



414 Nicollet Mall
Minneapolis, Minnesota 55401

March 2, 2015

—VIA ELECTRONIC FILING—

Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, Minnesota 55101

RE: PETITION AND COMPLIANCE FILING
STATE ENERGY POLICY RIDER
DOCKET NO. G002/M-15-_____

Dear Mr. Wolf:

Northern States Power Company, doing business as Xcel Energy, submits the enclosed Petition and Compliance filing for approval of our July 2015-June 2016 State Energy Policy (SEP) Rider natural gas rate factor.

Pursuant to Minn. Stat. § 216.17, subd. 3, we have electronically filed this document, and served copies on the parties on the attached service lists.

If you have any questions regarding this filing please contact Rebecca Eilers at rebecca.d.eilers@xcelenergy.com or (612) 330-5570, or me at (612) 330-7529 or paul.lehman@xcelenergy.com.

Sincerely,

/s/

PAUL J LEHMAN
MANAGER, REGULATORY COMPLIANCE AND FILINGS

Enclosures

c: Service List

**STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION**

Beverly Jones Heydinger	Chair
Nancy Lange	Commissioner
Dan Lipschultz	Commissioner
John Tuma	Commissioner
Betsy Wergin	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF A MODIFICATION
TO OUR NATURAL GAS SEP TARIFF,
2015 PROJECT ELIGIBILITY, 2015 SEP
RATE FACTOR, AND 2014 SEP
COMPLIANCE FILING

DOCKET NO. G002/M-15-____

**PETITION AND
COMPLIANCE FILING**

OVERVIEW

Northern States Power Company, doing business as Xcel Energy, submits to the Minnesota Public Utilities Commission this Petition requesting approval of our 2015 natural gas State Energy Policy (SEP) Rider rate factor, our 2014 Annual SEP compliance filing, and our proposed Customer Notice and Tariff update. We do not propose to change the electric SEP rate factor which was set to zero effective January 1, 2014.¹

We propose a 2015 natural gas SEP rate factor of \$0.001898 per therm for the recovery of approximately \$1.82 million for the 12 month period of July 2015 – June 2016. If approved as proposed, average natural gas residential customers using 73.67 therms per month would pay approximately \$1.68 per year, compared to \$1.98 in the current 2014 SEP Period.

Historically, the three primary components of our SEP rate factor have been:

1. Expenses for the state Reliability Administrator (RA) and the development of State Building Guidelines (SBG) for the construction of new public facilities;
2. Expenses associated with the Company's natural gas Cast Iron Pipe Replacement program (applied to natural gas customers only); and

¹ Approved by the Commission's December 11, 2013 Order in Docket No. E002/M-13-959.

3. Mandated payments to the Prairie Island Indian Community (PIIC) in conjunction with the Company's Prairie Island nuclear generating facility.

This filing continues to reflect items 1 and 2 above, but as discussed in Docket No. E002/M-13-959, we have proposed to roll revenue requirements associated with item 3 into base rates in our pending rate case, Docket No. E002/GR-13-868. To the extent our proposal in the pending rate case changes upon final Commission determination, we will update accordingly in the appropriate dockets. This Petition does not include revenue requirements relating to mandated payments to the PIIC.

I. DESCRIPTION OF FILING

We provide the following information in this filing:

- Background Information;
- SEP Eligible Expenses;
- 2015 Natural Gas SEP Rate Factor;
- 2014 SEP True-Up; and
- Carbon Offsets.

In addition, we provide the following attachments to support our request.

Attachment	Description
Attachment A1	Proposed revision to the appropriate tariff sheet.
Attachment A2	Our 24-month forecast of SEP costs and rate factors applicable to all natural gas customers, including demand billed Commercial and Industrial customers under this rider.
Attachment B	Natural Gas SEP Tracker
Attachment C	A comparison by month for the past twelve months of actual natural gas costs versus forecasted costs.
Attachment D1	Detailed Reliability Administrator and Sustainable Building Guidelines costs.
Attachment D2	Detailed cast iron replacement revenue requirements.
Attachment D3	Cast iron replacement O&M credit.
Attachment D4	Natural gas sales forecast.
Attachment E	Base assumptions used to calculate the cast iron pipe revenue requirements.
Attachment F	Bridge Schedule from our most recent natural gas rate case, reflecting the 2010 test year, as filed.
Attachment G	Description of revenue requirements categories
Attachment H	Summary report of the Company's 2013 data as reported to the EPA in March 2014.

