



UTILITIES CO.

A Subsidiary of MDU Resources Group, Inc.

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

April 8, 2020

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-20-008

In accordance with North Dakota Century Code Section 49-05-05, Montana-Dakota Utilities Co. (Montana-Dakota) electronically submits a Cost of Gas (COG) change pursuant to the terms of Rates 88 and 99. In response to the COVID-19 pandemic, Montana-Dakota has provided an electronic copy only to further reduce the potential spread of the virus.

The Rate Summary Sheet (184th Revised Sheet No. 3) showing the proposed natural gas rates reflecting the COG effective May 1, 2020 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 a decrease of \$0.677 per dk for residential customers and firm general customers, a decrease of \$0.644 per dk for small and large interruptible customers, a decrease of \$0.642 per dk for Air Force interruptible customers, and a decrease of \$3.758 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 decreased \$0.654 per dk since the cost established in the February 2020 PGA filing due to a decrease in the overall commodity price of gas. There have also been changes in pipeline rates resulting in a net decrease in the cost of gas of \$0.003 per dk. In addition, there was a small system wide change in contracted demand and an update to the WBI capacity release for a net decrease of \$0.020 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 April 2020 PGA filing.

The following Exhibits are provided in support of the COG rates to be effective May 1, 2020:

- 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 May 2020.
- Exhibit 3, shows the calculation of the current gas cost adjustment that will be applicable to Montana-Dakota's customers for the month of May 2020 along with an explanation of the reasons for the decrease in the market price of gas. The average cost of gas for firm customers, adjusted for losses, is \$3.045 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 October 2, 2019, Order in Case No. PU-19-008. Exhibit 3a – Public Copy is included in this filing. Montana-Dakota has submitted a renewal of the Application for Trade Secret Protection to renew the request of confidential treatment of portions of the cost of gas calculation for 2020.
- 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 May 2020. The net effect of this filing is a decrease of \$3.758 per dk for all customers from the currently effective rates as a result of the annual change in the surcharge and a change in cost of propane from that established in the April 2020 PGA filing. The average cost of propane for all customers, adjusted for losses, is \$3.952 per dk.
- Exhibit 8 shows the calculation of the surcharge adjustment applicable to the cost of gas – propane which will apply during the period May 1, 2020 through April 30, 2021. The surcharge is (\$1.084) per dk, a decrease of \$0.574 per dk for all customers.

The COG changes, calculated in accordance with Rate 88 and Rate 99, will amount to a decrease of approximately \$387,000 for natural gas customers and a decrease of approximately \$11,000 for propane customers during the month of May 2020. All Montana-Dakota's retail gas customers in North Dakota may be affected by this proposal. There were 110,762 natural gas customers and 334 propane customers in North Dakota as of March 31, 2020.

Please refer all inquiries regarding this filing to:

Mr. Travis R. Jacobson
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 6, 2020 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 this electronic filing, in lieu of an original and two (2) physical copies, be accepted as being in full compliance with the filing requirements of this Commission.

If you have any questions regarding this filing, please contact me at (701) 222-7855 or travis.jacobson@mdu.com

Sincerely,

/s/ Travis R. Jacobson

Travis R. Jacobson
Director of Regulatory Affairs

Attachment

**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

184th Revised Sheet No. 3

Canceling 183rd Revised Sheet No. 3

RATE SUMMARY SHEET

Page 1 of 1

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	\$2.869	\$2.869
Air Force Rate 64	7	\$2,000.00 per month			
Minot Air Force Base		\$175.00 per month			
PAR Site					
Firm Service			\$0.329	\$2.869	\$3.198
Interruptible Service - PAR			\$0.177	\$1.959	\$2.136
Interruptible Service - MAFB			\$0.177	\$1.764	\$1.941
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	\$2.869	\$3.680
Small Interruptible Gas Rate 71	14	\$190.00 per month	(Maximum) \$1.063	\$1.959	(Maximum) \$3.022
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	\$2.995	\$3.806
Contracted Demand Service Rate 74	16		(Demand Charge)	(Capacity Charge)	\$10.670
Meters rated < 500 cubic feet		\$0.70 per day			
Meters rated > 500 cubic feet		\$2.05 per day	\$6.510	(COG/Dk)	\$1.524
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	\$1.959	(Maximum) \$2.677
Residential Propane Rate 90	32	\$0.6860 per day	\$0.000	\$2.852	\$2.852
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	\$2.852	\$3.663

Date Filed: April 8, 2020

Effective Date: Service rendered on and after May 1, 2020

Issued By: Travis R. Jacobson
Director - Regulatory Affairs

Case No.: PU-20-008

MONTANA-DAKOTA UTILITIES CO.
COST OF GAS TARIFF SHEET
NORTH DAKOTA GAS
EFFECTIVE MAY 2020

	Firm			Small & Large Interruptible	Air Force Interruptible
	Residential & General Service	Optional Seasonal	Contracted Demand		
<u>Gas Cost Adjustment:</u>					
Gas Cost Level (Exhibit 3)	\$3.045	\$3.171	\$1.540	\$1.674	\$1.666
Prior Filed Gas Cost (Effective 2/1/2020)	<u>3.722</u>	<u>3.851</u>	<u>2.178</u>	<u>2.318</u>	<u>2.308</u>
Current Gas Cost Adjustment	(\$0.677)	(\$0.680)	(\$0.638)	(\$0.644)	(\$0.642)
<u>Surcharge Adjustment:</u>					
Current Adjustment	(\$0.160)	(\$0.160)	\$0.000	\$0.285	\$0.098
Prior Filed Adjustment	<u>(0.160)</u>	<u>(0.160)</u>	<u>0.000</u>	<u>0.285</u>	<u>0.098</u>
Change in Surcharge Adjustment	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Gas Cost Level	\$3.045	\$3.171	\$1.540	\$1.674	\$1.666
Plus: Surcharge	<u>(0.160)</u>	<u>(0.160)</u>	<u>0.000</u>	<u>0.285</u>	<u>0.098</u>
Total Gas Cost Level in Tariff Rates	<u>\$2.885</u>	<u>\$3.011</u>	<u>\$1.540</u>	<u>\$1.959</u>	<u>\$1.764</u>
<u>Grain Drying Margin Sharing</u>					
Current Adjustment	(\$0.016)	(\$0.016)	(\$0.016)	\$0.000	\$0.000
Prior Filed Gas Cost	<u>(0.016)</u>	<u>(0.016)</u>	<u>(0.016)</u>	<u>0.000</u>	<u>0.000</u>
Change in Grain Drying Sharing Margin	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Total Cost of Gas Billed	<u>\$2.869</u>	<u>\$2.995</u>	<u>\$1.524</u>	<u>\$1.959</u>	<u>\$1.764</u>
Net Increase (Decrease) in Gas Costs	<u>(\$0.677)</u>	<u>(\$0.680)</u>	<u>(\$0.638)</u>	<u>(\$0.644)</u>	<u>(\$0.642)</u>

