

705 West Fir Ave.

Mailing Address:

P.O. Box 176

Fergus Falls, MN 56538-0176

1-877-267-4764

September 27, 2019

Daniel P. Wolf  
Executive Secretary  
Minnesota Public Utilities Commission  
121 Seventh Place East, Suite 350  
St. Paul, MN 55101-2147

Re: Miscellaneous Tariff Change  
Base Cost of Gas  
Docket No. G004/MR-19-512

Dear Mr. Wolf:

Great Plains Natural Gas Co. (Great Plains), a Division of Montana-Dakota Utilities Co., herewith submits its miscellaneous tariff change requesting approval to implement a new base cost of gas, pursuant to Minnesota Rule 7825.2700, subpart 2.

Great Plains is filing a general gas rate case concurrently with this filing and is hereby requesting a new base cost of gas to be implemented at the time interim rates take effect in the general rate case, Docket No. G004/GR-19-511. The new base cost of gas calculation is based on the projected 2020 annual gas commodity costs, transportation and storage capacity included in Great Plains' Demand Entitlement filing in Docket No. G004/M-18-454, gas pipeline rates as of August 1, 2019, and projected volumes included in the general rate case filing.

Submitted with this filing are the following:

Attachment A – Summary of the filing in accordance with Minnesota Rules 7829.1300 Subpart 1

Attachment B – Proposed Base Cost of Gas Calculation Tariff proposed to be effective January 1, 2020

Attachment C – Workpapers supporting Attachment B

Attachment D – Pipeline tariff sheets used in calculation of proposed base cost of gas

Attachment E – Reconciliation and effects of the Base Cost of Gas Filing to the Rate Case

Great Plains will submit revised tariff sheets with its compliance filing upon implementation of the final rates.

If you have any questions regarding this filing, please contact me, at (701) 222-7856, or Brian M. Meloy, at (612) 335-1451.

Great Plains respectfully requests this filing be accepted as being in full compliance with the filing requirements of this Commission.

Sincerely,

*/s/ Tamie A. Aberle*

Tamie A. Aberle  
Director of Regulatory Affairs

STATE OF MINNESOTA  
BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

Great Plains Natural Gas Co., a )  
Division of Montana-Dakota Utilities )  
Co., Request to Implement a New ) Docket No. G004/MR-19-512  
Base Cost of Gas )

**SUMMARY OF FILING**

Great Plains Natural Gas Co. (Great Plains), a Division of Montana-Dakota Utilities Co., submits this miscellaneous tariff change request to establish a new base cost of to be implemented at the time interim rates take effect in Docket No. G004/GR-19-511. The new base cost of gas calculation is based on the projected 2020 annual gas commodity costs, transportation and storage capacity quantities included in Great Plains' Demand Entitlement filing in Docket No. G004/M-18-454, gas pipeline rates as of August 1, 2019, and projected volumes included in the general rate case filing. Great Plains proposes the new case cost of gas tariff sheet to be effective with interim rates proposed in Docket No. G004/GR-19-511.

# **Attachment B**



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

**State of Minnesota  
 Gas Rate Schedule - MNPUC Volume 2**

Section No. 5  
 186<sup>th</sup> Revised Sheet No. 5-66  
 Canceling 185<sup>th</sup> Revised Sheet No. 5-66

**PURCHASED GAS COST ADJUSTMENT**

	Firm				Interruptible			
	Est. Wtd. Demand Costs	Average Commodity	GCR Adj.	Est. Wtd. Total Firm	Est. Wtd. Demand Costs	Average Commodity	GCR Adj.	Est. Wtd. Total Large Int.
Base Rate	\$1.2178	\$2.6354	\$0.0000	\$3.8532	\$0.3453	\$2.6354	\$0.0000	\$2.9807
Accum. Adj.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Current Adj.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Adj.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	\$1.2178	\$2.6354	\$0.0000	\$3.8532	\$0.3453	\$2.6354	\$0.0000	\$2.9807

**Date Filed:** September 27, 2019

**Effective Date:**

**Issued By:** Tamie A. Aberle  
 Director - Regulatory Affairs

**Docket No.:** G004/MR-19-512

## Tariffs Reflecting Proposed Changes



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

**State of Minnesota  
 Gas Rate Schedule - MNPUC Volume 2**

Section No. 5

~~186<sup>th</sup> - 185<sup>th</sup> Revised~~ Sheet No. 5-66  
 Canceling ~~184<sup>th</sup> - 185<sup>th</sup> Revised~~ Sheet No. 5-66

