

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

**RATE SCHEDULES  
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4th Revised Sheet No. TOC

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Northern States Power Company, a Minnesota corporation  
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**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

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**RESIDENTIAL FIRM SERVICE**  
**RATE CODE: 101**

Section No. 5  
10th Revised Sheet No. 1

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**AVAILABILITY**

This rate is available to any residential customer, as defined in Class Definitions in Section 4, for domestic use of natural gas service.

**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.

**RATE**

Customer Charge per Month	\$9.00
Distribution Charge per Therm	\$0.175996
Base Cost of Gas per Therm	
April - October	\$0.59611
November - March	\$0.65392

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

(Continued on Sheet No. 5-1.1)

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**RESIDENTIAL FIRM SERVICE (Continued)**  
**RATE CODE: 101**

Section No. 5  
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**DETERMINATION OF CUSTOMER BILLS (Continued)**

**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.

**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.

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**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.

**LOW INCOME ENERGY DISCOUNT RIDER**

All customer bills under this rate are subject to the adjustment provided for in the Low Income Energy Discount Rider. For information on the Low Income Energy Discount Rider, see separate sheets in this section.

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 Section 6 of the General Rules and Regulations.

**LOW INCOME ENERGY DISCOUNT**

Discount is available to qualified low-income customers under this schedule subject to the provisions contained in the Low Income Energy Discount Rider; see separate sheets in this section.

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**COMMERCIAL FIRM SERVICE**

**RATE CODES: SMALL 102 & 108; LARGE 118 & 125**

Section No. 5

10th Revised Sheet No. 2

**AVAILABILITY**

This rate is available to any firm commercial or industrial customer as defined in Class Definitions in Section 4 for general use of natural gas service with peak daily demand requirements of less than 500 Therms.

Customer's rate will be based on annual usage:

- Small – less than 6,000 Therms; and
- Large – at least 6,000 Therms.

Customers with peak daily demand requirements of 500 Therms or more must take service under Commercial Demand Billed Service.

**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>LARGE</b>
Customer Charge per Month	\$25.00	\$50.00
Distribution Charge per Therm	\$0.116732	\$0.116582
Base Cost of Gas per Therm		
April - October	\$0.59440	\$0.59440
November - March	\$0.65221	\$0.65221

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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.

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**COMMERCIAL FIRM SERVICE (Continued)**  
**RATE CODES: SMALL 102 & 108; LARGE 118 & 125**

Section No. 5  
4th Revised Sheet No. 2.1

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**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.

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**SURCHARGE**

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

**LOW INCOME ENERGY DISCOUNT RIDER**

All customer bills under this rate are subject to the adjustment provided for in the Low Income Energy Discount Rider. For information on the Low Income Energy Discount Rider, see separate sheets in this section.

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 Section 6 of the General Rules and Regulations.

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**COMMERCIAL DEMAND BILLED SERVICE**

**RATE CODES: SMALL 119, LARGE 103**

Section No. 5

8th Revised Sheet No. 3

**AVAILABILITY**

This rate is available to any firm commercial and industrial customer as defined in Section 2. Customer's rate will be based on peak day demand: Small – less than 500 Therms; and Large – at least 500 Therms. Gas consumed under this rate schedule must be separately metered from customer's other firm gas requirements.

**CHARACTER OF SERVICE**

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.

**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 plus demand costs (including distribution and cost of gas) which is based on the customer's demand in Therms as defined below. 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 plus the Demand Charge as listed below.

<b>RATE</b>	<b>SMALL</b>	<b>LARGE</b>
Customer Charge per Month	\$150.00	\$275.00
Distribution Charge per Therm	\$0.044978	\$0.044978
Distribution Demand Charge per Therm per Month of Billing Demand	\$0.809470	\$0.809470
Commodity Base Cost of Gas per Therm	\$0.53874	\$0.53874
Demand Base Cost of Gas per Therm per Month of Billing Demand	\$0.59664	\$0.59664

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(Continued on Sheet No. 5-3.1)

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

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**COMMERCIAL DEMAND BILLED SERVICE (Continued)**

Section No. 5

**RATE CODES: SMALL 119, LARGE 103**

7th Revised Sheet No. 3.1

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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.

(Continued on Sheet No. 5-4)

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**COMMERCIAL DEMAND BILLED SERVICE (Continued)**

Section No. 5

**RATE CODES: SMALL 119, LARGE 103**

9th Revised Sheet No. 4

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**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.

**DETERMINATION OF MONTHLY BILLING DEMAND**

The demand in Therms for billing purposes for the month in which bill is rendered shall be the greater of:

1. The highest daily consumption recorded during the billing month; or
2. The firm contract quantity specified in the service agreement between Company and customer; or
3. The highest daily consumption previously recorded at customer's meter location.

A customer who installs equipment which would verifiably reduce customer's firm demand under this service schedule may request a restated firm contract quantity by providing such verification to Company and entering into new service agreement with Company.

Where customer has alternate fuel capability for load in excess of contract demand, additional volumes will be provided on an interruptible basis at rates equal to the applicable rates for equivalent interruptible service.

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. The Company will complete customer curtailment notification testing by December 1 annually.

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**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.

**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 Section 5.

**LOW INCOME ENERGY DISCOUNT RIDER**

All customer bills under this rate are subject to the adjustment provided for in the Low Income Energy Discount Rider. For information on the Low Income Energy Discount Rider, see separate sheets in this section.

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 Section 6 of the General Rules and Regulations.

(Continued on Sheet No. 5-4.1)

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

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**COMMERCIAL DEMAND BILLED SERVICE (Continued)**  
**RATE CODES: SMALL 119, LARGE 103**

Section No. 5  
5th Revised Sheet No. 4.1

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**DEMAND CHARGE ADJUSTMENT FOR CURTAILMENT**

During any billing period, if gas is not available to the customer due to curtailment of gas supply by Company, the monthly demand charge shall be reduced in proportion to the amount of curtailment during such billing period.

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

For the initial occurrence, a customer failing to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company, 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. Subsequent failures by the customer to fully or partially curtail, interrupt, or otherwise restrict use when requested by the Company, customer shall pay the higher of (i) \$10.00 per Therm or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

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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.

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.

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.

**TERM OF AGREEMENT**

Unless otherwise agreed, Commercial Demand Billed service shall be for a period of 12 months once billing demand is established, with a 12-month notice of termination.

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

**LARGE FIRM TRANSPORTATION SERVICE  
RATE CODE 104**

Section No. 5  
8th Revised Sheet No. 5

**AVAILABILITY**

This rate is available to a customer who has made arrangements to have gas other than Company system supply delivered to a Company town border station and whose peak daily demand requirements are 500 Therms or more per meter location. Company may, at its option, take title to transportation gas if necessary to arrange interstate pipeline transportation to Company town border station.

**CHARACTER OF SERVICE**

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.

**DETERMINATION OF CUSTOMER BILLS**

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

**MONTHLY MINIMUM CHARGE**

Customer Charge and Distribution Demand Charge as listed below.

**RATE**

Customer Charge per Month	\$300.00
Distribution Demand Charge per Therm per Month of Billing Demand	\$0.809470
Fixed Distribution Charge per Therm	\$0.044978

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Flexible Demand Charge. Company and customer will agree to a price between \$0.058933 and \$1.560007 per Therm per Month of Billing Demand. Unless otherwise agreed, a five day notice of price change shall be provided.

Flexible Distribution Charge. Company and customer will agree to a price between \$0.003924 and \$0.091100 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.

(Continued on Sheet No. 5-6)

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**LARGE FIRM TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 104**

Section No. 5  
9th Revised Sheet No. 6

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**RATE (Continued)**

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 for price reasons.

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.

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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.

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**LARGE FIRM TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 104**

Section No. 5  
8th Revised Sheet No. 6.1

**DETERMINATION OF MONTHLY BILLING DEMAND**

The demand in Therms for billing purposes for the month in which bill is rendered shall be the greater of:

1. The highest daily consumption recorded during the billing month; or
2. The firm contract quantity specified in the service agreement between Company and customer;  
or
3. The highest daily consumption previously recorded at customer's meter location.

A customer who installs equipment which would verifiably reduce customer's firm demand under this service schedule may request a restated firm contract quantity by providing such verification to Company and entering into new service agreement with Company. Where customer has alternate fuel capability for load in excess of contract demand, additional volumes will be provided on an interruptible basis at rates equal to the applicable rates for equivalent interruptible service.

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. The Company will complete customer curtailment notification testing by December 1 annually.

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**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.

**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.

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 Section 6 of the General Rules and Regulations.

(Continued on Sheet No. 5-6.2)

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

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**LARGE FIRM TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 104**

Section No. 5  
1st Revised Sheet No. 6.2

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**NOMINATIONS**

Customer shall, on a daily basis, provide Company with daily gas volumes, or nominations, to be delivered during the following gas day commencing at 9:00 a.m. CCT. Customer shall submit nominations to Company at least ten minutes in advance of the following standardized nomination times:

Timely	11:30 a.m.
Evening	6:00 p.m.
Intra-day 1	10:00 a.m.
Intra-day 2	5:00 p.m.
Final a.m.	8:00 a.m.

The Timely and Evening nominations are prior to the start of a Gas Day. The Timely nomination is mandatory. The remaining four nomination times are optional. Intra-day nomination changes are subject to Elapsed Prorated Scheduled Quantity (EPSQ) rules. EPSQ is defined as the portion of the scheduled gas quantity that would have flowed, up to the effective time of gas flow of the intra-day nomination. EPSQ rules divide a daily nomination into 24 hourly increments. Intra-day 1 nominations may not be less than sixteen hours of prorated flow (effective time of 5:00 p.m.). Intra-day 2 nominations may not be less than 12 hours of prorated flow (effective time of 9:00 p.m.). Final a.m. nominations are allowed by Northern Natural Gas Company (NNG) and can only be used in conjunction with injections or withdrawals from storage.

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(Continued on Sheet No. 5-7)

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

**LARGE FIRM TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 104**

Section No. 5  
5th Revised Sheet No. 7

**IMBALANCE PROVISIONS**

Daily Variance Penalty. When customer's actual daily receipts from the Company are more than  $\pm 5\%$  of customer's daily nomination, customer is subject to imbalance penalties. The net daily variance will be determined by comparing customer's actual metered use with the volume nominated. The net daily variance will not be subject to an imbalance penalty if customer use does not deviate more than  $\pm 5\%$ . If customer use deviates more than  $\pm 5\%$ , the net daily variance will be whatever amount is in excess of the  $\pm 5\%$  deviation. The net daily variance will be assessed a penalty of \$0.05 per Therm. However, in the event of an operational flow order (OFO), system operation limitation (SOL) or critical day, customer's daily receipts shall be limited to customer's daily nomination.

For customers on the NNG system, if NNG has called a system underrun limitation (SUL), the customer's actual daily receipts must not be less than 95% of their daily nomination, or customer will pay an additional charge equal to the NNG daily delivery variance charge in effect for such day multiplied by the difference between 95% of the customer's daily nomination and the customer's actual daily receipts.

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Monthly Cashout Mechanism. The customer's monthly imbalance is the difference between (1) the sum of customer's daily nominations for the month and (2) the customer's actual metered use, plus the lost and unaccounted for factor. Monthly imbalances will not be carried forward to the next calendar month.

**MONTHLY UNDERTAKE / OVERTAKE CHARGE**

Customer using less gas than the volume customer nominated and delivered to the Company system on the customer's behalf agrees to sell the undertake to Company at the applicable undertake rate. Customer using more gas than the volume customer nominated and delivered to the Company system on the customer's behalf agrees to purchase the overtake at the applicable overtake rate. The Monthly Index Price (MIP) shall equal the arithmetic average of all "Weekly Weighted Average Price" values published by the Gas Daily during the month for gas delivered to NNG's Ventura point. The Interruptible Transportation Commodity (ITC) and Firm Transportation Commodity (FTC) shall equal the applicable pipeline Interruptible and Firm Transportation Commodity rates, respectively, and all applicable pipeline charges including, but not limited to: fuel rates and surcharges.

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Imbalance Level	Overtake Charge	Undertake Charge
0% - 3%	MIP * 1.00 + ITC	MIP * 1.00 + FTC
>3% - 5%	MIP * 1.02 + ITC	MIP * 0.98 + FTC
>5% - 10%	MIP * 1.10 + ITC	MIP * 0.90 + FTC
>10% - 15%	MIP * 1.20 + ITC	MIP * 0.80 + FTC
>15% - 20%	MIP * 1.30 + ITC	MIP * 0.70 + FTC
>20%	MIP * 1.40 + ITC	MIP * 0.60 + FTC

(Continued on Sheet No. 5-8)

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**LARGE FIRM TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 104**

Section No. 5  
6th Revised Sheet No. 8

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**MONTHLY UNDERTAKE / OVERTAKE CHARGE (Continued)**

All conditions of the monthly cashout mechanism apply unless customer and Company agree otherwise.  
However, Company will treat similarly situated customers on a non-discriminatory basis.

