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May 29, 2020

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

Re: Cost of Gas Adjustment (COG)
June 2020
Case No. PU-20-010

Great Plains Natural Gas Co. (Great Plains), a Division of Montana-Dakota Utilities Co., herewith electronically submits a Cost of Gas Adjustment (COG) pursuant to North Dakota Century Code 49-05-05. In response to the COVID-19 pandemic, Great Plains has provided an electronic copy only to further reduce the potential spread of the virus.

Attachment A is the Rate Summary Sheet (168th Revised Sheet No. 1.1) showing the proposed natural gas rates and the June 2020 cost of gas. The net effect of this filing is a decrease of \$1.0662 per dk for residential and firm general customers and a decrease of \$0.4370 per dk for interruptible customers.

Attachment B shows the calculations supporting the gas costs for June 2020, including the calculation of the commodity cost of gas. The commodity cost of gas has decreased \$0.5524 per dk for firm general service customers and decreased \$0.2264 per dk for interruptible customers since the last COG filing. The change is due to a decrease in the commodity cost of gas of \$0.1051 per dk for all customers, as well as a decrease in demand costs of \$0.4473 per dk for firm general service customers and a decrease of \$0.1213 per dk for interruptible customers. The updated demand costs reflect the implementation of Northern Natural Gas Company's settlement rates on an interim basis.

Attachment C explains the reasons for the change in the market price of gas.

Attachment D shows the calculation of the calculation of the gas cost reconciliation (GCR) adjustment that will apply during the period of June 1, 2020 through May 31, 2021. The total GCR is (\$0.9881) per dk for residential and general service customers and (\$0.1872) per dk for interruptible customers. The effect of this change is a

decrease of \$0.5138 for residential and general service customers and a decrease of \$0.2106 per dk for interruptible customers.

Great Plains submitted a check for \$600.00 on March 19, 2020 pursuant to the requirements of Section 49-05-05 of the North Dakota Century Code. This payment covers the \$50.00 filing fee associated with the monthly COG filings.

Great Plains 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 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

Attachments

Attachment A

Attachment A



GREAT PLAINS NATURAL GAS CO.
A Division of Montana-Dakota Utilities Co.

**State of North Dakota
 Gas Rate Schedule**

NDPSC Volume 2

168th Revised Sheet No. 1.1

RATE SUMMARY SHEET

Canceling 167th Revised Sheet No.1.1

Page 1 of 1

Rate Schedule	Sheet No.	Basic Service Charge	Distribution Delivery Charge	COG Items	Total Rate/dk
Firm Gas Service - General Rate 65	2	\$3.50 per month	First 10 dk \$1.0720 Over 10 dk 0.8220	\$2.3219	\$3.3939 3.1439
Interruptible Gas Service - General Rate 71	3	\$3.50 per month	(Maximum) First 400 dk \$1.0160 Next 2,600 dk 0.7675 Over 3,000 dk 0.6140	\$2.0610	(Maximum) \$3.0770 2.8285 2.6750
Transportation Service Rate 80	5	\$3.50 per month	(Maximum) First 400 dk \$1.0160 Next 2,600 dk 0.7675 Over 3,000 dk 0.6140		(Maximum) \$1.0160 0.7675 0.6140

Date Filed: May 29, 2020

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

Issued By: Travis R. Jacobson
 Director - Regulatory Affairs

Case No.: PU-20-010

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
PURCHASED GAS COST ADJUSTMENT
JUNE 2020**

