

- ☐ Not Public Document – Not For Public Disclosure  
☐ Public Document – Not Public Data Has Been Excised  
☒ Public Document

Xcel Energy Information Request No. 3  
Docket No.: E,G999/CI-19-160  
Response To: MN Department of Commerce  
Requestor: Adam Heinen, Angela Byrne, Sachin Shah  
Date Received: April 23, 2019

---

Question:

Topic: Natural Gas System Reliability  
Reference(s): April 12, 2019, Comments, Page 11

In the above reference, the Company mentions that it did not assess pipeline penalties to its interruptible transport customers because of an issue with its communications to customers. Please confirm whether the penalty amount summarized in the table on Page 11 is representative of all penalties that would be assessed to transport customers or whether additional curtailment penalties occurred but they are not included in the table.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

Response:

The penalty amounts summarized in the table on Page 11 are the final charges assessed to each non-firm customer group for the Jan 28-Feb 1 curtailment event. The penalties were assessed for unauthorized use of gas during service curtailments as defined in Xcel Energy's Interruptible and Interruptible Transportation Tariffs.

With respect to Interruptible Transport customers, we initially billed greater Tariff penalty amounts than shown in the table. However, after recognizing that our communication regarding the curtailment event was not clear, we reversed the initially-assessed penalty amounts – with the exception of the amounts attributable to customers who did not comply with our instructions for the curtailment period. Our communication to Interruptible Transport customers for the curtailment event was that all gas must be held to nominations or stay under their daily nominated amount. The penalty total of \$2,650 for this customer group was therefore assessed

to the Interruptible Transportation customers who burned more gas than their nominations for a specific gas day.

Xcel Energy did not incur any pipeline penalties. A pipeline penalty is an amount Xcel Energy is charged by the pipeline company for not staying in compliance during a curtailment. This curtailment event was not initiated by the pipelines; therefore Xcel Energy was not out of compliance with our pipeline agreements.

---

Preparer: Allie Shortridge  
Title: Billing Analyst Support  
Department: Billing Products & Services  
Telephone: 303-571-6393  
Date: May 3, 2019

**PUBLIC INFORMATION**  
**Trade Secret Information Has been Excised**

**Department of Commerce/Division of Energy Resources**  
**UTILITY INFORMATION REQUEST**

DOCKET NO. E,G-999/CI-19-160

**CenterPoint Energy Response**

Requested By: Adam Heinen/

---

Email Addresses: [adam.heinen@state.mn.us](mailto:adam.heinen@state.mn.us) /  
Phone: 651-539-1825 Adam /

---

Date Received: May 2, 2019

---

Response Date: May 6, 2019

---

Respondent/s Name: Marie Doyle

---

Respondent/s Title, Department: Regulatory Analyst, Regulatory Affairs

---

Respondent Telephone: 612-321-5078

---

Confidential: NO- Public version— average daily interruptible sales below.

---

---

**REQUEST NO.:** DOC-3 – EMAIL - Informal

**REQUEST:** Curtailment Related Data from Recent Cold Weather Event.

COPY TO OAG – per OAG 103.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

Email from Adam Heinen:

I am preparing the Department's comments in Docket No. 19-160 and I have some questions for each utility regarding some curtailment related data. This various information was provided in part in both the original comments and in discovery response, but, based on my review, the information was not necessarily complete and I was looking to fill some pieces in so that the Commission has a full picture and I am able to fully analyze interruptible performance. Some of these data may be ~~confident~~**confidential**, so **please do not reply all to this email.** Some of the information requested may have already been provided, just looking for consistency! Please provide the following:

- Total Number of Interruptible Customers;
- Total number of customers curtailed;
- Start and end of curtailment;
- Total Number of Non-Compliant Interruptible Customers (i.e., customers who did not curtail);
- Actual Unauthorized consumption (therms);
- Actual Curtailment Penalties in dollars; and

- Average Daily Interruptible Use for the months of January and February.

**RESPONSE:**

- Total Number of Interruptible Customers:

	Customers	Used Unauthorized
<b>Large Gen Firm *</b>	50	1
<b>Sm Vol Firm/Combo *</b>	12	3
<b>SVDF-A&amp;B</b>	1311	475
<b>LVDF</b>	240	108
<b>Total</b>	1613	587

\* - used over MDQ or Elected Firm level

- Total number of customers curtailed;

**See above, full curtailment of sales service was called, partial operational curtailment of transportation service customers.**

- Start and end of curtailment

**Beginning during the January 28, 209 gas day and running through January 31 into February 1st gas day.**

- Total Number of Non-Compliant Interruptible Customers (i.e., customers who did not curtail);

**See table above**

- Actual Unauthorized consumption (therms)
- Actual Curtailment Penalties in dollars; and

	Unauthorized (DT) Volumes	Penalty Revenue
Large Gen Firm *	63	\$942
Sm Vol Firm/Combo *	293	\$4,305
SVDF-A&B	34,642	\$508,658
LVDF	30,886	\$458,819
Total	65,884	\$972,724

- Average Daily Interruptible Use for the months of January and February.

**CenterPoint Energy Combined Daily System and Transport volume estimates in the files provided in DOC IR#2 in this docket.**

**[ Trade Secret Data Begins...**

**... Trade Secret Data Ends]**

**CenterPoint Energy has designated information the attached Excel Spreadsheet as Trade Secret.**

The information meets the definition of trade secret in Minn. Stat. 13.37 subd.1 (b) as follows: (1) the information was supplied by CenterPoint Energy, the affected organization; (2) we have taken all reasonable efforts to maintain the secrecy of the information, including protecting it from disclosure in this document; and (3) the protected information contains daily gas sales information which derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.

NSPM Response to Informal Request to the DOC  
7-May-19

Docket No. E,G999//CI-19-160

1	<b>TOTAL NUMBER OF INTERRUPTIBLE CUSTOMERS</b>	361	
2	<b>TOTAL NUMBER OF CUSTOMERS CURTAILED</b>	361	
3	<b>START AND END OF CURTAILMENT</b>		
	Start	We began curtailing a limited number (15) of interruptible customers the evening of January 28, and the remaining customers beginning at 9:00 a.m. January 29.	
	End	Feb 1, 2019 9:00 a.m.	
4	<b>TOTAL NUMBER OF NON-COMPLIANT INTERRUPTIBLE CUSTOMERS*</b>	139	
5	<b>ACTUAL UNAUTHORIZED CONSUMPTION (THERMS)*</b>	153,898	
6	<b>ACTUAL CURTAILMENT PENALTIES IN DOLLARS</b>	\$769,491	
7	<b>AVERAGE DAILY INTERRUPTIBLE USE FOR THE MONTHS OF JAN AND FEB**</b>		
	Jan	42,174	
	Feb	48,127	
	Jan and Feb Combined	44,999	

\* Values reflect information filed in May 6, 2019 Gas AAA & PGA Reply Comments, Attachment B; Docket Nos. G999/AA-18-374 and G002/AA-18-572; we will supplement our April 12th comments to update these amounts

\*\* Numbers reflect MN values, consistent with our response to IR DOC-2 (Att A), with usage added from the 245 premises that do not have daily data

**From:** [DeMerritt, Seth S](#)  
**To:** [Heinen, Adam \(COMM\)](#)  
**Cc:** ["Stastny, Kristin"](#); [Wolter, Mary L](#); [Phillips, Catherine A](#)  
**Subject:** RE: Curtailment Related Data from the Recent Cold Weather Event  
**Date:** Friday, May 03, 2019 9:59:04 AM  
**Attachments:** [image001.png](#)

---

Good Morning Adam,

I have included responses to your questions below in red.

- Total Number of Interruptible Customers; **678**
- Total number of customers curtailed; **MERC had requested 75 customers to curtail, of which 41 fully complied**
- Start and end of curtailment; **January 28<sup>th</sup> at 9:00 a.m. through Feb. 1 at 12:04 p.m.**
- Total Number of Non-Compliant Interruptible Customers (i.e., customers who did not curtail); **34**
- Actual Unauthorized consumption (therms); **38,583**
- Actual Curtailment Penalties in dollars; and **\$192,914.50**
- Average Daily Interruptible Use for the months of January and February. **The Average Daily Interruptible Use was 1,941,321 therms. I will note that this does not make any adjustment for MERC's Joint rate customers who have firm nominations. To state another way this is the average daily usage for all interruptible and joint rate customers.**

Please let me know if you have any questions.

Thanks  
Seth

Seth DeMerritt  
Sr. Project Specialist  
(920)-433-2926  
[seth.demerritt@wecenergygroup.com](mailto:seth.demerritt@wecenergygroup.com)

---

**From:** Heinen, Adam (COMM) [<mailto:adam.heinen@state.mn.us>]  
**Sent:** Thursday, May 02, 2019 11:30 AM  
**To:** 'marie.doyle@centerpointenergy.com'; Aberle, Tamie ([Tamie.Aberle@MDU.com](mailto:Tamie.Aberle@MDU.com)); Kristine Anderson; DeMerritt, Seth S; [gail.baranko@xcelenergy.com](mailto:gail.baranko@xcelenergy.com)  
**Subject:** Curtailment Related Data from the Recent Cold Weather Event

## Heinen, Adam (COMM)

---

**From:** Kristine Anderson <kanderson@greatermngas.com>  
**Sent:** Tuesday, May 14, 2019 1:53 PM  
**To:** Heinen, Adam (COMM)  
**Subject:** RE: Curtailment Related Data from the Recent Cold Weather Event

Sorry I missed it, Adam. I've been working remotely for a month due to recent foot surgery. Here you go. I put answers in red for easy identification.

- Total Number of Interruptible Customers;
  - GMG had 89 interruptible customers at the time of the severe weather event.
- Total number of customers curtailed
  - GMG curtailed all 89 interruptible customers.
- Start and end of curtailment
  - GMG called a system-wide curtailment for its interruptible customers on January 29, 2019.
  - For 87 interruptible customers the curtailment ended January 30, 2019
  - For 2 interruptible customers the curtailment ended February 1, 2019 for system capacity issues.
- Total Number of Non-Compliant Interruptible Customers (i.e., customers who did not curtail)
  - Zero.
- Actual Unauthorized consumption (therms)
  - Zero.
- Actual Curtailment Penalties in dollars
  - Zero.
- Average Daily Interruptible Use for the months of January and February.

<u>Month</u>	<u>Billed DKT's</u>	<u># of Customers</u>	<u># of Days</u>	<u>Ave Daily Use (Dkt's)</u>
January	9,107	89	31	3.30
February	7,835	89	28	3.14

GMG does not have actual daily usage by customer. The above is the usage billed for the respective month divided by the total number of customers billed that month divided by the number of days in the month to come up with an average daily use for the month.

Thanks!

Kristine

---

**From:** Heinen, Adam (COMM) <adam.heinen@state.mn.us>  
**Sent:** Tuesday, May 14, 2019 11:03 AM  
**To:** Kristine Anderson <kanderson@greatermngas.com>  
**Subject:** FW: Curtailment Related Data from the Recent Cold Weather Event

Kristine,

I was looking through my information, and I am not sure if you have responded to this informal request yet. If you could please look into this, it would be greatly appreciated. Thanks!

Adam Heinen



Public Utilities Rates Analyst  
651-539-1825  
[mn.gov/commerce](http://mn.gov/commerce)  
Minnesota Department of Commerce  
85 7th Place East, Suite 280 | Saint Paul, MN 55101



**CONFIDENTIALITY NOTICE:** This message is intended only for the use of the individual(s) named above. Information in this e-mail or any attachment may be confidential or otherwise protected from disclosure by state or federal law. Any unauthorized use, dissemination, or copying of this message is prohibited. If you are not the intended recipient, please refrain from reading this e-mail or any attachments and notify the sender immediately. Please destroy all copies of this communication.

---

**From:** Heinen, Adam (COMM)  
**Sent:** Thursday, May 02, 2019 11:30 AM  
**To:** 'marie.doyle@centerpointenergy.com' <[marie.doyle@centerpointenergy.com](mailto:marie.doyle@centerpointenergy.com)>; Aberle, Tamie ([Tamie.Aberle@MDU.com](mailto:Tamie.Aberle@MDU.com)) <[Tamie.Aberle@MDU.com](mailto:Tamie.Aberle@MDU.com)>; Kristine Anderson <[kanderson@greatermngas.com](mailto:kanderson@greatermngas.com)>; Seth S. DeMerritt ([seth.demerritt@wecenergygroup.com](mailto:seth.demerritt@wecenergygroup.com)) <[seth.demerritt@wecenergygroup.com](mailto:seth.demerritt@wecenergygroup.com)>; [gail.baranko@xcelenergy.com](mailto:gail.baranko@xcelenergy.com)  
**Subject:** Curtailment Related Data from the Recent Cold Weather Event

Good Morning,

I am preparing the Department's comments in Docket No. 19-160 and I have some questions for each utility regarding some curtailment related data. This various information was provided in part in both the original comments and in discovery response, but, based on my review, the information was not necessarily complete and I was looking to fill some pieces in so that the Commission has a full picture and I am able to fully analyze interruptible performance. Some of these data may be confident, so ***please do not reply all to this email***. Some of the information requested may have already been provided, so please don't get mad at me, just looking for consistency! Please provide the following:

- Total Number of Interruptible Customers;
- Total number of customers curtailed;
- Start and end of curtailment;
- Total Number of Non-Compliant Interruptible Customers (i.e., customers who did not curtail);
- Actual Unauthorized consumption (therms);
- Actual Curtailment Penalties in dollars; and
- Average Daily Interruptible Use for the months of January and February.

If you have any questions, please let me know. Thanks!

Adam Heinen  
Public Utilities Rates Analyst  
651-539-1825  
[mn.gov/commerce](http://mn.gov/commerce)  
Minnesota Department of Commerce  
85 7th Place East, Suite 280 | Saint Paul, MN 55101



**CONFIDENTIALITY NOTICE:** This message is intended only for the use of the individual(s) named above. Information in this e-mail or any attachment may be confidential or otherwise protected from disclosure by state or federal law. Any unauthorized use, dissemination, or copying of this message is prohibited. If you are not the intended recipient, please refrain from reading this e-mail or any attachments and notify the sender immediately. Please destroy all copies of this communication.

**Great Plains Natural Gas Co.  
Curtailment Related Data from the Recent Cold Weather Event**

- Total Number of Interruptible Customers;
  - Great Plains has 137 interruptible customers.
- Total number of customers curtailed;
  - 4 interruptible customers were curtailed.
- Start and end of curtailment;
  - January 29 through January 31.
- Total Number of Non-Compliant Interruptible Customers (i.e., customers who did not curtail);
  - 0 – all interruptible customers that were asked to curtail usage complied.
- Actual Unauthorized consumption (therms);
  - N/A
- Actual Curtailment Penalties in dollars; and
  - N/A
- Average Daily Interruptible Use for the months of January and February.
  - See the table below for the calculation of the average daily interruptible use. Since Great Plains does not monitor deliveries by rate class, this information is based upon billed data for the months of January and February 2019. This information does not represent the actual daily average consumption for each customer.

	<b>January</b>	<b>February</b>
Dekatherms	521,426.3	460,405.5
Customers	137	137
Days in month	31	28
Average daily customer use	<b>122.8 dk</b>	<b>120.0 dk</b>

**Minnesota Department of Commerce  
Division of Energy Resources  
Information Request**

Docket Number: E,G999/CI-19-160  
Requested From: All Electric Utilities  
Type of Inquiry: General

☐ Nonpublic ☒ Public  
Date of Request: 5/3/2019  
Response Due: 5/13/2019

Requested by: Adam Heinen/Angela Byrne/Sachin Shah  
Email Address(es): adam.heinen@state.mn.us/angela.byrne@state.mn.us/sachin.shah@state.mn.us  
Phone Number(s): 651-539-1825

---

**Request Number:** 4  
**Topic:** Electric System Reliability  
**Reference(s):**

---

**Request:**

- A. Please provide daily sales data, by tariff type or rate class (*e.g.*, firm, interruptible), for January and February 2019 in Microsoft Excel format with all links and formulae intact.
- B. Please provide a discussion on any, and all, curtailments, or load shaving activity, called during the cold weather event discussed in this docket. As part of this response, please provide a list of each customer curtailed, the duration of the curtailment, and a list of any customer who did not curtail usage when requested and the corresponding sales associated with this customer. Please provide this response in Microsoft Excel format with all links and formulae intact.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

---

To be completed by responder

Response Date:  
Response by:  
Email Address:  
Phone Number:

**Minnesota Department of Commerce  
Division of Energy Resources  
Information Request**

Docket Numbers: E,G999/CI-19-160 ☐Nonpublic ☒Public  
Date of Request: 5/8/2019  
Requested From: All Regulated Electric Utilities  
Response Due: 5/20/2019  
Type of Inquiry: General  
  
Requested by: Adam Heinen/Angela Byrne/Sachin Shah  
Email Address(es): adam.heinen@state.mn.us/angela.byrne@state.mn.us/  
sachin.shah@state.mn.us  
Phone Number(s): 651-539-1825

---

**Request Number:** 6  
**Topic:** MISO Penalties  
**Reference(s):**

---

**Request:**

Please provide the following:

- a. The amount of MISO penalties by charge type incurred during the recent severe cold weather event;
- b. An estimate of when this information will be available and, when this information is available, please provide this information in Microsoft Excel format;
- c. A detailed explanation of how these penalties will be assigned and passed on to other utilities in the Load Balancing Area (LBA) and ratepayers; and
- d. A detailed explanation of why these penalties were incurred and whether the utility has identified a specific reason or entity that is responsible for the penalty.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

---

To be completed by responder

Response Date:  
Response by:  
Email Address:  
Phone Number:

## DUAL FUEL GAS SALES SERVICE

This Dual Fuel Sales Service Agreement ("Agreement") is between CenterPoint Energy Resources Corp., d/b/a CenterPoint Energy Minnesota Gas (CenterPoint Energy), 505 Nicollet Mall, P.O. Box 59038, Minneapolis, Minnesota 55459-0038 and \_\_\_\_\_ (Customer), a \_\_\_\_\_ (Proprietorship, Partnership or Corporation), \_\_\_\_\_. Customer is a user of natural gas who meets the requirements for dual fuel service as outlined in the applicable dual fuel sales service tariff on file with the Minnesota Public Utilities Commission, as it may be changed from time to time ("Tariff"). CenterPoint Energy and Customer agree as follows:

### Section 1. REQUIREMENTS AND DELIVERIES.

1.1. **Delivery of Gas.** CenterPoint Energy will sell and deliver pipeline quality gas at \_\_\_\_\_ (Acct# \_\_\_\_\_) on an interruptible basis. The metered volume will be adjusted to account for variations in pressure and temperature and billed accordingly. Gas-using equipment is listed in Appendix A. Customer will notify CenterPoint Energy of any changes in its use of natural gas.

