Reconciliation Adjustment		\$0.0347	

1/ Pursuant to Section 27 of the General Terms and Conditions of this Tariff, a mechanism is established to reconcile through surcharges or credits to the Rate Schedule LMS rate, as appropriate, differences between the cost to maintain Company's line pack gas and the amounts Company receives or pays for such gas arising out of the purchase and sale of such gas.

Rate Schedule	Maximum Rate Per Dekatherm	Minimum Rate Per Dekatherm
PAL		
NPL, OPL, and APL Service:		
Daily Commodity Rate	\$0.2003	\$0.0000
RPL Service:		
Daily Reservation Rate	\$0.2003	\$0.0000

**MONTANA-DAKOTA UTILITIES CO.
RETURN ON CYCLE STORAGE BALANCES
AND PREPAID DEMAND AND COMMODITY BALANCES
NORTH DAKOTA GAS
EFFECTIVE JUNE 2019**

	General Service		
	Storage Balance 1/	Prepaid Commodity Balance 2/	Prepaid Demand
October 2018	\$7,742,537	\$452,392	\$4,305,188
November	6,199,850	395,310	3,411,163
December	3,860,874	313,450	1,275,145
January 2019	1,871,354	198,685	(1,173,691)
February	(1,411,190)	54,279	(2,833,675)
March	(1,596,804)	46,113	(3,851,889)
April	(1,071,166)	67,427	(3,857,306)
May	693,477	143,654	(2,351,720)
June	2,960,925	241,602	(199,223)
July	5,292,583	342,323	2,009,575
August	7,872,589	442,776	4,216,356
September	10,159,147	530,384	6,158,874
October	10,857,140	557,199	6,542,040
13 month average	<u>\$4,110,101</u>	<u>\$291,200</u>	<u>\$1,050,064</u>
Rate of Return	7.236%	7.236%	7.236%
Return	\$297,407	\$21,071	\$75,983
Return Requirement	<u>\$361,031</u>	<u>\$25,579</u>	<u>\$92,238</u>

1/ Allocated on percent of Contracted Capacity.

2/ Allocated on Total Normalized Firm Dk Deliveries.

**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 & 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>
Balance @ July 31, 2018									<u><u>(\$3,442,975)</u></u>
August	(\$391,755)	\$0	(\$5,804)	(\$397,559)	307,795	\$0.025	\$7,695	(\$405,254)	(3,848,229)
September	(133,072)	0	(6,799)	(139,871)	295,043	0.025	7,376	(147,247)	(3,995,476)
October	(353,621)	0	(7,446)	(361,067)	858,381	(0.214)	(63,597) 2/	(297,470)	(4,292,946)
November	(304,596)	0	(8,274)	(312,870)	1,391,043	(0.214)	(297,683)	(15,187)	(4,308,133)
December	669,703	0	(8,433)	661,270	2,198,123	(0.214)	(470,398)	1,131,668	(3,176,465)
January 2019	1,123,285	0	(6,185)	1,117,100	2,564,141	(0.214)	(548,726)	1,665,826	(1,510,639)
February	(752,515)	0	(2,913)	(755,428)	3,105,006	(0.214)	(664,471)	(90,957)	(1,601,596)
March	(1,517,963)	(17,728) 3/	(3,107)	(1,538,798)	3,164,059	(0.214)	(677,109)	(861,689)	(2,463,285)
Balance @ March 31, 2019									<u><u>(\$2,463,285)</u></u>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 355,887 dk @ (\$0.214) and 502,494 dk @ \$0.025.

3/ Unrefunded interim balance credit in Case No. PU-17-295.