Attachment B
Page 1 of 9

	Billing Determinants	Rate 1/ Rate	Demand Months	Amount	Amount Per Dk
<u>Viking Firm</u>					
FT-A - Zone 1-1 (Cat. 3)	8,000	\$3.8060	12	\$365,376	\$0.1150
FT-A - Zone 1-1 (Cat. 1)	5,000	3.8060	12	228,360	0.0719
FT-A Seasonal (Cat. 3)	2,000	3.8060	5	38,060	0.0120
FT-A - Zone 1-1 (Cat. 3)	5,000	3.8060	12	228,360	0.0719
FT-A - Capacity Release	(2,200)	4.7507	5	(52,258)	(0.0165)
 <u>Northern Natural Firm</u>					
TFX - Winter/Seasonal	15,000	19.4710	5	1,460,325	\$0.4598
TFX - Summer	13,000	7.3030	7	664,573	0.2093
TF12 Base - Summer	3,921	7.3030	7	200,445	0.0631
TF12 Base - Winter	3,921	13.1450	5	257,708	0.0811
TF12 Variable - Summer	3,614	7.3030	7	184,751	0.0582
TF12 Variable - Winter	3,614	17.8180	5	321,971	0.1014
TF5	3,410	19.4710	5	331,981	0.1045
TFX - Summer	2,000	7.3030	7	102,242	0.0322
TFX - Winter	7,200	19.4710	5	700,956	0.2207
TFX Negotiated Contract - Winter	1,000	26.8918	5	134,459	0.0423
FDD-1 Reservation	4,640	2.8624	12	159,378	0.0502
Interruptible Demand Credit 4/				(699,566)	(0.2203)
Total Demand Charges				\$4,627,121	\$1.4568
Estimated Weighted Average Commodity Cost	3,175,968 2/	1.8532		5,885,704	1.8532
Gas Cost Reconciliation Adjustment					(0.9881)
Total Current Firm Gas Cost				\$10,512,825	\$2.3219
Base Cost of Gas					5.2370
Accumulated Adjustment					(\$2.9151)
 <u>Interruptible</u>					
Demand Charge 3/					\$0.3950
Estimated Weighted Average Commodity Cost					1.8532
Gas Cost Reconciliation Adjustment					(0.1872)
Total Current Interruptible Gas Cost					\$2.0610
Base Cost of Gas					5.1708
Accumulated Adjustment					(\$3.1098)
 1/ Effective June 1, 2020					
2/ Annual demand volume including Minnesota.					
3/ Interruptible demand charge based on 100% load factor:					
Firm Capacity (Per MN DEQ filing: Docket No. G004/M-18-454)		36,945			
Dk @ 100% Load Factor (Firm capacity x 365 days)		13,484,925			
Total Demand Charges (Excl. Interruptible Demand Credit)		5,326,687			
Interruptible Demand Charge per dk @ 100% LF		\$0.3950			
 4/ Interruptible Demand Credit:					
Interruptible Demand Charge per dk @ 100% LF		\$0.3950			
Total annual interruptible volumes		1,771,053			
Total Interruptible Demand Credit		(\$699,566)			
Total annual firm volumes		3,175,968			
Interruptible Demand Credit per dk - Firm		(\$0.2203)			

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
ESTIMATED GAS COSTS
JUNE 2020**

<u>Estimated Cost Per Dk</u>	<u>Total System Supply</u>	<u>Cost per Dk</u>	<u>FDD-1 Storage</u>	<u>FDD-1 Capacity</u>	<u>SMS 1/</u>	<u>Viking Transport</u>
Commodity Cost of Gas		\$1.7496	\$1.7936			
Transportation - Northern Natural		0.0178	\$0.0178		\$0.0208	
Transportation - Viking						0.0149
Withdrawal Fee			0.0197			
Fuel Transportation - Northern Natural 2/		0.0123				
Fuel Transportation - Viking 2/						0.0000
SMS Demand 3/		0.0208	0.0208			
LMS Demand 3/		0.0065	0.0065			
FDD-1 Capacity 4/				\$0.0344		
Total Cost Per Dk		\$1.8070	\$1.8584	\$0.0344	\$0.0208	\$0.0149
Total Estimated Dk Purchases 5/	162,810	162,810	0			115,500
Estimated Cost	\$301,718	\$294,198	\$0	\$5,601	\$198	\$1,721
Average Cost Per Dk		<u><u>\$1.8532</u></u>				

1/ Monthly requirement of 9,500 Dk.

2/ Transportation Fuel Percentage of Field Area and Other Market Area	<u>NNG</u>	<u>Viking</u>
	0.00%	0.00%
	0.70%	0.00%
Total	0.70%	0.00%

3/ Amount divided by the annual demand volume pursuant to Minnesota Rule 7825.2700 Subpart 5.

	<u>Billing Determinants</u>	<u>Rate</u>	<u>Demand Months</u>	<u>Amount</u>	<u>Amount Per Dk</u>
SMS Demand	2,500	\$3.2110	12	\$96,330	\$0.0208
LMS Demand	2,500	\$1.0000	12	\$30,000	\$0.0065

4/ Amount divided by the annual demand volume pursuant to Minnesota Rule 7825.2700 Subpart 5.

	<u>Billing Determinants</u>	<u>Rate</u>	<u>Demand Months</u>	<u>Amount</u>	<u>Amount Per Dk</u>
FDD-1 Demand Charge (Capacity Charge)	53,509	\$0.5957	5	\$159,377	\$0.0344

RATE SCHEDULE TF

RESERVATION RATES	MARKET-TO-MARKET		FIELD-TO-FIELD/MARKET DEMARCATION
	TF12 Base	TF12 Variable	TF5
	TF12		TFF
Base Tariff Rates 1/			
Summer (Apr-Oct)	7.303	7.303	-0-
Winter (Nov-Mar)	13.145	17.818	19.471
			6.212
			11.183