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
RESIDENTIAL AND GENERAL SERVICE
EFFECTIVE MAY 2020**

	<u>Amount</u>
Total Gas Costs 1/	\$48,802,122
Dk Requirements - Firm 2/	16,098,673
Average Cost of Gas per dk	\$3.031
Average Cost of Gas as Adjusted for Losses @ 99.55%	3.045
Less: Gas Cost Level in Rates 3/	<u>3.722</u>
Current Gas Cost Adjustment	<u><u>(\$0.677)</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 December 31, 2019, adjusted for losses at .45%.
- 3/ Gas Cost Level in Current Tariff Rates Case No. PU-20-008 effective February 1, 2020:

Cost of Purchased Gas	\$3.705
Adjustment for Distribution Losses	99.55%
Gas Cost Level in Base Tariff Rates	\$3.722

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
NORTH DAKOTA - OPTIONAL SEASONAL - RATE 72
EFFECTIVE MAY 2020**

	<u>Amount</u>
Total Gas Costs 1/	\$48,802,122
Less: Annual MDDQ Costs (Excludes Storage Capacity Reservation)	<u>24,121,108</u>
Total Gas Costs excluding MDDQ	\$24,681,014
Firm Service Requirements 1/	16,098,673
Other Gas Costs per Dk (excluding MDDQ)	\$1.533
<u>Winter - October - May</u>	
Annual MDDQ Costs	24,121,108
Winter Firm Service Requirements	14,857,275
MDDQ Costs per Winter Dk	\$1.624
Add: Other Gas Costs per Dk	<u>1.533</u>
Winter Seasonal Rate	\$3.157
Winter Seasonal Rate, adjusted for losses 2/	\$3.171
Less: Gas Cost Level in Rates 3/	<u>3.851</u>
Current Gas Cost Adjustment	<u><u>(\$0.680)</u></u>

1/ Exhibit 3, page 1.

2/ Loss factor of 0.45%.

3/ Gas Cost Level in Current Tariff Rates Case No. PU-20-008 effective February 1, 2020:

	<u>Winter</u>
Cost of Purchased Gas	\$3.834
Adjustment for Distribution Losses	99.55%
Gas Cost Level in Base Tariff Rates	\$3.851

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
FIRM GENERAL CONTRACTED DEMAND
EFFECTIVE MAY 2020**

<u>Cost of Gas</u>	<u>Amount</u>
Total Gas Costs, Excluding Capacity 1/	\$24,681,014
Residential and General Service dk Requirements 2/	16,098,673
Average Cost of Gas per dk	\$1.533
Average Cost of Gas as Adjusted for Losses @ 99.55%	1.540
Less: Gas Cost Level in Rates 3/	<u>2.178</u>
Current Gas Cost Adjustment	<u><u>(\$0.638)</u></u>
<u>Capacity Charge</u>	
Current Monthly Capacity Charge 4/	\$10.67
Prior Filed Capacity Charge 3/	<u>10.91</u>
Current Capacity Charge Adjustment	<u><u>(\$0.24)</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 December 31, 2019, adjusted for losses at .45%.
- 3/ Gas Cost Level in Current Tariff Rates Case No. PU-20-008 effective February 1, 2020:

Cost of Purchased Gas	\$2.168
Adjustment for Distribution Losses	0.9955
Gas Cost Level in Base Tariff Rates	\$2.178
Monthly Capacity Charge	\$10.91

- 4/ Annual MDDQ Costs divided by contracted capacity.

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
INTERRUPTIBLE
EFFECTIVE MAY 2020**

	<u>Amount</u>
Total Gas Costs 1/	\$9,993,121
Dk Requirements - Interruptible	5,999,328
Average Cost of Gas per dk	\$1.666
Average Cost of Gas as Adjusted for Losses @ 99.55%	1.674
Less: Gas Cost Level in Rates 2/	2.318
Current Gas Cost Adjustment	(\$0.644)

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-20-008 effective February 1, 2020:

Cost of Purchased Gas	\$2.308
Adjustment for Distribution Losses	99.55%
Gas Cost Level in Base Tariff Rates	\$2.318

MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
AIR FORCE INTERRUPTIBLE
EFFECTIVE MAY 2020

	<u>Amount</u>
Total Gas Costs 1/	\$762,239
Dk Requirements - Air Force Interruptible	457,577
Average Cost of Gas per dk	\$1.666
Less: Gas Cost Level in Rates 2/	<u>2.308</u>
Current Gas Cost Adjustment	<u><u>(\$0.642)</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-20-008 effective February 1, 2020:

Cost of Purchased Gas	\$2.308
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**MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF FIRM DK DELIVERIES, CAPACITY AND
CALCULATION OF INTERRUPTIBLE DEMAND
EFFECTIVE MAY 2020**

	Normalized Firm Dk Deliveries 1/	Percent Firm
Montana	9,843,912	27.803993%
North Dakota	16,098,673	45.470479%
South Dakota	6,920,358	19.546455%
Wyoming	2,541,727	7.179073%
Total	35,404,670	100.000000%

	Total Capacity 2/	%
Montana	123,801	29.300070%
North Dakota	188,320	44.569827%
South Dakota	83,700	19.809338%
Wyoming	26,707	6.320765%
Total	422,528	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	2,737,179 7/	7,499
Total	14,652,258	40,144

1/ Normalized firm sales volumes for the twelve months ended December 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. 30013-351-GR-19.