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

For the initial occurrence, a customer failing to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company due to interruption of customer's gas supply upstream from Company's distribution system, 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. Subsequent failures by the customer to fully or partially curtail, interrupt, or otherwise restrict use when requested by the Company, customer shall pay the higher of (i) \$10.00 per Therm or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

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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.

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.

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.

(Continued on Sheet No. 5-9)

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

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

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**LARGE FIRM TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 104**

Section No. 5  
3rd Revised Sheet No. 9

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**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.

**COMPANY OBLIGATION TO SERVE**

Upon termination of this service Company's obligation to provide service under any other rate schedule shall be consistent with the obligation to serve other new customers. Rules and regulations defining Company obligation are set out in Section 6 of this rate book.

**RECEIPT GAS QUALITY**

The gas to be delivered to Company by customer shall be of merchantable quality and shall meet the minimum quality standards established by the interstate pipeline company serving the community in which customer is located. Company may refuse to accept delivery of gas which does not meet this quality standard.

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Date Filed:	11-12-09	By: Judy M. Pofert	Effective Date:	05-01-11
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Docket No.	G002/GR-09-1153		Order Date:	12-06-10



**INTERRUPTIBLE SERVICE**

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

Section No. 5  
9th Revised Sheet No. 10

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**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. The Company will complete customer curtailment notification testing by December 1 annually.

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**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)

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

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

Section No. 5  
1st Revised Sheet No. 10.1

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**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	\$0.091214	\$0.044978	\$0.041143
Base Cost of Gas per Therm	\$0.54926	\$0.54696	\$0.55006

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(Continued on Sheet No. 5-11)

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		President, Northern States Power Company, a Minnesota corporation		
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**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)

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Docket No.	G002/GR-09-1153		Order Date:	12-06-10

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

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

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**INTERRUPTIBLE SERVICE (Continued)**

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

Section No. 5

2nd Revised Sheet No. 11.1

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**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.

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**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)

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Effective Date: 02-01-15

President, Northern States Power Company, a Minnesota corporation

Docket No. G002/M-14-336

Order Date: 01-27-15

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

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

Section No. 5  
6th 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**

For the initial occurrence, a customer failing to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company, 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. Subsequent failures by the customer to fully or partially curtail, interrupt, or otherwise restrict use when requested by the Company, customer shall pay the higher of (i) \$10.00 per Therm or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

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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.

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.

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. Customers receiving interruptible service without suitable and adequate back-up or the ability to cease consumption by shutting down process load may be moved to a firm 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.

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(Continued on Sheet No. 5-13)

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

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

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

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

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**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.

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**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.

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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

**INTERRUPTIBLE TRANSPORTATION SERVICE**  
**RATE CODES: SMALL 123, MEDIUM 107, LARGE 124**

Section No. 5  
6th Revised Sheet No. 16

**AVAILABILITY**

This rate is available on an interruptible basis to a commercial or industrial customer who has made arrangements to have gas other than Company system supply delivered to a Company town border station. 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. The Company will complete customer curtailment notification testing by December 1 annually.

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**CHARACTER OF SERVICE**

Delivery of gas hereunder shall be subject to curtailment whenever requested by Company. Company may, at its option, take title to transportation gas if necessary to arrange interstate pipeline transportation to Company town border station. 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.

**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.

**MONTHLY MINIMUM CHARGE**

Customer Charge as listed below.

<b>RATE</b>	<b>SMALL</b>	<b>MEDIUM</b>	<b>LARGE</b>
Customer Charge per Month	\$170.00	\$325.00	\$475.00
Fixed Distribution Charge per Therm	\$0.091214	\$0.044978	\$0.041143

(Continued on Sheet No. 5-17)

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

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**INTERRUPTIBLE TRANSPORTATION SERVICE (Continued)**  
**RATE CODES: SMALL 123, MEDIUM 107, LARGE 124**

Section No. 5  
7th Revised Sheet No. 17

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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.

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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.

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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 for price reasons.

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.

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(Continued on Sheet No. 5-17.1)

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

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

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**INTERRUPTIBLE TRANSPORTATION SERVICE (Continued)**  
**RATE CODES: SMALL 123, MEDIUM 107, LARGE 124**

Section No. 5  
1st Revised Sheet No. 17.1

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**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. 5-18)

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

**INTERRUPTIBLE TRANSPORTATION SERVICE (Continued)**  
**RATE CODES: SMALL 123, MEDIUM 107, LARGE 124**

Section No. 5  
7th Revised Sheet No. 18

**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.

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**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.

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 Section 6 of the General Rules and Regulations.

**NOMINATIONS**

Customer shall, on a daily basis, provide Company with daily gas volumes, or nominations, to be delivered during the following gas day commencing at 9:00 a.m. CCT. Customer shall submit nominations to Company at least ten minutes in advance of the following standardized nomination times:

Timely	11:30 a.m.
Evening	6:00 p.m.
Intra-day 1	10:00 a.m.
Intra-day 2	5:00 p.m.
Final a.m.	8:00 a.m.

The Timely and Evening nominations are prior to the start of a Gas Day. The Timely nomination is mandatory. The remaining four nomination times are optional. Intra-day nomination changes are subject to Elapsed Prorated Scheduled Quantity (EPSQ) rules. EPSQ is defined as the portion of the scheduled gas quantity that would have flowed, up to the effective time of gas flow of the intra-day nomination. EPSQ rules divide a daily nomination into 24 hourly increments. Intra-day 1 nominations may not be less than sixteen hours of prorated flow (effective time of 5:00 p.m.). Intra-day 2 nominations may not be less than 12 hours of prorated flow (effective time of 9:00 p.m.). Final a.m. nominations are allowed by Northern Natural Gas Company (NNG) and can only be used in conjunction with injections or withdrawals from storage. The Company reserves the right to refuse nominations to maintain balance of its system.

(Continued on Sheet No. 5-18.1)

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

**INTERRUPTIBLE TRANSPORTATION SERVICE (Continued)**  
**RATE CODES: SMALL 123, MEDIUM 107, LARGE 124**

Section No. 5  
3rd Revised Sheet No. 18.1

**IMBALANCE PROVISIONS**

Daily Variance Penalty. When customer's actual daily receipts from Company are more than  $\pm 5\%$  of customer's daily nomination, customer is subject to imbalance penalties. The net daily variance will be determined by comparing customer's actual metered use with the volume nominated. The net daily variance will not be subject to an imbalance penalty if customer use does not deviate more than  $\pm 5\%$ . If customer use deviates more than  $\pm 5\%$ , the net daily variance will be whatever amount is in excess of the  $\pm 5\%$  deviation. The net daily variance will be assessed a penalty of \$0.05 per Therm.

For customers on the NNG system, if NNG has called a system underrun limitation (SUL), the customer's actual daily receipts must not be less than 95% of their daily nomination, or customer will pay an additional charge equal to the NNG daily delivery variance charge in effect for such day multiplied by the difference between 95% of the customer's daily nomination and the customer's actual daily receipts.

Monthly Cashout Mechanism. The customer's monthly imbalance is the difference between (1) the sum of customer's daily nominations for the month and (2) the customer's actual metered use, plus the lost and unaccounted for factor. Monthly imbalances will not be carried forward to the next calendar month.

**MONTHLY UNDERTAKE / OVERTAKE CHARGE**

Customers using less gas than the volume customer nominated and delivered to the Company system on the customer's behalf agree to sell the undertake to Company at the applicable undertake rate. Customer using more gas than the volume customer nominated and delivered to the Company system on the customer's behalf agrees to purchase the overtake at the applicable overtake rate. The Monthly Index Price (MIP) shall equal the arithmetic average of all "Weekly Weighted Average Price" values published by the Gas Daily during the month for gas delivered to NNG's Ventura point. The Interruptible Transportation Commodity (ITC) and Firm Transportation Commodity (FTC) shall equal the applicable pipeline Interruptible and Firm Transportation Commodity rates, respectively, and all applicable pipeline charges including, but not limited to: fuel rates and surcharges.

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IMBALANCE LEVEL	OVERTAKE CHARGE	UNDERTAKE CHARGE
0% - 3%	MIP * 1.00 + ITC	MIP * 1.00 + FTC
>3% - 5%	MIP * 1.02 + ITC	MIP * 0.98 + FTC
>5% - 10%	MIP * 1.10 + ITC	MIP * 0.90 + FTC
>10% - 15%	MIP * 1.20 + ITC	MIP * 0.80 + FTC
>15% - 20%	MIP * 1.30 + ITC	MIP * 0.70 + FTC
>20%	MIP * 1.40 + ITC	MIP * 0.60 + FTC

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All conditions of the monthly cashout mechanism apply unless customer and Company agree otherwise. However, Company will treat similarly situated customers on a non-discriminatory basis.

(Continued on Sheet No. 5-19)

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

**INTERRUPTIBLE TRANSPORTATION SERVICE (Continued)**  
**RATE CODES: SMALL 123, MEDIUM 107, LARGE 124**

Section No. 5  
7th Revised Sheet No. 19

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

For the initial occurrence, a customer failing to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company, due to interruption of customer's gas supply upstream from Company's distribution system, 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. Subsequent failures by the customer to fully or partially curtail, interrupt, or otherwise restrict use when requested by the Company, customer shall pay the higher of (i) \$10.00 per Therm or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

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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 NNG 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.

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.

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. Customers receiving interruptible service without suitable and adequate back-up or the ability to cease consumption by shutting down process load may be moved to a firm 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.

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**CURTAILMENT CONDITIONS**

On days when customer has gas available for delivery at the town border station, curtailment may result from capacity limitations on the Company's distribution system or other operational considerations.

(Continued on Sheet No. 19.1)

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

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

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**INTERRUPTIBLE TRANSPORTATION SERVICE (Continued)**

**RATE CODES: SMALL 123, MEDIUM 107, LARGE 124**

Section No. 5  
Original Sheet No. 20  
(Renumbered from 5-19.1)

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**RECEIPT GAS QUALITY**

The gas to be delivered to Company by customer shall be of merchantable quality and shall meet the minimum quality standards established by the interstate pipeline company serving the community in which customer is located. Company may refuse to accept delivery of gas which does not meet this quality standard.

**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.

**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.

**COMPANY OBLIGATION TO SERVE**

Upon termination of this service Company's obligation to provide service under any other rate schedule shall be consistent with the obligation to serve other new customers. Rules and regulations defining Company obligation are set out in Section 6 of this rate book.

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		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/GR-09-1153		Order Date:	12-06-10

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

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**NEGOTIATED TRANSPORTATION SERVICE  
RATE CODE 114**

Section No. 5  
2nd Revised Sheet No. 23

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**AVAILABILITY**

Any commercial / industrial customer able to demonstrate that physical bypass of the Company's distribution system is economically feasible and practical shall be eligible.

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. The Company will complete customer curtailment notification testing by December 1 annually.

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**SPECIAL TERMS AND CONDITIONS**

1. Customer must provide Company with information documenting the availability of bypass and customer's intent to physically bypass the Company's facilities absent service hereunder.
2. Customer shall enter into a contract with the Company specifying the nature of the service to be supplied, the rates to be paid, and such other Terms and Conditions of Service as are mutually agreeable but not contrary to any of the specific Terms and Conditions set forth on this tariff.
3. The contract term under this service classification shall be no less than one year. During the contract term, the agreed upon distribution and customer charges must be within the Rate ranges stated above. Unless otherwise agreed, upon expiration of term, the Agreement continues in force until terminated by at least 180 days written notice by either party.
4. The rates set forth herein apply only to the transportation of gas by Company. In addition, if Company agrees, customer may purchase gas from the Company during any month at the Company's monthly gas demand (if applicable) cost and commodity rate filed with the Department of Public Service under the Purchased Gas Adjustment. The applicable charge shall be based on the customer's class under which customer would take service as a sales customer of the Company.

**CHARACTER OF SERVICE**

Service shall be provided through a Company owned meter with telemetering or other automated meter reading capabilities installed. Company will install and maintain the telemetering facilities. Customer shall provide, install, and maintain a weatherproof phone service and electrical service outlet with appropriate grounding for telemetering equipment.

**DETERMINATION OF CUSTOMER BILLS**

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

**MONTHLY MINIMUM CHARGE**

The minimum monthly charge is the customer charge. If mutually agreed, the customer may be subject to a minimum annual commodity quantity at the agreed to distribution rate in lieu of a fixed monthly or annual distribution charge.