COMMODITY RATES 2/		Market Area 3/ 6/		Field Mileage 5/		Carlton		Out-of Balance 3/	
TF12 Base, TF12 Var., TF5 & TFF		Maximum	Minimum	Rate per 100 miles	Minimum	Surcharge 4/	Minimum	Maximum	Minimum
Receipt Point	Delivery Point			Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Market	Market	0.0165	0.0165			0.0175	0.0000	0.0165	0.0165
Field	Market	0.0165	0.0165	0.0078	0.0078	0.0175	0.0000		
Market	Field			0.0078	0.0078				
Field	Field			0.0078	0.0078			0.0188	0.0188

- 1/ The minimum reservation rate is equal to zero.
- 2/ The applicable Mileage Indicator Districts (MIDs) billing rate will be added to the TF rates for volumes received in the Field Area, or received in the Market Area and delivered to the Field Area. The MIDs rates shown in Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs. The firm transportation services commodity rates are not discountable.
- 3/ In addition, Shipper shall pay the applicable Electric Compression commodity rate as shown in Sheet No. 54 and ACA unit surcharge as posted on FERC's website at <http://www.ferc.gov>.
- 4/ Applicable to Market Area shippers as provided for in the Carlton Settlement filed in Docket No. RP96-347 dated October 28, 1996.
- 5/ Where applicable, the Field Area Electric Compression commodity rate as shown in Sheet No. 54 and the ACA unit surcharge as set forth on FERC's website at <http://www.ferc.gov> will be added to the mileage based rates.
- 6/ There will be no commodity charge for transportation from the Ventura pooling point (POI 78623) to the NBPL/NNG Ventura point (POI 192) and from the Ventura pooling point (POI 78623) to the MID 17 pooling point (POI 71458). In addition, there will be no commodity charge for transportation as set forth in Sheet Nos. 141, 142C and 147.

RATE SCHEDULE TFX

RESERVATION RATES	MARKET-TO-MARKET		FIELD-TO-FIELD	
	Apr-Oct	Nov-Mar	Apr-Oct	Nov-Mar
Base Tariff Rates 1/	<u>\$7.303</u>	<u>\$19.471</u>	<u>\$6.212</u>	<u>\$11.183</u>

COMMODITY RATES 2/ TFX		Market Area 3/ 6/		Field Mileage 5/ Rate per 100 miles		Carlton Surcharge 4/		Out-of-Balance 3/	
Receipt Point	Delivery Point	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Market	Market	0.0165	0.0165			0.0175	0.0000	0.0165	0.0165
Field	Market	0.0165	0.0165	0.0078	0.0078	0.0175	0.0000		
Market	Field			0.0078	0.0078				
Field	Field			0.0078	0.0078			0.0188	0.0188

- 1/ The minimum reservation rate is equal to zero.
- 2/ The applicable Mileage Indicator Districts (MIDs) billing rate will be added to the TF rates for volumes received in the Field Area, or received in the Market Area and delivered to the Field Area. The MIDs rates shown in Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs. The firm transportation services commodity rates are not discountable.
- 3/ In addition, Shipper shall pay the applicable Electric Compression commodity rate as shown in Sheet No. 54 and ACA unit surcharge as posted on FERC's website at <http://www.ferc.gov>.
- 4/ Applicable to Market Area shippers as provided for in the Carlton Settlement filed in Docket No. RP96-347 dated October 28, 1996.
- 5/ Where applicable, the Field Area Electric Compression commodity rate as shown in Sheet No. 54 and the ACA unit surcharge as set forth on FERC's website at <http://www.ferc.gov> will be added to the mileage based rates.
- 6/ There will be no commodity charge for transportation from the Ventura pooling point (POI 78623) to the NBPL/NNG Ventura point (POI 192) and from the Ventura pooling point (POI 78623) to the MID 17 pooling point (POI 71458). In addition, there will be no commodity charge for transportation as set forth in Sheet Nos. 141, 142C and 147.

RATE SCHEDULES TF, TFX, GST, TI, & FDD

Fuel Percentages/Electric Compression Rates

	<u>Percentages</u>
FUEL PERCENTAGES:	1/ 7/
Market Area (including Out-of-Balance)	0.57%
Field Area	2/ 3/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	0.13% 4/ 5/ 7/
FDD STORAGE FUEL	1.14%

	<u>Electric Compression</u>
COMMODITY RATES:	1/ 7/
Market Area	\$0.0007
Field Area	\$0.0000

1/ Northern will adjust its Fuel and UAF percentages and electric compression commodity rates in accordance with Sections 53A and 53B, respectively, of the General Terms and Conditions of this Tariff.

2/ Fuel shall be determined by Mileage Indicator Districts (MIDS) for the Field Area.