	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%

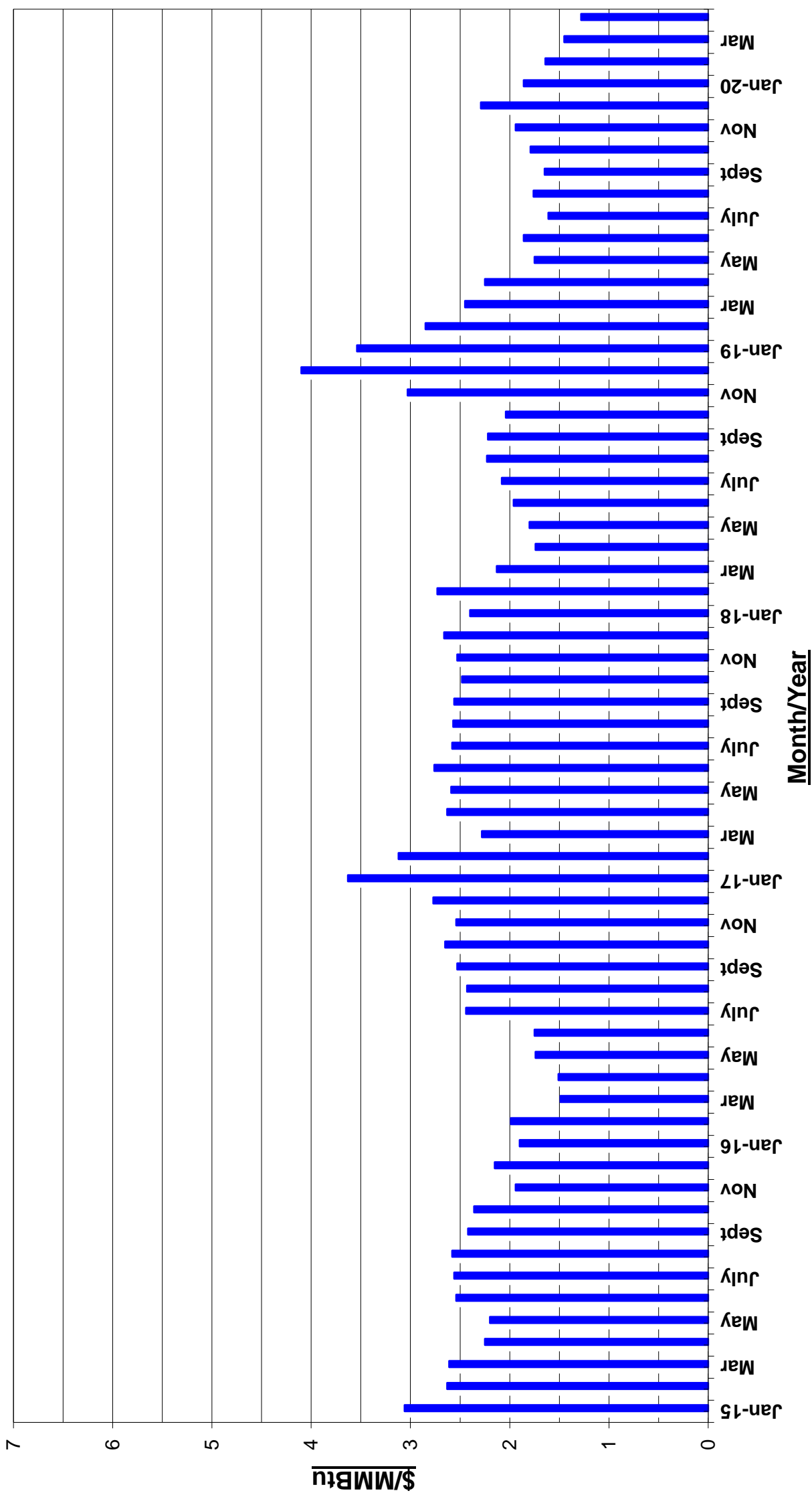
**Montana-Dakota Utilities Co.
Market Conditions for Regional Natural Gas
May 2020**

The established monthly price for May 2020 Rocky Mountain CIG Index is expected to decrease by \$0.14/MMBTU to \$1.14/MMBTU from \$1.28/MMBTU in May 2020. 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.

The EIA reported nationwide storage levels as of March 27, 2020 at 17.2 percent above the five-year average and 76.8 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 2015-2020YTD



From Inside F.E.R.C.'s Gas Market Report
Annual Averages: - 2018-\$2.37, 2019 - \$2.15, 2020YTD - \$1.56

**MONTANA-DAKOTA UTILITIES CO.
CURRENT GAS COST ADJUSTMENT - NORTH DAKOTA
NORTH DAKOTA GAS UTILITY
EFFECTIVE MAY 2020**

	<u>Requirements</u>	<u>Per Unit Cost</u>	<u>Amount</u>
<u>RESIDENTIAL AND GENERAL SERVICE</u>			
<i>Demand Costs - MDDQ</i>	188,320		
<i>Transportation & Storage Costs - Dk</i>	16,098,673		
<i>Commodity Costs - Dk</i>	16,098,673		
<i>Return on Rate Base</i>			
Demand Charges			\$113,369
Prepaid Commodity Balances			15,294
Cycle Storage Balances			413,410
<i>Total Return</i>			<u>\$542,073</u>
<i>Total Gas Costs - North Dakota only</i>			<u><u>\$48,802,122</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			\$9,895
Prepaid Commodity Balances			1,335
Cycle Storage Balances			36,083
<i>Total Return</i>			<u>\$47,313</u>
<i>Total Gas Costs - North Dakota only</i>			<u><u>\$9,993,121</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			\$755
Prepaid Commodity Balances			102
Cycle Storage Balances			2,753
<i>Total Return</i>			<u>\$3,610</u>
<i>Total Gas Costs - North Dakota only</i>			<u><u>\$762,239</u></u>

MONTANA-DAKOTA UTILITIES CO.
COMPUTATION OF CURRENT GAS COST ADJUSTMENT
TOTAL SYSTEM COSTS
EFFECTIVE MAY 2020

	<u>Quantity</u>		<u>Tariff Rate</u>	<u>Amount</u>
System Demand Charges				
Transportation Capacity Reservation (MDDQ)				
WBI FT-1	355,998	dk/Month	\$9.84165	\$42,043,293
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	10.02627	
Black Hills Gas		dk/Month	0.10650	
South Dakota Interstate Pipeline		dk/Month	15.05919	
Supplemental Transportation Capacity				
Northern Border et. al.		dk/Month	11.42450	
Viking Gas Transmission		dk/Month	3.80600	
Viking Gas Transmission (Release) 2/		dk/Month	4.75070	
Storage Capacity Reservation (MDDQ)				
WBI FTN-1		dk/Month	0.27069	
WBI FS-1 Capacity Reservation		dk/Month	0.02347	
WBI FS-1 Deliverability Reservation		dk/Month	\$2.06592	
Total System Contracted Capacity		MDDQ		\$63,200,330
System Commodity Charges				
Transportation Charges				
WBI FT-1 Commodity		dk	\$0.02607	
WBI FT-1 Commodity (Black Hills Exp)		dk	0.00130	
NW T-FTG-1 Commodity		dk	0.04856	
Black Hills Gas Commodity		dk	0.27520	
Viking Gas Transmission		dk	0.01490	
Fuel Charges				
WBI - Fuel - Transportation		dk		
NW - Fuel - Transportation		dk		
NB - Fuel - Transportation		dk		
WBI - Electric Power		dk	0.01453	
Storage Charges				
WBI FS-1 Injection		dk	0.01000	
WBI FS-1 Withdrawal		dk	0.01000	
WBI - Fuel - Storage		dk		
WBI - Electric Power		dk	0.00079	
Subtotal - Transportation Costs		dk		
Gas Commodity Charges				
Gas Commodity		dk		
Total System Commodity Cost of Gas	35,404,670	dk		\$44,178,749

1/ Capacity release estimated based on actual releases for the 12 months ending January 2020.

2/ Seasonal capacity release for November 2019 - March 2020 at a price of \$4.7507 per dk/month.

**MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF PIPELINE RATES
EFFECTIVE MAY 2020**

Pipeline Rate Changes Since The Last Filing Submitted

WBI Energy Transmission Inc. Docket No. RP20-602-000

On February 28, 2020, WBI Energy Transmission filed its Annual Fuel and Electric Power Reimbursement Adjustment in Docket No. RP20-602-000 to be effective April 1, 2020.

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

Black Hills Energy Docket No. 30026-2-GR-19

On June 3, 2019, Black Hills Wyoming Gas filed to increase its natural gas rates in Docket No. 30026-2-GR-19 to be effective March 1, 2020. The rates reflect changes in the administrative fees, eliminating the demand component and increasing the commodity transportation charges.