(Continued on Sheet No. 5-24)

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

**NEGOTIATED TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 114**

Section No. 5  
1st Revised Sheet No. 24

**RATE**

	<u>Interruptible</u>		<u>Firm*</u>	
	<u>Minimum</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Maximum</u>
Customer Charge per Month	\$75.00	\$525.00	\$75.00	\$525.00
Flexible Distribution Charge per Therm	\$0.002934	\$0.083988	\$0.004594	\$0.092332

\*Rate includes both demand and commodity cost components.

Company may negotiate customer specific rates within these ranges to compete with customer's bypass cost. The specific charges for service under this classification shall be stated in the Agreement executed with each customer served hereunder.

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

**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.

**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.

**SURCHARGE**

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

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 Section 6 of the General Rules and Regulations.

(Continued on Sheet No. 5-25)

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		President, Northern States Power Company, a Minnesota corporation		
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**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**NEGOTIATED TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 114**

Section No. 5  
Original Sheet No. 25

**NOMINATIONS**

Customer shall, on a daily basis, provide Company with daily gas volumes, or nominations, to be delivered during the following gas day commencing at 9:00 a.m. CCT. Customer shall submit nominations to Company at least ten minutes in advance of the following standardized nomination times:

Timely	11:30 a.m.
Evening	6:00 p.m.
Intra-day 1	10:00 a.m.
Intra-day 2	5:00 p.m.
Final AM	8:00 a.m.

The Timely and Evening nominations are prior to the start of a Gas Day. The Timely nomination is mandatory. The remaining four nomination times are optional. Intra-day nomination changes are subject to Elapsed Prorated Scheduled Quantity (EPSQ) rules. EPSQ is defined as the portion of the scheduled gas quantity that would have flowed, up to the effective time of gas flow of the intra-day nomination. EPSQ rules divide a daily nomination into 24 hourly increments. Intra-day 1 nominations may not be less than sixteen hours of prorated flow (effective time of 5:00 p.m.). Intra-day 2 nominations may not be less than 12 hours of prorated flow (effective time of 9:00 p.m.). Final AM nominations are allowed by Northern Natural Gas (NNG) and can only be used in conjunction with injections or withdrawals from storage.

**IMBALANCE PROVISIONS**

Daily Variance Penalty. When customer's actual daily receipts from the Company are more than  $\pm 5\%$  of customer's daily nomination, customer is subject to imbalance penalties. The net daily variance will be determined by comparing customer's actual metered use with the volume nominated. The net daily variance will not be subject to an imbalance penalty if customer use does not deviate more than  $\pm 5\%$ . If customer use deviates more than  $\pm 5\%$ , the net daily variance will be whatever amount is in excess of the  $\pm 5\%$  deviation. The net daily variance will be assessed a penalty of \$0.05 per Therm. However, in the event of an operational flow order (OFO), system operation limitation (SOL), or crucial day, customer's daily receipts shall be limited to customer's daily nomination.

For customers on the NNG system, if NNG has called a system underrun limitation (SUL), the customer's actual daily receipts must not be less than 95% of their daily nomination, or customer will pay an additional charge equal to the NNG daily delivery variance change in effect for such day multiplied by the difference between 95% of the customer's daily nomination and the customer's actual daily receipts.

Monthly Cashout Mechanism. The customer's monthly imbalance is the difference between (1) sum of customer's daily nominations for the month, and (2) the customer's actual metered use, plus the currently effective distribution fuel loss factor. Monthly imbalances will not be carried forward to the next calendar month.

(Continued on Sheet No. 5-26)

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



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

**NEGOTIATED TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 114**

Section No. 5  
7th Revised Sheet No. 26

**MONTHLY UNDERTAKE / OVERTAKE CHARGE**

Customer using less gas than the volume customer nominated and delivered to the Company system on the customer's behalf agrees to sell the undertake gas to Company at the applicable undertake rate. Customer using more gas than the volume customer nominated and delivered to the Company system on the customer's behalf agrees to purchase the overtake at the applicable overtake rate. The Monthly Index Price (MIP) shall equal the arithmetic average of all "Weekly Weighted Average Price" values published by the Gas Daily during the month for gas delivered to NNG's Ventura point. The Interruptible Transportation Commodity (ITC) and Firm Transportation Commodity (FTC) shall equal the applicable pipeline Interruptible and Firm Transportation Commodity rates, respectively, and all applicable pipeline charges including, but not limited to: fuel rates and surcharges.

<b>Imbalance Level</b>	<b>Overtake Charge</b>	<b>Undertake Charge</b>
0% - 3%	MIP * 1.00 + ITC	MIP * 1.00 + FTC
>3% - 5%	MIP * 1.02 + ITC	MIP * 1.02 + FTC
>5% - 10%	MIP * 1.10 + ITC	MIP * 1.10 + FTC
>10% - 15%	MIP * 1.20 + ITC	MIP * 1.20 + FTC
>15% - 20%	MIP * 1.30 + ITC	MIP * 1.30 + FTC
>20%	MIP * 1.40 + ITC	MIP * 1.40 + FTC

All conditions of the monthly cashout mechanism apply unless customer and Company agree otherwise. However, Company will treat similarly situated customers on a non-discriminatory basis.

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

For the initial occurrence, a customer failing to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company due to interruption of customer's gas supply upstream from Company's distribution system, 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. Subsequent failures by the customer to fully or partially curtail, interrupt, or otherwise restrict use when requested by the Company, customer shall pay the higher of (i) \$10.00 per Therm or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

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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 NNG 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.

(Continued on Sheet No. 5-27)

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

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**NEGOTIATED TRANSPORTATION SERVICE (Continued)**  
**RATE CODE 114**

Section No. 5  
2nd Revised Sheet No. 27

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

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.

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 or increase the per therm penalty as specified in Section 5, Sheet No. 26 for such unauthorized use of gas and/or move non-compliant customers to a different rate class. Customers receiving interruptible service without suitable and adequate back-up or the ability to cease consumption by shutting down process load may be moved to a firm 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.

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**COMPANY OBLIGATION TO SERVE**

Upon termination of this service Company's obligation to provide service under any other rate schedule shall be consistent with the obligation to serve other new customers. Rules and regulation defining Company obligation are set out in Section 6 of this rate book.

**RECEIPT GAS QUALITY**

The gas to be delivered to Company by customer shall be of merchantable quality and shall meet the minimum quality standards established by the interstate pipeline company serving the community in which customer is located. Company may refuse to accept delivery of gas which does not meet this quality standard.

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

**SMALL VOLUME FLEX INTERRUPTIBLE TRANSPORTATION  
OF CUSTOMER OWNED GAS (CLOSED)  
RATE CODE 157**

Section No. 5  
4th Revised Sheet No. 29

**AVAILABILITY**

This rate schedule is available to commercial and industrial customers located in the service areas served by Northern Natural Gas Company.

These service areas are located in Northern Natural Gas Company's Rate Zone 2.

This rate is available on an interruptible basis to any commercial or industrial customer who has made arrangements to have gas or other than normal company pipeline contract supply delivered to a Company city gate station whose daily requirements exceed 50 Mcf per day. Availability of service under this schedule is further limited to those customers that use, for reasons of price from a supplier not regulated by the Commission, an alternate fuel supply other than indigenous biomass energy supplies excluding customers of district heating facilities.

Customers whose only alternative source of energy is gas from a supplier not regulated by the Commission and who must use Company's system to transport the gas cannot take service under flexible tariffs. However, customers who have or can reasonably acquire the capability to bypass Company's system are eligible to take service under flexible tariffs.

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. The Company will complete customer curtailment notification testing by December 1 annually.

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**CHARACTER OF SERVICE**

Customer agrees:

1. To curtail use of gas, whenever requested, upon two hours notice by the Company or supplier;
2. To provide and maintain suitable and adequate standby facilities; and
3. To have available at all times sufficient standby fuel to maintain continuous plant operations during periods of curtailment in the delivery of gas sold hereunder.
4. Any customer receiving service under this schedule must accept all gas service according to the terms and conditions contained herein or under the small volume flex interruptible gas service schedule, for an initial period of not less than one year and monthly thereafter.
5. If a customer chooses to change to a nonflexible tariff after the initial year, they must give thirty days written notice prior to that change.

Customer owned gas will be transported on a best efforts basis and delivery of the gas hereunder shall be subject to curtailment whenever requested by Company or supplier, such requests to be made as far in advance as possible. The delivery of customer owned gas is contingent on adequate distribution system capacity.

(Continued on Sheet No. 5-30)

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

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**SMALL VOLUME FLEX INTERRUPTIBLE TRANSPORTATION  
OF CUSTOMER OWNED GAS (CLOSED) (Continued)  
RATE CODE 157**

Section No. 5  
1st Revised Sheet No. 30

**DETERMINATION OF CUSTOMER BILLS**

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

**MONTHLY MINIMUM CHARGE**

The minimum monthly charge is the customer charge. If mutually agreed, the customer may be subject to a minimum annual commodity quantity at the agreed to distribution rate in lieu of a fixed monthly or annual distribution charge.

**RATE**

Monthly Customer Charge	\$32.00
Commodity Charge	Negotiated Rate not Less than \$0.05000 per Mcf Negotiated Rate not More than \$2.7678 per Mcf
Default Rates	When the Company and the customer cannot reach a negotiated price agreement, the rate shall be \$2.7678 per Mcf.

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

**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.

**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.

**SURCHARGE**

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

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(Continued on Sheet No. 5-31)

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

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

**SMALL VOLUME FLEX INTERRUPTIBLE TRANSPORTATION  
OF CUSTOMER OWNED GAS (CLOSED) (Continued)  
RATE CODE 157**

Section No. 5  
Original Sheet No. 31  
(Renumbered from 29.1a)

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

**LATE PAYMENT CHARGE**

All bills are due and payable when rendered. The above rate plus 1.5% monthly (18% annual) is applicable upon bills exceeding \$10.00 not paid on or before next billing date, and each billing date thereafter upon which delinquency remains outstanding: minimum late payment charge is \$1.00.

**NOMINATIONS**

Customer shall, on a daily basis, provide Company with daily gas volumes, or nominations, to be delivered during the following gas day commencing at 9:00 a.m. CCT. Customer shall submit nominations to Company at least ten minutes in advance of the following standardized nomination times:

Timely	11:30 a.m.
Evening	6:00 p.m.
Intra-day 1	10:00 a.m.
Intra-day 2	5:00 p.m.
Final AM	8:00 a.m.

The Timely and Evening nominations are prior to the start of a Gas Day. The Timely nomination is mandatory. The remaining four nomination times are optional. Intra-day nomination changes are subject to Elapsed Prorated Scheduled Quantity (EPSQ) rules. EPSQ is defined as the portion of the scheduled gas quantity that would have flowed, up to the effective time of gas flow of the intra-day nomination. EPSQ rules divide a daily nomination into 24 hourly increments. Intra-day 1 nominations may not be less than sixteen hours of prorated flow (effective time of 5:00 p.m.). Intra-day 2 nominations may not be less than 12 hours of prorated flow (effective time of 9:00 p.m.). Final AM nominations are allowed by Northern Natural Gas (NNG) and can only be used in conjunction with injections or withdrawals from storage.

(Continued on Sheet No. 5-32)

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

**SMALL VOLUME FLEX INTERRUPTIBLE TRANSPORTATION  
OF CUSTOMER OWNED GAS (CLOSED) (Continued)  
RATE CODE 157**

Section No. 5  
Original Sheet No. 32  
(Renumbered from 5-29.2)

**IMBALANCE PROVISIONS**

Daily Variance Penalty. When customer's actual daily receipts from the Company are more than  $\pm 5\%$  of customer's daily nomination, customer is subject to imbalance penalties. The net daily variance will be determined by comparing customer's actual metered use with the volume nominated. The net daily variance will not be subject to an imbalance penalty if customer use does not deviate more than  $\pm 5\%$ . If customer use deviates more than  $\pm 5\%$ , the net daily variance will be whatever amount is in excess of the  $\pm 5\%$  deviation. The net daily variance will be assessed a penalty of \$0.05 per Therm. However, in the event of an operational flow order (OFO), system operation limitation (SOL), or crucial day, customer's daily receipts shall be limited to customer's daily nomination.

For customers on the NNG system, if NNG has called a system underrun limitation (SUL), the customer's actual daily receipts must not be less than 95% of their daily nomination, or customer will pay an additional charge equal to the NNG daily delivery variance change in effect for such day multiplied by the difference between 95% of the customer's daily nomination and the customer's actual daily receipts.