**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
Balance @ July 31, 2018									<u>(\$17,036)</u>
August	(\$2,256)	\$0	(\$29)	(\$2,285)	21,725	\$0.005	\$110	(\$2,395)	(19,431)
September	3,335	0	(35)	3,300	20,732	0.005	103	3,197	(16,234)
October	(2,617)	0	(31)	(2,648)	37,071	(0.021)	49 2/	(2,697)	(18,931)
November	22,875	0	(37)	22,838	96,852	(0.021)	(2,033)	24,871	5,940
December	94,271	0	11	94,282	130,916	(0.021)	(2,750)	97,032	102,972
January 2019	42,317	0	203	42,520	90,396	(0.021)	(1,899)	44,419	147,391
February	2,513	0	293	2,806	101,561	(0.021)	(2,132)	4,938	152,329
March	6,395	(3) 3/	303	6,695	96,964	(0.021)	(2,036)	8,731	161,060
Balance @ March 31, 2019									<u>\$161,060</u>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 5,276 dk @ (\$0.021) and 31,795 dk @ \$0.005.

3/ Unrefunded interim balance credit in Case No. PU-17-295.

**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
Balance @ July 31, 2018									<u>(\$14,070)</u>
August	(\$21,693)	\$0	(\$24)	(\$21,717)	3,948	(\$0.020)	(\$79)	(\$21,638)	(35,708)
September	(4,143)	0	(63)	(4,206)	4,446	(0.020)	(89)	(4,117)	(39,825)
October	1,196	0	(74)	1,122	12,738	(0.032)	(255) 2/	1,377	(38,448)
November	(7,622)	0	(74)	(7,696)	30,393	(0.032)	(972)	(6,724)	(45,172)
December	24,368	0	(89)	24,279	47,356	(0.032)	(1,516)	25,795	(19,377)
January 2019	33,787	0	(38)	33,749	52,272	(0.032)	(1,673)	35,422	16,045
February	6,745	0	33	6,778	67,085	(0.032)	(2,146)	8,924	24,969
March	196	0	50	246	70,634	(0.032)	(2,260)	2,506	27,475
Balance @ March 31, 2019									<u>\$27,475</u>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 0 dk @ (\$0.032) and 12,738 dk @ (\$0.020).

MONTANA-DAKOTA UTILITIES CO.
COST OF GAS - PROPANE
NORTH DAKOTA
EFFECTIVE JUNE 2019

Cost of Purchased Propane	\$5,465
Gallons Purchased	10,929
Projected dk Sales	1,000
Propane Cost per Dk	\$5.465
Average Cost of Propane as Adjusted for Losses @ 99.55%	5.490
Less: Propane Cost Level in Rates 1/	<u>7.685</u>
Current Propane Cost Adjustment	<u><u>(\$2.195)</u></u>

1/ Propane Cost Level in Current Rates - Case No. PU-19-008, effective May 1, 2019.

MONTANA-DAKOTA UTILITIES CO.
COST OF GAS - PROPANE TARIFF SHEET
NORTH DAKOTA PROPANE
EFFECTIVE JUNE 2019

Cost of Gas - Propane

Current Propane Cost (Exhibit 7, Page 1)	\$5.490
Prior Filed Propane Cost	<u>7.685</u>
Current Propane Cost Adjustment	<u><u>(\$2.195)</u></u>

Surcharge Adjustment

Current Adjustment	(\$0.510)
Prior Filed Adjustment	<u>(0.510)</u>
Change in Surcharge Adjustment	\$0.000

Grain Drying Margin Sharing

Current Adjustment	(\$0.013)
Prior Adjustment	<u>(0.013)</u>
Change in Grain Drying Margin Sharing	\$0.000

Total Cost of Gas Items

\$4.967

Net Increase (Decrease) in Gas Costs

(\$2.195)

**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 & 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>
Balance @ February 28, 2019									<u>(\$24,476)</u>
March 2019	(\$6,095)	\$0	(\$48)	(\$6,143)	7,293	(\$0.371)	(\$2,705)	(\$3,438)	(27,914)
Balance @ March 31, 2019									<u>(\$27,915)</u>

1/ Interest calculated at Three Month Treasury Bill rate.