1.2. **Refusal or Disconnection of Service.** CenterPoint Energy will not initiate gas service until all equipment necessary for gas and alternative fuel operation is installed and performs in compliance with applicable laws, ordinances and codes and Customer meets CenterPoint Energy's credit requirements.

CenterPoint Energy may refuse service or disconnect service without notice for the following reasons:

- Tampering with CenterPoint Energy's equipment;
- The existence of a condition hazardous to Customer; CenterPoint Energy's other customers, employees or equipment; or the public;
- Customer's use of equipment which adversely affects CenterPoint Energy's equipment or service to others.

CenterPoint Energy may refuse or disconnect service upon five days written notice for any of the following reasons:

- Customer's failure to pay a bill when due;
- Customer's violation of CenterPoint Energy's Rules and Regulations on file with the Public Utilities Commission or city having jurisdiction;
- Customer's breach of this Agreement;
- Customer's failure to provide CenterPoint Energy reasonable access to CenterPoint Energy's equipment;
- Customer's failure to furnish necessary service, equipment or rights-of-way which CenterPoint Energy has specified as a condition for obtaining service.

Disconnection does not relieve Customer of the responsibility to pay CenterPoint Energy for service previously rendered.

### Section 2. PRICE, BILLING AND PAYMENT PROCEDURES.

- 2.1. **Rate for Gas.** Customer will pay the gas rate in the applicable Dual Fuel Sales Service Tariff approved by the applicable authority. CenterPoint Energy may increase or decrease the rate for changes in the cost of gas pursuant to its Purchased Gas Adjustment Clause.
- 2.2. **Taxes and Fees.** Customer will pay any tax or fee imposed on all or part of any sale of gas or the gross revenues derived from the sale of gas.
- 2.3. **Gas Used After Notice of Curtailment.** For all unauthorized gas used after notice of curtailment, Customer will pay the charge for Unauthorized Gas as specified in the tariff.
- 2.4. **Billing and Payment.** CenterPoint Energy will bill Customer monthly. Payment is due by the due date noted on the bill.
- 2.5. **Late Payment Charge.** Late payment will be charged as specified in the tariff.

### Section 3. CURTAILMENT.

- 3.1. **Curtailment.** Customer will provide CenterPoint Energy (and update as necessary) the names and telephone numbers of persons CenterPoint Energy should notify to curtail in Appendix B. Customer will curtail gas usage upon one hour's notice.

### Section 4. SERVICE LINES AND METERING EQUIPMENT.

- 4.1. **Equipment Furnished by CenterPoint Energy.** CenterPoint Energy will install and maintain necessary gas mains and services, meter, remote reading equipment, and regulator equipment to supply natural gas to the CenterPoint Energy meter on Customer's premises. CenterPoint Energy may charge Customer for costs of installation consistent with CenterPoint Energy's tariff. All equipment furnished by CenterPoint Energy will remain its property, and CenterPoint Energy may remove its equipment upon termination of service to customer.
- 4.2. **Customer's Equipment.** All piping and equipment downstream of the meter, including telephone lines and any necessary electrical power for remote meter reading equipment, will be installed and maintained by Customer and remain Customer's responsibility. Any inspection by CenterPoint Energy of Customer's piping and equipment will not impose any obligation or liability on CenterPoint Energy.

- 4.3. **Location on Customer's Premises.** Customer will, without expense to CenterPoint Energy, provide, and maintain on the premises, at a location satisfactory to CenterPoint Energy, proper space for CenterPoint Energy's piping, meters, regulators and other equipment.
- 4.4. **Access to Equipment.** CenterPoint Energy representatives have the right at all reasonable times to have access to its equipment for any reason related to this Agreement, including the right to read meters, make inspections or repairs or remove CenterPoint Energy's equipment. Customer will obtain consent from its lessor, if any, for CenterPoint Energy to enter the premises for these purposes. Access will be granted at all times for emergency purposes.
- 4.5. **Safekeeping of CenterPoint Energy's Equipment.** Customer will provide for the safekeeping of CenterPoint Energy's meters and other equipment. Customer will reimburse CenterPoint Energy for the cost of any alterations to its property necessitated by Customer, and for any loss or damage to CenterPoint Energy's property due to negligence of Customer, its agents or employees. CenterPoint Energy may suspend or discontinue gas service until any such damage or loss is settled to its satisfaction.

**Section 5. ALTERNATIVE OR DUAL FUEL EQUIPMENT.**

- 5.1. **Alternative or Dual Fuel Capability.** Customer must have an operational alternate or dual fuel system installed. The installation and maintenance of the alternate or dual fuel system must comply with applicable codes, ordinances and laws.
- 5.2. **Alternate Fuel Supply.** Customer will have access to sufficient alternate fuel supplies for all periods of curtailment.

**Section 6. TERM.**

This Agreement is effective when signed by both parties and remains in effect until terminated by CenterPoint Energy pursuant to Section 1 or either party upon 30 days written notice. This Agreement supersedes all prior written or oral agreements.

**Section 7. NOTICES.**

Notices, except as otherwise specified, will be sent to:

CenterPoint Energy, Commercial & Industrial Sales

505 Nicollet Mall, P.O. Box 59038,

Minneapolis, Minnesota 55459-0038

Phone: 612.321.4330

NAME

ADDRESS

TITLE

CITY, STATE, ZIP

TELEPHONE NUMBER

**PLEASE NOTIFY CENTERPOINT ENERGY OF ANY  
CHANGES IN CONTACTS**

**Section 8. ASSIGNMENT.**

This Agreement cannot be assigned without CenterPoint Energy's prior written approval. If Customer does not obtain approval, Customer will remain liable for payment of gas service.

**Section 9. WAIVER OF LIABILITY.**

CenterPoint Energy will not be liable for any loss, injury, or damages, including any special, incidental, or consequential damages, resulting from CenterPoint Energy's disconnection or refusal of service, or any interruption or curtailment of gas service.

**Section 10. APPLICABLE LAW AND REGULATION.**

This Agreement will be construed in accordance with the laws of the State of Minnesota. However, notwithstanding any of the terms or conditions of the Agreement, the Tariff shall govern. If a change in the Tariff creates a conflict with any section of this Agreement, either party may cancel this Agreement immediately upon delivery of written notice of such cancellation to the other party. Further, the operation and effectiveness of this Agreement shall not continue if such continuance would violate any applicable statute, regulation or other jurisdictional authority.

**Section 11. COMPLETE AGREEMENT.**

This Agreement and the Tariff constitute the parties' complete agreement. With the exception of changes to the Tariff, this Agreement cannot be changed except in a writing signed by both parties.

**CENTERPOINT ENERGY RESOURCES CORP., d/b/a  
CenterPoint Energy Minnesota Gas**

**CUSTOMER(S)**

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

**AGREEMENT APPENDIX A**

EQUIPMENT	MMBTU/INPUT	ALTERNATE FUEL
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____
10. _____	_____	_____

*(Attach additional pages if necessary)*

**ALTERNATE FUEL STORAGE CAPACITY** \_\_\_\_\_  
*(Please notify CenterPoint Energy of any changes in equipment capacity.)*

**AGREEMENT APPENDIX B**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**CURTAILMENT NOTICES**

1.	_____		
	NAME	TITLE	
	OFFICE PHONE	HOME PHONE	Cell Phone
2.	_____		
	NAME	TITLE	
	OFFICE PHONE	HOME PHONE	Cell Phone
3.	_____		
	NAME	TITLE	
	OFFICE PHONE	HOME PHONE	Cell Phone

*(Please notify CenterPoint Energy of any change in Curtailment Contacts.)*



## **SMALL VOLUME DUAL FUEL SALES SERVICE**

### **Availability:**

Small Volume Dual Fuel Sales Service is available to commercial and industrial customers on an interruptible basis with requirements of 25 Therms an hour or more and peak day requirements are less than 2,000 Therms.

Customers that use, for reasons of price, an alternative energy supply (other than biomass energy) shall be limited to gas service under the Market Rate Service Rider for a period of one (1) year.

### **Rate:**

<b>ANNUAL USAGE</b>	<b>MONTHLY BASIC CHARGE</b>	<b>DELIVERY CHARGE PER THERM</b>	<b>COST OF GAS PER THERM</b>
Less than 120,000 Therms	\$55.50	\$0.12421	\$0.32426
Greater than or equal to 120,000 Therms	\$88.50	\$0.11497	\$0.32426

### **Therm Factor Adjustment:**

Customer metered usage will be adjusted to reflect the following: 1,000 Btu per cubic foot, base pressure of 14.73 PSIA, and a gas temperature of 60 degrees Fahrenheit.

### **Special Conditions:**

- 1) Customer must have and maintain adequate standby facilities and have available sufficient fuel supplies to maintain operations during periods of curtailment. Customer further agrees to curtail the use of gas on one (1) hour's notice when requested by CenterPoint Energy.
- 2) If a customer fails to discontinue use of gas within one hour of being requested to do so by CenterPoint Energy, the customer will be deemed to have taken Unauthorized Gas. The penalty for unauthorized use of gas will be:
  - a) For the first occurrence of the gas year: the prevailing delivery charge plus the highest incremental supply cost for the day plus \$1.00 per Therm.
  - b) For subsequent occurrences: the prevailing delivery charge plus the highest incremental supply cost for the day plus \$2.00 per Therm.

## **SMALL VOLUME DUAL FUEL SALES SERVICE (CONTINUED)**

### **Special Conditions (continued):**

For purposes of this provision, the gas year is the twelve month period beginning November 1 each year.

Further, CenterPoint Energy shall have the right to shut off customer's supply of gas in the event of failure to discontinue use after being requested to do so.

- 3) Customers who purchase gas for use in their own compressor facilities for compressed natural gas motor fuel must have a dual fuel burning capability for fleet vehicles using compressed natural gas, and must have the ability to curtail the use of gas for this purpose on one (1) hour's notice when required to do so by CenterPoint Energy.
- 4) Customer is responsible for reimbursing CenterPoint Energy for all incremental on-site plant investments, including telemetry equipment, required by CenterPoint Energy for providing service to the customer. This investment shall remain the property of CenterPoint Energy.

### **Due Date:**

The due date printed on customer bills will not be more than five days before the next scheduled billing date. However, customers who have selected the AutoPay option may select a due date which is greater than five days before the next scheduled billing date.

### **Late Payment Charge:**

Delinquent amounts are subject to a late payment charge of 1.5% or \$1.00, whichever is greater. No late payment charge will be applied if the delinquent amount is \$10.00 or less.

All payments received will be credited against the oldest outstanding account balance before application of any late payment charge. The late payment charge will be assessed on unpaid amounts at the next scheduled billing date.

### **Franchise Fee:**

A franchise fee will be added to the monthly bill computed at this rate schedule for those communities that impose a franchise fee.

### **Purchased Gas Adjustment Rider:**

The above rate is subject to the Purchased Gas Adjustment Rider at Section V, Page 22. Bills will be automatically increased or decreased as provided in the rate adjustment clause to reflect changes in the cost of purchased gas.

### **Conservation Improvement Adjustment Rider:**

All customer bills under this rate are subject to the Conservation Improvement Rider, Section V, Page 13.

### **Revenue Decoupling (RD) Rider:**

All customers under this rate are subject to the Revenue Decoupling Rider, Section V, Pages 28-28.a.

### **Contract:**

Customers must sign a separate contract for Small Volume Dual Fuel Sales Service to each delivery point, with a minimum contract term of one (1) year.

## LARGE VOLUME DUAL FUEL SALES SERVICE

### Availability:

Large Volume Dual Fuel Sales Service is available, on an interruptible basis, to commercial and industrial customers whose peak day requirements exceed 1,999 Therms, contingent on an adequate gas supply and distribution system capacity.

Customers that use, for reasons of price, an alternative energy supply (other than biomass energy) shall be limited to gas service under the Market Rate Service Rider for a period of one (1) year.

### Rate:

MONTHLY BASIC CHARGE	DELIVERY CHARGE PER THERM	COST OF GAS PER THERM
\$900.00	\$0.07048	\$0.32426

### Therm Factor Adjustment:

Customer metered usage will be adjusted to reflect the following: 1,000 Btu per cubic foot, base pressure of 14.73 PSIA, and a gas temperature of 60 degrees Fahrenheit.

### Special Conditions:

- 1) Customer must have and maintain adequate standby facilities and have available sufficient fuel supplies to maintain operations during periods of curtailment. Customer further agrees to curtail the use of gas on one (1) hour's notice when requested by CenterPoint Energy.
- 2) If a customer fails to discontinue use of gas within one hour of being requested to do so by CenterPoint Energy, the customer will be deemed to have taken Unauthorized Gas. The penalty for unauthorized use of gas will be:
  - a. For the first occurrence of the gas year: the prevailing delivery charge plus the highest incremental supply cost for the day plus \$1.00 per Therm.
  - b. For subsequent occurrences: the prevailing delivery charge plus the highest incremental supply cost for the day plus \$2.00 per Therm.

For purposes of this provision, the gas year is the twelve month period beginning November 1 each year.

Further, CenterPoint Energy shall have the right to shut off customer's supply of gas in the event of failure to discontinue use after being requested to do so.

## **LARGE VOLUME DUAL FUEL SALES SERVICE (CONTINUED)**

### **Special Conditions (continued):**

- 3) Customers who purchase gas for use in their own compressor facilities for compressed natural gas motor fuel must have a dual fuel burning capability for fleet vehicles using compressed natural gas, and must have the ability to curtail the use of gas for this purpose on one (1) hour's notice when required to do so by CenterPoint Energy.
- 4) Customer is responsible for reimbursing CenterPoint Energy for all incremental on-site plant investments, including telemetry equipment, required by CenterPoint Energy for providing service to the customer. This investment shall remain the property of CenterPoint Energy.

### **Due Date:**

The due date printed on customer bills will not be more than five days before the next scheduled billing date. However, customers who have selected the AutoPay option may select a due date which is greater than five days before the next scheduled billing date.

### **Late Payment Charge:**

Delinquent amounts are subject to a late payment charge of 1.5% or \$1.00, whichever is greater. No late payment charge will be applied if the delinquent amount is \$10.00 or less.

All payments received will be credited against the oldest outstanding account balance before application of any late payment charge. The late payment charge will be assessed on unpaid amounts at the next scheduled billing date.

### **Franchise Fee:**

A franchise fee will be added to the monthly bill computed at this rate schedule for those communities that impose a franchise fee.

### **Purchased Gas Adjustment Rider:**

The above rates are subject to the Purchased Gas Adjustment Rider at Section V, Page 22. Bills will be automatically increased or decreased as provided in the rate adjustment clause to reflect changes in the cost of purchased gas.

### **Conservation Improvement Adjustment Rider:**

All customer bills under this rate are subject to the Conservation Improvement Rider, Section V, Page 13.

### **Revenue Decoupling Rider:**

All customer bills under this rate with the exception of customers taking Market Rate Service, (Section V, Page 11) are subject to the Revenue Decoupling Rider, Section V, Pages 28-28.a.

### **Contract:**

Customers must sign a separate contract for Large Volume Dual Fuel Sales Service to each delivery point, with a minimum contract term of one (1) year



---

## PROCESS INTERRUPTIBLE SALES SERVICE RIDER

### Availability:

This Rider will make Dual Fuel Sales Service available to certain customers who have no alternative fuel facilities. To qualify, customers must have the ability and willingness to discontinue natural gas use promptly upon notification by CenterPoint Energy and meet the other Special Conditions outlined below. Customers receiving service under this Rider are subject to all provisions of the Dual Fuel Sales Service Tariff except as noted.