Approximate impact on Montana-Dakota's cost of gas: (0.4) cents per dk for North Dakota.

Viking Gas Transmission Co. Docket No. RP19-1340-002

Viking Gas Transmission Co. implemented settlement rates on an interim basis in Docket No. RP19-1340-002 to be effective March 1, 2020.

Approximate impact on Montana-Dakota's cost of gas: (0.5) cents per dk for North Dakota.

NorthWestern Energy Docket No. D2019.11.089

On December 18, 2019, NorthWestern Energy filed its 2018 Electric and Natural Gas Tax Tracker filing in Docket No. D2019.11.089 to be effective January 1, 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 MAY 2020**

Northern Border 1/

Monchy to Mina Mileage	506.0943
Maximum Rate (Daily)	<u>\$0.0245</u>
Maximum Rate Per 100 Miles	\$0.1240

Foothills (FT) Zone 9

Rate (Canadian GJ/d) 2/	\$0.1450
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	<u>0.7049</u>
	0.1078

NOVA - FT-D

Demand Rate (Canadian GJ/d) 4/	\$0.1934
GJ/d conversion to MMBtu	1.0551
Currency Exchange Rate 3/	<u>0.7049</u>
	0.1438

Northern Border Et Al Rate (dk/Day)	<u><u>\$0.3756</u></u>
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Northern Border Et Al Rate (dk/Month)	<u><u>\$11.4245</u></u>
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- 1/ T-1 & T-1B Daily Reservation Rate, Port of Morgan, MT to Ventura, IA effective January 1, 2020. See Exhibit 4, page 12.
- 2/ Rate Schedule FT, Firm Service Zone 9, rates effective January 1, 2020.
- 3/ Exchange rate per April 1, 2020 Gas Daily.
- 4/ FT-D Demand Rate per Month, Empress/McNeill Border, rates effective January 1, 2020 (expressed as a daily rate). Includes a 5% discount rate based on 3-4 year term contract expiring 12/31/2021. See Exhibit 4, page 13-14.

**MONTANA-DAKOTA UTILITIES CO.
NORTHWESTERN ENERGY DEMAND AND COMMODITY CHARGES
EFFECTIVE MAY 2020**

<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	9.989468	1,282,648
			1,287,373
Demand charge per dk			\$10.02627
<u>Commodity: 3/</u>			
Transportation (max)			\$0.058378
GTAC			(0.009815)
Total T-FTG-1 Rate (max)			\$0.048563

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

2/ Firm Transportation Reservation Rate (T-FTG-1), see Exhibit 4, page 15.
52nd Revised Sheet No. 80.1, effective January 1, 2020.

3/ Firm Transmission Commodity Rate (T-FTG-1)
52nd Revised Sheet No. 80.1, effective January 1, 2020.

**MONTANA-DAKOTA UTILITIES CO.
SOUTH DAKOTA INTRASTATE PIPELINE TRANSPORTATION CHARGES
EFFECTIVE MAY 2020**

<u>Demand:</u>	<u>Monthly Rate 1/</u>	<u>Daily Capacity 2/</u>	<u>Total</u>
MDDQ	170,620.58	11,330	\$15.05919

1/ SD Intrastate Pipeline 2nd Revised Sheet No. 1 effective November 1, 2019 through August 31, 2023, see Exhibit 4, page 16.

2/ The design day Dk for Montana-Dakota Utilities Co. on Firm Transportation Service. Design day volumes are not the total pipeline capacity. However, MDU is the only firm customer on SDIP, therefore MDU is contracted to pay the full monthly rate.

NOTE:

Revenue credits received from South Dakota Intrastate Pipeline for the Dk used by its interruptible customer will be reflected in the above per unit charge when 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 MAY 2020**

<u>Demand:</u>	Billing <u>Determinants</u>	<u>Rate</u>	<u>Total</u>
Administrative Fee 1/	12	\$213	\$2,556
Demand charge per dk/Month	2,000		<u>\$0.10650</u>
<u>Commodity: 2/</u> Transportation			<u>\$0.2752</u>

1/ One meter @ \$114/meter and Off-system Firm Transport fee @ \$99/meter. Black Hills WY Gas Section B, Original Sheet No. 11, see Exhibit 4, page 17.

2/ Discount Agreement for Montana-Dakota Utilities Co. on Firm Transportation Service Agreement #6000621 effective February 1, 2020 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	BASE TARIFF RATE PLUS SURCHARGES
RESERVATION CHARGE					
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)					
MAXIMUM	RATE PER EQV. DKT PER MO.	984.165	N.A.	N.A.	984.165
MINIMUM	RATE PER EQV. DKT PER MO	0.000	N.A.	N.A.	0.000
COMMODITY CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	2.477	N.A.	N.A.	2.477
MINIMUM A/B/C/	RATE PER DKT	2.477	N.A.	N.A.	2.477
SCHEDULED OVERRUN CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	34.367	N.A.	N.A.	34.367
MINIMUM A/B/C/	RATE PER DKT	2.477	N.A.	N.A.	2.477
VOLUMETRIC CAPACITY RELEASE CHARGE					
MAXIMUM	RATE PER DKT	32.356	N.A.	N.A.	32.356
MINIMUM	RATE PER DKT	0.000	N.A.	N.A.	0.000

A/ SHIPPER MUST REIMBURSE TRANSPORTER IN-KIND FOR TRANSPORTATION FUEL USE AND LOST AND UNACCOUNTED FOR GAS. THE APPLICABLE PERCENTAGES ARE REFLECTED ON SHEET NO. 21A. THESE PERCENTAGES SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS TENDERED TO TRANSPORTER FOR SHIPPER'S ACCOUNT AT THE RECEIPT POINT(S) INTO TRANSPORTER'S TRANSMISSION FACILITIES.

B/ SHIPPER MUST REIMBURSE TRANSPORTER FOR ELECTRIC POWER USED FOR TRANSPORTATION. THE APPLICABLE RATE IS REFLECTED ON SHEET NO. 21B. THIS RATE SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS TENDERED TO TRANSPORTER FOR SHIPPER'S ACCOUNT AT THE RECEIPT POINT(S) INTO TRANSPORTER'S TRANSMISSION FACILITIES.

C/ SHIPPER MUST REIMBURSE TRANSPORTER FOR THE ACA SURCHARGE. SUCH SURCHARGE SHALL BE THE ACA UNIT CHARGE SPECIFIED IN THE ANNUAL NOTICE ISSUED BY THE FERC ENTITLED "FY [YEAR] GAS ANNUAL CHARGES CORRECTION FOR ANNUAL CHARGES UNIT CHARGE."