Monthly Cashout Mechanism. The customer's monthly imbalance is the difference between (1) sum of customer's daily nominations for the month, and (2) the customer's actual metered use, plus the currently effective distribution fuel loss factor. Monthly imbalances will not be carried forward to the next calendar month.

**MONTHLY UNDERTAKE / OVERTAKE CHARGE**

Customer using less gas than the volume customer nominated and delivered to the Company system on the customer's behalf agrees to sell the undertake gas to Company at the applicable undertake rate. Customer using more gas than the volume customer nominated and delivered to the Company system on the customer's behalf agrees to purchase the overtake at the applicable overtake rate. The Monthly Index Price (MIP) shall equal the arithmetic average of all "Weekly Weighted Average Price" values published by the Gas Daily during the month for gas delivered to NNG's Ventura point. The Interruptible Transportation Commodity (ITC) and Firm Transportation Commodity (FTC) shall equal the applicable pipeline Interruptible and Firm Transportation Commodity rates, respectively, and all applicable pipeline charges including, but not limited to: fuel rates and surcharges.

<b>Imbalance Level</b>	<b>Overtake Charge</b>	<b>Undertake Charge</b>
0% - 3%	MIP * 1.00 + ITC	MIP * 1.00 + FTC
>3% - 5%	MIP * 1.02 + ITC	MIP * 1.02 + FTC
>5% - 10%	MIP * 1.10 + ITC	MIP * 1.10 + FTC
>10% - 15%	MIP * 1.20 + ITC	MIP * 1.20 + FTC
>15% - 20%	MIP * 1.30 + ITC	MIP * 1.30 + FTC
>20%	MIP * 1.40 + ITC	MIP * 1.40 + FTC

All conditions of the monthly cashout mechanism apply unless customer and Company agree otherwise. However, Company will treat similarly situated customers on a non-discriminatory basis.

(Continued on Sheet No. 5-33)

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**SMALL VOLUME FLEX INTERRUPTIBLE TRANSPORTATION  
OF CUSTOMER OWNED GAS (CLOSED) (Continued)  
RATE CODE 157**

Section No. 5  
2nd Revised Sheet No. 33

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

For the initial occurrence, a customer failing to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company due to interruption of customer's gas supply upstream from Company's distribution system, 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. Subsequent failures by the customer to fully or partially curtail, interrupt, or otherwise restrict use when requested by the Company, customer shall pay the higher of (i) \$10.00 per Therm or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

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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 NNG 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.

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.

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. Customers receiving interruptible service without suitable and adequate back-up or the ability to cease consumption by shutting down process load may be moved to a firm 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.

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**COMPANY OBLIGATION TO SERVE**

Upon termination of this service Company's obligation to provide service under any other rate schedule shall be consistent with the obligation to serve other new customers. Rules and regulation defining Company obligation are set out in Section 6 of this rate book.

**RECEIPT GAS QUALITY**

The gas to be delivered to Company by customer shall be of merchantable quality and shall meet the minimum quality standards established by the interstate pipeline company serving the community in which customer is located. Company may refuse to accept delivery of gas which does not meet this quality standard.

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

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**PURCHASED GAS ADJUSTMENT CLAUSE**

Section No. 5  
2nd Revised Sheet No. 40

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**1. PURCHASED GAS ADJUSTMENT (PGA)**

The Purchased Gas Adjustment (PGA) equals the monthly billing Therms multiplied by the current Purchased Gas Adjustment Factor (PGAF). The PGAF is equal to the Current Cost of Gas Supply per Therm less the Base Cost of Gas per Therm to the nearest \$0.00001 per Therm as defined in Sections 2 and 3 below.

**2. CURRENT COST OF GAS SUPPLY**

The Current Cost of Gas Supply per Therm is developed by component for the NSP Minnesota Company Integrated Gas Supply System, hereafter called System, using currently effective supply, transportation, peak shaving, and other costs which the Commission determines from time to time, upon a miscellaneous filing by NSP, may be included in the Current Cost of Gas Supply. Commodity purchases, demand billing units, and sales used in the current cost calculations are those set out in the Company's purchased gas forecast and associated sales forecast. The current unit cost components are:

- a. Annual Demand Unit Cost is defined as that portion of the annual System cost of demand capacity assignable to the State of Minnesota on the basis of design day responsibility, less Commercial Demand Billed Service demand; divided by annual sales volume in Minnesota net of Commercial Demand Billed Service sales. Annual sales volume is calculated pursuant to MPUC Rule 7825.2400.

Winter Demand Unit Cost is defined as that portion of the System cost of winter seasonal demand capacity assignable to the State of Minnesota on the basis of design day responsibility, less Commercial Demand Billed Service; divided by November through March sales volume net of Commercial Demand Billed Service sales. Winter Demand Unit Cost is added to Annual Demand Unit Cost during the months of November through March.

- b. Commercial Demand Billed Service Demand Unit Cost is defined as that portion of the annual System cost of demand capacity assignable to the State of Minnesota divided by the Minnesota System design day units currently on file with the Minnesota Public Utilities Commission/Department of Public Service.
- c. Commodity Unit Cost is defined as the System commodity related costs forecasted to be incurred during the next month for customers in Minnesota, divided by Minnesota retail sales forecasted for the same month.

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(Continued on Sheet No. 5-41)

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		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/GR-09-1153		Order Date:	12-06-10



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

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**PURCHASED GAS ADJUSTMENT CLAUSE (Continued)**

Section No. 5  
7th Revised Sheet No. 41

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**2. CURRENT COST OF GAS SUPPLY (Continued)**

The Current Cost of Gas Supply per Therm for each rate schedule is calculated as shown below. It is recalculated monthly and is subject to change any time the current cost for any retail class of service listed below deviates by over \$0.003 per Therm from the Company's last filed PGA.

Residential and Commercial Firm Commodity	a + c
Commercial Demand Billed - Demand	b
Commercial Demand Billed, Interruptible - Commodity	c

**3. BASE COST OF GAS**

The monthly Base Cost of Gas per Therm for each rate schedule is as shown below.

	<u>April to October</u>	<u>November to March</u>
Residential Firm	\$0.59611	\$0.65392
Commercial Firm	\$0.59440	\$0.65221
Commercial Demand Billed – Commodity	\$0.53874	\$0.53874
Commercial Demand Billed – Demand*	\$0.59664	\$0.59664
Interruptible		
Small	\$0.54926	\$0.54926
Medium	\$0.54696	\$0.54696
Large	\$0.55006	\$0.55006

\* Per Therm of Billing Demand

**4. GAS SUPPLY COST TRUE-UP**

For each 12-month period ending June 30, a Gas Supply Cost True-Up factor will be calculated for each supply cost component described in Section 2 of this Clause. The true-up factors will be added to each supply cost component beginning with the first billing cycle each September and will remain in effect for 12 months.

(Continued on Sheet 5-42)

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Docket No.	G002/GR-09-1153		Order Date:	12-06-10

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

**PURCHASED GAS ADJUSTMENT CLAUSE (Continued)**

Section No. 5  
3rd Revised Sheet No. 42

**4. GAS SUPPLY COST TRUE-UP (Continued)**

For each supply component, the true-up difference factor is the sum of the annual true-up difference plus any over, or under, recovery of true-up obligation from the previous year, divided by the appropriate, budgeted annual sales beginning with the upcoming September sales. The annual true-up difference is the actual cost experienced during the 12 month period less annual gas cost recovered in retail rates. The actual cost experience shall include carrying cost, computed using the same rate as pipeline refunds, applied to the difference in the value of inventory levels associated with natural gas actually injected into underground storage during the 12 month period and the levels used to establish base rates. Annual gas cost recovered equals the unit rates used in calculating PGA during the period, multiplied by the sales during the period each of the unit rates were in effect.

**5. REFUNDS**

Refunds and interest thereon received from any supplier or transporter of purchased gas that are attributable to the cost of gas previously sold or to transportation of said gas will be refunded pursuant to Minn. Rules 7825.2700, Subp. 8, in effect from time to time. Upon approval of the Commission, refunds of less than \$5.00 per customer may be retained by the Company and separately accounted for until such time as the balance, together with additional supplier refunds, produces a refund of \$5.00 or more per customer.

**6. LOST AND UNACCOUNTED FOR GAS**

The annual Gas Supply Cost True-up shall include an adjustment for net lost and unaccounted for (LAUF) gas volumes provided by Firm Transportation Service, Interruptible Transportation Service and Negotiated Transportation Service customers pursuant to the monthly cash-out mechanism. The LAUF factor applicable to such Transportation Service tariffs shall be the factor on file with the Commission from time-to-time.

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**CONSERVATION IMPROVEMENT PROGRAM  
ADJUSTMENT RIDER**

Section No. 5  
33rd Revised Sheet No. 43

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**APPLICABILITY**

Applicable to bills for gas and/or transportation service provided under the Company's retail rate schedules.  
Exemptions are as follows:

"Large Energy Facility," as defined in Minn. Stat. 216B.2421 customers shall receive a monthly exemption from conservation improvement program charges pursuant to Minn. Stat. 216B.16, subd. 6b Energy Conservation Improvement. Upon exemption from conservation program charges, the "Large Energy Facility" customers can no longer participate in any utility's Energy Conservation Improvement Program.

"Large Customer Facility" customers that have been exempted from the Company's Conservation Improvement program charges pursuant to Minn. Stat. 216B.241 subd. 1a (b) shall receive a monthly exemption from conservation improvement program charges pursuant to Minn. Stat. 216B.16, subd. 6b Energy Conservation Improvement. Such monthly exemption will be effective beginning January 1 of the year following the grant of exemption. Upon exemption from conservation program charges, the "Large Customer Facility" customers can no longer participate in the Company's Energy Conservation Improvement Program.

"Commercial Gas Customers" that have been exempted from the Company's Conservation Improvement Program charges pursuant to Minn. Stat. 216B.241, subd. 1a (c) shall receive a monthly exemption from conservation improvement program charges pursuant to Minn. Stat. 216B.16, subd. 6b Energy Conservation Improvement. Such monthly exemption will be effective beginning January 1 of the year following the grant of exemption. Upon exemption from conservation program charges, the "Commercial Gas Customers" can no longer participate in the Company's Energy Conservation Improvement Program. The Company has fewer than 600,000 natural gas customers in Minnesota, thus making the Company subject to this Minnesota Statute.

**RIDER**

There shall be included on each non-exempt customer's monthly bill a Conservation Improvement Program (CIP) Adjustment, which shall be calculated by multiplying the monthly applicable billing terms for gas service by the CIP Adjustment Factor.

**DETERMINATION OF CONSERVATION IMPROVEMENT PROGRAM ADJUSTMENT FACTOR**

The CIP Adjustment Factor shall be calculated for each customer class by dividing the Recoverable Conservation Improvement Program Expense by the Projected Retail Sales for a designated recovery period. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission. The CIP Adjustment Factor for all rate schedules is:

All Classes

\$0.16276 per Dth

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Recoverable Conservation Improvement Program Expense shall be the CIP expense not recovered through base rates as determined from the CIP Tracker account balance for a designated period. All costs appropriately charged to the CIP Tracker Account shall be eligible for recovery through this Rider. All revenues received from the CIP Adjustment Factor shall be credited to the CIP Tracker Account.

Projected Retail Sales shall be estimated therm sales to all non-exempt customers for the designated recovery period.

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(Continued on Sheet No. 5-43.1)

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Date Filed:	04-01-20	By: Christopher B. Clark	Effective Date:	10-01-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	G002/M-20-403		Order Date:	08-18-20

**CONSERVATION IMPROVEMENT PROGRAM  
ADJUSTMENT RIDER (Continued)**

Section No. 5  
Original Sheet No. 43.1

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**DETERMINATION OF CONSERVATION COST RECOVERY CHARGE (CCRC)**

The CCRC is the amount included in base rates dedicated to the recovery of CIP costs as approved by the Minnesota Public Utilities Commission (or successor agency) in the Company's last general rate case. The CCRC is approved and applied on a per therm basis by dividing the test-year CIP expenses by the test-year sales volumes (net of CIP-exempt volumes). All revenues received from the CCRC shall be credited to the CIP Tracker Account. The CCRC for all rate schedules is:

All Classes	\$0.005240 per therm
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**DETERMINATION OF CCRC EXEMPTION ADJUSTMENT FACTOR**

For "Large Customer Facilities" and "Commercial Gas Customers", as defined in Minn. Stat. 216B.241 subd. 1, exempted by the Commissioner of the Minnesota Department of Commerce, Division of Energy Resources pursuant to Minn. Stat. 216B.241 and "Large Energy Facilities", as defined in Minn. Stat. 216B.2421, exempted pursuant to Minn. Stat. 216B.16 subd. 6b, the CIP Adjustment Factor shall not apply and monthly bills will include a CCRC Exemption Adjustment credit determined by multiplying total billing therms by the applicable CCRC Exemption Factor. Customers' accounts granted exemption by a decision of the Commissioner after the beginning of a calendar year shall be credited for any CIP collections billed after January 1st of the year following the Commissioner's decision. Upon exemption from conservation program charges, customers can no longer participate in Xcel Energy's gas Conservation Improvement Programs. The CCRC Exemption Adjustment Factor for all classes is:

All Classes	\$0.005240 per therm
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		President and CEO of Northern States Power Company, a Minnesota corporation		
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**SURCHARGE RIDER NO. 1**

Section No. 5  
9th Revised Sheet No. 44

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**DETERMINATION OF CHARGES UNDER THIS RIDER**

Customer bills under this rate will include the specific charges listed below.