**PURCHASED GAS COST ADJUSTMENT**

	Firm			Interruptible				
	Est. Wtd. Demand Costs	Average Commodity	GCR Adj.	Est. Wtd. Total Firm	Est. Wtd. Demand Costs	Average Commodity	GCR Adj.	Est. Wtd. Total Large Int.
Base Rate	\$1.2178 <del>1-1890</del>	\$2.6354 <del>1-1890</del>	\$0.0000	\$3.8532 <del>3-7191</del>	\$0.3453 <del>0-3298</del>	\$2.6354 <del>1-1890</del>	\$0.0000	\$2.9807 <del>2-8599</del>
Accum. Adj.	0.0000 <del>0-1392</del>	0.0000 <del>(0-3803)</del>	0.0000 <del>0-4859</del>	0.0000 <del>0-2448</del>	0.0000 <del>0-0130</del>	0.0000 <del>(0-3803)</del>	0.0000 <del>0-4649</del>	0.0000 <del>0-0976</del>
Current Adj.	0.0000 <del>(0-0698)</del>	0.0000 <del>0-0036</del>	0.0000	0.0000 <del>(0-0662)</del>	0.0000	0.0000 <del>0-0036</del>	0.0000	0.0000 <del>0-0036</del>
Total Adj.	0.0000 <del>0-0694</del>	0.0000 <del>(0-3767)</del>	0.0000 <del>0-4859</del>	0.0000 <del>0.1786</del>	0.0000 <del>0-0130</del>	0.0000 <del>(0-3767)</del>	0.0000 <del>0-4649</del>	0.0000 <del>0-1012</del>
Total Rate	\$1.2178 <del>1-2584</del>	\$2.6354 <del>1-2584</del>	\$0.0000 <del>0-4859</del>	\$3.8532 <del>3-9877</del>	\$0.3453 <del>0-3428</del>	\$2.6354 <del>1-2584</del>	\$0.0000 <del>0-4649</del>	\$2.9807 <del>2-9611</del>

**Date Filed:** July 31, 2019

**Effective Date:** Service rendered on and after August 1, 2019

**Issued By:** Tamie A. Aberle  
 Director - Regulatory Affairs

**Docket No.:** G004/MR-16-834

**GREAT PLAINS NATURAL GAS CO.  
MINNESOTA  
PURCHASED GAS COST ADJUSTMENT  
BASE COST OF GAS - PROJECTED 2020**

	Billing Determinants	Rate	Demand Months	Amount	Amount Per Dk
<u>Viking Firm</u>					
FT-A - Zone 1-1 (Cat. 3)	8,000	\$4.3706	12	\$419,578	\$0.1321
FT-A - Zone 1-1 (Cat. 3)	5,000	4.3706	12	262,236	0.0826
FT-A Seasonal (Cat. 3)	2,000	4.3706	5	43,706	0.0138
FT-A - Zone 1-1 (Cat. 3)	5,000	4.3706	12	262,236	0.0826
FT-A - Capacity Release	(2,600)	2.1300	5	(27,690)	(0.0087)
<u>Northern Natural Firm</u>					
TFX - Winter/Seasonal	15,000	15.1530	5	1,136,475	\$0.3578
TFX - Summer	13,000	5.6830	7	517,153	0.1628
TF12 Base - Summer	3,819	5.6830	7	151,924	0.0478
TF12 Base - Winter	3,819	10.2300	5	195,342	0.0615
TF12 Variable - Summer	3,716	5.6830	7	147,826	0.0465
TF12 Variable - Winter	3,716	13.8660	5	257,630	0.0811
TF5	3,410	15.1530	5	258,359	0.0813
TFX - Summer	2,000	5.6830	7	79,562	0.0251
TFX - Winter	7,200	15.1530	5	545,508	0.1718
TFX Negotiated Contract - Winter	1,000	26.8918	5	134,459	0.0423
FDD-1 Reservation	4,640	1.7140	12	95,436	0.0300
Interruptible Demand Credit 3/				(611,545)	(0.1926)
Total Demand Charges				\$3,868,195	\$1.2178
Estimated Weighted Average Commodity Cost	3,175,968 1/	2.6354		8,369,946	2.6354
Total Current Firm Gas Cost				<u>\$12,238,141</u>	<u>\$3.8532</u>
<u>Interruptible</u>					
Demand Charge 2/					\$0.3453
Estimated Weighted Average Commodity Cost					2.6354
Total Current Interruptible Gas Cost					<u>\$2.9807</u>