### Special Conditions:

- 1) Customers must sign a form acknowledging their ability and willingness to discontinue use of natural gas upon notice by CenterPoint Energy and customers must demonstrate to CenterPoint Energy when requested by the Company that they have the ability to discontinue natural gas use promptly upon notification in conformance with the terms of this Rider.
- 2) Customers must curtail use of natural gas within one (1) hour notice by CenterPoint Energy, and must maintain three (3) current contact people to receive notice of curtailment.
- 3) Telemetering equipment must be installed at the customer's expense.
- 4) Customers must retain service under this Rider for a minimum of one year.

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**INTERRUPTIBLE GAS SERVICE AGREEMENT**

Section No. 7  
3rd Revised Sheet No. 10



**NATURAL GAS SERVICE AGREEMENT - INTERRUPTIBLE SERVICE**

THIS Natural Gas Service Agreement is made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between Northern States Power Company, a Minnesota corporation ("Xcel Energy"), hereinafter called "Xcel Energy" or "Company", and \_\_\_\_\_, hereinafter called the "Customer", engaged in the business of \_\_\_\_\_.

WITNESSETH: That the parties hereto, each in consideration of the agreements of the other, agree as follows:

- 1.0 **REQUIREMENTS AND DELIVERIES.** Company agrees to supply gas to Customer at a rate of flow up to but not exceeding \_\_\_\_\_ therms per hour and \_\_\_\_\_ therms per day, at the point of delivery which shall be at the outlet of the meter installation at \_\_\_\_\_, and Customer agrees to take gas from Company for Customer's own use for the following purposes: \_\_\_\_\_ Gas shall be delivered at such pressures and temperatures as may exist under operating conditions at Customer's service location. Operating pressures at this location shall normally be between \_\_\_\_\_ Psi and \_\_\_\_\_ Psi.

The gas furnished hereunder is interruptible gas and delivery thereof is subject to curtailment. Customer agrees to curtail use of gas hereunder to the extent and for the periods requested by Company. Customer further agrees to provide and maintain suitable standby facilities and have available sufficient standby fuel for periods of curtailment of the delivery of gas. When curtailment of the use of gas is required, the Company agrees to provide notice to the Customer in conformity with its Interruptible Rate Schedule in its Tariff on file with the state regulatory commission in the state where Customer receives service. Moreover, the Company agrees, whenever possible, to give Customer the time reasonably necessary to make a change-over to standby fuel or otherwise curtail gas use, and Customer agrees to proceed promptly to make such change-over or take such action as necessary to curtail gas use. Customer will provide Company (and update as necessary) the names and telephone numbers of persons Company should notify to curtail service. (See Appendix)

Company shall not be liable for any loss, injury or damage resulting to Customer, its assigns, or others, from failure to provide gas service arising out of the interruption or curtailment of gas service.

- 2.0 **TERM.** This agreement shall commence on \_\_\_\_\_, \_\_\_\_\_, and shall continue in effect until \_\_\_\_\_, \_\_\_\_\_, and, if not then terminated by at least thirty days prior written notice by either party, shall continue further until so terminated.

(Continued on Sheet No. 7-11)

Date Filed:	11-12-09	By:	Judy M. Poferl	Effective Date:	05-01-11
			President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/GR-09-1153			Order Date:	12-06-10

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**INTERRUPTIBLE GAS SERVICE AGREEMENT  
(Continued)**

Section No. 7  
4th Revised Sheet No. 11

3.0 **RATE AND CHARGES.** All rates and charges applicable to Customer shall be assessed in conformity with the General Rules and Regulations and/or the Rate Schedule of Xcel Energy's Gas Rate Book for Customer's specific service, as they now exist or may hereafter be changed, on file with the state regulatory commission in the state where Customer receives service. For purposes of this agreement, the Customer agrees to take service pursuant to Xcel Energy's Interruptible Service Rate Schedule (if service is provided to Customer in Minnesota) or Large Interruptible Service Rate Schedule (if service is provided to Customer in North Dakota), attached hereto.

4.0 **CURTAILMENT PRIORITY CATEGORY.** Company shall place Customer in priority category \_\_\_\_\_. It is understood and agreed that this classification shall be subject to revision based on actual experience of operation or modification to the priority of service categories of Company or Company's interstate pipeline suppliers.

If Customer fails to curtail use of gas hereunder when requested to do so by Company, Customer agrees to pay to Company the amount specified in the rate schedule provision "Additional Charge for Unauthorized Use of Gas During Service Curtailment, Interruption or Restriction" (if Customer service is provided in Minnesota) or "Additional Charge for Use of Gas During Curtailment" (if Customer service is provided in North Dakota) then in effect. The payment of a penalty shall not, under any circumstances, be considered as giving the customer the right to take unauthorized gas. Nor shall such payment be considered to exclude or limit any other remedies available to the Company, including, but not limited to, shutting off Customer's supply of gas in the event of failure to curtail use thereof when requested by Company.

T  
T  
T

An interruptible customer's unauthorized use of gas during an interruption is a breach of the terms of service. Xcel Energy reserves the right to discontinue service for such unauthorized use of gas and/or move non-compliant customers to a different rate class. If an interruptible customer's service is reconnected following a breach of the terms of service or unauthorized use of gas, the customer will reimburse the company for the cost of reconnection.

N  
N  
N  
N  
N

5.0 **PAYMENT OF BILLS.** All bills are due and payable upon presentation. Late payment charges may apply under the terms of Company's General Rules and Regulations in effect from time to time.

6.0 **TERMS AND CONDITIONS.** The service hereunder shall be supplied for Customer's use subject to the General Rules and Regulations of Company on file with the state regulatory commission in the state where Customer receives service, as they now exist or may hereafter be changed. A copy of such rules and regulations is available from the Company upon request. Customer agrees to use gas service only as herein stated and will not assign this Agreement except upon written consent of Company.

6.1 **METERING, CHARTS.** Recording charts have been replaced by telemetering devices to reduce costs in order to efficiently collect daily meter reading data. In the event of telemetering failure, Customer shall take meter readings on a daily basis at a time specified by Company and shall promptly forward such readings to Company.

Date Filed:	06-27-14	By: David M. Sparby	Effective Date:	11-01-14
		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/M-14-540		Order Date:	10-17-14

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**INTERRUPTIBLE GAS SERVICE AGREEMENT**  
**(Continued)**

Section No. 7  
Original Sheet No. 11.1

- 6.2 **TELEMETERING.** Service shall be provided through a Company owned and maintained meter with telemetering or other automated meter reading capabilities installed. Customer shall provide, install and maintain a weatherproof phone service and electrical service outlet with appropriate grounding for telemetering equipment. If the Customer fails to provide phone and/or electrical service that meets Company requirements, then the Customer will be required to manually collect meter readings as described above in Paragraph 6.1. If customer fails to provide the specified equipment and meter readings, then the Company may charge the Customer for its elevated actions to acquire the meter data as described in this class's tariff in Section 5.
- 7.0 **REGULATORY AUTHORITY.** It is understood that this Agreement is subject to the authority of any regulatory body having jurisdiction over the Parties and the subject matter of this Agreement.
- 8.0 **TERMINATION OF PRIOR AGREEMENT.** It is mutually agreed that on the effective date hereof this Agreement terminates that certain Agreement dated \_\_\_\_\_, \_\_\_\_\_, between Company and \_\_\_\_\_, covering the service furnished thereunder and any understandings, liabilities and undertakings of each Party unto the other arising therefrom, except as to any unpaid bills for gas service owing to Company.

**Northern States Power Company**  
**a Minnesota corporation ("Xcel Energy")**  
**(Print full name)**

**Customer (Print full name)**

SIGNATURE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

Form 17-6707

Date Filed: 11-12-09 By: Judy M. Poferl Effective Date: 05-01-11  
President and CEO of Northern States Power Company, a Minnesota corporation  
Docket No. G002/GR-09-1153 Order Date: 12-06-10



Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**INTERRUPTIBLE SERVICE**

**RATE CODES: SMALL 105 & 111, MEDIUM 106, LARGE 120**

Section No. 5  
8th Revised Sheet No. 10

**AVAILABILITY**

This rate is available to any interruptible commercial or industrial customer. Customer's rate will be based on peak day demand: Small – less than 2,000 Therms; Medium – more than 2,000 and less than 50,000 Therms; Large – more than 50,000 Therms. Customer agrees:

1. To curtail use within one hour after Company notification,
2. To provide and maintain suitable and adequate alternate fuel capable standby facilities, and
3. To have access to sufficient standby alternate fuel for periods of curtailment of the delivery of gas sold hereunder.

If a portion of a customer's gas usage is for processing or manufacturing, and curtailment would not be in violation of applicable codes, then requirements (2) and (3) above shall not apply to that portion. If customer agrees to confine the use of natural gas for specified end uses under this rate to the months of April through October in any calendar year, requirements (2) and (3) above shall not apply. However, any use under this rate is still curtailable at Company option.

Curtailment notifications will be made to customer provided notification devices (e.g. phone, email, text message, fax, pager) a minimum of one hour prior to the curtailment start. Notifications identifying the end of the curtailment period will be made to interruptible gas customers in the same manner.

**CHARACTER OF SERVICE**

Delivery of gas hereunder shall be subject to curtailment whenever requested by Company. Service shall be provided through a Company owned and maintained meter with telemetering or other automated meter reading capabilities installed. Customer shall provide, install, and maintain a weatherproof phone service and electrical service outlet with appropriate grounding for telemetering equipment.

If the Customer fails to provide phone and/or electrical service that meets Company requirements, then the Company may take one of the following actions and charge the Customer for the costs:

1. Equip customer with cellular meter reading technology, if service is available, for an initial cost of \$1,800 and a monthly cost of \$10.00 for cellular service and maintenance.
2. Equip customer with a recording instrument for an initial cost of \$2,100 and a monthly cost of \$52.44 for reading the recording instrument manually each month by the Company via laptop computer.
3. A Small Interruptible customer that meets size requirements may be moved to service on Commercial Firm Service (does not require telemetering).

(Continued on Sheet No. 5-11)

Date Filed:	11-17-14	By: Christopher B. Clark	Effective Date:	05-26-15
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	G002/M-14-540		Order Date:	05-26-15

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**INTERRUPTIBLE SERVICE**

**RATE CODES: SMALL 105 & 111, MEDIUM 106, LARGE 120**

Section No. 5  
Original Sheet No. 10.1

**DETERMINATION OF CUSTOMER BILLS**

Customer bills under this rate are based on the distribution cost and the cost of gas that vary with customer usage determined in Therms, in addition to a monthly minimum charge equal to the monthly customer charge. Details regarding these specific charges are listed below.

**DETERMINATION OF COST OF GAS**

The billed Cost of Gas is the below Base Cost of Gas for each unit of customer usage determined in Therms adjusted by the Purchased Gas Adjustment as provided for in the Purchased Gas Adjustment Clause. See additional information on the Purchased Gas Adjustment Clause in this section.

**MONTHLY MINIMUM CHARGE**

Customer Charge as listed below.

<b>RATE</b>	<b>SMALL</b>	<b>MEDIUM</b>	<b>LARGE</b>
Customer Charge per Month	\$145.00	\$300.00	\$450.00
Fixed Distribution Charge per Therm	\$0.096354	\$0.047512	\$0.043461
Base Cost of Gas per Therm	\$0.54926	\$0.54696	\$0.55006

(Continued on Sheet No. 5-11)

Date Filed:	11-12-09	By: Judy M. Pofert	Effective Date:	05-01-11
		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/GR-09-1153		Order Date:	12-06-10

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**INTERRUPTIBLE SERVICE (Continued)**  
**RATE CODES: SMALL 105 & 111, MEDIUM 106, LARGE 120**

Section No. 5  
7th Revised Sheet No. 11

**RATE (Continued)**

Flexible Distribution Charge.

Small Volume Company and customer will agree to a price between \$0.009675 and \$0.183033 per Therm.

Medium Volume Company and customer will agree to a price between \$0.003924 and \$0.091100 per Therm.

Large Volume Company and customer will agree to a price between \$0.002934 and \$0.083988 per Therm.

The most recently approved Conservation Cost Recovery Charge (CCRC) will be added to the minimum rate unless the customer has received a Conservation Improvement Program (CIP) exemption. Unless otherwise agreed, a five day notice of price change shall be provided.

Service on the Flexible Rate. Customers are normally served on the fixed rate but will be placed on the flexible rate if: (1) the customer requests flexible rate service, (2) for pricing reasons, the customer uses a non-gas alternate energy supply/service from a supplier not regulated by the Commission, or (3) the customer uses gas from a supplier not regulated by the Commission.

Returning to the Fixed Rate. A customer who has been on the flexible rate for at least six months can give the Company notice that in an additional six months customer wishes to return to the fixed rate. The notice is made void if the customer thereafter voluntarily uses an alternate fuel or service.

Flexible Rate Exemption. The Company shall not offer or impose the flexible rate in competition with indigenous biomass energy.

Non-Agreement Penalties. If Company and customer cannot agree to a flexible distribution charge and customer nonetheless uses gas, then customer shall be charged the maximum allowable flexible distribution charge, plus all other applicable charges and penalties.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

**THERM ADJUSTMENT**

Customer's Therm usage shall equal their Ccf consumption adjusted to reflect 1,000 Btu per cubic foot, a base pressure of 14.73 PSIA, and a gas temperature of 60 degrees Fahrenheit. For additional information regarding metering and billing adjustments, see Section 6.

**SUPERCOMPRESSIBILITY ADJUSTMENT**

For customers served at 25 PSIG or greater, an adjustment factor or correction device shall be used to correct gas consumption measurements for supercompressibility.

(Continued on Sheet No. 5-11.1)

Date Filed:	11-12-09	By:	Judy M. Pofert	Effective Date:	05-01-11
			President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/GR-09-1153			Order Date:	12-06-10

RT  
|  
RT

D

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

---

**INTERRUPTIBLE SERVICE (Continued)**

Section No. 5

**RATE CODES: SMALL 105 & 111, MEDIUM 106, LARGE 120**

2nd Revised Sheet No. 11.1

---

**RESOURCE ADJUSTMENT**

All customer bills under this rate are subject to the adjustment provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider and the Gas Utility Infrastructure Cost Rider.

N  
ND

**SURCHARGE**

In certain communities, customer bills under this rate are subject to surcharges provided for in a Surcharge Rider. See additional information on the Surcharge Rider in this section.

(Continued on Sheet No. 5-12)

---

Date Filed: 08-01-14

By: Christopher B. Clark

Effective Date: 02-01-15

President, Northern States Power Company, a Minnesota corporation

Docket No. G002/M-14-336

Order Date: 01-27-15

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**INTERRUPTIBLE SERVICE (Continued)**  
**RATE CODES: SMALL 105 & 111, MEDIUM 106, LARGE 120**

Section No. 5  
5th Revised Sheet No. 12

The following are additional terms and conditions for service under this tariff.

**LATE PAYMENT CHARGE**

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations in Section 6.

**ADDITIONAL CHARGE FOR UNAUTHORIZED USE OF GAS DURING SERVICE CURTAILMENT, INTERRUPTION, OR RESTRICTION**

If customer fails to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company, customer shall pay, in addition to the appropriate above rates, the higher of (i) \$5.00 per Therm, or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

R

For customers taking service on Company gas distribution systems connected to Northern Natural Gas Company (NNG). If NNG calls an operational flow order, system operation limitation (SOL) or critical day, the additional charge for unauthorized use will be equal to the Northern daily delivery variance charge or critical day charge in effect, as defined in NNG's tariff on Sheet No. 53, for such day multiplied by customer's unauthorized use volume.

For customers taking service on Company gas distribution systems connected to Viking Gas Transmission Company (VGT). If VGT calls an operational flow order, the additional charge for unauthorized use will be equal to the unauthorized overrun charge in VGT's Rate Schedule LMS in effect, as defined in VGT's tariff on Sheet No. 5C, for such day multiplied by customer's unauthorized use volume.

T

The payment of a penalty shall not, under any circumstances, be considered as giving the customer the right to take unauthorized gas. Nor shall such payment be considered to exclude or limit any other remedies available to the Company, including, but not limited to, shutting off customer's supply of gas in the event of customer's failure to curtail, interrupt, or restrict the use thereof when requested by Company to do so.

T  
T  
T

An interruptible customer's unauthorized use of gas during an interruption is a breach of the terms of service. Xcel Energy reserves the right to discontinue service for such unauthorized use of gas and/or move non-compliant customers to a different rate class. If an interruptible customer's service is reconnected following a breach of the terms of service or unauthorized use of gas, the customer will reimburse the company for the cost of reconnection.

N  
N  
N  
N  
N

(Continued on Sheet No. 5-13)

Date Filed: 06-27-14 By: David M. Sparby Effective Date: 11-01-14  
President and CEO of Northern States Power Company, a Minnesota corporation  
Docket No. G002/M-14-540 Order Date: 10-17-14

Northern States Power Company, a Minnesota corporation  
Minneapolis, Minnesota 55401

**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

---

**INTERRUPTIBLE SERVICE (Continued)**  
**RATE CODES: SMALL 105 & 111, MEDIUM 106, LARGE 120**

Section No. 5  
Original Sheet No. 13  
(Renumbered from 5-12a)

---

**PRIORITY CLASSIFICATION**

Priority 1(a) shall have first priority. Curtailment shall begin with Priority 9 and progress to Priority 1(a). Priority classifications are defined in the General Rules and Regulations.