**RIDER NO. 1**

A surcharge will be included in the monthly customer bills in Minnesota communities in an amount equal to any franchise gross earnings or other fee, permit or usage fee, excise, city sales or other charge or tax now or hereafter imposed upon Company by a community, whether by ordinance, franchise or otherwise, applicable to gas service supplied by Company to a customer.

The Company remits 100% of these fees collected from ratepayers to the local government unit.

The Company will notify the Minnesota Public Utilities Commission of any new, renewed, expired, or changed fee, authorized by Minn. Stat. § 216B.36 to raise revenue, at least 60 days prior to its implementation. If the Company receives less than 60 days' notice of a repealed or reduced fee from a city, the Company will notify the Minnesota Public Utilities Commission within 10 business days of receiving notice. Notification to the Minnesota Public Utilities Commission will include a copy of the relevant franchise fee ordinance or other operative document authorizing imposition of, or change in, the fee.

Affected customers will be notified on the first bill on which a new or modified fee is listed via the standard bill message below:

*[The municipality] imposes a [X% of gross revenues/\$X per meter/\$X per kWh/\$X per therm] fee on Xcel Energy collectable through a fee on Xcel Energy [electric/gas] accounts effective [effective date]. The line item appears on your bill as "City Fees." Xcel Energy remits 100% of this fee to [the municipality].*

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		President, Northern States Power Company, a Minnesota corporation		
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**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**FRANCHISE AND OTHER CITY FEES**

Section No. 5  
 22nd Revised Sheet No. 44.1

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

\* May include Negotiated Transportation Service. Any future NTS customer in a franchise city without a specific NTS franchise rate will be billed the Firm Transportation franchise fee.

Franchise Fees									
City	Residential	Commercial Firm – Non-demand	Commercial Firm – Demand	Small Interruptible	Medium & Large Interruptible	Firm Transportation*	Interruptible Transportation	Effective Date	Expiration Date
Afton	\$2.00	\$4.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	01/2005	08/16/2024
Barnesville	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	02/2015	10/13/2034
Baxter	\$2.00	\$7.00	\$65.00	\$65.00	\$65.00	\$65.00	\$65.00	06/2019	03/18/2039
Bayport	\$1.25	\$10.00	\$25.00	\$10.00	\$50.00	\$10.00	\$10.00	01/2014	05/04/2028
Big Lake	\$4.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	07/2020	04/07/2040
Centerville	\$4.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	05/2016	01/26/2036
Chisago City	\$1.00	\$3.00	\$35.00	\$30.00	\$30.00	\$30.00	\$30.00	06/2009	12/31/2029
Cottage Grove	\$1.65	\$4.95	\$8.25	\$16.50	\$24.75	\$24.75	\$24.75	01/2010	11/04/2023
Delano	\$0.0391 per therm	\$0.0391 per therm	\$0.0391 per therm	\$0.0391 per therm	\$0.0391 per therm	\$0.0391 per therm	\$0.0391 per therm	01/2003	--
East Grand Forks	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	12/2005	12/19/2025
Falcon Heights	\$1.75	\$8.50	\$75.00	\$50.00	\$100.00	\$15.00	\$15.00	10/2018	06/12/2038
Faribault <sup>1</sup>	\$1.96	\$4.57	\$39.20	\$111.08	\$326.70	—	—	01/2020	11/08/2024
Forest Lake	\$3.00	\$7.50	\$15.00	\$75.00	\$15.00	\$15.00	\$15.00	05/2013	01/27/2033
Goodview	\$2.35	\$3.50	\$55.00	\$30.00	—	—	—	07/2006	04/30/2026
Inver Grove Heights	\$2.00	\$10.50	\$50.00	\$90.00	\$100.00	\$15.00	\$15.00	01/2018	06/30/2029
Kandiyohi	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	04/2014	12/01/2033
Lake City	\$1.25	\$3.50	\$10.00	\$35.00	\$43.00	\$10.00	\$8.00	05/2019	02/10/2039

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(Continued on Sheet No. 5-44.2)

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

**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5  
 24th Revised Sheet No. 44.2

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

\* May include Negotiated Transportation Service. Any future NTS customer in a franchise city without a specific NTS franchise rate will be billed the Firm Transportation franchise fee.

Franchise Fees									
City	Residential	Commercial Firm – Non-demand	Commercial Firm – Demand	Small Interruptible	Medium & Large Interruptible	Firm Transportation*	Interruptible Transportation	Effective Date	Expiration Date
Lindstrom	\$2.00	\$8.00	—	\$65.00	—	—	—	04/2016	02/18/2029
Maplewood	\$3.00	\$12.00	\$100.00	\$75.00	\$110.00	\$2.50	\$2.50	11/2018	06/07/2035
Montrose	\$4.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	01/2020	09/08/2039
Moorhead	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	06/2015	02/08/2035
Mounds View	4%	4%	4%	4%	4%	4%	4%	01/2019	12/31/2021
New Brighton	\$0.030 per therm	\$0.022 per therm	\$0.004 per therm	\$0.010 per therm	\$0.006 per therm	\$0.005 per therm	\$0.005 per therm	03/2016	11/25/2022
Newport	\$1.00	\$5.00	\$10.00	\$15.00	\$15.00	\$15.00	\$15.00	01/2011	10/18/2026
North Branch	\$2.00	\$3.00	—	—	—	—	—	08/2018	04/09/2038
North St. Paul	2.75%	2.75%	\$0.005 per therm	\$0.005 per therm	\$0.005 per therm	\$0.005 per therm	\$0.005 per therm	03/2019	11/19/2038
Northfield	\$2.25	\$12.50	\$485.00	\$99.50	\$1,880.00	—	—	03/2021	12/03/2032
Oakdale	\$1.50	\$5.00	\$8.00	\$17.00	\$17.00	\$17.00	\$17.00	11/2013	10/27/2023
Pequot Lakes	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	07/2019	04/30/2021
Sauk Rapids	\$3.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	02/2016	06/15/2023
Shakopee	3.0%	3.0%	3.0%	3.0%	3.0%	—	—	02/2017	10/31/2036
Shoreview	\$2.25	\$13.00	—	\$115.00	—	—	—	01/2021	07/17/2031
South St. Paul	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	04/2018	04/05/2030

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(Continued on Sheet No. 5-44.3)

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

## MINNESOTA GAS RATE BOOK - MPUC NO. 2

### FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5  
6th Revised Sheet No. 44.3

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

\* May include Negotiated Transportation Service. Any future NTS customer in a franchise city without a specific NTS franchise rate will be billed the Firm Transportation franchise fee.

Franchise Fees									
City	Residential	Commercial Firm – Non-demand	Commercial Firm – Demand	Small Interruptible	Medium & Large Interruptible	Firm Transportation*	Interruptible Transportation	Effective Date	Expiration Date
Spicer	\$0.50	\$1.50	—	—	—	—	—	02/2013	10/01/2032
St. Augusta	\$3.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	06/2010	03/01/2030
St. Cloud <sup>1</sup>	3.0%	3.0%	3.0%	3.0%	—	3.0%	3.0% small	09/2007	08/31/2027
St. Joseph	\$1.00	\$1.75	\$10.00	\$0.005 per therm	\$0.005 per therm	\$0.005 per therm	\$0.005 per therm	02/2004	11/19/2023
St. Paul <sup>2</sup>	See fee schedule in the Notes section on the following sheets.							11/2007	08/31/2026
St. Paul Park	\$1.50	\$4.00	\$30.00	\$15.00	\$335.00	\$150.00	\$15.00	08/2005	05/15/2025
Stillwater	\$1.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	06/2015	02/16/2035
Vadnais Heights	\$2.50	\$7.00	\$60.00	—	\$120.00	—	—	01/2021	01/01/2038
West St. Paul	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	07/2019	04/07/2039

<sup>1</sup> St. Cloud: The franchise fee for residential heating customers will be 1.5% during the months of November – April.

<sup>2</sup> St. Paul: The monthly franchise fee will be as stated below. The residential service franchise fee will be as stated except during the winter months, November - April when there will be no fee. The fee shall not exceed \$50,000 during any calendar year from any negotiated transportation service customer. The schedules below show the meter and demand factor for each year of the St. Paul franchise and for each of the customer classifications.

(Continued on Sheet No. 5-44.4)

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

**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5  
 Original Sheet No. 44.4

Notes:  
<sup>2</sup> St. Paul:

Customer Class	Meter Factor - Monthly Charge per Account				
Start Date	1-Nov-2006	1-Nov-2008	1-Nov-2010	1-Nov-2012	1-Nov-2014
End Date	31-Oct-2008	31-Oct-2010	31-Oct-2012	31-Oct-2014	31-Oct-2016
Residential (May - October)	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70
Small Commercial Firm	\$3.72	\$3.72	\$3.72	\$3.72	\$3.72
Large Commercial Firm	\$3.72	\$3.72	\$3.72	\$3.72	\$3.72
Small Commercial Demand Billed	\$3.72	\$3.72	\$3.72	\$3.72	\$3.72
Large Commercial Demand Billed	\$11.17	\$11.17	\$11.17	\$11.17	\$11.17
Small Interruptible	\$8.17	\$8.17	\$8.17	\$8.17	\$8.17
Medium Interruptible	\$11.17	\$11.17	\$11.17	\$11.17	\$11.17
Large Interruptible	\$11.17	\$11.17	\$11.17	\$11.17	\$11.17
Large Firm Transportation	\$11.17	\$11.17	\$11.17	\$11.17	\$11.17
Interruptible Transportation - Small	\$8.17	\$8.17	\$8.17	\$8.17	\$8.17
Interruptible Transportation - Medium	\$11.17	\$11.17	\$11.17	\$11.17	\$11.17
Interruptible Transportation - Large	\$11.17	\$11.17	\$11.17	\$11.17	\$11.17
Negotiated Transportation *	-	-	-	-	-
Start Date	1-Nov-2016	1-Nov-2018	1-Nov-2020	1-Nov-2022	1-Nov-2024
End Date	31-Oct-2018	31-Oct-2020	31-Oct-2022	31-Oct-2024	31-Aug-2026
Residential (May - October)	\$3.85	\$4.00	\$4.16	\$4.33	\$4.50
Small Commercial Firm	\$3.87	\$4.02	\$4.18	\$4.35	\$4.53
Large Commercial Firm	\$3.87	\$4.02	\$4.18	\$4.35	\$4.53
Small Commercial Demand Billed	\$3.87	\$4.02	\$4.18	\$4.35	\$4.53
Large Commercial Demand Billed	\$11.62	\$12.08	\$12.56	\$13.07	\$13.59
Small Interruptible	\$8.50	\$8.84	\$9.19	\$9.56	\$9.94
Medium Interruptible	\$11.62	\$12.08	\$12.56	\$13.07	\$13.59
Large Interruptible	\$11.62	\$12.08	\$12.56	\$13.07	\$13.59
Large Firm Transportation	\$11.62	\$12.08	\$12.56	\$13.07	\$13.59
Interruptible Transportation - Small	\$8.50	\$8.84	\$9.19	\$9.56	\$9.94
Interruptible Transportation - Medium	\$11.62	\$12.08	\$12.56	\$13.07	\$13.59
Interruptible Transportation - Large	\$11.62	\$12.08	\$12.56	\$13.07	\$13.59
Negotiated Transportation *	-	-	-	-	-

\*Franchise fee is based on customer's prior rate schedule before transferring to this service. If none, the Large Interruptible Transportation Service fee applies.