<b>Rates Effective August 1, 2019 with Projected 2020 Commodity</b>	<u>\$/Dk</u>	
TF12 Base - Summer	\$5.6830	Per dk/Mo.
TF12 Base - Winter	10.2300	Per dk/Mo.
TF12 Variable - Summer	5.6830	Per dk/Mo.
TF12 Variable - Winter	13.8660	Per dk/Mo.
TF5	15.1530	Per dk/Mo.
TFX	15.1530	Per dk/Mo.
TFX Negotiated Contract	26.8918	Per dk/Mo.
FDD-1 Reservation	1.7140	Per dk/Mo.
FDD-1 Demand Charge (Capacity Charge)	0.3567	Per dk/Mo.
FT-A - Zone 1-1 (Category 3)	4.3706	Per dk/Mo.
TFX	15.1530	Per dk/Mo.
Estimated Weighted Average Commodity Cost	2.6354	Per dk



**GREAT PLAINS NATURAL GAS CO.  
MINNESOTA  
PURCHASED GAS COST ADJUSTMENT  
BASE COST OF GAS - PROJECTED 2020**

1/ Projected 2020 annual demand volume.

2/ Interruptible demand charge based on 100% load factor:

Firm Capacity (Per DEQ filing: Docket No. G004/M-18-454)	35,545
Dk @ 100% Load Factor (Firm capacity x 365 days)	12,973,925
Total Demand Charges (Excl. Interruptible Demand Credit)	<u>\$4,479,740</u>
Interruptible Demand Charge per dk @ 100% LF	\$0.3453

3/ Interruptible Demand Credit:

Interruptible Demand Charge per dk @ 100% LF	\$0.3453
Annual demand volume - Interruptible Customers only	<u>1,771,053</u>
Total Interruptible Demand Credit	(\$611,545)

Annual demand volume - Firm Customers only	<u>3,175,968</u>
Interruptible Demand Credit per dk - Firm	(\$0.1926)

**GREAT PLAINS NATURAL GAS CO.  
BASE COST OF GAS - PROJECTED 2020  
TOTAL SYSTEM**

	<u>Total System Supply</u>	<u>Cost per Dk</u>	<u>FDD-1 Storage 1/</u>	<u>FDD-1 Capacity</u>	<u>SMS 2/</u>	<u>Viking Transport</u>
<u>Estimated Cost Per Dk</u>						
Commodity Cost of Gas 3/		\$2.5000				
Transportation - Northern Natural		0.0379			\$0.0208	
Transportation - Viking						\$0.0129
Withdrawal Fee						
Fuel Transportation - Northern Natural 4/		0.0347				
Fuel Transportation - Viking 4/						0.0202
SMS Demand 5/		0.0132				
LMS Demand 5/		0.0061				
FDD-1 Capacity 6/				\$0.0193		
<b>Total Cost Per Dk</b>		<b>\$2.5919</b>		<b>\$0.0193</b>	<b>\$0.0208</b>	<b>\$0.0331</b>
Total Estimated Dk Purchases 7/	4,947,021	4,947,021				3,045,386
Estimated Cost	\$13,037,343	\$12,822,184	\$16,508	\$95,478	\$2,371	\$100,802
Average Cost Per Dk	<u>\$2.6354</u>					

1/ Total costs related to storage. See Attachment C, Page 4.

2/ Monthly requirement of 9,500 Dk.

3/ Projected based upon 2020 index pricing. See Attachment C, Page 6.

4/ Transportation Fuel Percentage of	<u>NNG</u>	<u>Viking</u>
Field Area and Other	0.00%	0.00%
Market Area	1.37%	0.80%
Total	1.37%	0.80%

5/ 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	\$2.1800	12	\$65,400	\$0.0132
LMS Demand	2,500	\$1.0000	12	\$30,000	\$0.0061

6/ 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	\$0.3567	5	\$95,433	\$0.0193

7/ See Attachment C, Page 5.