3/ Fuel charged in the Field and Market Areas for a pooling transaction or for processing plant transactions will not exceed the fuel charged on a unified Field-to-Market transaction having the same initial Field receipt point and ultimate Market delivery point, i.e., the total fuel collected for transactions that go into and out of pooling points or processing plants in either the Field Area or the Market Area will be no greater than the fuel collected on the total path between the original receipt point and the ultimate delivery point, subject to the shipper(s) providing Northern the requisite information.

4/ The Unaccounted For percentage utilizes the most recent twelve-month period ending December 31, 2018. For deliveries subject only to UAF, if the above UAF rate is negative, the UAF rate is zero; provided, however Northern will issue a volume credit on the Shipper's monthly imbalance statement equivalent to the negative UAF percentage for such deliveries during the period in which the UAF rate is less than zero.

5/ Sheet No. 54A identifies the specific transportation transactions exempt from Fuel and UAF retention charges.

6/ The Out-of-Balance Fuel Percentage for deliveries in MIDS 1-7 shall be the applicable Section 1 Transportation Fuel percentage, and for deliveries in MIDS 8-16B shall be the applicable Section 2 Transportation Fuel percentage.

7/ There will be no Fuel, electric compression or UAF charges for transportation from the Ventura pooling point (POI 78623) to the NBPL/NNG Ventura point (POI 192) and from the Ventura pooling point (POI 78623) to the MID 17 pooling point (POI 71458). In addition, there will be no fuel, electric compression or UAF charges for transportation as set forth in Sheet Nos. 141,142C and 147.

In the event facilities have been abandoned, Northern shall have the right to file to reduce the applicable MID fuel percentage(s) on a common basis for all transactions affected by the abandonment to reflect the reduction in use for the remainder of the PRA period. In the event such abandoned facilities (gas compressors) have been replaced with electric compressors installed after October 1, 1998, and Northern reduces the applicable MID fuel percentages, Northern has the right to file to increase the applicable electric compression commodity rate.

RATE SCHEDULES FDD, PDD, IDD, ILD & SMS

Rate Schedule FDD

Maximum Reservation Charge	2.8624	1/
Maximum Capacity Charge	0.5957	1/
Injection Charge - Firm	0.0197	
Withdrawal Charge - Firm	0.0197	
Annual Rollover Charge	0.5957	1/

Rate Schedule PDD

Maximum Capacity Charge	0.5957	1/
Maximum Monthly Inventory Charge	0.1552	1/
Injection Charge	0.0197	
Withdrawal Charge	0.0197	
Annual Rollover Charge	0.5957	1/

Rate Schedule IDD

Maximum Monthly Inventory Charge	0.1552	1/
Injection Charge	0.0197	
Withdrawal Charge	0.0197	
Annual Rollover Charge	0.5957	1/

Rate Schedule ILD

Maximum Charge	11.7500	
Minimum Charge	0.5044	
Performance Obligation Charge	2.0000	

Rate Schedule SMS

Reservation Charge	3.2110	
Commodity Rate	0.0208	

1/ Minimum Rate is zero.

STATEMENT OF RATES
 (Rates Per Dekatherm)

Currently Effective Term-Differentiated Rates

Rate Schedule	Base Tariff Rate
Category 1 (Contract Term of Less than 3 Years)	
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
Category 2 (Contract Term of 3 Years to less than 5 Years)	
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
Category 3 (Contract Term of 5 or more Years)	
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	0.00%
Zone 1-2	\$0.0136	0.00%
Zone 2-2	\$0.0136	0.00%
Minimum Rate	\$0.0136	
IT and AOT		
Zone 1-1	\$0.1422	0.00%
Zone 1-2	\$0.1750	0.00%
Zone 2-2	\$0.0995	0.00%
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		\$0.0350	

- 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

**Great Plains Natural Gas Co.
Market Conditions for Wahpeton's Natural Gas
June 2020**

The principal gas sources of natural gas for Wahpeton, North Dakota are from the mid-continent area of the United States. The pricing for the majority of this gas is the Northern Natural Gas Co. Ventura, Iowa point which is an actively traded market point in North America. The NNG-Ventura Index is based on negotiated trades during the last five business days of the month, commonly known as bid week, and reported by Platt's Inside FERC's Gas Market Report published at the beginning of each month.

This month's monthly price for the NNG-Ventura Index is expected to decrease from the previous month's index of \$1.73/MMBTU. The EIA reported nationwide storage levels as of May 15, 2020 at 19.4 percent above the five-year average and 45.2 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>.