NOTICE OF CURRENTLY EFFECTIVE RATES

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

RATE SCHEDULE	UNIT	BASE TARIFF RATE	TOP THROUGHPUT SURCHARGE	GAS SUPPLY REALIGNMENT SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
RATE SCHEDULE 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.	1890.563
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000
COMMODITY CHARGE					
MAXIMUM C/D/E/	RATE PER DKT	2.477	N.A.	N.A.	2.477
MINIMUM C/D/E/	RATE PER DKT	2.477	N.A.	N.A.	2.477
SCHEDULED OVERRUN CHARGE					
MAXIMUM C/D/E/	RATE PER DKT	34.367	N.A.	N.A.	34.367
MINIMUM C/D/E/	RATE PER DKT	2.477	N.A.	N.A.	2.477
VOLUMETRIC CAPACITY RELEASE CHARGE					
MAXIMUM	RATE PER DKT	62.155	N.A.	N.A.	62.155
MINIMUM	RATE PER DKT	0.000	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."

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
RESERVATION CHARGE					
RESERVATION CHARGE					
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)					
MAXIMUM	RATE PER EQV. DKT PER MO.	27.069	N.A.	N.A.	27.069
MINIMUM	RATE PER EQV. DKT PER MO.	1.203	N.A.	N.A.	1.203
VOLUMETRIC CAPACITY RELEASE CHARGE					
VOLUMETRIC CAPACITY RELEASE CHARGE					
MAXIMUM	RATE PER DKT	0.890	N.A.	N.A.	0.890
MINIMUM	RATE PER DKT	0.040	N.A.	N.A.	0.040

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.	2.347	N.A.	N.A.	2.347
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.	206.592	N.A.	N.A.	206.592
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000
INJECTION CHARGE					
MAXIMUM A/B/	RATE PER DKT	1.000	N.A.	N.A.	1.000
MINIMUM A/B/	RATE PER DKT	1.000	N.A.	N.A.	1.000
WITHDRAWAL CHARGE					
MAXIMUM A/B/	RATE PER DKT	1.000	N.A.	N.A.	1.000
MINIMUM A/B/	RATE PER DKT	1.000	N.A.	N.A.	1.000
SCHEDULED OVERRUN CHARGE					
MAXIMUM A/B/	RATE PER DKT	25.644	N.A.	N.A.	25.644
MINIMUM A/B/	RATE PER DKT	1.000	N.A.	N.A.	1.000
WITHDRAWAL					
MAXIMUM A/B/	RATE PER DKT	25.644	N.A.	N.A.	25.644
MINIMUM A/B/	RATE PER DKT	1.000	N.A.	N.A.	1.000

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

NOTICE OF CURRENTLY EFFECTIVE RATES

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

TRANSPORTATION - RATE SCHEDULES FT-1 AND IT-1

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	1.419%	(0.038)%	1.381%
L&U REIMBURSEMENT	0.062%	0.394%	0.456%

GATHERING - FIRM AND INTERRUPTIBLE

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	4.318%	(0.027)%	4.291%
L&U REIMBURSEMENT	(0.022)%	0.285%	0.263%

STORAGE - RATE SCHEDULES FS-1 AND IS-1

	<u>CURRENT PERCENTAGE</u>	<u>DEFERRAL PERCENTAGE</u>	<u>TOTAL PERCENTAGE</u>
FUEL USE REIMBURSEMENT	0.182%	(0.254)%	(0.072)%
L&U REIMBURSEMENT	0.175%	0.301%	0.476%

NOTICE OF CURRENTLY EFFECTIVE RATES

ELECTRIC POWER REIMBURSEMENT RATES (CENTS/DKT)

TRANSPORTATION - RATE SCHEDULES FT-1 AND IT-1

	<u>CURRENT RATE</u>	<u>DEFERRAL RATE</u>	<u>TOTAL RATE</u>
ELECTRIC POWER REIMBURSEMENT	1.208	0.245	1.453

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	0.079	0.079

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	\$0.0245
Minimum	\$0.0000
Daily Reservation Rate - Ventura, IA to North Hayden, IN	
Maximum	\$0.0263
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.

Interim 2020 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) \$207.86 / 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 \$6.10 / GJ / month FT-D Demand Rate for Group 2 Delivery Points \$5.95 / GJ / month FT-D Demand Rate for Group 3 Delivery Points \$7.14 / 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>
	2019400720	\$121.72 / 10 ³ m ³ / month
	2011475772	\$9,250.00 / month
	2019378664	\$633 / month
	2003004522	Applicable IT-R and IT-D Rate
	2011476052 /	\$0.1951 / 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	555.85
	2	439.72
	3	284.30
15. Monthly Abandonment Surcharge ²	\$7.37 / 10 ³ m ³ / month	\$0.20 / GJ / month
16. Daily Abandonment Surcharge ³	\$0.24 / 10 ³ m ³ / day	\$0.0064 / GJ / day
17. Federal Fuel Charge ⁴	Marketable Natural Gas ⁵	\$0.0587 / m ³

- 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 Schedule OS: 2019400720.
- 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.
- Collected on all deliveries of gas within Alberta pursuant to any Rate Schedule unless NGTL has received a valid exemption certificate pursuant to the *Greenhouse Gas Pollution Pricing Act*.
- See FCN12 Canada Revenue Agency Administrative Position regarding Marketable Natural Gas under Part 1 of the *Greenhouse Gas Pollution Pricing Act*.

NOVA Gas Transmission Ltd.

Interim 2020 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	5.95	0.2146
31111	ALLIANCE CLAIRMONT INTERCONNECT APN	5.95	0.2146
31110	ALLIANCE EDSON INTERCONNECT APN	5.95	0.2146
31112	ALLIANCE SHELL CREEK INTERCONNECT APGC	5.95	0.2146
1958	EMPRESS BORDER	6.21	0.2240
3886	GORDONDALE BORDER	5.95	0.2146
6404	MCNEILL BORDER	6.21	0.2240

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	5.95	0.2146	Yes
31001	ADM AGRI INDUSTRIES SALES APN	5.95	0.2146	Yes
3880	AECO INTERCONNECTION	5.95	0.2146	
31003	AGRIUM CARSELAND SALES APS	5.95	0.2146	
31002	AGRIUM FT. SASK SALES APN	5.95	0.2146	Yes
31004	AGRIUM REDWATER SALES APN	5.95	0.2146	
31005	AINSWORTH SALES APGP	5.95	0.2146	
31006	AIR LIQUIDE SALES APN	5.95	0.2146	
6126	AITKEN CREEK SOUTH SALES ²	9.08	0.3173	
3214	AKUINU RIVER WEST SALES	5.95	0.2146	
31007	ALBERTA ENVIROFUELS SALES APN	5.95	0.2146	Yes ³
31008	ALBERTA HOSPITAL SALES APN	5.95	0.2146	Yes
3868	ALBERTA-MONTANA BORDER	5.95	0.2146	
3297	ALDER FLATS SOUTH NO 2 SALES	5.95	0.2146	
3059	ALLISON CREEK SALES	5.95	0.2146	
6132	ALTARES SALES ²	9.08	0.3173	
6133	ALTARES SOUTH SALES ²	9.08	0.3173	
31009	ALTASTEEL SALES APN	5.95	0.2146	Yes ³
3562	AMOCO SALES (BP SALES TAP)	5.95	0.2146	
31012	APL JASPER SALES APN	5.95	0.2146	Yes
3488	ARDLEY SALES	5.95	0.2146	
3237	ASPEN SALES	5.95	0.2146	
3662	ATUSIS CREEK EAST SALES	5.95	0.2146	
3216	AURORA NO 2 SALES	5.95	0.2146	
3135	AURORA SALES	5.95	0.2146	
3288	BANTRY SALES	5.95	0.2146	
3423	BASHAW WEST SALES	5.95	0.2146	
31013	BAYMAG SALES APS	5.95	0.2146	
6112	BAY TREE SALES	5.95	0.2146	
31014	BEAR CREEK COGEN SALES APGP	5.95	0.2146	