N

**TERM OF AGREEMENT**

Service agreement shall be for a term of not less than one year. Upon expiration of term, agreement continues in force until terminated by at least 30 days' written notice by either party.

---

Date Filed:	11-12-09	By: Judy M. Pofert	Effective Date:	05-01-11
		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/GR-09-1153		Order Date:	12-06-10



## SMALL VOLUME INTERRUPTIBLE NATURAL GAS SALES AGREEMENT

This Agreement is between Minnesota Energy Resources Corporation (“MERC” or “Company”) and \_\_\_\_\_ (“Customer”).

It is hereby agreed as follows:

1. **Gas to be Sold.** Company hereby agrees to sell and deliver and customer hereby agrees to purchase and receive natural gas on an interruptible basis at the location and for the specific uses designated as follows: \_\_\_\_\_

2. **Terms of Sale.** Natural gas sold and delivered hereunder shall be furnished in accordance with Company’s Tariffs and the applicable regulations, terms and conditions of service (which by this reference are made a part hereof) as filed with the Minnesota Public Utility Commission, as modified from time to time by Company. Customer may inspect or obtain a copy of such rates, regulations, terms and conditions upon demand directed to Company’s office.

It is specifically agreed that Company shall have the right to make and to file with the regulatory authority of the state in accordance with the rules and regulations of such regulatory authority and the applicable statutes of the state, such changes in rates and new rates or rate schedules as are required to enable Company to recover its cost of service including a fair return.

3. **Interruptible Nature of Sale.** Delivery of natural gas hereunder is subject to curtailment or interruption whenever required by Company or its supplier for the protection of deliveries of firm gas or deliveries of other gas carrying a higher priority than that delivered hereunder. Customer recognizes the interruptible nature of the service and its need to either shut down its gas utilization equipment or switch to an alternate energy supply by means off alternate energy utilization equipment which is in place and operable.

Any volume of gas taken by a customer in excess of the authorized limitation specified by Company as a result of curtailment or interruption ordered hereunder shall be considered unauthorized volumes. Customer’s usage of unauthorized volumes is subject to penalties for unauthorized use in accordance with Company’s tariffs. Such charge will be in addition to the normal rate for volumes consumed unless such volumes were taken because of a *force majeure* operating situation. A *force majeure* operating situation is defined as a situation involving unintentional runaway takes of gas directly resulting from fire, flood, earthquake, storm, impact by a falling or out-of-control object, explosion, riot, vandalism, war or insurrection. In the event of a *force majeure* operating situation, Customer shall notify Company at once and shall furnish proof in writing that the taking of such unauthorized volumes was a direct result of the *force majeure* operating situation.

The payment for unauthorized volumes shall not give Customer the right to take



unauthorized volumes, nor shall such payment exclude or limit any other remedies, including the discontinuance and disconnection of service, available to Company against the Customer for failure to comply with its obligation to stay within its authorized limitations.

4. **Delivery Pressure.** Delivery of natural gas by Company shall be at such varying pressures as may exist under operating conditions in the pipeline of Company at the point of delivery.

5. **Term.** This Agreement shall become effective on \_\_\_\_\_, 20\_\_\_\_, and shall continue in effect until \_\_\_\_\_, 20\_\_\_\_, and unless terminated on such date, shall continue in effect thereafter until cancelled by either party on ninety (90) days' prior written notice.

6. **Request to Transfer to Non-Interruptible Service.** Customer agrees to take interruptible service for the period November 1 through October 31. Customer may not transfer to non-interruptible service until the next November 1st and must notify the Company in writing at least ninety days prior to the transfer. A customer may only transfer to firm sales service if Company is able to arrange adequate additional firm gas entitlements to meet the needs imposed on its system by the customer, without jeopardizing system reliability or increasing costs for its other customers. If Customer faces unforeseen circumstances that were not known ninety days prior to November 1, Customer may request a waiver of the notice requirement to allow Customer to transfer service. The Company has sole discretion to grant or deny such a request and may only grant such a request if the Company determines that (1) unforeseen circumstances prevented Customer from timely requesting to transfer service, (2) adequate gas supply and interstate pipeline capacity is available to serve Customer, and (3) the waiver will not result in any detriment to existing system sales customers. If the Company waives the notice requirement, the Company may require the customer to pay an exit fee to recover the costs related to a switch to or from service under this rate schedule. This exit fee may include, but is not limited to, any above market gas commodity costs, any interstate pipeline transportation and/or storage costs, and any other demand costs.

7. **Notices.** Notices to Company under this Agreement shall be addressed to it at its State office at Minnesota Energy Resources Corporation, 1995 Rahncliff Ct., Suite 200, Eagan, Minnesota 55122-3401 and notices to Customer, including notices of interruption as specified in Company's tariff terms and conditions, shall be directed to:

Title of person to be notified: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Address: \_\_\_\_\_

Either party may change its address or person to receive notice under this section at any time upon written notice.

8. **Succession and Assignment.** This Agreement and each of its terms shall bind





and inure to the benefit of the parties hereto, their respective successors and assigns.

9. **Regulatory Commission Authority.** This Agreement is subject to, and conditioned upon, Company and/or its supplier, securing the necessary approval of any regulatory authorities having jurisdiction, for the sale of the natural gas contemplated hereunder, and the construction and operation of the necessary facilities required to deliver said natural gas.

The parties have executed this Agreement as evidenced by their signatures below.

“Company”

“Customer”

Minnesota Energy Resources Corporation (“MERC”)

\_\_\_\_\_  
(print name)

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

## RATE SCHEDULE SVI-NNG SMALL VOLUME INTERRUPTIBLE SERVICE

1. Availability: Service under this rate schedule is available to towns and to related rural areas supplied through Northern Natural Gas in MERC's Minnesota Service Area.
2. Applicability and Character of Service: This rate schedule shall apply to small volume gas service which is subject to interruption at any time upon order of MERC. Daily consumption should not exceed 199 dekatherms on any day. Customer must have and maintain both the proven capability and adequate fuel supplies to use alternative fuel if MERC's service to such customer is interrupted. At MERC's request, the customer must demonstrate that it has such capability and fuel supplies. If customer or MERC thinks customer's maximum daily consumption is 200 dekatherms per day or more, usage will be monitored by the MERC to determine whether the customer qualifies for large volume service. Interruptible service is available to a Human Needs Customer only if the customer has signed an affidavit that it has and will maintain both the proven capability and adequate fuel supplies to use alternate fuel if MERC's service to such customer is interrupted. At MERC's request, the customer must demonstrate that it has such capability and fuel supplies. A firm customer may transfer to interruptible service for the period November 1 through October 31 after giving the Company ninety days advance notice prior to November 1. An interruptible customer may not return to firm service until the next November 1st and must notify the Company in writing at least ninety days prior to the transfer. A customer may only transfer to firm sales service if Company is able to arrange adequate additional firm gas entitlements to meet the needs imposed on its system by the customer, without jeopardizing system reliability or increasing costs for its other customers.
3. Joint Gas Service: Customer has the option to obtain joint gas service consisting of a base of firm gas volume, supplemented by interruptible volumes not to exceed 199 dekatherms per day. A customer may transfer to joint gas service for the period November 1 through October 31 after giving the Company ninety days advance notice prior to November 1. A joint customer must maintain joint gas service and must nominate a DFC for the entire November through October period. A joint customer may not return to interruptible or firm service until the next November 1st and must notify the Company in writing at least ninety days prior to the transfer. A customer may only transfer to firm sales service if Company is able to arrange adequate additional firm gas entitlements to meet the needs imposed on its system by the customer, without jeopardizing system reliability or increasing costs for its other customers. If a customer wishes to obtain or maintain joint gas service, the customer or the customers' brokers must provide the Company with details as to the amount of firm capacity purchased to date in a calendar year on the interstate pipeline by August 1. If a customer or its broker provides this information, the Company will take this information into account when evaluating the upcoming heating season. This information will allow the Company to reconcile the amounts purchased for firm capacity from these joint customers on the interstate pipeline with the capabilities of the Company's distribution system for the upcoming heating season.

## RATE SCHEDULE SVI-NNG SMALL VOLUME INTERRUPTIBLE SERVICE (Continued)

4. Transfer of Service: If Customer faces unforeseen circumstances that were not known ninety days prior to November 1, Customer may request a waiver of the notice requirement to allow Customer to transfer service. The Company has sole discretion to grant or deny such a request and may only grant such a request if the Company determines that (1) unforeseen circumstances prevented Customer from timely requesting to transfer service, (2) adequate gas supply and interstate pipeline capacity is available to serve Customer, and (3) the waiver will not result in any detriment to existing system sales customers. If the Company waives the notice requirement, the Company may require the customer to pay an exit fee to recover the costs related to a switch to or from service under this rate schedule. This exit fee may include, but is not limited to, any above market gas commodity costs, any interstate pipeline transportation and/or storage costs, and any other demand costs.
5. Rates:
- A. Per month: Customer Charge \$165.00 per meter  
Base rate of gas @ \$0.37406 (MERC-NNG) per therm  
Distribution charge @ \$0.09740 per therm
  - B. The base rate for DFC shall be \$0.10428 per therm, if the customer has elected to obtain joint gas service per section 3 above. See Sheet No. 7.07 for rate details.
  - C. Late Payment Charge: If the unpaid balance is in excess of \$10, a late payment charge of 1.5% of the unpaid balance or \$1 whichever is greater shall be added to the unpaid balance if the bill is not paid by the next billing date, for residential and Even Pay Plan customers, or within 17 days of the current billing date for nonresidential customers. For residential customers, the next billing date must not be less than 25 days from the current billing date. No late payment charge will be made if the unpaid balance is \$10 or less.
  - D. Rates set forth above are base rates subject to change in accordance with the provisions of Purchase Gas Adjustment Uniform Clause.
- Interim Rate Adjustment: A customer charge interim rate adjustment on the bill will be calculated by multiplying the current customer charge by 6.68%. A per therm interim rate adjustment will be calculated by multiplying the current distribution charge by 6.68%. For customers receiving joint service, a per therm interim rate adjustment for daily firm capacity will be calculated by multiplying the current rate margin of \$0.30 by 6.68 %. The combined effect of these interim rate adjustments will be shown as a single line item on the customer bill.
- Volume Adjustment: Rates are based on gas with the equivalent heating value of 1000 Btu's. Volumes may be subject to a Btu variance adjustment pursuant to designation 2.A of MERC's General Rules, Regulations, Terms and Conditions. Btu's will be calculated on an arithmetic average.
5. Monthly Minimum Bill: The monthly minimum bill is the customer charge, the daily firm capacity charge, if any, and the applicable commodity charge for all volumes taken.
6. Penalty For Unauthorized Takes When Service Is Interrupted: Applicable rate in Paragraph "4" plus either the charge from pipeline (see Sheet 6.50) or \$50.00 per dekatherm so taken, whichever is applicable.

## RATE SCHEDULE SVI-NNG SMALL VOLUME INTERRUPTIBLE SERVICE (Continued)

7. Telemetry: Customers other than farm tap customers must install telemetry equipment. Customer shall reimburse Company for all costs incurred by Company to install and maintain telemetry equipment or other related improvements. Any such equipment and improvements shall remain the property of Company.
8. General Terms and Conditions: The General Terms and Conditions contained in this tariff shall apply to this rate schedule.
9. Remarks: Reflects interim rates at Docket No. G011/GR-17-563. If the total amount of the rate increase approved at the end of the Company's rate case is lower than the total amount of interim rates collected, the Company will refund the difference with interest, and if the total amount of final rates is higher than the total amount of interim rates, the Company will not charge customers for the difference.

CANCELED

Issued By: Theodore Eidukas  
Vice President-Regulatory Affairs  
Submittal Date: March 10, 2017

\*Effective Date: March 1, 2017  
Proposed Effective Date: March 1, 2017

\*Effective with bills issued on and after this date.

## RATE SCHEDULE SVI-CONSOLIDATED SMALL VOLUME INTERRUPTIBLE SERVICE

1. Availability: Service under this rate schedule is available to towns and to related rural areas supplied through Viking Gas Transmission, Great Lakes Gas Transmission, and Centra in MERC's Minnesota Service Area.
2. Applicability and Character of Service: This rate schedule shall apply to small volume gas service which is subject to interruption at any time upon order of MERC. Daily consumption should not exceed 199 dekatherms on any day. Customer must have and maintain both the proven capability and adequate fuel supplies to use alternative fuel if MERC's service to such customer is interrupted. At MERC's request, the customer must demonstrate that it has such capability and fuel supplies. If customer or MERC thinks customer's maximum daily consumption is 200 dekatherms per day or more, usage will be monitored by MERC to determine whether the customer qualifies for large volume service. Interruptible service is available to a Human Needs Customer only if the customer has signed an affidavit that it has and will maintain both the proven capability and adequate fuel supplies to use alternate fuel if MERC's service to such customer is interrupted. At MERC's request, the customer must demonstrate that it has such capability and fuel supplies. A firm customer may transfer to interruptible service for the period November 1 through October 31 after giving the Company ninety days advance notice prior to November 1. An interruptible customer may not return to firm service until the next November 1st and must notify the Company in writing at least ninety days prior to the transfer. A customer may only transfer to firm sales service if Company is able to arrange adequate additional firm gas entitlements to meet the needs imposed on its system by the customer, without jeopardizing system reliability or increasing costs for its other customers. If Customer faces unforeseen circumstances that were not known ninety days prior to November 1, Customer may request a waiver of the notice requirement to allow Customer to transfer service. The Company has sole discretion to grant or deny such a request and may only grant such a request if the Company determines that (1) unforeseen circumstances prevented Customer from timely requesting to transfer service, (2) adequate gas supply and interstate pipeline capacity is available to serve Customer, and (3) the waiver will not result in any detriment to existing system sales customers. If the Company waives the notice requirement, the Company may require the customer to pay an exit fee to recover the costs related to a switch to or from service under this rate schedule. This exit fee may include, but is not limited to, any above market gas commodity costs, any interstate pipeline transportation and/or storage costs, and any other demand costs.
3. Joint Gas Service: Customer has the option to obtain joint gas service consisting of a base of firm gas volume, supplemented by interruptible volumes not to exceed 199 dekatherms per day. A customer may transfer to joint gas service for the period November 1 through October 31 after giving the Company ninety days advance notice prior to November 1. A joint customer must maintain joint gas service and must nominate a Daily Firm Capacity ("DFC") for the entire November through October period. A joint customer may not return to interruptible or firm service until the next November 1st and must notify the Company in writing at least ninety days prior to the transfer. A customer may only transfer to firm sales service if Company is able to arrange adequate additional firm gas entitlements to meet the needs imposed on its system by the customer, without jeopardizing system reliability or increasing costs for its other customers. If a customer wishes to obtain or maintain joint gas service, the customer or the customers' brokers must provide the Company with details as to the amount of firm capacity purchased to date in a calendar year on the interstate pipeline by August 1. If a customer or its broker provides this information, the Company will take this information into account when evaluating the upcoming heating season. This information will allow the Company to reconcile the amounts purchased for firm capacity from these joint customers on the interstate pipeline with the capabilities of the Company's distribution system for the upcoming heating season.

Issued By: Theodore Eidukas  
Vice President-Regulatory Affairs

\*Effective Date: March 1, 2017  
Proposed Effective Date: March 1, 2017

Submittal Date: March 10, 2017

\*Effective with bills issued on and after this date.

## RATE SCHEDULE SVI-CONSOLIDATED SMALL VOLUME INTERRUPTIBLE SERVICE (Continued)

4. Transfer of Service: If Customer faces unforeseen circumstances that were not known ninety days prior to November 1, Customer may request a waiver of the notice requirement to allow Customer to transfer service. The Company has sole discretion to grant or deny such a request and may only grant such a request if the Company determines that (1) unforeseen circumstances prevented Customer from timely requesting to transfer service, (2) adequate gas supply and interstate pipeline capacity is available to serve Customer, and (3) the waiver will not result in any detriment to existing system sales customers. If the Company waives the notice requirement, the Company may require the customer to pay an exit fee to recover the costs related to a switch to or from service under this rate schedule. This exit fee may include, but is not limited to, any above market gas commodity costs, any interstate pipeline transportation and/or storage costs, and any other demand costs.

5. Rates:

A. Per month: Customer Charge \$165.00 per meter  
Base rate of gas @ \$0.31575 (MERC-Consolidated) per therm  
Distribution charge @ \$0.09740 per therm

B. The base rate for DFC shall be \$0.08482 per therm, if the customer has elected to obtain joint gas service per section 3 above. See Sheet No. 7.07 for rate details.

Interim Rate Adjustment: A customer charge interim rate adjustment on the bill will be calculated by multiplying the current customer charge by 6.68%. A per therm interim rate adjustment will be calculated by multiplying the current distribution charge by 6.68%. For customers receiving joint service, a per therm interim rate adjustment for daily firm capacity will be calculated by multiplying the current rate margin of \$0.30 by 6.68%. The combined effect of these interim rate adjustments will be shown as a single line item on the customer bill.

C. Late Payment Charge: If the unpaid balance is in excess of \$10, a late payment charge of 1.5% of the unpaid balance or \$1 whichever is greater shall be added to the unpaid balance if the bill is not paid by the next billing date, for residential and Even Pay Plan customers, or within 17 days of the current billing date for nonresidential customers. For residential customers, the next billing date must not be less than 25 days from the current billing date. No late payment charge will be made if the unpaid balance is \$10 or less.