**GREAT PLAINS NATURAL GAS CO.  
BASE COST OF GAS - PROJECTED 2020  
TOTAL SYSTEM**

	<u>NNG</u>	<u>Viking</u>
<u>Transportation Fuel</u>		
Dk	4,947,021	3,045,386
Adjusted for Fuel Dk	5,015,737	3,069,946
Fuel Costs	\$171,790	\$61,400
Fuel Cost Per Dk	\$0.0347	\$0.0202
<u>Storage Fuel - NNG</u>		
Dk	267,547	
Adjusted for Fuel Dk	270,961	
Fuel Costs		\$8,535
<u>Injection/Withdrawal</u>		
Dk Injection	267,547	
Dk Withdrawal	267,547	
Total	<u>535,094</u>	
Charge per dk	\$0.0149	
Injection/Withdrawal cost		\$7,973
Total Costs Related to Storage		<u><u>\$16,508</u></u>

**GREAT PLAINS NATURAL GAS CO.  
RECONCILIATION OF PROJECTED SALES VOLUMES  
WITH RATE CASE**

	Projected 2020 Firm Sales	Projected 2020 IT Sales	Total
Great Plains Minnesota 1/	2,869,510	943,660	3,813,170
Great Plains North Dakota	306,458	827,393	1,133,851
	<u>3,175,968</u>	<u>1,771,053</u>	<u>4,947,021</u>

1/ Docket No. G004/GR-19-511, Statement C, Schedule C-1, Page 3.

**GREAT PLAINS NATURAL GAS CO.  
 WEIGHTED COST OF GAS  
 PROJECTED 2020**

Month	IFERC		IFERC		IFERC		GD		GD		Average	Projected 2020 Great Plains Volumes	Projected 2020 Commodity Cost
	Demarc	Emerson	Vent	Demarc	Emerson	Vent	Demarc	Emerson	Vent	GD			
Jan-20	\$2.91	\$3.02	\$3.36	\$3.16	\$3.11	\$3.22	\$3.13					852,867	\$2,669,474
Feb-20	\$2.71	\$2.91	\$3.15	\$2.39	\$2.33	\$2.36	\$2.64					742,548	1,960,327
Mar-20	\$2.44	\$2.49	\$2.44	\$2.54	\$2.52	\$2.61	\$2.51					682,688	1,713,547
Apr-20	\$2.08	\$2.15	\$2.09	\$2.18	\$2.13	\$2.22	\$2.14					480,850	1,029,019
May-20	\$1.91	\$1.98	\$1.97	\$1.95	\$1.96	\$1.97	\$1.96					319,082	625,401
Jun-20	\$2.01	\$1.92	\$1.99	\$1.92	\$1.73	\$1.88	\$1.91					170,672	325,984
Jul-20	\$2.10	\$2.07	\$2.12	\$2.06	\$2.04	\$2.09	\$2.08					120,213	250,043
Aug-20	\$2.20	\$2.09	\$2.20	\$2.28	\$2.15	\$2.28	\$2.20					126,149	277,528
Sep-20	\$2.24	\$2.14	\$2.22	\$2.23	\$2.18	\$2.23	\$2.21					128,128	283,163
Oct-20	\$2.20	\$2.09	\$2.23	\$2.09	\$1.85	\$2.07	\$2.09					195,902	409,435
Nov-20	\$2.51	\$2.43	\$2.53	\$2.29	\$2.27	\$2.30	\$2.39					461,557	1,103,121
Dec-20	\$2.62	\$2.81	\$2.78	\$2.41	\$2.43	\$2.45	\$2.58					666,365	1,719,222
												4,947,021	\$12,366,264

Estimated  
 WACOG \$2.50

\* Estimated index prices were gathered on July 29, 2019.

**GREAT PLAINS NATURAL GAS CO.  
PIPELINE RATES  
BASE COST OF GAS FILING  
PROJECTED 2020**

Docket No. G004/MR-19-512  
Attachment D  
Page 1 of 7

**Commodity**

Viking

FT-A 1/ Fuel Reimbursement	0.0129 0.80%	Viking V.33.0.0 FT-A Maximum Rates - Zone 1-1 Viking V.33.0.0 FT-A Maximum Rates - Zone 1-1
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Northern

TF, TFX 1/ SMS	0.0379 0.0208	Northern 14th Revised Sheet 50 Market Area - Maximum Northern 1st Revised Sheet 55 SMS
Storage Withdrawal	0.0149	Northern 1st Revised Sheet 55 FDD - Maximum
Fuel Reimbursement - Transportation	1.37%	Northern 22nd Revised 20th Sheet 54
Fuel Reimbursement - Storage	1.26%	Northern 22nd Revised 20th Sheet 54