NorthWestern
Energy

NATURAL GAS TARIFF

Canceling 52nd Revised Sheet No. 80.1
51st 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)	\$ 0.9989468	\$ 0.2866700	\$ 0.7122768
Transmission Commodity Rate (Therm):			
Maximum	\$ 0.0058378	\$ 0.0021963	\$ 0.0036415
Minimum	\$ 0.0017935		\$ 0.0017935
GTAC Amortization	\$(0.0009815)		\$(0.0009815)
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.: 2019.11.089
Staff Approved: December 30, 2019
Per Section 69-3-308(2)(c), MCA
Tariff Letter No. 329-G

Effective for services rendered on
January 1, 2020
Sarah J. Kessel
Administrative Assistant



STATE OF SOUTH DAKOTA
GAS RATE SCHEDULE

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

SD P.U.C. Section 3
2nd Revised Sheet No. 1
Cancelling 1st Revised Sheet No. 1

FIRM TRANSPORTATION SERVICE **Rate 1**

Transportation rate is \$170,620.58 monthly for Firm Service effective November 1, 2019 through August 31, 2023. I

The Transportation rate is \$160,741.08 monthly for Firm Service effective September 1, 2023, if Transporter has not submitted a new application for rates, with an effective date prior to August 31, 2023. I

Revenue credits shall be applicable as set forth in the Contract for Firm Transportation Service. Service under this Firm Transportation Service Schedule shall be subject to the General Terms And Conditions as stated in Section 5. N
N

Date Filed: October 23, 2019

Effective Date: November 1, 2019

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

Docket No.: NG17-009



SECTION B – STATEMENT OF RATES - CONTINUED
Firm and Interruptible Transportation Service Rates

Service	Monthly Charge	Base Volumetric Charge	TCJA Amortization Credit	Maximum Volumetric Charge
On-System Firm Transport	\$198.00	\$0.1198	(\$0.0009)	\$0.1189
Off-System Firm Transport	\$99.00	\$0.1198		\$0.1198
Off-System Interruptible Transport	\$99.00	\$0.1198		\$0.1198
Administrative Fee	\$114.00			
Unauthorized Overrun Charge				\$0.8000
Supply Scheduling Charge				\$0.0060
Wyoming Integrity Rider				\$0.0000

All volumetric charges are per therm.

Interruptible Transportation Service is not available to On-System Customers.

Wyoming Integrity Rider is applicable to all maximum rate On-System Transportation Service Customers.

The Minimum Rate for Transportation Service is \$0.0010 per therm.

Fuel and Lost and Unaccounted For Gas Percentages

Casper Division

Transmission Fuel and Lost and Unaccounted For Gas percentage = 0.656%
Storage Injection Fuel and Lost and Unaccounted For Gas percentage = 3.339%
Choice Gas Service Distribution Fuel and Lost and Unaccounted For Gas Reconciliation percentage = 0.999%
Distribution and Gas Cost Adjustment Fuel and Lost and Unaccounted For Gas percentage = 0.910%

Gillette Division

Transmission Fuel and Lost and Unaccounted For Gas percentage = 0.350%
Choice Gas Service Distribution Fuel and Lost and Unaccounted for Gas Reconciliation percentage = 3.948%
Distribution and Gas Cost Adjustment Fuel and Lost and Unaccounted for Gas percentage = 2.619%

Torrington Division

Choice Gas Service Distribution Fuel and Lost and Unaccounted For Gas Reconciliation percentage = 1.719%
Distribution and Gas Cost Adjustment Fuel and Lost and Unaccounted For Gas percentage = 0.744%

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	\$3.9106
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate 1/	\$4.9080
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.6118
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	\$3.8583
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$4.8330
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.5890
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	\$3.8060
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$4.7580
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.5662
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	\$0.0136	0.09%
Zone 1-2	\$0.0136	0.11%
Zone 2-2	\$0.0136	0.02%
Minimum Rate	\$0.0136	
IT and AOT		
Zone 1-1	\$0.1422	0.09%
Zone 1-2	\$0.1750	0.11%
Zone 2-2	\$0.0995	0.02%
Minimum Rate	\$0.0136	

- 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	\$1.0000		\$1.0000
LMS – Daily Overrun Rate	\$0.1750		\$0.1750
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	\$0.1750	\$0.0000
RPL Service:		
Daily Reservation Rate	\$0.1750	\$0.0000

**MONTANA-DAKOTA UTILITIES CO.
RETURN ON CYCLE STORAGE BALANCES
AND PREPAID DEMAND AND COMMODITY BALANCES
NORTH DAKOTA GAS
EFFECTIVE MAY 2020**

	General Service		
	Storage Balance 1/	Prepaid Commodity Balance 2/	Prepaid Demand 1/
October 2019	\$8,949,185	\$301,196	\$5,716,330
November	7,057,469	248,368	4,615,792
December	5,226,324	189,638	2,178,995
January 2020	2,759,996	117,371	(522,842)
February	956,709	60,102	(2,407,588)
March	(11,549)	28,574	(3,650,033)
April	428,376	42,203	(3,414,612)
May	1,591,482	78,237	(2,015,763)
June	3,862,185	148,585	(120,799)
July	5,498,178	199,269	1,770,446
August	7,172,981	249,727	3,659,989
September	8,595,814	292,890	5,321,450
October	9,096,093	307,254	5,646,762
13 month average	<u>\$4,706,403</u>	<u>\$174,109</u>	<u>\$1,290,625</u>
Rate of Return	7.236%	7.236%	7.236%
Return	\$340,555	\$12,599	\$93,390
Return Requirement	<u>\$413,410</u>	<u>\$15,294</u>	<u>\$113,369</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

	(Over) Under Recovery	Refunds & Other	Interest 1/ Other	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
Balance @ July 31, 2019									<u>(\$2,780,176)</u>
August	(\$231,215)	\$0	(\$4,418)	(\$235,633)	319,067	(\$0.214)	(\$68,280)	(\$167,353)	(2,947,529)
September	(158,665)	0	(4,539)	(163,204)	323,765	(0.214)	(69,287)	(93,917)	(3,041,446)
October	(416,213)	0	(4,086)	(420,299)	773,121	(0.160)	(148,238) 2/	(272,061)	(3,313,507)
November	(650,093)	0	(4,159)	(654,252)	1,593,794	(0.160)	(255,007)	(399,245)	(3,712,752)
December	(166,249)	0	(4,672)	(170,921)	2,177,560	(0.160)	(348,409)	177,488	(3,535,264)
January 2020	(406,359)	0	(4,389)	(410,748)	2,956,501	(0.160)	(473,039)	62,291	(3,472,973)
February	(1,076,854)	0	(4,316)	(1,081,170)	2,590,400	(0.160)	(414,464)	(666,706)	(4,139,679)
Balance @ February 29, 2020									<u>(\$4,139,679)</u>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 454,420 dk @ (\$0.214) and 318,701 dk @ (\$0.160).