(Continued on Sheet No. 5-44.5)

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 President and CEO of Northern States Power Company, a Minnesota corporation  
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**MINNESOTA GAS RATE BOOK - MPUC NO. 2**

**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5  
 Original Sheet No. 44.5

Notes:

<sup>2</sup> St. Paul: (continued)

Customer Class	Volume Factor - Monthly Charge per Therm				
	Start Date	1-Nov-2006	1-Nov-2008	1-Nov-2010	1-Nov-2012
End Date	31-Oct-2008	31-Oct-2010	31-Oct-2012	31-Oct-2014	31-Oct-2016
Residential (May - October)	\$0.0467	\$0.0635	\$0.0806	\$0.0977	\$0.1148
Small Commercial Firm	\$0.0489	\$0.0509	\$0.0529	\$0.0549	\$0.0569
Large Commercial Firm	\$0.0489	\$0.0509	\$0.0529	\$0.0549	\$0.0569
Small Commercial Demand Billed	\$0.0489	\$0.0509	\$0.0529	\$0.0549	\$0.0569
Large Commercial Demand Billed	\$0.0254	\$0.0274	\$0.0294	\$0.0314	\$0.0334
Small Interruptible	\$0.0275	\$0.0295	\$0.0315	\$0.0335	\$0.0355
Medium Interruptible	\$0.0084	\$0.0089	\$0.0094	\$0.0099	\$0.0104
Large Interruptible	\$0.0084	\$0.0089	\$0.0094	\$0.0099	\$0.0104
Large Firm Transportation	\$0.0254	\$0.0274	\$0.0294	\$0.0314	\$0.0334
Interruptible Transportation - Small	\$0.0275	\$0.0295	\$0.0315	\$0.0335	\$0.0355
Interruptible Transportation - Medium	\$0.0084	\$0.0089	\$0.0094	\$0.0099	\$0.0104
Interruptible Transportation - Large	\$0.0084	\$0.0089	\$0.0094	\$0.0099	\$0.0104
Negotiated Transportation *	-	-	-	-	-
Start Date	1-Nov-2016	1-Nov-2018	1-Nov-2020	1-Nov-2022	1-Nov-2024
End Date	31-Oct-2018	31-Oct-2020	31-Oct-2022	31-Oct-2024	31-Aug-2026
Residential (May - October)	\$0.1194	\$0.1242	\$0.1291	\$0.1343	\$0.1397
Small Commercial Firm	\$0.0592	\$0.0615	\$0.0640	\$0.0666	\$0.0692
Large Commercial Firm	\$0.0592	\$0.0615	\$0.0640	\$0.0666	\$0.0692
Small Commercial Demand Billed	\$0.0592	\$0.0615	\$0.0640	\$0.0666	\$0.0692
Large Commercial Demand Billed	\$0.0347	\$0.0361	\$0.0376	\$0.0391	\$0.0406
Small Interruptible	\$0.0369	\$0.0384	\$0.0399	\$0.0415	\$0.0432
Medium Interruptible	\$0.0108	\$0.0112	\$0.0117	\$0.0122	\$0.0127
Large Interruptible	\$0.0108	\$0.0112	\$0.0117	\$0.0122	\$0.0127
Large Firm Transportation	\$0.0347	\$0.0361	\$0.0376	\$0.0391	\$0.0406
Interruptible Transportation - Small	\$0.0369	\$0.0384	\$0.0399	\$0.0415	\$0.0432
Interruptible Transportation - Medium	\$0.0108	\$0.0112	\$0.0117	\$0.0122	\$0.0127
Interruptible Transportation - Large	\$0.0108	\$0.0112	\$0.0117	\$0.0122	\$0.0127
Negotiated Transportation *	-	-	-	-	-

\*Franchise fee is based on customer's prior rate schedule before transferring to this service. If none, the Large Interruptible Transportation Service fee applies.

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 President and CEO of Northern States Power Company, a Minnesota corporation  
 Docket No. E,G999/CI-09-970 Order Date: 03-23-11

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

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

**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5  
Original Sheet No. 44.6

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

Other City Fees				
City	Description		Effective Date	Expiration Date
No other city fees are currently in effect.				

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

**NEW AREA SURCHARGE AND EXTENSION  
SURCHARGE RIDERS**

Section No. 5  
2nd Revised Sheet No. 45

**AVAILABILITY**

Service under this rate schedule is available only to geographic areas that have not previously been served by Company. This rate schedule will enable natural gas service to be extended to areas where the cost would otherwise have been prohibitive under Company's present rates and service extension policy. Nothing in this rate schedule shall obligate Company to extend natural gas service to any area.

**APPLICABILITY AND CHARACTER OF SERVICE**

All customers on this rate shall receive service according to the terms and conditions of one of Company's gas tariff services.

**RATE**

As authorized by the MPUC, the total billing rate for any customer class will be the approved rate for that customer class plus a fixed monthly surcharge. All customers in the same rate class will be billed the same surcharge. Projects will be categorized as a New Area Surcharge or Extension Surcharge project as defined below.

New Area Surcharge (NAS) – An extension project where the transmission pipeline is built and owned by the Company. The NAS revenue will be treated as a contribution-in-aid of construction (CIAC) for accounting purposes.

Extension Surcharge (ES) – An extension project where all or part of the new transmission pipeline is built and owned by a third party. For accounting purposes, the ES revenue will first be applied as revenue up to the level of the third-party demand entitlement contract used to extend the pipeline to serve the new area. Revenue in excess of demand entitlement expense will be treated as CIAC.

**METHOD**

A standard model will be used that is designed to calculate the total revenue requirements for each year of the book service life of the project. For all projects, the calculation of revenue requirements will use the approved rate of return on the rate base from the Company's most recent natural gas general rate proceeding or another rate approved by the Commission. The model will compare the total revenue requirements for each year with the retail revenues generated from customers served (attached and/or expected) by the project to determine if a revenue deficiency or revenue excess exists.

The net present value (NPV) of the yearly revenue deficiencies or excesses will be calculated using a discount rate equal to the overall rate of return authorized in the Company's most recent natural gas general rate proceeding or another rate approved by the Commission. Projected customer surcharge revenues are then introduced into the model and the resultant NPV calculation is made to determine if the project is self-supporting. A total NPV of zero (\$0) will show a project is self-supporting.

(Continued on Sheet No. 5-46)

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

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**NEW AREA SURCHARGE AND  
EXTENSION SURCHARGE RIDERS (Continued)**

Section No. 5  
3rd Revised Sheet No. 46

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The model will be run each year subsequent to the initial construction phase of a project wherein actual amounts for certain variables will be substituted for projected values to track recovery of expansion costs and potential to discontinue the surcharge before the full term.

If the Company proposes to add a new community to existing projects, the model will be evaluated to determine if the surcharge rates can be decreased for existing customers in the project. The Company will propose a rate change for the project if the decrease is one (1) percent or greater.

The variables which will be updated in the model each year will be:

1. Number of customers used to calculate the surcharge revenue and the retail margin revenue,
2. The actual surcharge and retail revenue received to date and the projected surcharge revenue for the remaining term of the surcharge,
3. The actual costs and projected remaining costs for the project, and
4. The actual gas demand entitlement costs.

(Continued on Sheet No. 5-47)

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Docket No.	G002/M-15-195		Order Date:	07-10-15

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

**NEW AREA SURCHARGE AND  
EXTENSION SURCHARGE RIDERS (Continued)**

Section No. 5  
5th Revised Sheet No. 47

**TERM**

The term of service under this rate schedule shall vary from area to area depending on the service extension project. However, under no circumstances shall the surcharges applicable to any project remain in effect for a term to exceed 30 years.

**EXPIRATION**

The surcharges for all customers in an area subject to the NAS or ES shall terminate on the date specified for the project in the Company tariff or, if the model demonstrates that the revenue requirements have been met for a project, the surcharge will expire on the date the approved revenue deficiency is retired, whichever occurs first. The Company assumes the risk for under recovery of expansion costs, if any, which may remain at the project's expiration date.

**SURCHARGE RATE**

See Section No. 5, Sheet No. 51.

**REVENUE REQUIREMENTS MODEL**

Definitions. All terms describe the contents and general operation of the revenue requirements model used to determine a New Area Surcharge or Extension Surcharge Rider for a project.

Column/Description

1. *Time Period.* A 12 month calendar interval which is one year of the project life. The year in which the project is constructed is designated as year zero.
2. *Year.*
3. *Plant-in-Service Additions.* Additions to plant-in-service in any particular year shall be all costs to provide pipeline interconnects, pressure regulating facilities, measurement and instrumentation, lateral delivery lines, distribution mains, mapping, customer service lines, meters, and regulators, net of any service extension allowances.
4. *Surcharge Revenue.* The revenue generated by the surcharges collected to offset the cost of constructing facilities to serve the new service area. Surcharge revenue will be treated as a contribution-in-aid of construction (CIAC) as follows:  
NAS – All surcharge revenue will be treated as a CIAC.  
ES – Surcharge revenue will first be applied to the pipeline supplier expense as Non-CIAC Surcharge Revenues (Column 16b). Excess revenue will be treated as a CIAC.
5. *Total Capital Investment.* The cost of all plant in service additions (Column 3), less all surcharge revenue (Column 4).

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(Continued on Sheet No. 5-48)

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

**NEW AREA SURCHARGE AND  
EXTENSION SURCHARGE RIDERS (Continued)**

Section No. 5  
3rd Revised Sheet No. 48

**REVENUE REQUIREMENTS MODEL (Continued)**

Column/Description (Continued)

6. *Net Investment Rate Base.* The total capital investment, less the accumulated reserve for book depreciation, less accumulated deferred income taxes.
7. *Equity Return.* The average of beginning and end-of-year net investment rate base, multiplied by the weighted costs of preferred equity capital and common equity capital established in the Company's most recent natural gas general rate proceeding or another rate approved by the Commission. T
8. *Debt Return.* The average of beginning and end-of-year net investment rate base, multiplied by the weighted costs of long term and short term debt capital established in the Company's most recent natural gas general rate proceeding or another rate approved by the Commission. T
9. *Book Depreciation.* The straight-line cost recovery over the life of the asset for total capital investment as defined above (Column 5) plus the cost of removal (negative salvage). The book depreciation rate is adjusted to recognize the effect of surcharge revenue (Column 4). T
10. *Tax Depreciation.* The income tax basis of cost recovery. The sum of all vintages of the product of plant in service additions as defined above (Column 3) and the appropriate value from the Internal Revenue Service's "Depreciation Schedule 20 Year Property MACRS Method." T
11. *Deferred Income Taxes.* The difference between tax depreciation and the book depreciation and salvage value (if any) for that year, multiplied by the income tax rate. Deferred taxes will be reduced in any year by the current tax effect of the surcharge revenue (income taxes are in effect prepaid and will be recovered over the life of the project through the book and tax timing differences). Accumulated deferred income taxes in any year shall be the sum of deferred income taxes for the current year and all previous years. T
12. *Salvage.* A positive amount for salvage represents the proceeds from the disposal of an asset removed from service. A negative amount for salvage represents the cost of removal incurred for an asset removed from service.

(Continued on Sheet No. 5-49)

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

**NEW AREA SURCHARGE AND  
EXTENSION SURCHARGE RIDERS (Continued)**

Section No. 5  
2nd Revised Sheet No. 49

**REVENUE REQUIREMENTS MODEL (Continued)**

Column/Description (Continued)

13. *Income Taxes.* The income tax calculation provides an amount of income tax to cover the equity return (Column 7); and surcharge revenue (Column 4); considers the timing difference between book depreciation (Column 9) and tax depreciation (Column 10); includes the current provision for deferred income taxes (Column 11); and considers income tax provisions related to salvage. The income tax calculation formula is:
- $$[(T / [1-T]) * (\text{Surcharge Revenue} + [\text{Book Depreciation} - \text{Tax Depreciation}] + \text{Deferred Income Tax} + \text{Salvage})] + (T * \text{Equity Return})$$
- T = Minnesota jurisdiction income tax rate established in the most recent natural gas general rate proceeding or another rate approved by the Commission.
- 14a. *Property Taxes.* Property taxes on new Company-owned plant in service.
- 14b. *Operating Expenses.* Operating expenses includes provisions for transmission and distribution system operation and maintenance expenses, and provisions to cover customer accounting expenses such as meter reading, customer accounting and collection. All components of operating expense herein are driven by the amount of plant in service additions (Column 3).
- 14c. *Pipeline Supplier Expenses.* Expenses from third party pipeline supplier via a demand entitlement contract incurred in lieu of capital costs that would have been incurred by the Company to build pipeline to the new service area.
15. *Total Revenue Requirement.* The total revenue requirement is the required equity return (Column 7), debt return (Column 8), book depreciation (Column 9), current provision for deferred income taxes (Column 11), income taxes (Column 13), operating expenses (Column 14a), property taxes (Column 14b), and pipeline supplier expenses (Column 14c).
- 16a. *Retail Revenues.* This amount represents the retail revenue generated by applying the various retail billing rates (customer charge and commodity margin) approved in Company's most recent natural gas general rate proceeding to the expected number of customers connected to the project each year.
- 16b. *Non-CIAC Surcharge Revenues.* The revenue generated by the ES surcharges collected to offset the cost of a third party constructing facilities to serve the new service area.  
NAS – will have no revenues of this type.