**Demand Charges**

Viking

FT-A Res - Zone 1-1	4.7507	Viking V.33.0.0 Category 1 FT-A Zone 1-1
FT-A Res - Zone 1-1	4.3706	Viking V.33.0.0 Category 3 FT-A Zone 1-1
FT-A Seasonal	4.7507	Viking V.33.0.0 Category 1 FT-A Zone 1-1
LMS Demand	1.0000	Viking V.33.0.0 Part 5.0

Northern

TF12 Base-Summer	5.6830	Northern 14th Revised Sheet 50 TF12 Base Summer
TF12 Base-Winter	10.2300	Northern 14th Revised Sheet 50 TF12 Base Winter
TF12 Variable-Summer	5.6830	Northern 14th Revised Sheet 50 TF12 Variable Summer
TF12 Variable-Winter	13.8660	Northern 14th Revised Sheet 50 TF12 Variable Winter
TF5	15.1530	Northern 14th Revised Sheet 50 TF5
TFX - Winter	15.1530	Northern 17th Revised Sheet 51 TFX
TFX - Summer	5.6830	Northern 17th Revised Sheet 51 TFX
SMS	2.1800	Northern 1st Revised Sheet 55 SMS
FDD-1 Reservation	1.7140	Northern 1st Revised Sheet 55 FDD - Maximum
FDD-1 Demand Charge	0.3567	Northern 1st Revised Sheet 55 FDD - Maximum
TFX Negotiated Contract 2/	26.8918	Great Plains Natural Gas Co. Contract No. 127797

1/ Includes FERC ACA charge of \$0.0013. FERC updates the ACA charge every October.

2/ Contract term: 11/1/14 - 3/31/25; Reservation Charge: \$0.8846/Dth/day \* 30.4 = \$26.89184

RATE SCHEDULE TF

RESERVATION RATES	MARKET-TO-MARKET			FIELD-TO-FIELD/MARKET DEMARCATION
	TF12 Base	TF12 Variable	TF5	TFF
Base Tariff Rates 1/				
Summer (Apr-Oct)	5.683	5.683	-0-	5.473
Winter (Nov-Mar)	<u>10.230</u>	<u>13.866</u>	<u>15.153</u>	<u>9.853</u>

COMMODITY RATES 2/		Market Area 3/ 6/		Field Mileage 5/		Carlton Surcharge 4/		Out-of Balance 3/	
TF12 Base, TF12 Var., TF5 & TFF		Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Receipt Point	Delivery Point								
Market	Market	0.0366	0.0197			0.0175	0.0000	0.0366	0.0197
Field	Market	0.0366	0.0197	0.0122	0.0040	0.0175	0.0000		
Market	Field			0.0122	0.0040				
Field	Field			0.0122	0.0040			0.0276	0.0090

- 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 on Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs.
- 3/ The Maximum and Minimum rates include the Market Area Electric Compression charge of \$0.0007 where applicable. In addition, Shipper shall pay the 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 charge of \$0.0000 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/		\$5.683	\$15.153	\$5.473	\$9.853

  

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	0.0366	0.0197			0.0175	0.0000	0.0366	0.0197
Field	Market	0.0366	0.0197	0.0122	0.0040	0.0175	0.0000		
Market	Field			0.0122	0.0040				
Field	Field			0.0122	0.0040			0.0276	0.0090

- 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 on Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs.
- 3/ The Maximum and Minimum rates include the Market Area Electric Compression charge of \$0.0007 where applicable. In addition, Shipper shall pay the 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 Compression charge of \$0.0000 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)	1.52%
Field Area	2/ 3/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	-0.15% 4/ 5/ 7/
FDD Storage Fuel	1.26%

  

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

1/ Northern will adjust its Fuel 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 Unaccounted For 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 unaccounted-for retention charges.