**GREAT PLAINS NATURAL GAS CO.
GAS COST RECONCILIATION ADJUSTMENT
APPLICABLE TO NORTH DAKOTA
FIRM
TO BE EFFECTIVE JUNE 1, 2020 THROUGH MAY 31, 2021**

(Over)/under recovered gas costs @ April 30, 2020: (\$299,096)

Less projected recovery from rates already established:

	Volume	Rate	Amount
May	8,300	(\$0.4743)	(\$3,937)

Additional recovery required (\$295,159)

Projected sales volumes (dk)

June 2020	4,900		
July	5,200		
August	5,200		
September	6,800		
October	19,900		
November	35,300		
December	50,800		
January 2021	56,100		
February	46,900		
March	37,700		
April	21,500		
May	8,400		
Total			<u>298,700</u>

Total gas cost reconciliation adjustment
to be effective June 1, 2020 through May 31, 2021. (\$0.9881)

Change in Surcharge (\$0.5138)

**GREAT PLAINS NATURAL GAS CO.
GAS COST RECONCILIATION ADJUSTMENT
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE
TO BE EFFECTIVE JUNE 1, 2020 THROUGH MAY 31, 2021**

(Over)/under recovered gas costs @ April 30, 2020: (\$139,668)

Less projected recovery from rates already established:

	<u>Volume</u>	<u>Rate</u>	<u>Amount</u>
May	61,500	\$0.0234	\$1,439

Additional recovery required (\$141,107)

Projected sales volumes (dk)

June 2020	42,600	
July	53,700	
August	42,100	
September	26,500	
October	50,700	
November	73,300	
December	86,600	
January 2021	89,400	
February	79,400	
March	78,200	
April	69,800	
May	61,500	
Total		<u>753,800</u>

Total gas cost reconciliation adjustment
to be effective June 1, 2020 through May 31, 2021. (\$0.1872)

Change in Surcharge (\$0.2106)

**GREAT PLAINS NATURAL GAS CO.
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ACCOUNT BALANCE
APPLICABLE TO NORTH DAKOTA
FIRM**

	(Over) Under Recovery	Refunds & Other	Interest 1/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change	Cumulative Balance
Balance @ April 30, 2019									(\$139,186)
May 2019	(\$28,429)		(\$242)	(\$28,671)	20,067	\$0.5636	\$11,310	(\$39,981)	(179,167)
June	(17,686)		(347)	(18,033)	10,258	(0.4743)	3,115 2/	(21,148)	(200,315)
July	4,576		(372)	4,204	6,449	(0.4743)	(3,059)	7,263	(193,052)
August	10,968		(333)	10,635	5,687	(0.4743)	(2,697)	13,332	(179,720)
September	2,291		(301)	1,990	5,658	(0.4743)	(2,684)	4,674	(175,046)
October	(13,049)		(255)	(13,304)	11,557	(0.4743)	(5,481)	(7,823)	(182,869)
November	(22,746)		(249)	(22,995)	25,160	(0.4743)	(11,933)	(11,062)	(193,931)
December	(5,922)		(263)	(6,185)	39,198	(0.4743)	(18,592)	12,407	(181,524)
January 2020	(63,738)		(243)	(63,981)	55,060	(0.4743)	(26,115)	(37,866)	(219,390)
February	(66,008)		(289)	(66,297)	47,968	(0.4743)	(22,751)	(43,546)	(262,936)
March	(50,740)		(66)	(50,806)	45,471	(0.4743)	(21,567)	(29,239)	(292,175)
April	(23,021)		(35)	(23,056)	34,018	(0.4743)	(16,135)	(6,921)	(299,096)
Total	(\$273,504)	\$0	(\$2,995)	(\$276,499)	306,551		(\$116,589)	(\$159,910)	(\$299,096)

Balance @ April 30, 2020

1/ Interest calculated at the 3 Month Treasury Bill Rate.
2/ Reflects 7,689.1 dk @ \$0.5636 and 2,568.2 dk @ (\$0.4743)

**GREAT PLAINS NATURAL GAS 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	Cumulative Balance
Balance @ April 30, 2019									\$30,684
May 2019	(\$23,424)		(\$21)	(\$23,445)	73,230	\$0.1921	\$14,067	(\$37,512)	(6,828)
June	(13,461)		(29)	(13,490)	53,440	0.0234	8,745	(22,235)	(29,063)
July	(16,600)		(67)	(16,667)	54,088	0.0234	1,266	(17,933)	(46,996)
August	(2,027)		(91)	(2,118)	29,089	0.0234	681	(2,799)	(49,795)
September	(22,183)		(93)	(22,276)	38,191	0.0234	894	(23,170)	(72,965)
October	(7,473)		(113)	(7,586)	61,743	0.0234	1,445	(9,031)	(81,996)
November	(4,447)		(116)	(4,563)	64,840	0.0234	1,517	(6,080)	(88,076)
December	14,013		(124)	13,889	83,625	0.0234	1,957	11,932	(76,144)
January 2020	(10,867)		(107)	(10,974)	102,242	0.0234	2,392	(13,366)	(89,510)
February	(11,265)		(124)	(11,389)	82,841	0.0234	1,938	(13,327)	(102,837)
March	(27,971)		(27)	(27,998)	83,370	0.0234	1,951	(29,949)	(132,786)
April	(5,290)		(16)	(5,306)	67,355	0.0234	1,576	(6,882)	(139,668)
Total	(\$130,995)	\$0	(\$928)	(\$131,923)	794,054		\$38,429	(\$170,352)	
Balance @ April 30, 2020									(\$139,668)