D. Rates set forth above are base rates subject to change in accordance with the provisions of Purchase Gas Adjustment Uniform Clause.

6. Volume Adjustment: Rates are based on gas with the equivalent heating value of 1000 Btu's. Volumes may be subject to a Btu variance adjustment pursuant to designation 2.A of MERC's General Rules, Regulations, Terms and Conditions. Btu's will be calculated on an arithmetic average.

5. Monthly Minimum Bill: The monthly minimum bill is the customer charge, the daily firm capacity charge, if any, and the applicable commodity charge for all volumes taken.

6. Penalty For Unauthorized Takes When Service Is Interrupted: Applicable rate in Paragraph "5" plus either the charge from pipeline (see Sheet 6.50) or \$50.00 per dekatherm so taken, whichever is applicable.
7. Telemetry: Customer must install telemetry equipment. Customer shall reimburse Company for all costs incurred by Company to install and maintain telemetry equipment or other related improvements. Any such equipment and improvements shall remain the property of Company.
8. General Terms and Conditions: The General Terms and Conditions contained in this tariff shall apply to this rate schedule.
9. Remarks: Reflects interim rates at Docket No. G011/GR-17-563 If the total amount of the rate increase approved at the end of the Company's rate case is lower than the total amount of interim rates collected, the Company will refund the difference with interest, and if the total amount of final rates is higher than the total amount of interim rates, the Company will not charge customers for the difference.



CANCELED

## RATE SCHEDULE SVI- MERC ALBERT LEA SMALL VOLUME INTERRUPTIBLE SERVICE

1. Availability: Service under this rate schedule is available to towns and to related rural areas previously served by Interstate Power and Light Company and supplied through Northern Natural Gas in MERC's Minnesota Service Area.
2. Applicability and Character of Service: This rate schedule shall apply to small volume gas service which is subject to interruption at any time upon order of MERC. Daily consumption should not exceed 199 dekatherms on any day. Customer must have and maintain both the proven capability and adequate fuel supplies to use alternative fuel if MERC's service to such customer is interrupted. At MERC's request, the customer must demonstrate that it has such capability and fuel supplies. If customer or MERC thinks customer's maximum daily consumption is 200 dekatherms per day or more, usage will be monitored by MERC to determine whether the customer qualifies for large volume service. Interruptible service is available to a Human Needs Customer only if the customer has signed an affidavit that it has and will maintain both the proven capability and adequate fuel supplies to use alternate fuel if MERC's service to such customer is interrupted. At MERC's request, the customer must demonstrate that it has such capability and fuel supplies. A firm customer may transfer to interruptible service for the period November 1 through October 31 after giving the Company ninety days advance notice prior to November 1. An interruptible customer may not return to firm service until the next November 1st and must notify the Company in writing at least ninety days prior to the transfer. A customer may only transfer to firm sales service if Company is able to arrange adequate additional firm gas entitlements to meet the needs imposed on its system by the customer, without jeopardizing system reliability or increasing costs for its other customers.
3. Joint Gas Service: Customer has the option to obtain joint gas service consisting of a base of firm gas volume, supplemented by interruptible volumes not to exceed 199 dekatherms per day. A customer may transfer to joint gas service for the period November 1 through October 31 after giving the Company ninety days advance notice prior to November 1. A joint customer must maintain joint gas service and must nominate a Daily Firm Capacity ("DFC") for the entire November through October period. A joint customer may not return to interruptible or firm service until the next November 1st and must notify the Company in writing at least ninety days prior to the transfer. A customer may only transfer to firm sales service if Company is able to arrange adequate additional firm gas entitlements to meet the needs imposed on its system by the customer, without jeopardizing system reliability or increasing costs for its other customers. If a customer wishes to obtain or maintain joint gas service, the customer or the customers' brokers must provide the Company with details as to the amount of firm capacity purchased to date in a calendar year on the interstate pipeline by August 1. If a customer or its broker provides this information, the Company will take this information into account when evaluating the upcoming heating season. This information will allow the Company to reconcile the amounts purchased for firm capacity from these joint customers on the interstate pipeline with the capabilities of the Company's distribution system for the upcoming heating season.

**RATE SCHEDULE SVI-MERC ALBERT LEA SMALL VOLUME INTERRUPTIBLE SERVICE**  
 (Continued)

4. Transfer of Service: If Customer faces unforeseen circumstances that were not known ninety days prior to November 1, Customer may request a waiver of the notice requirement to allow Customer to transfer service. The Company has sole discretion to grant or deny such a request and may only grant such a request if the Company determines that (1) unforeseen circumstances prevented Customer from timely requesting to transfer service, (2) adequate gas supply and interstate pipeline capacity is available to serve Customer, and (3) the waiver will not result in any detriment to existing system sales customers. If the Company waives the notice requirement, the Company may require the customer to pay an exit fee to recover the costs related to a switch to or from service under this rate schedule. This exit fee may include, but is not limited to, any above market gas commodity costs, any interstate pipeline transportation and/or storage costs, and any other demand costs.
5. Rates:
- A. Per month: Customer Charge \$89.50 per month  
 Base rate of gas @ \$0.37406(MERC-NNG) per therm  
 Distribution charge @ \$0.09740 per therm
- B. The base rate for DFC shall be \$0.10428 per therm, if the customer has elected to obtain joint gas service per Section 3 above. See Sheet No. 7.07 for rate details.
- Interim Rate Adjustment: A customer charge interim rate adjustment on the bill will be calculated by multiplying the current customer charge by 6.68%. A per therm interim rate adjustment will be calculated by multiplying the current distribution charge by 6.68%. For customers receiving joint service, a per therm interim rate adjustment for daily firm capacity will be calculated by multiplying the current rate margin of \$0.30 by 6.68%. The combined effect of these interim rate adjustments will be shown as a single line item on the customer bill
- C. Late Payment Charge: If the unpaid balance is in excess of \$10, a late payment charge of 1.5% of the unpaid balance or \$1 whichever is greater shall be added to the unpaid balance if the bill is not paid by the next billing date, for residential and Even Pay Plan customers, or within 17 days of the current billing date for nonresidential customers. For residential customers, the next billing date must not be less than 25 days from the current billing date. No late payment charge will be made if the unpaid balance is \$10 or less.
- D. Rates set forth above are base rates subject to change in accordance with the provisions of Purchase Gas Adjustment Uniform Clause.
6. Volume Adjustment: Rates are based on gas with the equivalent heating value of 1000 Btu's. Volumes may be subject to a Btu variance adjustment pursuant to designation 2.A of MERC's General Rules, Regulations, Terms and Conditions. Btu's will be calculated on an arithmetic average.
7. Monthly Minimum Bill: The monthly minimum bill is the customer charge, the daily firm capacity charge, if any, and the applicable commodity charge for all volumes taken.
8. Penalty For Unauthorized Takes When Service Is Interrupted: Applicable rate in Paragraph "5" plus either the charge from pipeline (see Sheet 6.50) or \$50.00 per dekatherm so taken, whichever is applicable.

Issued By: Theodore Eidukas  
 Vice President-Regulatory Affairs

Submittal Date: March 21, 2018

\*Effective with bills issued on and after this date.

\*Effective Date: April 1, 2018  
 Proposed Effective Date: April 1, 2018

Minnesota Energy Resources Corporation

MINNESOTA PUBLIC UTILITIES COMMISSION  
Original Sheet No. 5.19a

RATE SCHEDULE SVI-MERC ALBERT LEA SMALL VOLUME INTERRUPTIBLE SERVICE  
(Continued)

7. Telemetry: Customer must install telemetry equipment. Customer shall reimburse Company for all costs incurred by Company to install and maintain telemetry equipment or other related improvements. Any such equipment and improvements shall remain the property of Company.
8. General Terms and Conditions: The General Terms and Conditions contained in this tariff shall apply to this rate schedule.
9. Remarks: Reflects interim rates at Docket No. G011/GR-17-563. If the total amount of the rate increase approved at the end of the Company's rate case is lower than the total amount of interim rates collected, the Company will refund the difference with interest, and if the total amount of final rates is higher than the total amount of interim rates, the Company will not charge customers for the difference.

Issued By: Theodore Eidukas  
Vice President-Regulatory Affairs  
Submittal Date: October 13, 2017

\*Effective with bills issued on and after this date.

\*Effective Date: January 1, 2018  
Proposed Effective Date: January 1, 2018

**Availability:**

Service under this rate schedule is available to any interruptible general gas service customer, located in Great Plains' Minnesota South District Service Area (Belview, Boyd, Clarkfield, Danube, Dawson, Echo, Granite Falls, Marshall, Montevideo, Redwood Falls, Renville, Sacred Heart and Wood Lake), whose normal annual interruptible requirements exceed 1,000 dk but do not exceed 20,000 dk. Customer must satisfy Company of their ability and willingness to discontinue the use of said gas during period of curtailment or interruption, by the use of standby facilities, or suffering plant shutdown. The rates herein are applicable only to customer's interruptible load. Customer's firm natural gas requirements must be separately metered or specified in a firm service agreement. The firm service volumes are subject to available capacity. Customer's firm load shall be billed at Firm General Service Rate 70. For interruptible purposes, the maximum daily firm requirement shall be set forth in the firm service agreement.

**Rate:**

Basic Service Charge:           \$145.00 per month

Distribution Charge:           \$1.1444 per dk

Base Cost of Gas:               \$2.8599 per dk

**Minimum Bill:**

Basic Service Charge.

**Cost of Gas:**

The billed cost of gas represents the Base Cost of Gas identified above adjusted by the Purchased Gas Cost Adjustment provided for in the Purchased Gas Cost Adjustment Clause (Sheet No. 5-62).

**Conservation Improvement Program:**

Bills are subject to the currently effective Conservation Improvement Program Adjustment as provided for in the Conservation Improvement Program Adjustment Clause (Sheet No. 5-110).

**Revenue Decoupling Mechanism:**

All customer bills under this rate are subject to the Revenue Decoupling Mechanism, Sheet No. 5-125.

**Gas Utility Infrastructure Cost Adjustment:**

Bills are subject to the currently effective Gas Utility Infrastructure Cost Adjustment charge as provided in the Gas Utility Infrastructure Cost Adjustment Tariff, Sheet No. 5-130.

**Measurement Unit for Billing Purposes:**

Customer's metered consumption will be adjusted to decatherms in accordance with the General Terms and Conditions, Section 6, Paragraph V.12.

**Late Payment Charge:**

If the unpaid balance is in excess of \$10.00, a late payment charge of 1.5% of the unpaid balance or \$1.00, whichever is greater, shall be added to the unpaid balance if the bill is not paid within 22 days of the current billing date. No late payment charge will be assessed if the unpaid balance is \$10.00 or less.

**Conditions of Service:**

1. **PRIORITY OF SERVICE** – Deliveries of gas under this schedule shall be subject at all times to the prior demands of customers served on firm gas service rates. Customers taking service hereunder agree that the Company, without prior notice, shall have the right to curtail or interrupt such service, in Company's sole judgment, it may be necessary to do so to protect the interest of its customers whose capacity requirements are otherwise and hereby given preference. The priority of service and allocation of capacity shall be accomplished in accordance with the General Terms and Conditions of Service, Section 6, Paragraph V.17.
2. **PENALTY FOR FAILURE TO CURTAIL OR INTERRUPT** – If customer fails to curtail or interrupt their use of gas hereunder when requested to do so by the Company, any gas taken shall be billed at the Firm General Gas Service Rate \$70(distribution delivery charge and cost of gas), plus either an amount equal to any charges the Company is required to pay to interconnecting pipeline(s) under the terms of its contract(s) as a result of such failure to curtail or interrupt, or \$50.00 per dk of gas used in excess of the volume of gas to which customer was requested to curtail or interrupt, whichever amount is greater. The Company, in its discretion, may shut off customer's supply of gas in the

event of customer's failure to curtail or interrupt use of gas when requested to do so by the Company.

3. **AGREEMENT** – Customer will be required to enter into an agreement for service hereunder for a minimum term of 12 months. Written notice of termination by either Company or customer must be given at least 60 days prior to the end of the initial term. Absent such termination notice, the agreement shall continue for additional terms of equal length until written notice is given, as provided herein, prior to the end of any subsequent term. Upon expiration of service, the customer may apply for and receive, at the sole discretion of the Company, gas service under this rate or another appropriate rate schedule for the customer's operations.
4. **OBLIGATION TO NOTIFY COMPANY OF CHANGE IN DAILY OPERATIONS** – Customer will be required as specified in the service agreement to notify Company of an anticipated change in daily operations. Failure to comply with requirements specified in the service agreement may result in the assessment of penalties to the customer equal to the penalty amount the Company must pay to the interconnecting pipeline caused by customer's action.
5. **METERING REQUIREMENTS** – Remote data acquisition equipment (telemetry equipment) if required for daily measurement will be purchased and installed by the Company, prior to the initiation of service hereunder. The cost of the equipment and its installation shall be paid for by the customer. Such contribution in aid, as adjusted for federal and state income taxes, must be paid prior to the installation of such equipment unless otherwise agreed to by the Company. Such equipment will be maintained by the Company and will remain the sole property of the Company. The Company may remove such equipment when service hereunder is terminated.

The customer may be required to provide and maintain, at no cost to Company: A 120 volt, 15 ampere, AC power supply, and an acceptable telephone service available at customer's meter location(s). The services listed above shall be continuous, accessible to the Company, and be provided by the customer at no cost to the Company. Enhancements and/or modifications to these services may be required to ensure equipment functionality. Such enhancements or modifications shall be completed at the direction of the Company with all associated costs the customer's

responsibility. Any interruption in such services must be promptly remedied or service under this tariff will be suspended until satisfactory corrections have been made.

Consultation between the customer and the Company regarding telemetering requirements shall occur prior to execution of the required service agreement. The telemetering requirement will be determined at the sole discretion of the Company based on customer requirements and location.

The Company reserves the right to charge for each service call to investigate, repair, reprogram, or reinstall the Company's telemetering equipment when the service call is the result of a failure or change in communication or power source services described above or damage to Company's equipment.

**General Terms and Conditions:**

The General Terms and Conditions contained in this tariff shall apply to this rate schedule.



**Availability:**

Service under this rate schedule is available to any interruptible general gas service customer located in Great Plains' Minnesota South District Service Area (Belview, Boyd, Clarkfield, Danube, Dawson, Echo, Granite Falls, Marshall, Montevideo, Redwood Falls, Renville, Sacred Heart, and Wood Lake), whose interruptible natural gas load will exceed 20,000 dk annually as metered at a single delivery point. The rates herein are applicable only to customer's interruptible load. Customer's firm natural requirements must be separately metered or specified in a firm service agreement. The firm service volumes are subject to available capacity. Customer's firm load shall be billed at Firm General Gas Service Rate 70. For interruption purposes, the maximum daily firm requirement shall be set forth in the firm service agreement. Customer must satisfy Company, of their ability and willingness to discontinue the use of said gas during period of curtailment or interruption, by the use of standby facilities, or suffering plant shutdown.

**Rate:**

Basic Service Charge:       \$230.00 per month

Distribution Charge:       \$0.5763 per dk

Base Cost of Gas:           \$2.8599 per dk

Flexible Distribution Charge per dk:

Company and customer will agree to a price between \$0.0560 and \$1.0966 per dk. Unless otherwise agreed, a five-day notice of price change shall be provided.

The flexible rate is available only to those customers whose normal daily requirements are in excess of 199 dk. The Company shall not offer or impose a flexible rate to customers with energy supplies consisting of indigenous biomass from a supplier not regulated by the Commission.

Customers are normally served on the fixed rate, but will be placed on the flexible rate if a qualifying customer requests flexible rate service and (1) for pricing reasons, the customer uses a non-gas alternate energy

supply/service from a supplier not regulated by the Commission or (2) the customer uses gas from a supplier not regulated by the Commission.

If Company and customer cannot agree to a flexible rate and customer continues to use gas, customer shall be charged the maximum allowable flexible rate, plus all other applicable charges.

**Minimum Bill:**

Basic Service Charge.

**Cost of Gas:**

The billed cost of gas represents the Base Cost of Gas identified above adjusted by the Purchased Gas Cost Adjustment provided for in the Purchased Gas Cost Adjustment Clause (Sheet No. 5-62).

**Conservation Improvement Program:**

Bills are subject to the currently effective Conservation Improvement Program Adjustment as provided for in the Conservation Improvement Program Adjustment Clause (Sheet No. 5-110).

**Revenue Decoupling Mechanism:**

All customers billed under this rate schedule, with the exception of customers deemed to be CIP exempted or served under a flexible distribution rate agreement, are subject to the Revenue Decoupling Mechanism, Sheet No. 5-125.

**Gas Utility Infrastructure Cost Adjustment:**

Bills are subject to the currently effective Gas Utility Infrastructure Cost Adjustment charge as provided in the Gas Utility Infrastructure Cost Adjustment Tariff, Sheet No. 5-130. Customers served under a flexible distribution rate agreement are excluded from this provision.

**Measurement Unit for Billing Purposes:**

Customer's metered consumption will be adjusted to decatherms in accordance with the General Terms and Conditions, Section 6, Paragraph V.12.