**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/ 2	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
Balance @ July 31, 2019									\$169,464
August	(\$1,787)	\$0	\$272	(\$1,515)	16,839	(\$0.021)	(\$353)	(\$1,162)	168,302
September	(2,747)	0	261	(2,486)	23,041	(0.021)	(484)	(2,002)	166,300
October	(5,129)	0	225	(4,904)	43,440	0.285	1,947	(6,851)	159,449
November	8,025	0	201	8,226	114,769	0.285	32,709	(24,483)	134,966
December	25,503	0	170	25,673	231,863	0.285	66,081	(40,408)	94,558
January 2020	340	0	117	457	131,254	0.285	37,408	(36,951)	57,607
February	(35,641)	0	71	(35,570)	100,843	0.285	28,740	(64,310)	(6,703)
Balance @ February 29, 2020									(\$6,703)

1/ Interest calculated at Three Month Treasury Bill rate.
2/ Reflects 34,097 dk @ (\$0.021) and 9,343 dk @ \$0.285.

**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/ 2/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
Balance @ July 31, 2019									\$47,615
August	(\$6,365)	\$0	\$77	(\$6,288)	3,252	(\$0.032)	(\$104)	(\$6,184)	41,431
September	167	0	65	232	3,917	(0.032)	(125)	357	41,788
October	(1,148)	0	57	(1,091)	8,902	0.098	(285) 2/	(806)	40,982
November	(2,651)	0	52	(2,599)	33,342	0.098	3,268	(5,867)	35,115
December	4,169	0	44	4,213	43,700	0.098	4,282	(69)	35,046
January 2020	6,566	0	44	6,610	55,172	0.098	5,408	1,202	36,248
February	(21,365)	0	45	(21,320)	61,775	0.098	6,054	(27,374)	8,874
Balance @ February 29, 2020									\$8,874

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 8,902 dk @ (\$.032) and 0 dk @ \$.098.

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

	(Over) Under Recovery	Refunds & Other	Interest 1/ 2	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
Balance @ July 31, 2019									(\$1)
August	(\$1)	\$0	\$0	(\$1)	2	(\$0.214)	(\$1)	\$0	(1)
September	(631)	0	0	(631)	5,833	(0.214)	(1,248)	617	616
October	(613)	0	1	(612)	4,825	0.000	(1,032) 2/	420	1,036
November	635	0	1	636	5,770	0.000	0	636	1,672
December	2,327	0	2	2,329	8,639	0.000	0	2,329	4,001
January 2020	2,297	0	5	2,302	9,900	0.000	0	2,302	6,303
February	(7,679)	0	8	(7,671)	36,836	0.000	0	(7,671)	(1,368)
Balance @ February 29, 2020									(\$1,368)

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 0 dk @ \$0.000 and 4,825 dk @ (\$0.214).

**MONTANA-DAKOTA UTILITIES CO.
COST OF GAS - PROPANE
NORTH DAKOTA
EFFECTIVE MAY 2020**

Cost of Purchased Propane	\$10,623
Gallons Purchased	29,508
Projected dk Sales	2,700
Propane Cost per Dk	\$3.934
Average Cost of Propane as Adjusted for Losses @ 99.55%	3.952
Less: Propane Cost Level in Rates 1/	<u>7.136</u>
Current Propane Cost Adjustment	<u><u>(\$3.184)</u></u>

1/ Propane Cost Level in Current Rates - Case No. PU-20-008, effective April 1, 2020.

MONTANA-DAKOTA UTILITIES CO.
COST OF GAS - PROPANE TARIFF SHEET
NORTH DAKOTA PROPANE
EFFECTIVE MAY 2020

Cost of Gas - Propane

Current Propane Cost (Exhibit 7, Page 1)	\$3.952
Prior Filed Propane Cost	<u>7.136</u>
Current Propane Cost Adjustment	<u><u>(\$3.184)</u></u>

Surcharge Adjustment

Current Adjustment (Exhibit 8, Page 1)	(\$1.084)
Prior Filed Adjustment	<u>(0.510)</u>
Change in Surcharge Adjustment	(\$0.574)

Grain Drying Margin Sharing

Current Adjustment	(\$0.016)
Prior Adjustment	<u>(0.016)</u>
Change in Grain Drying Margin Sharing	\$0.000

Total Cost of Gas Items \$2.852

Net Increase (Decrease) in Gas Costs (\$3.758)

**MONTANA-DAKOTA UTILITIES CO.
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ADJUSTMENT
APPLICABLE TO NORTH DAKOTA
PROPANE
TO BE EFFECTIVE MAY 1, 2020 THROUGH APRIL 30, 2021**

(Over)/under recovered gas costs @ February 29, 2020 (\$49,936)

Less: Projected recovery from rates already established

	Volume	Rate	Amount
March	5,700	(\$0.510)	(2,907)
April	4,200	(\$0.510)	(2,142)
	9,900		(5,049)

Additional recovery required (\$44,887)

Projected sales volumes (dk)

May 2020	2,700		
June	1,100		
July	600		
August	600		
September	700		
October	1,700		
November	4,200		
December	5,600		
January 2021	7,300		
February	7,000		
March	5,700		
April	4,200		
Total			41,400

Total (over)/under recovered gas cost adjustment
to be effective May 1, 2020 through April 30, 2021. (\$1.084)

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

	(Over) Under Recovery	Refunds & Other	Interest 1/ Interest	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change- Additions less Adjustment	Cumulative Balance
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)
April	(12,603)	0	(55)	(12,658)	4,239	(0.371)	(1,574)	(11,084)	(38,998)
May	(9,134)	0	(76)	(9,210)	3,168	(0.510)	(1,497) 2/	(7,713)	(46,711)
June	114	0	(84)	30	1,270	(0.510)	(648)	678	(46,033)
July	7,885	0	(80)	7,805	855	(0.510)	(437)	8,242	(37,791)
August	(5,722)	0	(60)	(5,782)	706	(0.510)	(359)	(5,423)	(43,214)
September	(3,993)	0	(67)	(4,060)	808	(0.510)	(412)	(3,648)	(46,862)
October	3,218	0	(63)	3,155	3,229	(0.510)	(1,647)	4,802	(42,060)
November	1,240	0	(53)	1,187	5,071	(0.510)	(2,585)	3,772	(38,288)
December	1,338	0	(48)	1,290	6,320	(0.510)	(3,224)	4,514	(33,774)
January 2020	(13,570)	0	(42)	(13,612)	8,144	(0.510)	(4,154)	(9,458)	(43,232)
February	(9,785)	0	(54)	(9,839)	6,147	(0.510)	(3,135)	(6,704)	(49,936)
	<u>(\$47,107)</u>	<u>\$0</u>	<u>(\$730)</u>	<u>(\$47,837)</u>	<u>47,250</u>		<u>(\$22,377)</u>	<u>(\$25,460)</u>	
Balance @ February 29, 2020									<u>(\$49,936)</u>

1/ Interest calculated at Three Month Treasury Bill rate.