1/ Interest calculated at the 3 Month Treasury Bill Rate.

2/ Reflects 44,427.8 dk @ \$0.1921 and 9,011.7 dk @ \$0.0234

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
FIRM**

	1/	2/	3/	Total
<u>May 2019</u>				
Cost of Gas - Actual	\$1.48480	\$2.62990	\$1.48480	
Cost of Gas - Recovered	3.87710	4.19420	4.19420	
(Over) Under recovery per dk	(\$2.39230)	(\$1.56430)	(\$2.70940)	
dk billed	5,724	20,930	(6,587)	20,067
(Over) Under recovery	(\$13,693)	(\$32,741)	\$18,005 5/	(\$28,429)
<u>June 2019</u>				
Cost of Gas - Actual	\$3.97550	\$1.48480	\$3.97550	
Cost of Gas - Recovered	3.11940	3.87710	3.87710	
(Over) Under recovery per dk	\$0.85610	(\$2.39230)	\$0.09840	
dk billed	2,568	8,288	(598)	10,258
(Over) Under recovery	\$2,199	(\$19,826)	(\$59)	(\$17,686)
<u>July 2019</u>				
Cost of Gas - Actual	\$1.79680	\$3.97550	\$1.79680	
Cost of Gas - Recovered	2.72970	3.11940	3.11940	
(Over) Under recovery per dk	(\$0.93290)	\$0.85610	(\$1.32260)	
dk billed	2,297	5,605	(1,453)	6,449
(Over) Under recovery	(\$2,143)	\$4,798	\$1,921	\$4,576
<u>August 2019</u>				
Cost of Gas - Actual	\$6.17170	\$1.79680	\$6.17170	
Cost of Gas - Recovered	3.41180	2.72970	2.72970	
(Over) Under recovery per dk	\$2.75990	(\$0.93290)	\$3.44200	
dk billed	2,081	1,643	1,963	5,687
(Over) Under recovery	\$5,744	(\$1,533)	\$6,757	\$10,968
<u>September 2019</u>				
Cost of Gas - Actual	\$2.99550	\$6.17170	\$2.99550	
Cost of Gas - Recovered	3.41180	3.41180	3.41180	
(Over) Under recovery per dk	(\$0.41630)	\$2.75990	(\$0.41630)	
dk billed	0	5,277 4/	381	5,658
(Over) Under recovery	\$0	\$2,450	(\$159)	\$2,291
<u>October 2019</u>				
Cost of Gas - Actual	\$1.36180	\$2.99550	\$1.36180	
Cost of Gas - Recovered	3.41180	3.41180	3.41180	
(Over) Under recovery per dk	(\$2.05000)	(\$0.41630)	(\$2.05000)	
dk billed	0	6,515	5,042	11,557
(Over) Under recovery	\$0	(\$2,712)	(\$10,337)	(\$13,049)