6/ The Out-of-Balance Fuel Percentage for deliveries in MIDS 1-7 shall be the applicable Section 1 Mainline Fuel percentage, and for deliveries in MIDS 8-16B shall be the applicable Section 2 Mainline 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 Fee	1.7140	1/
Maximum Capacity Fee	0.3567	1/
Injection Charge - Firm	0.0149	
Withdrawal Charge - Firm	0.0149	
Annual Rollover Fee	0.3567	1/

Rate Schedule PDD

Maximum Capacity Fee	0.3567	1/
Maximum Monthly Inventory Charge	0.0887	1/
Injection Charge	0.0149	
Withdrawal Charge	0.0149	
Annual Rollover Fee	0.3567	1/

Rate Schedule IDD

Maximum Monthly Inventory Charge	0.0887	1/
Injection Charge	0.0149	
Withdrawal Charge	0.0149	
Annual Rollover Fee	0.3567	1/

Rate Schedule ILD

Maximum Charge	11.7500	
Minimum Charge	0.5044	
Performance Obligation Charge	2.0000	

Rate Schedule SMS

Reservation Fee	2.1800	
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
<u>Category 1 (Contract Term of Less than 3 Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.7507
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate 1/	\$5.7394
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$3.3143
Zone 2-2 Minimum Rate	\$0.0000
<u>Category 2 (Contract Term of 3 Years to less than 5 Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.5607
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$5.5494
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$3.1243
Zone 2-2 Minimum Rate	\$0.0000
<u>Category 3 (Contract Term of 5 or more Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.3706
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$5.3593
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.9343
Zone 2-2 Minimum Rate	\$0.0000

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

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

- 1/ Pursuant to Section 19 of the General Terms and Conditions, the maximum and minimum commodity rates shall be increased to include the Commission-authorized Annual Charge Adjustment unit rate as published on the Commission's Web Site located at <http://www.ferc.gov>.
- 2/ The Fuel and Loss Retention Percentages shall be applicable to all transportation rate schedules and includes the following Gas Lost and Unaccounted For Percentages: 0.00% for Zone 1-1, 0.00% for Zone 1-2, and 0.00% for Zone 2-2. Transportation entirely by Displacement will incur only the Gas Lost and Unaccounted For Percentages.

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

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

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

**GREAT PLAINS NATURAL GAS CO.  
RECONCILIATION OF BASE COST OF GAS FILING TO RATE CASE**

	Firm			Interruptible		
	Dk 1/	Rate 2/	Amount	Dk 1/	Rate 2/	Amount
<b>Base Cost of Gas Filing</b>						
<u>Minnesota</u>						
Demand	2,869,510	\$1.2178	\$3,494,489	943,660	\$0.3453	\$325,846
Commodity	2,869,510	2.6354	7,562,307	943,660	2.6354	2,486,922
Total		\$3.8532	\$11,056,796		\$2.9807	\$2,812,768
<u>North Dakota</u>						
Demand	306,458	\$1.2178	\$373,205	827,393	\$0.3453	\$285,699
Commodity	306,458	2.6354	807,639	827,393	2.6354	2,180,512
Total			\$1,180,844			\$2,466,211
<u>Total</u>						
Demand	3,175,968		\$3,867,694	1,771,053		\$611,545
Commodity	3,175,968		8,369,946	1,771,053		4,667,434
Total			\$12,237,640			\$5,278,979

	Demand	Commodity	Total
Total Firm Gas Costs - Great Plains calculated	\$3,867,694	\$8,369,946	\$12,237,640
Gas Costs - Base COG filing, Att. C. page 1	3,868,195	8,369,946	12,238,141
Difference (Rounding)	(\$501)	\$0	(\$501)

<u>Cost of Gas - Minnesota Only</u>	Firm	Interruptible	Total
Base cost of gas filing (above)	\$11,056,796	\$2,812,768	\$13,869,564
Statement C, C-2, page 9 3/	11,056,796	2,812,766	13,869,562
Difference	\$0	\$2	\$2

<u>Dk</u>			
Base cost of gas filing (above)	2,869,510	943,660	3,813,170
Statement C, C-2, page 9 3/	2,869,510	943,660	3,813,170
Difference	0	0	0

1/ Base Cost of Gas filing, Docket No. G004/MR-19-512, Attachment C, page 5.

2/ Base Cost of Gas filing, Docket No. G004/MR-19-512, Attachment C, page 1.

3/ Rate Case, Docket No. G004/GR-19-511.

Direct Effects on Rate Case (Docket No. G004/GR-19-511)

Cost of Gas	Statement C, Schedule C-2 page 9
Sales Revenues	Statement C, Schedule C-1, pages 4 - 17

Indirect Effects on Rate Case (Docket No. G004/GR-19-511)

Uncollectible Accounts	Statement C, Schedule C-2, page 16
Late Payment Revenues	Statement C, Schedule C-1, page 18