**Late Payment Charge:**

If the unpaid balance is in excess of \$10.00, a late payment charge of 1.5% of the unpaid balance or \$1.00, whichever is greater, shall be added to the unpaid balance if the bill is not paid within 22 days of the current billing date. No late

payment charge will be made if the unpaid balance is \$10.00 or less.

**Conditions of Service:**

1. **PRIORITY OF SERVICE** – Deliveries of gas under this schedule shall be subject at all times to the prior demands of customers served on the Company's firm gas service rates. Customers taking service hereunder agree that the Company, without prior notice, shall have the right to curtail or to interrupt whenever, in Company's sole judgment, it may be necessary to do so to protect the interest of its customers whose capacity requirements are otherwise and hereby given preference. The priority of service and allocation of capacity shall be accomplished in accordance with the provisions of General Terms and Conditions, Section 6, Paragraph V.17.
2. **PENALTY FOR FAILURE TO CURTAIL OR INTERRUPT** – If customer fails to curtail or interrupt their use of gas hereunder when requested to do so by the Company, any gas taken shall be billed at the Firm General Gas Service Rate \$70 (distribution delivery charge and cost of gas), plus either an amount equal to any penalty payment(s) or overrun charges the Company is required to pay to interconnecting pipeline(s) under the terms of its contract(s) as a result of such failure to curtail or interrupt, or \$50.00 per dk of gas used in excess of the volume of gas to which customer was requested to curtail or interrupt, whichever amount is greater. The Company, in its discretion, may shut off customer's supply of gas in the event of customer's failure to curtail or interrupt use of gas when requested to do so by the Company.
3. **AGREEMENT** – Customer will be required to enter into an agreement for service hereunder for a minimum term of 12 months. Written notice of termination by either Company or customer must be given at least 60 days prior to the end of the initial term. Absent such termination notice, the agreement shall continue for additional terms of equal length until written notice is given, as provided herein, prior to the end of any subsequent term. Upon expiration of service, the customer may apply for and receive, at the sole discretion of the Company, gas service under this rate or another appropriate rate schedule for the customer's operations.
4. **OBLIGATION TO NOTIFY COMPANY OF CHANGE IN DAILY OPERATIONS** – Customer will be required as specified in the service agreement to notify Company of an anticipated change in daily operations. Failure to comply with requirements specified in the service agreement may result in the assessment of penalties to the

customer equal to any charges Company must pay to the interconnecting pipeline caused by customer's action.

5. **METERING REQUIREMENTS** – Remote data acquisition equipment (telemetry equipment) if required for daily measurement will be installed by the Company, prior to the initiation of service hereunder.

The cost of the equipment and its installation shall be paid for by the customer. Such contribution in aid, as adjusted for federal and state income taxes, must be paid prior to the installation of such equipment unless otherwise agreed to by the Company. Such equipment will be maintained by the Company and will remain the sole property of the Company. Company may remove such equipment when service hereunder is terminated.

The customer shall be required to provide and maintain, at no cost to Company the following; A 120 volt, 15 ampere, AC power supply; and an acceptable telephone service available at customer's meter location(s). The services listed above shall be continuous, accessible to the Company, and be provided by the Customer at no cost to the Company. Enhancements and/or modifications to these services maybe require to ensure equipment functionality. Such enhancements or modifications shall be completed at the direction of the Company with all associated costs the customer's responsibility.

Any interruption in such services must be promptly remedied or service under this tariff will be suspended until satisfactory corrections have been made.

Consultation between the customer and the Company regarding telemetry requirements shall occur prior to execution of the required service agreement. The telemetry requirement will be determined at the sole discretion of the Company based on customer requirements and location.

The Company reserves the right to charge for each service call to investigate, repair, reprogram, or reinstall the Company's telemetry equipment when the service call is the result of a failure or change in communication or power source services described above or damage to Company's equipment.

**General Terms and Conditions:**

The General Terms and Conditions contained in this tariff shall apply to this rate schedule.

**Greater Minnesota Gas, Inc.  
St. Peter, Minnesota 56082  
Gas Rate Book**

---

**General Interruptible Service  
Rate Code IND1**

Section V  
3<sup>rd</sup> Revised Sheet No. 13

---

**Availability**

Available on an interruptible basis to any commercial or industrial customer in All Rate Areas and shall be applied to all commercial and industrial customers for the purpose of providing construction heat during the winter months of December, January, and February.

Customer will agree to:

1. Curtail use within one hour after Company notification,
2. Provide and maintain suitable and adequate alternate fuel capable standby facilities, and
3. Have access to sufficient standby alternate fuel for periods of curtailment of the delivery of gas sold hereunder.

If a portion of a customer's usage is for processing or manufacturing, and curtailment would not be in violation of codes, then requirements (2) and (3) above shall not apply to that portion. If customer agrees to confine the use of natural gas for specified end uses under this rate to the months of April through October in any calendar year, requirements (2) and (3) above shall not apply. However, any use under this rate is still curtailable at Company option.

**Applicability and Character of Service**

Rate schedule applies to interruptible gas service for Customers, and construction heating during the winter months of December, January, and February.

Delivery of gas hereunder shall be subject to curtailment whenever requested by the Company. Service may be provided through a Company owned meter with telemetering or other automated meter reading capabilities installed.

**Therm Adjustment**

Customer's consumption in Ccf will be adjusted to reflect 1,000 Btu per cubic foot, base pressure 14.73 PSIA, and a gas temperature of 60 degrees Fahrenheit.

**Rate**

Facility Fee per Month	\$275.00
Distribution Charge per CCF	\$0.251310
Base Cost of Gas per CCF	\$0.588013

Flexible Distribution Charge. Company and customer will agree to a price between \$0.0300 and \$0.25131 per CCF. Unless otherwise agreed, a five day notice of price change shall be provided.

Service on the Flexible Rate. Customers are normally served on a fixed rate but will be placed on the flexible rate if: (1) the customer requests flexible rate service, (2) for pricing reasons, the customer uses an on-gas alternate energy supply/service from a supplier not regulated by the Commission, or (3) the customer uses gas from a supplier not regulated by the Commission.

(Continued on Sheet No. V-14)

---

Date Filed: August 31, 2010  
By: Michael L. Jablonske  
President

Effective Date: November 1, 2010

Docket No. G022/GR-09-962

Order Date: August 19, 2010

**Greater Minnesota Gas, Inc.  
St. Peter, Minnesota 56082  
Gas Rate Book**

---

**General Interruptible Service (Continued)  
Rate Code IND1**

Section V  
4<sup>th</sup> Revised Sheet No. 14

---

Returning to the Fixed Rate. A customer who has been on the flexible rate for at least six months can give the Company notice that in an additional six months customer wishes to return to the fixed rate. The notice is made void if the customer thereafter voluntarily uses an alternate fuel or service.

Flexible Rate Exemption. The Company shall not offer or impose the flexible rate in competition with indigenous biomass energy.

Non-Agreement Penalties. If Company and customer cannot agree to a flexible distribution charge and customer nonetheless uses gas then customer shall be charged the maximum allowable flexible distribution charge, plus all other applicable charges and penalties.

**Determination of Cost of Gas**

The billed Cost of Gas is the above Base Cost of Gas adjusted by the Purchased Gas Adjustment as provided for in the Purchased Gas Adjustment Clause.

**Monthly Minimum Charge**

Facility Fee

**Additional Charge for Unauthorized use of Gas During Service Curtailment, Interruption, or Restriction**

If customer fails to curtail, interrupt, or otherwise restrict use of gas hereunder when requested to do so by Company, customer shall pay, in addition to the appropriate rates above, the higher of (i) \$5.00 per CCF, or (ii) and amount equal to any payment Company is required to make to its transporting pipeline, Northern Natural Gas (NNG), as a result of such failure to curtail, interrupt, or restrict service as follows:

If NNG calls an operational flow order, system operation limitation (SOL) or critical day, the additional charge for unauthorized use will be equal to the NNG daily delivery variance charge or critical day charge in effect for such day multiplied by customer's unauthorized use volume. Currently, the charge is \$11.30 per CCF. As NNG revises its rate schedules, the Company's rate will be adjusted accordingly.

Such payments, however, shall not preclude Company from shutting off customer's supply of gas in the event of customer's failure to curtail, interrupt, or restrict the use thereof when requested by Company to do so.

**Late Payment Charge**

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided in the General Rules and Regulations, Section VI-2.

**Term of Agreement Service**

Service agreement shall be for a term of not less than one year. Upon expiration of term, agreement continues in force until terminated by at least 30 days' written notice by either party.

---

Date Filed: September 24, 2015  
By: Greg Palmer  
President/CEO

Effective Date: Immediately

Docket No. G022/GR-09-962

Order Date: August 24, 2015

**Greater Minnesota Gas, Inc.  
St. Peter, Minnesota 56082  
Gas Rate Book**

---

**General Interruptible – Agricultural Service  
Rate Code AG1**

Section V  
3<sup>rd</sup> Revised Sheet No. 15

---

**Availability**

Available on an interruptible basis to any commercial or industrial customer in all Rate Areas.

Customer will agree to:

1. Curtail use within one hour after Company notification,
2. Provide and maintain suitable and adequate alternate fuel capable standby facilities, and
3. Have access to sufficient standby alternate fuel for periods of curtailment of the delivery of gas sold hereunder.

If a portion of a customer's usage is for processing or manufacturing, and curtailment would not be in violation of codes, then requirements (2) and (3) above shall not apply to that portion. If customer agrees to confine the use of natural gas for specified end uses under this rate to the months of April through October in any calendar year, requirements (2) and (3) above shall not apply. However, any use under this rate is still curtailable at Company option.

**Applicability and Character of Service**

Rate schedule applies to interruptible gas service for Agricultural Customers whose normal demand occurs in September, October, and November.

Delivery of gas hereunder shall be subject to curtailment whenever requested by the Company. Service may be provided through a Company owned meter with telemetering or other automated meter reading capabilities installed.

**Therm Adjustment**

Customer's consumption in Ccf will be adjusted to reflect 1,000 Btu per cubic foot, base pressure 14.73 PSIA, and a gas temperature of 60 degrees Fahrenheit.

**Rate**

Facility Fee per Month	\$200.00 in October and November \$ 20.00 all other months
------------------------	---

Distribution Charge per CCF	\$0.231310
-----------------------------	------------

Base Cost of Gas per CCF	\$0.588013
--------------------------	------------

**Determination of Cost of Gas**

The billed Cost of Gas is the above Base Cost of Gas adjusted by the Purchased Gas Adjustment as provided for in the Purchased Gas Adjustment Clause.

**Monthly Minimum Charge**

Facility Fee

---

Date Filed: August 31, 2010  
By: Michael L. Jablonske  
President

Effective Date: November 1, 2010

Docket No. G022/GR-09-962

Order Date: August 19, 2010

**Greater Minnesota Gas, Inc.  
St. Peter, Minnesota 56082  
Gas Rate Book**

---

**General Interruptible – Agricultural Service (Continued)  
Rate Code AG1**

Section V  
2<sup>nd</sup> Revised Sheet No. 16

---

**Additional Charge for Unauthorized Use of Gas During Service Curtailment, Interruption, or Restriction**

If customer fails to curtail, interrupt, or otherwise restrict use of gas hereunder when requested to do so by Company, customer shall pay, in addition to the appropriate rates above, the higher of (i) \$1.00 per CCF, or (ii) and amount equal to any payment Company is required to make to its transporting pipeline, Northern Natural Gas (NNG), as a result of such failure to curtail, interrupt, or restrict service as follows:

If NNG calls an operational flow order, system operation limitation (SOL) or critical day, the additional charge for unauthorized use will be equal to the NNG daily delivery variance charge or critical day charge in effect for such day multiplied by customer's unauthorized use volume. Currently, the charge is \$11.30 per CCF. As NNG revises its rate schedules, the Company's rate will be adjusted accordingly.

Such payments, however, shall not preclude Company from shutting off customer's supply of gas in the event of customer's failure to curtail, interrupt, or restrict the use thereof when requested by Company to do so.

**Late Payment Charge**

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided in the General Rules and Regulations, Section VI-2.

**Term of Agreement Service**

Service agreement shall be for a term of not less than one year. Upon expiration of term, agreement continues in force until terminated by at least 30 days' written notice by either party.

---

Date Filed: August 31, 2010  
By: Michael L. Jablonske  
President

Effective Date: November 1, 2010

Docket No. G022/GR-09-962

Order Date: August 19, 2010



**NON-PUBLIC INFORMATION**  
**Contains Trade Secret Information**

**Department of Commerce/Division of Energy Resources**  
**UTILITY INFORMATION REQUEST**

DOCKET NO. E,G-999/CI-19-160

**CenterPoint Energy Response**

Requested By: Adam Heinen/Angela Byrne/Sachin Shah

---

Email Addresses: [adam.heinen@state.mn.us](mailto:adam.heinen@state.mn.us) / [angela.byrne@state.mn.us](mailto:angela.byrne@state.mn.us) / [Sachin.Shah@state.mn.us](mailto:Sachin.Shah@state.mn.us)

Phone: 651-539-1825 Adam / 651-539-1820 Angela

---

Date Received: April 18, 2019

---

Response Date: April 29, 2019

---

Respondent/s Name: Marie Doyle

---

Respondent/s Title, Department: Regulatory Analyst, Regulatory Affairs

---

Respondent Telephone: 612-321-5078

---

Confidential: **Yes** – Sales v. Transport Dual Fuel detail is considered sensitive – justification below

---

---

**REQUEST NO.:** DOC-2

**REQUEST:** Natural Gas System Reliability

Please provide daily throughput data, by tariff type or rate class (e.g., firm, interruptible), for January and February 2019 in Microsoft Excel format with all links and formulae intact.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

**RESPONSE:**

CenterPoint Energy has provided a file containing its daily sales data for January and February 2019.

The NON-PUBLIC file contains four tabs –January NP, February NP, January PUBLIC, and February PUBLIC.

The PUBLIC version of the file only contains two tabs - January PUBLIC, and February PUBLIC.

**CenterPoint Energy has designated information the attached Excel Spreadsheet as Trade Secret.**

The information meets the definition of trade secret in Minn. Stat. 13.37 subd.1 (b) as follows: (1) the information was supplied by CenterPoint Energy, the affected organization; (2) we have taken all reasonable efforts to maintain the secrecy of the information, including protecting it from disclosure in this document; and (3) the protected information contains daily gas sales information which derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.

... Trade Secret Data Ends }



- ☒ **Not Public Document – Not For Public Disclosure**  
☐ **Public Document – Not Public Data Has Been Excised**  
☐ **Public Document**

Xcel Energy Information Request No. 2  
Docket No.: E,G999/CI-19-160  
Response To: MN Department of Commerce  
Requestor: Adam Heinen, Angela Byrne, Sachin Shah  
Date Received: April 18, 2019

---

Question:

Please provide daily throughput data, by tariff type or rate class (e.g., firm, interruptible), for January and February 2019 in Microsoft Excel format with all links and formulae intact.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

Response:

Attachment A contains our daily NSPM gas firm, transport, and interruptible throughput for the months of January and February.

Xcel Energy maintains the information designated in Attachment A to this response as not public data pursuant to Minn. Stat. §13.02, subd. 8a. The data contained in the attachment contains aggregated customer data by rate group. To protect customer privacy and anonymity in compliance with Order Point No. 2 of the Commission's January 19, 2017 Order in Docket No. E,G999/CI-12-1344 (*In the Matter of a Commission Inquiry into Privacy Policies of Rate-Regulated Energy Utilities*), we have applied a 15/15 data aggregation standard.<sup>[1]</sup> The 15/15 Standard imposes two restrictions to protect customers' privacy: (1) the aggregated set of data must contain at least 15 customers or premises; and (2) a single customer or premise cannot account for 15 percent or more of data of the aggregated group. Under the Minnesota Data Practices Act, Xcel Energy maintains this customer information as Private Data on Individuals and Trade Secret Data. The information is Private Data on Individuals pursuant to Minn. Stat. § 13.02, subd. 12 as the data is not public, and the data is accessible to the individual subject of those data. Pursuant to Minn. Stat. § 13.37,

---

<sup>[1]</sup> The Company discussed the 15/15 standard at length in Docket Nos. E,G002/M-12-188 and E,G999/CI-12-1344, and specifically in its February 10, 2017 Compliance Filing in the 12-1344 Docket.

subd. 1(b), the information is Trade Secret as the specific customer information derives independent economic value, actual or potential, to Xcel Energy, its customers, suppliers, and competitors, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use. Disclosure of the trade secret provisions would have a detrimental effect by providing valuable information not otherwise readily ascertainable and from which could be obtained economic value.