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
FIRM**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>November 2019</u>				
Cost of Gas - Actual	\$3.61300	\$1.36180	\$3.61300	
Cost of Gas - Recovered	<u>3.70500</u>	<u>3.41180</u>	<u>3.41180</u>	
(Over) Under recovery per dk	(\$0.09200)	(\$2.05000)	\$0.20120	
dk billed	9,229	11,151	4,780	25,160
(Over) Under recovery	<u>(\$849)</u>	<u>(\$22,859)</u>	<u>\$962</u>	<u>(\$22,746)</u>
<u>December 2019</u>				
Cost of Gas - Actual	\$3.03770	\$3.61300	\$3.03770	
Cost of Gas - Recovered	<u>4.08210</u>	<u>3.70500</u>	<u>3.70500</u>	
(Over) Under recovery per dk	(\$1.04440)	(\$0.09200)	(\$0.66730)	
dk billed	12,597	43,430	(16,829)	39,198
(Over) Under recovery	<u>(\$13,156)</u>	<u>(\$3,996)</u>	<u>\$11,230</u>	<u>(\$5,922)</u>
<u>January 2020</u>				
Cost of Gas - Actual	\$3.11720	\$3.03770	\$3.11720	
Cost of Gas - Recovered	<u>4.49270</u>	<u>4.08210</u>	<u>4.08210</u>	
(Over) Under recovery per dk	(\$1.37550)	(\$1.04440)	(\$0.96490)	
dk billed	18,621	37,292	(853)	55,060
(Over) Under recovery	<u>(\$25,613)</u>	<u>(\$38,948)</u>	<u>\$823</u>	<u>(\$63,738)</u>
<u>February 2020</u>				
Cost of Gas - Actual	\$3.11510	\$3.11720	\$3.11510	
Cost of Gas - Recovered	<u>4.49270</u>	<u>4.49270</u>	<u>4.49270</u>	
(Over) Under recovery per dk	(\$1.37760)	(\$1.37550)	(\$1.37760)	
dk billed	0	34,999	12,969	47,968
(Over) Under recovery	<u>\$0</u>	<u>(\$48,142)</u>	<u>(\$17,866)</u>	<u>(\$66,008)</u>
<u>March 2020</u>				
Cost of Gas - Actual	\$3.61000	\$3.11510	\$3.61000	
Cost of Gas - Recovered	<u>3.95660</u>	<u>4.49270</u>	<u>4.49270</u>	
(Over) Under recovery per dk	(\$0.34660)	(\$1.37760)	(\$0.88270)	
dk billed	13,728	36,294	(4,551)	45,471
(Over) Under recovery	<u>(\$4,758)</u>	<u>(\$49,999)</u>	<u>\$4,017</u>	<u>(\$50,740)</u>
<u>April 2020</u>				
Cost of Gas - Actual	\$1.87920	\$3.61000	\$1.87920	
Cost of Gas - Recovered	<u>3.48060</u>	<u>3.95660</u>	<u>3.95660</u>	
(Over) Under recovery per dk	(\$1.60140)	(\$0.34660)	(\$2.07740)	
dk billed	10,421	24,663	(1,066)	34,018
(Over) Under recovery	<u>(\$16,688)</u>	<u>(\$8,548)</u>	<u>\$2,215</u>	<u>(\$23,021)</u>

- 1/ Consumed in current month (current month billed @ current month rate).
- 2/ Consumed in prior month (prior month unbilled billed @ prior month rate).
- 3/ True-up of prior month volumes (current month billed @ prior month rate).
- 4/ Includes annual volume true-up.
- 5/ Includes previous period billing true-up.

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>May 2019</u>				
Cost of Gas - Actual	\$2.50160	\$2.88280	\$2.50160	
Cost of Gas - Recovered	2.76460	3.07290	3.07290	
(Over) Under recovery per dk	<u>(\$0.26300)</u>	<u>(\$0.19010)</u>	<u>(\$0.57130)</u>	
dk billed	14,476	45,027	13,727	73,230
(Over) Under recovery	<u>(\$3,807)</u>	<u>(\$8,560)</u>	<u>(\$11,057) 5/</u>	<u>(\$23,424)</u>
<u>June 2019</u>				
Cost of Gas - Actual	\$2.57290	\$2.50160	\$2.57290	
Cost of Gas - Recovered	2.88230	2.76460	2.76460	
(Over) Under recovery per dk	<u>(\$0.30940)</u>	<u>(\$0.26300)</u>	<u>(\$0.19170)</u>	
dk billed	9,012	30,244	14,184	53,440
(Over) Under recovery	<u>(\$2,788)</u>	<u>(\$7,954)</u>	<u>(\$2,719)</u>	<u>(\$13,461)</u>
<u>July 2019</u>				
Cost of Gas - Actual	\$2.36760	\$2.57290	\$2.36760	
Cost of Gas - Recovered	2.49260	2.88230	2.88230	
(Over) Under recovery per dk	<u>(\$0.12500)</u>	<u>(\$0.30940)</u>	<u>(\$0.51470)</u>	
dk billed	13,457	29,200	11,431	54,088
(Over) Under recovery	<u>(\$1,682)</u>	<u>(\$9,034)</u>	<u>(\$5,884)</u>	<u>(\$16,600)</u>
<u>August 2019</u>				
Cost of Gas - Actual	\$2.47440	\$2.36760	\$2.47440	
Cost of Gas - Recovered	2.49620	2.49260	2.49260	
(Over) Under recovery per dk	<u>(\$0.02180)</u>	<u>(\$0.12500)</u>	<u>(\$0.01820)</u>	
dk billed	7,213	13,779	8,097	29,089
(Over) Under recovery	<u>(\$157)</u>	<u>(\$1,723)</u>	<u>(\$147)</u>	<u>(\$2,027)</u>
<u>September 2019</u>				
Cost of Gas - Actual	\$2.35700	\$2.47440	\$2.35700	
Cost of Gas - Recovered	2.49620	2.49620	2.49620	
(Over) Under recovery per dk	<u>(\$0.13920)</u>	<u>(\$0.02180)</u>	<u>(\$0.13920)</u>	
dk billed	0	26,992 4/	11,199	38,191
(Over) Under recovery	<u>\$0</u>	<u>(\$20,624)</u>	<u>(\$1,559)</u>	<u>(\$22,183)</u>
<u>October 2019</u>				
Cost of Gas - Actual	\$2.42010	\$2.35700	\$2.42010	
Cost of Gas - Recovered	2.49620	2.49620	2.49620	
(Over) Under recovery per dk	<u>(\$0.07610)</u>	<u>(\$0.13920)</u>	<u>(\$0.07610)</u>	
dk billed	0	43,973	17,770	61,743
(Over) Under recovery	<u>\$0</u>	<u>(\$6,121)</u>	<u>(\$1,352)</u>	<u>(\$7,473)</u>