(Continued on Sheet No. 5-50)

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

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**NEW AREA SURCHARGE AND  
EXTENSION SURCHARGE RIDERS (Continued)**

Section No. 5  
2nd Revised Sheet No. 50

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**REVENUE REQUIREMENTS MODEL (Continued)**

Column/Description (Continued)

17. *Revenue Deficiency or (Excess)*. Revenue deficiency or excess is the difference between the total revenue requirement (Column 15) and the amount of the retail revenues (Column 16a) and non-CIAC surcharge revenues (Column 16b). Deficiency occurs when the total revenue requirement in a given year is greater than the total retail revenues generated. Excess occurs when the total revenue requirement in a given year is less than the total retail revenues generated. The total revenue requirement less retail revenues results in a revenue deficiency or excess.

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18. *Present Value of Revenue Deficiency (Excess)*. The cash flow from the various years of the project life that produce either revenue deficiencies or revenues excesses are discounted to a present value using a discount rate equal to the overall rate of return established in the most recent natural gas general rate proceeding or another rate approved by the Commission.

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If the sum of the present value calculations over the life of the project is zero or as close to zero as possible, the model proves that the project is "self-supporting," that is, the customer surcharge is the proper amount of customer contributed capital necessary to support the project at the projected (or actual) level of retail revenues.

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Order Date: 07-10-15

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

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

**NEW AREA SURCHARGE AND  
EXTENSION SURCHARGE RIDERS (Continued)**

Section No. 5  
2nd Revised Sheet No. 51

A New Area Surcharge will be included in the monthly minimum charge for bills in the following Minnesota areas:

<u>Customer Classes</u>	<u>Pillager</u>
Residential	\$13.50
Small Commercial Firm	\$20.00
Large Commercial Firm	\$200.00
Commercial Demand Billed	\$1,000.00
Interruptible	\$1,000.00
Firm Transportation	\$1,000.00
Interruptible Transportation	\$1,000.00
 <u>Expiration Date*</u>	 10/31/2029

\*Surcharge may end earlier based on the results of the New Area Surcharge model filed annually with the Commission.

An Extension Surcharge will be included in the monthly minimum charge for bills in the following Minnesota areas:

<u>Customer Classes</u>	<u>Barnesville</u>	<u>Holdingford</u>	<u>Ulen-Hitterdal</u>
Residential	\$23.99	\$14.45	\$23.99
Small Commercial Firm	\$34.99	\$35.00	\$34.99
Large Commercial Firm	\$395.00	\$315.00	\$395.00
Commercial Demand Billed	\$1,150.00	\$700.00	\$1,150.00
Interruptible	\$1,150.00	\$700.00	\$1,150.00
Firm Transportation	\$1,150.00	\$700.00	\$1,150.00
Interruptible Transportation	\$1,150.00	\$700.00	\$1,150.00
 <u>Expiration Date</u>	 10/31/2029	 10/31/2029	 8/31/2031

\*Surcharge may end earlier based on the results of the Extension Surcharge model filed annually with the Commission.

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

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**LIMITED FIRM SERVICE**

Section No. 5  
7th Revised Sheet No. 53

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**AVAILABILITY**

Available to any interruptible customer who, when subject to interruption or curtailment, desires to supplement its service by reserving a specified number of days of firm gas service in a Limited Firm Service Agreement with Company. Limited Firm Service will be restricted to 10 days for Small Volume customers and 15 days for Medium and Large Volume customers during the term of agreement.

**DETERMINATION OF CHARGES UNDER THIS RIDER**

Customer bills under this rate will include the specific charges listed below.

**CHARACTER OF SERVICE**

Company in its sole discretion may decline to enter into Limited Firm Service Agreements or limit the days of availability and shall consider the Company's estimate of its distribution capacity and stored gas availability to provide Limited Firm Service.

**CURTAILMENT**

If Company system operations require curtailment of firm service, service hereunder will be curtailed before all other firm service. The Company will complete customer curtailment notification testing by December 1 annually. Customers with unused contracted days at the end of the season will be credited a portion of the availability charge based on the days of curtailed Limited Firm Service, contracted days remaining, and days contracted.

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

**THERM ADJUSTMENT**

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

**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.

**COST OF GAS RATE**

Gas Used During Periods of Curtailment per Therm may be billed at the higher of:

1. The monthly PGA Commodity and Demand rates (excluding the monthly demand true-up rate) used to calculate monthly firm service bills; or
2. The Limited Firm Service cost of propane rate. The Limited Firm Service cost of propane rate for billing and purchased gas expense allocation purposes is \$0.75500 per therm of consumption when the cost of propane purchased and stored by the Company for Limited Firm Service is \$0.56 per gallon.

(Continued on Sheet No. 5-53.1)

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Docket No.	E,G999/CI-19-160		Order Date:	11-06-19

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

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

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**LIMITED FIRM SERVICE (Continued)**

Section No. 5  
8th Revised Sheet No. 53.1

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**COST OF GAS RATE (Continued)**

For each \$0.001 that the purchased cost of propane purchased by the Company for Limited Firm Service is above or below \$0.56 per gallon, the above cost of propane rate of \$0.75500 per therm for Limited Firm Service customers shall increase or decrease by \$0.0011.

(Continued on Sheet No. 5-54)

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**LIMITED FIRM SERVICE (Continued)**

Section No. 5  
7th Revised Sheet No. 54

**DISTRIBUTION CHARGE**

All usage shall be assessed the distribution charge per Therm from Customer's applicable interruptible rate.

Availability Charge. As specified in the Limited Firm Service Agreement between customer and Company.

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

For the initial occurrence, a customer failing to curtail, interrupt, or otherwise restrict (partially or totally) use of gas hereunder when requested to do so by Company, 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 costs incurred by the Company that results from a failure to curtail or interrupt. Subsequent failures by the customer to fully or partially curtail, interrupt, or otherwise restrict use when requested by the Company, customer shall pay the higher of (i) \$10.00 per Therm or (ii) an amount equal to any incremental cost incurred by the Company that results from a failure to curtail or interrupt.

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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.

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.

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. Customers receiving interruptible service without suitable and adequate back-up or the ability to cease consumption by shutting down process load may be moved to a firm 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.

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(Continued on Sheet 5-54.1)

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

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

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**LIMITED FIRM SERVICE (Continued)**

Section No. 5  
6th Revised Sheet No. 54.1

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**RESOURCE ADJUSTMENT**

Bills are subject to the adjustment provided for in the Conservation Improvement Program Adjustment Rider applicable to the customer's current interruptible service, the State Energy Policy Rate Rider and the Gas Utility Infrastructure Cost Rider.

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**SURCHARGE**

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

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, Section 3.4.

**TERM OF AGREEMENT**

Limited Firm Service Agreement shall be for a period up to 12 months terminating June 30.

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

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

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**DAILY BALANCING SERVICE RIDER**

Section No. 5  
3rd Revised Sheet No. 56

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**AVAILABILITY**

Available to customers or their agents taking service under Company's interruptible or firm transportation service rate schedules.

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**RATE**

Monthly Reservation Demand Charge \$0.2180  
per Therm of Contracted Demand

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Contracted demand is defined as the volumes by which customer's flow of gas through Company's delivery system is entitled, during applicable periods, to deviate from nominated levels, in addition to the  $\pm 5\%$  daily tolerance volumes already allowed, before incurring daily variance penalties.

**MONTHLY MINIMUM CHARGE**

Reservation Demand Charge.

**TERM**

The obligations of Company and customer under this rate schedule are subject to the provisions of the Transportation Service Agreement between Company and customer. Service shall be in effect for a minimum term of one month commencing on the first gas day of the calendar month and shall remain in effect from month-to-month thereafter until terminated by either party by 30 days' written notice.

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**CHARACTER OF SERVICE**

Daily Balancing Service allows customer to use Company's system resources to increase the daily variance available to customer before customer becomes subject to the daily imbalance penalties contained in Company's applicable tariff. Customer will continue to be responsible for monthly imbalances under customer's applicable transportation rate schedule.

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**TERM OF AGREEMENT**

Balancing Service Agreement shall be for a period up to 12 months terminating June 30.

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(Continued on Sheet No. 5-57)

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

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**DAILY BALANCING SERVICE RIDER (Continued)**

Section No. 5  
3rd Revised Sheet No. 57

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**SUSPENSION OF SERVICE**

On gas days when Company is subject to an Operational Flow Order (OFO), a system overrun limitation (SOL), system underrun limitation (SUL) or Critical Day because of shortages or excessive gas delivery, Company may notify customer that Daily Balancing Service is suspended for the gas day if necessary to preserve system integrity. Daily Balancing Service may also be suspended on Company system curtailment days if necessary to preserve system integrity. When service is suspended, customer shall be required to be within nomination tolerances for the applicable service schedule or customer will be assessed applicable penalties. On OFO, SOL or critical days, customer may not exceed daily nomination tolerance without penalty pursuant to the additional charge for unauthorized use set forth in the Company's applicable service schedules. On SUL days, customer may not fall below daily nomination tolerance without penalty.

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**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, Section 3.4.

**SURCHARGE**

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

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

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**END-USER ALLOCATION PROGRAM SERVICE RIDER**

Section No. 5  
2nd Revised Sheet No. 60

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**AVAILABILITY**

Available to a Transportation Service customer (a) who has made arrangements to have gas other than Company system supply delivered to a Company town border station (TBS), (b) whose peak daily demand requirements are 500 Therms or more per meter location, and (c) who has requested to enter into an End-User Allocation Agreement (EUA Agreement) with the Company and the upstream interstate pipeline company interconnected to the TBS(s) designated as the receipt point(s) under Customer's transportation service agreement with Company.

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This service shall be limited to the fifty (50) customers who fulfill all the requirements for such service on a first-come, first-served basis. In the event a customer discontinues service, another customer may become eligible.

**DETERMINATION OF CHARGES UNDER THIS RIDER**

Customer bills under this rate will include the specific charges listed below.

**CHARACTER OF SERVICE**

End-User Allocation Service allows the Company to electronically monitor, as necessary, Customer's daily gas use so Company may (a) re-nominate its system resources to avoid daily pipeline imbalance variance charges under the EUA Agreement and (b) preserve distribution system reliability, while Customer limits exposure to the daily variance penalties contained in Company's applicable transportation service tariff.

**SERVICE CHARGE**

Service Charge per Month \$75.00

**TERM OF SERVICE**

Service shall be in effect for a minimum term of one year commencing on the first gas day of the calendar month after the Commission approved effective date and shall remain in effect from year-to-year thereafter until terminated by either party by 30 day's written notice.

The following are additional terms of 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 Regulation, Section 3.4.

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(Continued on Sheet No. 5-60.1)

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

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

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**END-USER ALLOCATION PROGRAM SERVICE RIDER**  
**(Continued)**

Section No. 5  
2nd Revised Sheet No. 60.1

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**OTHER TERMS AND CONDITIONS**

On any Gas Day when Company is notified that its upstream interstate pipeline has issued an Operational Flow Order (OFO), system overrun limitation (SOL), system underrun limitation (SUL) or Critical Day affecting the Company distribution system serving Customer, Company will promptly notify Customer of such events and monitor Customer's gas usage by telemetering up to three times per day, so Company may adjust its intra-day nominations to such pipeline to minimize daily imbalances at the TBS.

(Continued on Sheet No. 5-61)

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

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**END-USER ALLOCATION PROGRAM SERVICE RIDER  
(Continued)**

Section No. 5  
3rd Revised Sheet No. 61

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**OTHER TERMS AND CONDITIONS (Continued)**

In addition, in order to maintain distribution system integrity, on any Gas Day when Company's upstream interstate pipeline issues notice of a Critical Day, Company will promptly notify Customer of such event and Customer shall promptly thereafter notify Company by confirmed fax, confirmed email or telephone if: (a) Customer's expected daily gas usage will exceed Customer's scheduled daily quantity for any reason, or (b) Customer expects to exceed its maximum firm daily contract quantity during such Gas Day. Such notice shall not relieve Customer of any applicable penalties under Company's transportation service tariff or transportation service agreement for exceeding Customer's scheduled daily quantity or maximum firm daily quantity.