---

Preparer: Richard Derryberry  
Title: Manager Gas Resource Planning  
Department: Gas Planning  
Telephone: 303-571-7104  
Date: April 29, 2019

Date	<i>a</i> Total Pipeline		<i>c</i> = <i>a</i> + <i>b</i>	<i>d</i> Total Peak Shave	<i>e</i> = <i>a</i> + <i>d</i>	<i>f</i> = <i>b</i> Total LDC		<i>g</i> = <i>e</i> + <i>f</i>	<i>h</i> Transport		<i>i</i>	<i>j</i> = <i>h</i> + <i>i</i>	<i>k</i>	<i>l</i> Interruptible		<i>m</i> = <i>k</i> + <i>l</i>	<i>n</i> = <i>a</i> - <i>h</i> - <i>k</i>	<i>o</i> = <i>b</i> - <i>i</i> - <i>l</i>	<i>p</i> = <i>n</i> + <i>o</i>
	MN	ND	Total		MN	ND	Total	MN	ND	Total	MN	ND	Total	MN	ND	Total	MN	ND	Total
[PROTECTED DATA BEGINS]									[PROTECTED DATA BEGINS]										
1/1/2019	562,904	88,461	651,365	0	562,904	88,461	651,365						48172			58,382	467,000	77,810	544,811
1/2/2019	464,219	60,652	524,871	0	464,219	60,652	524,871						46632			56,154	369,867	52,218	422,085
1/3/2019	354,152	47,933	402,085	0	354,152	47,933	402,085						42683			37,933	281,625	39,844	321,469
1/4/2019	302,036	43,629	345,665	0	302,036	43,629	345,665						41932			34,122	232,999	36,613	269,611
1/5/2019	312,440	54,299	366,739	0	312,440	54,299	366,739						41939			33,073	245,540	46,187	291,727
1/6/2019	341,976	50,703	392,679	0	341,976	50,703	392,679						42601			34,266	272,444	43,369	315,812
1/7/2019	329,964	49,162	379,126	0	329,964	49,162	379,126						44098			36,880	256,864	41,284	298,148
1/8/2019	505,875	80,990	586,865	0	505,875	80,990	586,865						46993			50,835	417,757	71,279	489,037
1/9/2019	525,820	77,613	603,433	0	525,820	77,613	603,433						46650			53,197	435,465	68,121	503,586
1/10/2019	456,311	69,938	526,249	0	456,311	69,938	526,249						44062			45,990	374,948	61,249	436,197
1/11/2019	393,161	62,506	455,667	0	393,161	62,506	455,667						42144			40,152	319,049	54,322	373,371
1/12/2019	370,811	53,254	424,065	0	370,811	53,254	424,065						41434			36,513	300,255	45,863	346,118
1/13/2019	350,857	55,695	406,552	0	350,857	55,695	406,552						41091			35,704	281,672	48,085	329,757
1/14/2019	380,467	61,948	442,415	0	380,467	61,948	442,415						45577			39,246	303,900	53,692	357,592
1/15/2019	444,177	77,689	521,866	0	444,177	77,689	521,866						48027			44,338	361,673	67,827	429,501
1/16/2019	480,308	81,233	561,541	0	480,308	81,233	561,541						48603			48,147	394,051	70,741	464,791
1/17/2019	490,365	81,882	572,247	0	490,365	81,882	572,247						48463			48,588	403,661	71,535	475,196
1/18/2019	575,809	96,746	672,555	0	575,809	96,746	672,555						47406			54,200	485,134	85,815	570,949
1/19/2019	599,735	89,373	689,108	6,168	605,903	89,373	695,276						45040			52,889	518,407	78,941	597,347
1/20/2019	585,970	86,707	672,677	0	585,970	86,707	672,677						44542			52,943	498,569	76,623	575,192
1/21/2019	554,747	78,224	632,971	0	554,747	78,224	632,971						44797			53,444	465,598	69,131	534,730
1/22/2019	504,928	74,781	579,709	0	504,928	74,781	579,709						42314			51,726	418,808	66,861	485,669
1/23/2019	464,947	80,280	545,227	0	464,947	80,280	545,227						43439			48,390	382,586	70,812	453,398
1/24/2019	635,157	97,735	732,892	0	635,157	97,735	732,892						49691			58,544	537,970	86,686	624,657
1/25/2019	635,456	92,860	728,316	0	635,456	92,860	728,316						48302			56,436	541,163	82,415	623,578
1/26/2019	610,817	91,942	702,759	0	610,817	91,942	702,759						45630			51,607	523,885	81,637	605,522
1/27/2019	600,913	91,843	692,756	0	600,913	91,843	692,756						46123			52,853	511,613	82,167	593,780
1/28/2019	588,852	91,240	680,092	0	588,852	91,240	680,092						42779			47,034	507,046	83,234	590,279
1/29/2019	670,254	105,003	775,257	24,293	694,547	105,003	799,550						29253			9,426	659,451	101,421	760,871
1/30/2019	592,642	96,188	688,830	83,524	676,166	96,188	772,354						26265			8,816	644,737	92,536	737,273
1/31/2019	603,445	86,968	690,413	10,061	613,506	86,968	700,474						26547			13,025	578,480	82,422	660,902
2/1/2019	528,422	76,461	604,883	0	528,422	76,461	604,883						41656			47,114	447,884	68,229	516,113
2/2/2019	348,196	68,689	416,885	0	348,196	68,689	416,885						38675			32,791	285,104	60,314	345,419
2/3/2019	353,749	89,965	443,714	0	353,749	89,965	443,714						40299			33,931	289,117	80,366	369,484
2/4/2019	556,591	96,444	653,035	0	556,591	96,444	653,035						48307			50,693	468,029	86,006	554,035
2/5/2019	552,213	91,674	643,887	0	552,213	91,674	643,887						46693			53,997	461,699	81,498	543,197
2/6/2019	469,054	93,062	562,116	0	469,054	93,062	562,116						47354			46,661	385,190	82,911	468,101
2/7/2019	570,572	101,108	671,680	764	571,336	101,108	672,444						49113			56,718	475,754	90,860	566,613
2/8/2019	646,365	99,330	745,695	0	646,365	99,330	745,695						48260			64,156	544,453	88,825	633,279
2/9/2019	590,332	90,281	680,613	0	590,332	90,281	680,613						44100			52,899	503,130	80,484	583,614
2/10/2019	499,140	85,610	584,750	0	499,140	85,610	584,750						41674			45,697	420,929	76,450	497,379
2/11/2019	439,369	68,177	507,546	0	439,369	68,177	507,546						40664			45,010	362,485	59,387	421,872
2/12/2019	465,409	76,976	542,385	0	465,409	76,976	542,385						42428			49,618	382,392	67,947	450,339
2/13/2019	453,730	76,871	530,601	217	453,947	76,871	530,818						40169			47,408	374,777	68,464	443,241
2/14/2019	541,589	87,672	629,261	519	542,108	87,672	629,780						42636			58,095	450,561	78,488	529,049
2/15/2019	530,286	83,841	614,127	0	530,286	83,841	614,127						41090			55,356	442,662	75,020	517,681
2/16/2019	463,040	73,406	536,446	0	463,040	73,406	536,446						38908			46,556	385,761	65,221	450,982
2/17/2019	473,757	75,758	549,515	0	473,757	75,758	549,515						37977			50,069	393,348	68,121	461,469
2/18/2019	505,746	83,567	589,313	0	505,746	83,567	589,313						40150			56,708	416,391	76,064	492,455
2/19/2019	479,990	76,419	556,409	0	479,990	76,419	556,409						42519			54,576	391,066	68,248	459,314
2/20/2019	452,196	64,556	516,752	0	452,196	64,556	516,752						41056			49,378	369,402	56,915	426,318
2/21/2019	456,767	66,971	523,738	0	456,767	66,971	523,738						43889			48,810	371,664	59,375	431,039
2/22/2019	400,797	65,920	466,717	0	400,797	65,920	466,717						41097			40,667	326,578	58,375	384,953
2/23/2019	381,176	64,249	445,425	0	381,176	64,249	445,425						40589			36,038	312,205	56,594	368,798
2/24/2019	545,466	88,884	634,350	0	545,466	88,884	634,350						43040			53,819	457,953	79,538	537,491
2/25/2019	617,915	93,577	711,492	0	617,915	93,577	711,492						47319			66,492	513,796	83,885	597,681
2/26/2019	570,904	88,475	659,379	0	570,904	88,475	659,379						46600			50,496	482,911	79,372	562,283
2/27/2019	549,226	84,170	633,396	0	549,226	84,170	633,396						45517			50,047	462,060	75,772	537,832
2/28/2019	497,626	71,251	568,877	2,097	499,723	71,251	570,974						41962			41,398	423,452	64,162	487,614
[PROTECTED DATA ENDS]									[PROTECTED DATA ENDS]										

- 1 Total throughput includes all gas flowed through NNG meters to NSPM system  
2 Total NNG LDC throughput does not include gas used for generation  
3 Peak Shave include any gas dispatched from Wescott LNG (156,000 Dth/day capacity), Sibley LPG (46,000 Dth/day capacity), and Maplewood LPG (44,000 Dth/day capacity)  
4 Total LDC is the sum of all interstate delivered gas and peak shave dispatched gas  
5 Interruptible includes all customers with interruptible service whose gas is measured/recorded on a daily basis  
6 Approximately 245 premises do not have daily data available and are not included in the above

**Minnesota Department of Commerce  
Division of Energy Resources  
Information Request**

Docket Number: E,G999/CI-19-160 ☐Nonpublic ☒Public  
Requested From: All Natural Gas Utilities Date of Request: 4/18/2019  
Type of Inquiry: General Response Due: 4/29/2019

Requested by: Adam Heinen/Angela Byrne/Sachin Shah  
Email Address(es): adam.heinen@state.mn.us/angela.byrne@state.mn.us/sachin.shah@state.mn.us  
Phone Number(s): 651-539-1825

---

**Request Number:** 2  
**Topic:** Natural Gas System Reliability  
**Reference(s):**

---

**Request:**

Please provide daily throughput data, by tariff type or rate class (*e.g.*, firm, interruptible), for January and February 2019 in Microsoft Excel format with all links and formulae intact.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

**MERC Response**

As discussed in MERC's response to part a of Department Request Number 1:

- a. MERC is currently gathering the firm customer data that it needs to answer this question. MERC plans to complete the requested analysis by June 30, 2019.

The data that is being gathered consists of daily weather data for nine weather stations, daily total throughput by pipeline and weather station, and daily large volume transportation, interruptible, and joint interruptible throughput by pipeline and weather station.

MERC will use the data listed above to calculate the actual daily firm customer throughput on January 29<sup>th</sup> to February 1<sup>st</sup> by pipeline and weather station. As requested in this question, MERC will then adjust the actual firm throughput on the coldest day to MERC's design weather conditions for which MERC plans and for which MERC holds capacity. MERC will then be able to

---

To be completed by responder

Response Date: April 29, 2019  
Response by: Seth DeMerritt  
Email Address: seth.demerritt@wecenergygroup.com  
Phone Number: 920-433-2926



**Minnesota Department of Commerce  
Division of Energy Resources  
Information Request**

Docket Number:	E,G999/CI-19-160	<input type="checkbox"/> Nonpublic <input checked="" type="checkbox"/> Public
Requested From:	All Natural Gas Utilities	Date of Request: 4/18/2019
Type of Inquiry:	General	Response Due: 4/29/2019
Requested by:	Adam Heinen/Angela Byrne/Sachin Shah	
Email Address(es):	adam.heinen@state.mn.us/angela.byrne@state.mn.us/sachin.shah@state.mn.us	
Phone Number(s):	651-539-1825	

---

answer this question and state whether it believes it would have had sufficient capacity to serve firm customers if weather conditions reached the utility's planning objective.

MERC's analysis as described in part a to Department Request Number 1 will go beyond the 3 day weather event, and will encompass all of the winter planning period inclusive of January and February 2019 data. It should be noted the analysis done does not go to the tariff type or rate class level, and will only have a breakdown of firm vs. interruptible throughput.

---

To be completed by responder

Response Date: April 29, 2019  
Response by: Seth DeMerritt  
Email Address: seth.demerritt@wecenergygroup.com  
Phone Number: 920-433-2926

**Minnesota Department of Commerce  
Division of Energy Resources  
Information Request**

Docket Number: E,G999/CI-19-160 ☐Nonpublic ☒Public  
Requested From: All Natural Gas Utilities Date of Request: 4/18/2019  
Type of Inquiry: General Response Due: 4/29/2019  
  
Requested by: Adam Heinen/Angela Byrne/Sachin Shah  
Email Address(es): adam.heinen@state.mn.us/angela.byrne@state.mn.us/sachin.shah@state.mn.us  
Phone Number(s): 651-539-1825

---

**Request Number:** 2  
**Topic:** Natural Gas System Reliability  
**Reference(s):**

---

**Request:**

Please provide daily throughput data, by tariff type or rate class (*e.g.*, firm, interruptible), for January and February 2019 in Microsoft Excel format with all links and formulae intact.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

**Response:**

Please see the attached Microsoft Excel document entitled "19-160 Great Plains IR 2" for the total daily deliveries to each Town Border Station (TBS) on Great Plains' system. Great Plains does not track daily throughput by rate class, such as firm, interruptible or transport.

---

To be completed by responder

Response Date: April 29, 2019  
Response by: Travis Jacobson, Manager, Regulatory Affairs  
Email Address: travis.jacobson@mdu.com  
Phone Number: (701) 222-7855