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>November 2019</u>				
Cost of Gas - Actual	\$2.97660	\$2.42010	\$2.97660	
Cost of Gas - Recovered	2.76790	2.49620	2.49620	
(Over) Under recovery per dk	<u>\$0.20870</u>	<u>(\$0.07610)</u>	<u>\$0.48040</u>	
dk billed	9,003	59,569	(3,732)	64,840
(Over) Under recovery	<u>\$1,879</u>	<u>(\$4,533)</u>	<u>(\$1,793)</u>	<u>(\$4,447)</u>
<u>December 2019</u>				
Cost of Gas - Actual	\$3.01420	\$2.97660	\$3.01420	
Cost of Gas - Recovered	3.13110	2.76790	2.76790	
(Over) Under recovery per dk	<u>(\$0.11690)</u>	<u>\$0.20870</u>	<u>\$0.24630</u>	
dk billed	12,578	53,594	17,453	83,625
(Over) Under recovery	<u>(\$1,470)</u>	<u>\$11,184</u>	<u>\$4,299</u>	<u>\$14,013</u>
<u>January 2020</u>				
Cost of Gas - Actual	\$3.00380	\$3.01420	\$3.00380	
Cost of Gas - Recovered	3.06760	3.13110	3.13110	
(Over) Under recovery per dk	<u>(\$0.06380)</u>	<u>(\$0.11690)</u>	<u>(\$0.12730)</u>	
dk billed	20,808	79,557	1,877	102,242
(Over) Under recovery	<u>(\$1,328)</u>	<u>(\$9,300)</u>	<u>(\$239)</u>	<u>(\$10,867)</u>
<u>February 2020</u>				
Cost of Gas - Actual	\$2.66880	\$3.00380	\$2.66880	
Cost of Gas - Recovered	3.06760	3.06760	3.06760	
(Over) Under recovery per dk	<u>(\$0.39880)</u>	<u>(\$0.06380)</u>	<u>(\$0.39880)</u>	
dk billed	0	64,991	17,850	82,841
(Over) Under recovery	<u>\$0</u>	<u>(\$4,146)</u>	<u>(\$7,119)</u>	<u>(\$11,265)</u>
<u>March 2020</u>				
Cost of Gas - Actual	\$2.56290	\$2.66880	\$2.56290	
Cost of Gas - Recovered	2.56880	3.06760	3.06760	
(Over) Under recovery per dk	<u>(\$0.00590)</u>	<u>(\$0.39880)</u>	<u>(\$0.50470)</u>	
dk billed	14,973	62,680	5,717	83,370
(Over) Under recovery	<u>(\$88)</u>	<u>(\$24,998)</u>	<u>(\$2,885)</u>	<u>(\$27,971)</u>
<u>April 2020</u>				
Cost of Gas - Actual	\$2.07050	\$2.56290	\$2.07050	
Cost of Gas - Recovered	2.09280	2.56880	2.56880	
(Over) Under recovery per dk	<u>(\$0.02230)</u>	<u>(\$0.00590)</u>	<u>(\$0.49830)</u>	
dk billed	12,620	45,219	9,516	67,355
(Over) Under recovery	<u>(\$281)</u>	<u>(\$267)</u>	<u>(\$4,742)</u>	<u>(\$5,290)</u>

- 1/ Consumed in current month (current month billed @ current month rate).
- 2/ Consumed in prior month (prior month unbilled billed @ prior month rate).
- 3/ True-up of prior month volumes (current month billed @ prior month rate).
- 4/ Includes annual volume true-up.
- 5/ Includes previous period billing true-up.