2/ Reflects 854 Dk @ (\$0.371) and 2,314 Dk @ (\$0.510).

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 2019</u>				
Cost of Gas - Actual	\$8.97847	\$9.17401	\$8.97847	
Cost of Gas - Recovered	9.88000	9.88000	9.88000	
(Over) Under recovery per dk	<u>(\$0.90153)</u>	<u>(\$0.70599)</u>	<u>(\$0.90153)</u>	
dk billed	0	2,432	4,861	7,293
(Over) Under recovery	<u>\$0</u>	<u>(\$1,717)</u>	<u>(\$4,378)</u>	<u>(\$6,095)</u>
<u>April 2019</u>				
Cost of Gas - Actual	\$5.50678	\$8.97847	\$5.50678	
Cost of Gas - Recovered	9.88000	9.88000	9.88000	
(Over) Under recovery per dk	<u>(\$4.37322)</u>	<u>(\$0.90153)</u>	<u>(\$4.37322)</u>	
dk billed	0	1,710	2,529	4,239
(Over) Under recovery	<u>\$0</u>	<u>(\$1,542)</u>	<u>(\$11,061)</u>	<u>(\$12,603)</u>
<u>May 2019</u>				
Cost of Gas - Actual	\$5.34030	\$5.50678	\$5.34030	
Cost of Gas - Recovered	7.68500	9.88000	9.88000	
(Over) Under recovery per dk	<u>(\$2.34470)</u>	<u>(\$4.37322)</u>	<u>(\$4.53970)</u>	
dk billed	2,315	998	(145)	3,168
(Over) Under recovery	<u>(\$5,425)</u>	<u>(\$4,367)</u>	<u>\$658</u>	<u>(\$9,134)</u>
<u>June 2019</u>				
Cost of Gas - Actual	\$7.56221	\$5.34030	\$7.56221	
Cost of Gas - Recovered	5.49000	7.68500	7.68500	
(Over) Under recovery per dk	<u>\$2.07221</u>	<u>(\$2.34470)</u>	<u>(\$0.12279)</u>	
dk billed	869	738	(337)	1,270
(Over) Under recovery	<u>\$1,804</u>	<u>(\$1,730)</u>	<u>\$40</u>	<u>\$114</u>
<u>July 2019</u>				
Cost of Gas - Actual	\$18.31704	\$7.56221	\$18.31704	
Cost of Gas - Recovered	4.94000	5.49000	5.49000	
(Over) Under recovery per dk	<u>\$13.37704</u>	<u>\$2.07221</u>	<u>\$12.82704</u>	
dk billed	593	317	(55)	855
(Over) Under recovery	<u>\$7,933</u>	<u>\$657</u>	<u>(\$705)</u>	<u>\$7,885</u>
<u>August 2019</u>				
Cost of Gas - Actual	(\$12.62915)	\$18.31704	(\$12.62915)	
Cost of Gas - Recovered	4.94000	4.94000	4.94000	
(Over) Under recovery per dk	<u>(\$17.56915)</u>	<u>\$13.37704</u>	<u>(\$17.56915)</u>	
dk billed	0	216	490	706
(Over) Under recovery	<u>\$0</u>	<u>\$2,889</u>	<u>(\$8,611)</u>	<u>(\$5,722)</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 2019</u>				
Cost of Gas - Actual	\$4.04774	(\$12.62915)	\$4.04774	
Cost of Gas - Recovered	4.94000	4.94000	4.94000	
(Over) Under recovery per dk	<u>(\$0.89226)</u>	<u>(\$17.56915)</u>	<u>(\$0.89226)</u>	
dk billed	0	196	612	808
(Over) Under recovery	<u>\$0</u>	<u>(\$3,446)</u>	<u>(\$547)</u>	<u>(\$3,993)</u>
<u>October 2019</u>				
Cost of Gas - Actual	\$6.34740	\$4.04774	\$6.34740	
Cost of Gas - Recovered	4.94000	4.94000	4.94000	
(Over) Under recovery per dk	<u>\$1.40740</u>	<u>(\$0.89226)</u>	<u>\$1.40740</u>	
dk billed	2,254	577	398	3,229
(Over) Under recovery	<u>\$3,173</u>	<u>(\$515)</u>	<u>\$560</u>	<u>\$3,218</u>
<u>November 2019</u>				
Cost of Gas - Actual	\$8.15145	\$6.34740	\$8.15145	
Cost of Gas - Recovered	8.23400	4.94000	4.94000	
(Over) Under recovery per dk	<u>(\$0.08255)</u>	<u>\$1.40740</u>	<u>\$3.21145</u>	
dk billed	3,616	1,739	(284)	5,071
(Over) Under recovery	<u>(\$299)</u>	<u>\$2,451</u>	<u>(\$912)</u>	<u>\$1,240</u>
<u>December 2019</u>				
Cost of Gas - Actual	\$8.60679	\$8.15145	\$8.60679	
Cost of Gas - Recovered	8.23400	8.23400	8.23400	
(Over) Under recovery per dk	<u>\$0.37279</u>	<u>(\$0.08255)</u>	<u>\$0.37279</u>	
dk billed	0	2,233	4,087	6,320
(Over) Under recovery	<u>\$0</u>	<u>(\$184)</u>	<u>\$1,522</u>	<u>\$1,338</u>
<u>January 2020</u>				
Cost of Gas - Actual	\$7.25117	\$8.60679	\$7.25117	
Cost of Gas - Recovered	9.88000	8.23400	8.23400	
(Over) Under recovery per dk	<u>(\$2.62883)</u>	<u>\$0.37279</u>	<u>(\$0.98283)</u>	
dk billed	5,502	2,575	67	8,144
(Over) Under recovery	<u>(\$14,464)</u>	<u>\$960</u>	<u>(\$66)</u>	<u>(\$13,570)</u>
<u>February 2020</u>				
Cost of Gas - Actual	\$7.62224	\$7.25117	\$7.62224	
Cost of Gas - Recovered	8.78300	9.88000	9.88000	
(Over) Under recovery per dk	<u>(\$1.16076)</u>	<u>(\$2.62883)</u>	<u>(\$2.25776)</u>	
dk billed	4,366	1,881	(100)	6,147
(Over) Under recovery	<u>(\$5,068)</u>	<u>(\$4,945)</u>	<u>\$228</u>	<u>(\$9,785)</u>

- 1/ Consumed in current month.
2/ Consumed in prior month.
3/ True-up of prior month volumes.