If Company is unable to monitor Customer's daily usage during an OFO, SOL, SUL or Critical Day for any reason, including but not limited to a temporary malfunction of the telemeter, failure of or inability to access the telephone link to such telemeter, or an electrical outage to the telemeter and upon Company notice, Customer shall be obligated to monitor Customer's mechanical meter at such meter location and notify Company of such meter reads at least one hour prior to the time Company's intra-day nominations are required by the upstream interstate pipeline.

Except as specifically provided herein, all terms and conditions of customer's applicable transportation service rate schedule and service agreement remain in effect during the period customer agrees to purchase EAU service. In addition, all terms and conditions of the EUA Agreement are applicable.

**OTHER CHARGES OR PENALTIES**

In addition to the Service Charge, Customer shall reimburse Company for interstate pipeline daily imbalance charges caused by Customer's (a) failure to comply with the terms of this rate schedule or (b) other actions or inactions during any OFO, SOL, SUL or Critical Day period upon company notice of such event. Company shall provide Customer an explanation of any imbalance charges billed to Customer. Any dispute regarding such charges billed by Company shall be resolved pursuant to the dispute resolution provisions of the transportation service agreement.

However, if the Company in its discretion does not monitor Customer's daily usage by telemeter during any OFO, SOL, or SUL day, the terms of the EUA Agreement shall apply and Customer shall not be liable for daily imbalance penalties (if any) billed to Company by interstate pipeline.

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Northern States Power Company, a Minnesota corporation  
and wholly owned subsidiary of Xcel Energy Inc.  
Minneapolis, Minnesota 55401

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

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**CANCELED**

Section No. 5  
3rd Revised Sheet No. 62

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**CANCELED**

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		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	G002/GR-06-1429		Order Date:	11-29-07

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

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

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**STATE ENERGY POLICY RATE RIDER**

Section No. 5  
18th Revised Sheet No. 63

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**APPLICATION**

Applicable to bills for gas service provided under the Company's retail rate schedules.

**DETERMINATION OF CHARGES UNDER THIS RIDER**

Customer bills under this rate will include the specific charges listed below.

**RIDER**

There shall be included on each customer's monthly bill a State Energy Policy Rate Rider which shall be the applicable State Energy Policy Rate Rider factor multiplied by the customer's monthly therm gas consumption.

**DETERMINATION OF STATE ENERGY POLICY RATE FACTOR**

The applicable State Energy Policy Rate Rider shall be the quotient obtained by dividing the annual State Energy Policy Tracker amount by the annual forecasted therm sales. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

Residential	\$0.000933 per therm
Commercial	\$0.000933 per therm

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Recoverable State Energy Policy Rate Expense

All costs appropriately charged to the State Energy Policy Tracker account shall be eligible for recovery through this Rider, and all revenues received from the State Energy Policy adjustment portion of the Resource Adjustment shall be credited to the State Energy Policy Tracker account.

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

**GAS UTILITY INFRASTRUCTURE COST RIDER**

Section No. 5  
7th Revised Sheet No. 64

**APPLICABILITY**

Applicable to bills for natural gas service provided under the Company's retail rate schedules.

**RIDER**

The Gas Utility Infrastructure Cost (GUIC) Rider is designed to collect the costs of assessments, modifications, and replacement of natural gas facilities as required to comply with state and federal pipeline safety programs. There shall be included on each customer's monthly bill a GUIC Rider charge, which shall be calculated by multiplying the monthly applicable billing therms for natural gas service by the GUIC Rider Factor for the appropriate customer group.

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**DETERMINATION OF GUIC RIDER FACTORS**

A separate GUIC Rider Factor shall be calculated for the following five customer groups: (1) Residential, (2) Commercial Firm, (3) Commercial Demand Billed, (4) Interruptible, and (5) Transportation. The GUIC Rider Factor for each customer group shall be the value obtained by multiplying the balance of the GUIC Rider Tracker Account by each customer group's allocation factor, divided by the forecasted sales for the customer group in the recovery period.

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The GUIC Rider Factor for each customer group may be adjusted annually with approval of the Minnesota Public Utilities Commission (Commission). On or before November 1, the Company will file a GUIC Rider Annual Report with request to change the GUIC Rider Factor.

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The current GUIC Rider Factor for each customer group is:

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Residential	\$0.033864 per therm
Commercial Firm	\$0.018572 per therm
Commercial Demand Billed	\$0.014666 per therm
Interruptible	\$0.010591 per therm
Transportation	\$0.001602 per therm

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Recoverable GUIC Rider Expenses

Recoverable GUIC Rider Expenses shall be the annual revenue requirements for costs associated with natural gas infrastructure projects eligible for recovery under Minnesota Statute Sections 216B.1635 or 216B.16, subd. 11 that are determined by the Commission to be eligible for recovery under this GUIC Rider. A standard model will be used to calculate the total forecasted revenue requirements for eligible projects for the designated period. All costs appropriately charged to the GUIC Rider Tracker Account shall be eligible for recovery through this Rider, and all revenues recovered from the GUIC Rider Factor shall be credited to the GUIC Rider Tracker Account. The GUIC Rider Tracker Account includes adjustments for forecasted revenue requirements compared to actual revenue requirements and for actual revenue requirements compared to actual revenue recovery.

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(Continued on Sheet No. 5-65)

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

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

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**GAS UTILITY INFRASTRUCTURE COST RIDER (Continued)**

Section No. 5  
2nd Revised Sheet No. 65

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Allocation of GUIC Expenses to Customer Group

For the purposes of developing the GUIC Rider rate factors, GUIC revenue requirements will be allocated to customer groups in the same manner as revenues were apportioned in the Company's most recently approved Minnesota natural gas general rate case.

Adjustment to GUIC Tracker Account with Changes in Base Rates

Whenever the Company implements changes in base rates as the result of a final Commission order in a natural gas general rate case setting new rates based on approved revenue requirements, the Company shall simultaneously adjust the GUIC Tracker Account to remove all costs that have been included in base rates.

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

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**FIXED MONTHLY PAYMENT PILOT PROGRAM RIDER**  
**(Continued)**

Section No. 5  
1st Revised Sheet No. 66

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**CANCELED**

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(Continued on Sheet No. 5-67)

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

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

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**FIXED MONTHLY PAYMENT PILOT PROGRAM RIDER**  
**(Continued)**

Section No. 5  
1st Revised Sheet No. 67

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**CANCELED**

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**LOW INCOME ENERGY DISCOUNT RIDER**

Section No. 5  
2nd Revised Sheet No. 68

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**AVAILABILITY**

This Rider is available to any residential customer who is certified and receiving assistance from the Low Income Home Energy Assistance Program (LIHEAP) during the federal fiscal year ("Rider Program Year"). Further, such customers must agree to be placed on a levelized payment plan and must also agree to a payment schedule as described below to be considered a "Qualified Customer." Unless otherwise specified in this tariff, Qualified Customers on the Rider shall receive service in accordance with all terms and conditions of the standard gas service tariffs applicable to residential customers.

**RIDER DESCRIPTION**

The Rider has two components: Affordability and Arrearage Forgiveness. Company, or an agent of Company, will review current billing and consumption information, approved LIHEAP benefits, and household income information as submitted to Company to determine a Qualified Customer's payment schedule amount. A Qualified Customer's payment schedule will include both payment of the customer's current month's bill (which reflects one-twelfth of the levelized payment plan) and payment of a portion of the Qualified Customer's pre-program arrears. The Rider shall meet the conditions of Minn. Stat. §216B.16, Subd. 15 on low-income programs.

**RATE**

Affordability Component

The Affordability component consists of a bill credit determined as one-twelfth of the difference between Company's estimate of the Qualified Customer's annual gas bill and 4% of the Qualified Customer's household income as provided by the Qualified Customer to Company. This bill credit is a Rider program cost that will be included in the Tracker (see definition below). Any energy assistance sums not applied to arrears will be applied to a Qualified Customer's current bill.

The Affordability Component will be calculated as follows:

1. Calculate four percent of the participant's reported income and divide it by 12 (months) to get the monthly Affordability Payment amount; then
2. Sum the participant's annual usage amount and divide it by 12 (months) to determine the participant's average monthly usage/bill; and
3. Subtract the participant's Affordability Payment from the Average Monthly Bill to determine the Affordability Credit amount.

Arrearage Forgiveness Component

The Arrearage Forgiveness component consists of a monthly credit that will be applied each month after receipt of the Qualified Customer's payment. The credit will be designed to retire pre-program arrears over a period of up to 24 months, with the Company matching the Qualifying Customer's contribution to retiring pre-program arrears. The credit is determined by taking the pre-program arrears divided by the number of months to retire the arrears divided by two and then subtracting any energy assistance sums received by the Company on behalf of the customer divided by the number of months remaining to retire the arrears divided by two. This arrearage forgiveness credit is a Rider program cost that will be included in the Tracker.

The Arrearage Forgiveness Component will be calculated as follows:

1. Divide the pre-program arrears by the number of months to retire the arrears, divided by two; and
2. Subtract any energy assistance sums received by the Company, divided by the number of months remaining to retire the arrears, divided by two.

(Continued on Sheet No. 5-69)

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

**LOW INCOME ENERGY DISCOUNT RIDER (Continued)**

Section No. 5  
4th Revised Sheet No. 69

**TERMS AND CONDITIONS OF SERVICE**

1. Enrollment participation is limited to a first come first served basis until the estimated Rider program dollar cap is reached.
2. Qualified Customer must maintain an active Company account in said customer's name at said customer's permanent primary residence to be eligible for this Rider.
3. Before the start of an enrollment period, Company will mail information on the Rider and an application to participate in the Rider to targeted current LIHEAP customers in arrears. The application for participation must be completed in full and returned to Company before the close of the enrollment period.
4. Qualified Customer agrees to notify Company of any changes in address, income level, or household size. Such changes may result in removal from the Rider as they may disqualify a customer from eligibility under the provisions of the Availability section above.
5. If Qualified Customer fails to pay two consecutive monthly payments in full under the Rider, the customer will be terminated from the Rider and will be subject to Company's regular collection practices including the possibility of disconnection.
6. Regardless of arrears balances, Company agrees to maintain service and suspend collection activities to Qualified Customer if the customer remains current with the payment schedule.

**PROGRAM COST & COST RECOVERY**

1. A tracking mechanism ("Tracker") will be established to provide for collection of actual Rider program costs as compared to the recovery of Rider program costs through rates. Company will track and defer Rider program costs with regulatory approval. The prudence of the Rider costs is subject to a regulatory review. The recovery of these Rider program costs through rates will begin with the implementation of final rates in Docket No. G002/GR-06-1429.
2. Rider program costs shall be recovered as a separate line item on customer billing statements for all customers receiving firm service under the following tariffs: Residential Firm Service, Commercial Firm Service, and Commercial Demand Billed Service. The rate is \$0.00445 per therm. Company may petition the Commission to adjust this rate in order to true-up the Rider Program Year balance in the Tracker in its next general rate case.
3. Total Rider costs, which include start-up costs, Affordability component, Arrearage Forgiveness component, and incremental administration costs incurred by Company, shall not exceed \$2.5 million per year. However, if there is an over-recovered balance in the Tracker in a given year, the over-recovered balance may be used to supplement benefits in that year unless the Minnesota Public Utilities Commission orders otherwise. Company shall make best efforts to limit administrative costs included in the tracker to 5% of the total Rider costs. Administrative costs will include, but are not limited to, the costs to inform customers of the Rider and costs to process and implement enrollments.

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(Continued on Sheet No. 5-70)

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		President, Northern States Power Company, a Minnesota corporation		
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**EVALUATION**

1. The Rider shall be evaluated before the end of the initial term and may be modified based on annual reports and on a financial evaluation.
2. The annual reports will include the effect of the rider on customer payment frequency, payment amount, arrearage level, number of customers in arrears, service disconnections, retention rates, customer complaints, and utility customer collection activity. The annual reports may also include information about customer satisfaction with the rider.
3. The financial evaluation will include a discounted cash flow of the Rider's cost-effectiveness analysis from a ratepayer perspective comparing the 1) total Rider costs, which includes the Affordability component, Arrearage Forgiveness component, and total Company incurred administration costs, to 2) the total net savings including cost reductions on utility functions such as the impact of the Rider on write-offs, service disconnections and reconnections, and collections activities. The discounted cash flow difference between total Rider costs and total net savings will result in either a net benefit or a net cost to ratepayers for the rider. Any net benefit after the initial four-year term of the Rider will be added to the Tracker for refund to ratepayers.

**REVOCATION**

The Rider, upon approval by the Commission, is effective unless the Commission, after notice and hearing, rescinds or amends its order approving the Rider.

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**APPLICABILITY**

Unless otherwise specified in this tariff, Qualified Customers in the Rider shall receive service in accordance with all terms and conditions of the standard gas service tariffs applicable to Residential customers.