**Total Natural Gas City Gate Deliveries**

Gas Day	BELVIEW MN #1	BOYD MN #1	CLARKFIELD MN #1	DANUBE MN #1	DAWSON MN #1	ECHO MN #1	GRANITE FALLS MN #1	GRANITE FALLS MN #2	GRANITE FALLS MN #3	MARSHALL MN #1	MONTEVIDEO MN #1	MARSHALL #2	REDWOOD FALLS MN #1	RENVILLE MN #1	RENVILLE MN #2	SACRED HEART MN #1	WOOD LAKE MN #1	CROOKSTON	FERGUS FALLS (N4+W)
1/1/2019	146	68	347	226	2,871	116	1,483	3	-	4,699	3,018	3	2,769	618	4,470	230	165	6,756	17,781
1/2/2019	111	49	246	165	2,624	78	1,100	3	-	3,748	2,204	3	3,698	457	3,906	168	136	5,966	14,986
1/3/2019	81	35	180	119	2,571	68	819	3	-	2,895	1,706	3	3,328	338	3,691	121	223	5,463	12,804
1/4/2019	73	30	157	104	2,465	57	750	3	-	2,361	1,520	3	3,172	323	4,035	98	173	4,184	12,027
1/5/2019	77	32	169	116	2,537	58	776	3	-	2,315	1,647	3	3,088	371	4,057	108	75	5,245	12,327
1/6/2019	85	38	186	123	2,518	69	794	3	-	2,635	1,719	3	2,129	342	3,942	122	90	5,082	12,258
1/7/2019	68	30	157	102	2,492	56	718	3	-	2,535	1,474	3	2,685	305	3,247	109	79	5,345	11,925
1/8/2019	119	53	271	187	2,756	95	1,174	3	-	4,066	2,507	3	3,979	521	1,961	196	146	6,530	16,307
1/9/2019	122	59	294	191	2,717	97	1,273	3	-	4,357	2,653	-	3,918	536	3,663	201	151	6,512	16,453
1/10/2019	104	50	251	162	2,770	85	1,061	3	-	3,685	2,222	-	3,607	450	4,000	161	128	6,003	14,922
1/11/2019	87	44	226	135	2,902	71	937	3	-	3,240	1,995	-	3,425	373	4,444	128	101	5,572	13,604
1/12/2019	87	41	206	136	2,718	67	808	3	-	2,754	1,780	-	3,246	358	4,492	125	89	4,781	12,377
1/13/2019	84	37	194	122	2,619	65	823	3	-	2,903	1,690	-	2,339	341	4,449	124	92	5,144	12,151
1/14/2019	88	39	370	125	2,539	69	903	3	-	3,243	1,851	-	2,735	361	4,719	131	103	4,695	13,951
1/15/2019	107	49	431	162	2,697	85	1,113	3	-	3,940	2,328	-	3,649	461	5,438	175	138	6,313	16,026
1/16/2019	105	55	278	170	2,960	86	1,174	-	-	4,154	2,544	-	3,800	474	3,601	182	136	5,957	16,949
1/17/2019	105	52	267	169	2,798	85	1,148	-	-	3,987	2,422	-	4,005	470	3,226	173	130	6,856	17,139
1/18/2019	135	65	333	212	2,941	110	1,423	-	-	4,707	2,934	-	4,335	566	4,018	203	153	6,876	18,500
1/19/2019	144	70	354	221	2,937	116	1,422	-	-	4,696	3,027	-	3,845	600	4,141	218	153	6,697	17,083
1/20/2019	140	69	335	219	2,910	116	1,390	-	-	4,554	2,949	-	2,405	587	3,796	219	162	6,479	17,339
1/21/2019	134	64	315	213	2,707	114	1,348	-	-	4,583	2,717	-	3,656	573	3,579	211	176	6,197	17,136
1/22/2019	113	54	277	171	2,765	92	1,220	-	-	4,269	2,423	-	4,035	494	3,827	185	150	6,034	16,456
1/23/2019	112	55	279	176	2,703	94	1,201	-	-	4,154	2,481	-	4,134	496	3,663	184	148	4,890	16,582
1/24/2019	155	74	377	248	2,936	131	1,614	-	-	5,392	3,273	-	4,507	684	3,030	252	209	6,946	19,529
1/25/2019	141	69	352	219	2,973	116	1,511	-	-	4,810	3,054	-	4,296	600	2,927	219	160	6,865	18,789
1/26/2019	146	71	357	227	3,067	116	1,520	-	-	4,642	3,042	-	3,376	614	2,816	223	164	6,792	17,722
1/27/2019	147	71	358	234	2,962	120	1,485	-	-	4,673	3,049	-	2,308	616	3,612	230	171	6,646	18,081
1/28/2019	148	69	360	229	2,925	119	1,522	-	-	5,272	3,133	-	3,719	637	6,198	238	190	5,862	17,979
1/29/2019	183	88	462	312	3,343	158	1,977	-	-	6,425	3,940	-	4,240	828	2,558	310	240	5,057	19,181
1/30/2019	164	88	445	296	3,304	150	1,965	-	-	6,087	3,867	-	4,421	795	3,165	296	223	7,083	18,551
1/31/2019	152	74	385	252	3,189	130	1,617	-	-	5,170	3,318	-	4,265	688	1,578	242	205	6,580	19,540
2/1/2019	125	56	282	182	2,821	97	1,201	3	3	3,665	2,442	3	3,860	507	1,335	185	138	5,753	16,196
2/2/2019	83	46	547	126	2,617	69	894	3	3	2,928	1,980	3	3,314	349	4,010	123	95	5,176	13,673
2/3/2019	115	63	316	170	2,798	94	1,227	3	3	4,359	2,663	3	2,387	492	4,031	186	150	5,100	15,857
2/4/2019	149	73	365	231	3,027	122	1,564	3	3	5,257	3,167	3	3,803	640	3,744	241	202	6,618	18,576
2/5/2019	137	66	328	207	2,937	112	1,455	3	3	4,991	2,897	3	4,321	588	3,400	220	180	5,766	17,817
2/6/2019	130	68	343	198	2,913	109	1,406	3	3	5,040	3,000	3	4,074	557	3,475	217	173	6,292	17,996
2/7/2019	164	78	406	250	3,127	135	1,668	3	3	5,699	3,465	3	3,989	704	6,473	261	212	5,809	18,863
2/8/2019	158	76	380	246	3,314	131	1,682	3	3	5,341	3,347	-	4,197	670	2,904	239	194	5,810	19,311
2/9/2019	144	72	341	225	3,038	115	1,471	3	3	4,420	2,951	-	4,038	599	3,515	216	153	5,764	17,201
2/10/2019	118	58	290	182	2,995	94	1,294	3	3	4,092	2,580	-	2,527	502	3,946	186	137	5,638	15,854
2/11/2019	104	49	248	156	2,535	84	1,083	3	3	3,898	2,285	-	3,081	438	5,015	164	129	4,767	14,093
2/12/2019	124	56	289	185	2,779	96	1,240	3	-	4,506	2,548	-	3,885	517	6,650	198	151	5,953	14,663
2/13/2019	117	54	276	170	2,947	92	1,156	3	-	4,029	2,374	-	3,894	477	3,783	183	149	5,818	16,773
2/14/2019	140	69	348	225	3,125	115	1,468	3	-	5,159	3,064	-	4,254	621	4,053	245	188	6,285	20,834
2/15/2019	137	66	331	216	3,023	112	1,383	-	-	4,720	2,930	-	4,037	590	4,768	222	167	5,442	21,013
2/16/2019	116	55	280	182	2,819	94	1,142	-	-	3,887	2,426	-	3,548	484	5,036	175	130	5,878	17,961
2/17/2019	111	54	274	169	2,877	86	1,172	-	-	3,920	2,456	-	1,878	473	4,248	171	135	5,538	16,126
2/18/2019	127	64	318	199	2,800	108	1,428	-	-	4,704	2,904	-	3,394	573	3,541	212	178	5,408	19,487
2/19/2019	114	58	286	179	2,848	95	1,227	-	-	4,088	2,481	-	3,843	517	4,746	198	152	5,879	20,500
2/20/2019	110	53	261	165	2,759	91	1,167	-	-	3,939	2,330	-	3,727	473	5,465	182	163	4,753	18,995
2/21/2019	107	52	256	166	2,802	86	1,161	-	-	3,878	2,314	-	3,778	471	4,926	171	115	4,194	19,313
2/22/2019	96	49	233	147	2,592	80	1,017	-	-	3,414	2,084	-	3,693	416	4,282	146	103	4,518	18,870
2/23/2019	99	47	240	154	2,664	80	1,010	-	-	3,408	2,171	-	3,751	429	4,700	156	110	4,711	18,023
2/24/2019	127	65	316	212	3,022	109	1,381	-	-	4,516	2,948	-	3,133	581	4,352	223	159	5,543	21,705
2/25/2019	142	67	340	211	2,715	113	1,519	-	-	4,907	3,063	-	3,289	611	3,291	231	194	6,090	22,778
2/26/2019	133	64	315	201	2,887	104	1,409	-	-	4,753	2,852	-	3,869	567	3,921	223	175	5,103	21,997
2/27/2019	127	122	300	194	2,998	102	1,367	-	-	4,594	2,709	-	4,123	549	4,448	208	177	5,481	21,266
2/28/2019	112	80	262	167	2,962	89	1,187	-	-	4,138	2,354	-	3,970	474	3,549	176	135	5,213	19,684

**Minnesota Department of Commerce  
Division of Energy Resources  
Information Request**

Docket Number: E,G999/CI-19-160 ☐ Nonpublic ☒ Public  
Requested From: All Natural Gas Utilities Date of Request: 4/18/2019  
Type of Inquiry: General Response Due: 4/29/2019  
  
Requested by: Adam Heinen/Angela Byrne/Sachin Shah  
Email Address(es): adam.heinen@state.mn.us/angela.byrne@state.mn.us/sachin.shah@state.mn.us  
Phone Number(s): 651-539-1825

---

**Request Number:** 2  
**Topic:** Natural Gas System Reliability  
**Reference(s):**

---

**Request:**

Please provide daily throughput data, by tariff type or rate class (e.g., firm, interruptible), for January and February 2019 in Microsoft Excel format with all links and formulae intact.

If this information has already been provided in initial petition or in response to an earlier Department-DER information request, please identify the specific cite(s) or Department-DER information request number(s).

***GMG RESPONSE:***

*GMG's sendout data is contained in the Excel spreadsheet provided herewith. The spreadsheet includes data for retail customers, transport customers (excluding TR-2 customers), and total system sendout by day for January and February, 2019. Daily meter read capabilities are only available for non-TR-2 transport customers. Total system sendout without transport is equal to system sendout for the day minus the total daily non-TR-2 transport. All retail and TR-2 customers are read monthly as opposed to daily.*

*On January 29 2019, GMG called a system wide curtailment; so, all use that day was firm use. GMG does not have a breakdown by class or by firm versus interruptible retail sales for any other day.*

---

To be completed by responder

Response Date: April 24, 2019  
Response by: Kristine Anderson  
Email Address: kanderson@greatermngas.com  
Phone Number: 507-665-8657

**2019 Daily DTH Volume**  
**SYSTEM TOTAL**

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11,210	9,465										
2	8,879	5,755										
3	6,098	6,597										
4	5,303	11,448										
5	5,830	10,412										
6	6,361	9,082										
7	5,912	12,696										
8	10,589	13,191										
9	10,425	11,249										
10	8,904	9,053										
11	7,394	8,137										
12	6,865	9,609										
13	6,591	8,821										
14	7,266	11,485										
15	8,912	11,297										
16	9,537	9,158										
17	9,557	9,117										
18	11,637	10,507										
19	11,456	9,198										
20	11,657	8,575										
21	10,657	8,952										
22	9,242	7,440										
23	8,774	7,562										
24	13,450	11,852										
25	12,588	12,057										
26	11,874	11,299										
27	11,309	11,421										
28	11,627	10,044										
29	15,899	-										
30	15,107											
31	12,948											
Total	303,858	275,479	-	-	-	-	-	-	-	-	-	579,337
Peak Day	15,899	13,191	0	0	0	0	0	0	0	0	0	0
Day	29	8										

## 2019 Daily DTH Volume

### System Without Transport

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	9,221	7,706											
2	7,438	4,838											
3	4,988	5,495											
4	4,389	9,464											
5	4,838	8,673											
6	5,251	7,445											
7	4,880	10,331											
8	8,676	10,855											
9	8,469	9,303											
10	7,083	7,451											
11	5,960	6,674											
12	5,603	7,904											
13	5,369	7,129											
14	5,854	9,209											
15	7,142	9,198											
16	7,619	7,518											
17	7,731	7,359											
18	9,449	8,392											
19	9,437	7,423											
20	9,608	7,008											
21	8,896	7,307											
22	7,842	6,125											
23	7,337	6,187											
24	11,070	9,689											
25	10,323	9,870											
26	9,839	9,364											
27	9,349	9,319											
28	9,655	8,168											
29	13,323												
30	12,507												
31	10,749												
Total	249,895	225,404	-	-	-	-	-	-	-	-	-	-	475,299
Peak Day	13,323	10,855	0	0	0	0	0	0	0	0	0	0	
Day	29	8											

**Docket E,G999/CI-19-160**  
**DOC Request 2**

**NON-PUBLIC INFORMATION**  
**Contains Trade Secret Information**

CenterPoint Energy - Minnesota Gas

Estimated Gas Deliveries  
(All volumes in Dth @ 14.73 psi)

	System Firm	System SVI	Transport SV	System LVI	Transport LV	Total Sales	Weather DD						
	{ Trade Secret Data Begins...												
01/01/19	Tue	875,919					60.0						
01/02/19	Wed	691,184					44.0						
01/03/19	Thu	498,929					31.0						
01/04/19	Fri	427,207					29.0						
01/05/19	Sat	450,719					30.0						
01/06/19	Sun	499,757					30.0						
01/07/19	Mon	464,972					29.0						
01/08/19	Tue	763,669					49.0						
01/09/19	Wed	790,994					53.0						
01/10/19	Thu	674,870					45.0						
01/11/19	Fri	574,122					39.0						
01/12/19	Sat	554,424					36.0						
01/13/19	Sun	504,925					32.0						
01/14/19	Mon	542,919					35.0						
01/15/19	Tue	653,167					42.0						
01/16/19	Wed	708,630					48.0						
01/17/19	Thu	722,258					49.0						
01/18/19	Fri	886,340					58.0						
01/19/19	Sat	907,630					66.0						
01/20/19	Sun	901,606					62.0						
01/21/19	Mon	848,747					52.0						
01/22/19	Tue	753,951					48.0						
01/23/19	Wed	686,654					46.0						
01/24/19	Thu	991,438					69.0						
01/25/19	Fri	978,168					67.0						
01/26/19	Sat	954,672					64.0						
01/27/19	Sun	936,749					63.0						
01/28/19	Mon	924,364					62.0						
01/29/19	Tue	1,253,519					84.0	90	6.0	14922.843	89537.057	1,343,056	1,367,174
01/30/19	Wed	1,243,182					85.0	90	5.0	14625.666	73128.329	1,316,310	1,353,940
01/31/19	Thu	1,075,390					72.0	90	18.0	14935.972	268847.5	1,344,238	1,369,952
Total	23,741,074						1,579.0						
	... Trade Secret Data Ends }												

Average

- 1 Total throughput includes all gas flowed through NNG meters to NSPM system
- 2 Total NNG LDC throughput does not include gas used for generation
- 3 Peak share include any gas dispatched from Wescott LNG (156,000 Dth/day capacity), Sibley LPG (46,000 Dth/day capacity), and Maplewood LPG (44,000 Dth/day capacity)
- 4 Total LDC is the sum of all interstate delivered gas and peak share dispatched gas
- 5 Interruptible includes all customers with interruptible service whose gas is measured/recorded on a daily basis
- 6 Approximately 245 premises do not have daily data available and are not included in the above



## 2019 Daily DTH Volume

### System Without Transport

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.						
1	9,221	7,706																
2	7,438	4,838																
3	4,988	5,495																
4	4,389	9,464																
5	4,838	8,673																
6	5,251	7,445																
7	4,880	10,331																
8	8,676	10,855																
9	8,469	9,303																
10	7,083	7,451																
11	5,960	6,674																
12	5,603	7,904																
13	5,369	7,129																
14	5,854	9,209																
15	7,142	9,198																
16	7,619	7,518																
17	7,731	7,359																
18	9,449	8,392																
19	9,437	7,423																
20	9,608	7,008																
21	8,896	7,307																
22	7,842	6,125																
23	7,337	6,187																
24	11,070	9,689																
25	10,323	9,870																
26	9,839	9,364																
27	9,349	9,319																
28	9,655	8,168																
29	13,323												84.00	90	6.00	158.61	951.64	14,274.64
30	12,507												85.00	90	5.00	147.14	735.71	13,242.71
31	10,749																	
Total	249,895	225,404	-	-	-	-	-	-	-	-	-	-						475,299
Peak Day	13,323	10,855	0	0	0	0	0	0	0	0	0	0						
Day	29	8																

- ☐ Not Public Document – Not For Public Disclosure  
☐ Public Document – Not Public Data Has Been Excised  
☒ Public Document

Xcel Energy

**Informal Information      1**  
**Request No.**

Docket No.: E,G999/CI-19-160  
Response To: MN Department of Commerce  
Requestor: Adam Heinen / Angela Byrne / Sachin Shah  
Date Received: May 9, 2019

---

Question:

*Why did Xcel Energy curtail non-firm customers during the 2019 polar vortex when it had adequate supply?*

Response:

To reliably serve our customers, we must ensure both adequate supply and delivery of energy, which involves two distinct types of analyses: (1) Gas Supply, which ensures adequate natural gas supplies to Town Border Stations; and (2) Distribution System Modeling, which determines the most effective way to configure the distribution system to deliver the natural gas from the TBS to every end point/ultimate consumer. While both of these analyses involve forecasting customer loads based on conditions of which temperature is a primary consideration, they are completely separate analyses and issues.

Ensuring adequate supplies is about securing gross levels of resources from providers to primary points on the system. Ensuring natural gas delivery to end use customers is rooted in the network of various routes and sizes of pipes that distribute the gas from the TBS to ultimate consumers – ensuring adequate pressures are maintained in each pipe to sustain the expected loads at the farthest end point. The Non-Firm natural gas customer curtailments during the January 28 to February 1, 2019 polar vortex extreme weather event were called for *delivery* purposes – as were the localized and general appeals we made to all customers, as the extreme cold temperatures persisted and then worsened on January 30<sup>th</sup>.

As we explained in our oral comments at the Minnesota Public Utilities Commission Planning meeting on February 28, 2019 and our April 12, 2019 comments in the E,G999/CI-19-160 docket, the issues we experienced during this extreme event were

localized natural gas pressure issues. In the week and days leading up to the polar vortex, all operational areas were meeting, monitoring the impending weather, and developing plans to ensure we would adequately serve our customers through the extreme weather event, should it occur. As temperatures began to drop on Monday January 28<sup>th</sup>, we started to see localized system pressure concerns from the Supervisory Control and Data Acquisition (SCADA) system monitoring points on our system. In response, we identified a limited number (15) of Non-Firm customers to interrupt beginning at 9:00 p.m. Monday January 28, 2019 to preserve localized system pressures – and with the extreme weather expected to worsen and involve sustained, historically-low temperatures, we decided to inform all Non-Firm customers they would be curtailed as of 9:00 a.m. Tuesday January 29 – likely through January 31.

As we have also discussed, after our system monitoring identified that the area was experiencing very low system pressures we interrupted service to a neighborhood of approximately 150 customers in Princeton, Minnesota on Tuesday, January 29<sup>th</sup>. We also initiated a request to customers in surrounding communities in Becker, Big Lake, Chisago City, Isanti, Lindstrom, and Princeton to reduce their use of natural gas – asking them to turn down their thermostats and avoid the use of other natural gas appliances, including hot water, until further notice. January 30<sup>th</sup> was expected to bring the coldest temperatures for this event. By this point, the extreme weather conditions were putting a significant strain on the natural gas system – and that morning, we experienced localized low pressures in the Hugo, Minnesota area, which resulted in an outage to approximately 29 customers for a portion of the day. In an effort to relieve strain and avoid further potential customer outages, we appealed to customers in areas experiencing low system pressures to lower their thermostats. Additionally, out of an abundance of caution, we later issued a general appeal for all customers to lower their thermostats as a conservative measure to ensure adequate natural gas delivery pressures due to the sustained nature of the low temperatures.

While temperature is also a component of Design Day calculations to ensure adequate supplies under extreme conditions, this event did not exceed our Design Day parameters. It did however, exceed the temperature parameters in our operational design models, which is also something we discussed at the February 28<sup>th</sup> planning meeting and in our April 12<sup>th</sup> Comments. We design the distribution system based on expected customer loads, which outside of certain business customers with specific processes that rely on natural gas, is primarily driven by heating loads. This means that temperatures are a primary driver of our system design. Further, our natural gas distribution system is designed to serve *Firm* customer loads under extreme conditions; we are thus able to install smaller infrastructure because *Non-Firm* customers are expected to curtail their load during extreme conditions, and in return, these customers receive a year-round rate discount.

We have since updated our distribution system models to reflect more severe temperature constraints, and as a result identified several natural gas system reinforcement projects that we will undertake in 2019. These are largely in the localized areas where we saw pressure drops on our system during this extreme event, including Hugo, Minnesota and where we interrupted service to approximately 150 customers in Princeton, Minnesota.

---

Preparer:	Eric Kirkpatrick	Dan Woehrle
Title:	AVP, Gas Operations	Manager Gas Systems
Department:	Gas Operations	Gas Engineering NSP
Telephone:	303-571-3223	651-229-2211
Date:	May 13, 2019	May 13, 2019