We submit this filing in accordance with the following statutory and rule provisions:

- Minn. Stat. § 16B.325 (Sustainable Building Guidelines)

- Minn. Stat. § 216B.16, Subd. 1 (Rate Change Notice)
- Minn. Stat. § 216B.1637 (Recovery of Certain Greenhouse Gas Infrastructure Costs)
- Minn. Stat. § 216B.1645, Subd. 4 (Settlement with Mdewakanton Dakota Tribal Council at Prairie Island)
- Minn. Stat. § 216C.052, Subd. 2 (Reliability Administrator)²
- Minn. R. 7829.1300 (Miscellaneous Tariff Filings)
- Minn. R. 7829.0100 (Definitions)

II. SUMMARY OF FILING

Pursuant to Minn. R. 7829.1300, subp. 1, a one-paragraph summary of the filing accompanies this Petition.

III. SERVICE ON OTHER PARTIES

Pursuant to Minn. R. 7829.1300, subp. 2, Xcel Energy will serve a summary of the filing on all parties on the Xcel Energy miscellaneous natural gas service list and the service list from our 2014 SEP Rider filing.³

IV. GENERAL FILING INFORMATION

Pursuant to Minn. R. 7829.1300, subp. 3, the Company provides the following information.

A. Name, Address, and Telephone Number of Utility

Northern States Power Company, doing business as
Xcel Energy
414 Nicollet Mall
Minneapolis, MN 55401
(612) 330-5500

B. Name, Address, and Telephone Number of Utility Attorney

Alison Archer
Assistant General Counsel
Xcel Energy Services Inc.
414 Nicollet Mall – 5th Floor

² Repealed by 2011 Minn. Laws Ch. 97 § 34.

³ Docket No. E,G002/M-14-185.

Minneapolis, MN 55401
(612) 215-4662

C. Date of Filing and Proposed Effective Date of Rates

The date of this filing is March 2, 2015. The Company proposes the 2015 natural gas SEP rate factor be included in the Resource Adjustment line on the Company's retail natural gas billing rates effective July 1, 2015.

D. Statutes Controlling Schedule for Processing the Filing

The tariff change proposed in this Petition falls within the definition of a "Miscellaneous Tariff Filing" under Minn. R. 7829.0100, subp. 11, because no determination of Xcel Energy's general revenue requirement is necessary. Pursuant to Minn. R. 7829.1400, initial comments on a miscellaneous tariff filing are due within 30 days of filing, with replies due 10 days thereafter.

E. Utility Employee Responsible for Filing

Paul J Lehman
Manager, Regulatory Compliance and Filings
Xcel Energy Services Inc.
414 Nicollet Mall – 7th Floor
Minneapolis, Minnesota 55401
(612) 330-7529

V. BACKGROUND INFORMATION

The Commission first established the SEP Rider mechanism and approved our recovery of eligible RA/SBG and Prairie Island expenses in its April 6, 2004 Order in Docket No. E,G002/M-03-1544.

The Commission first approved recovery of our costs associated with the replacement of remaining natural gas cast iron pipe on our system through the SEP rate factor in its November 25, 2008 Order in Docket No. E,G002/M-08-261 (November 25th Order).

The Commission subsequently directed the Company to provide the following information in future annual filings:⁴

⁴ Order dated September 23, 2010, Docket No. E,G002/M-10-210 (September 23rd Order).

- A comparison by month for the past twelve months of actual electric⁵ and natural gas costs versus forecasted costs. (See Attachment C.)
- A discussion of reasons for deviations from budgeted amounts (both higher and lower).
- Specific cast iron project costs and related information.⁶
- Updated SEP Tracker schedules that identify beginning balances, current period transactions, and subsequent ending balances.

We provide a bridging schedule of our most recent natural gas rate case, and we confirm that our calculations in this filing reflect the rate of return approved by the Commission in that case.⁷ (See Attachment F.)

VI. SEP ELIGIBLE EXPENSES

There are three types of expenses currently included for recovery in the SEP Rider as eligible according to Minnesota statutes and Commission orders. They are discussed below.

A. Reliability Administrator and Sustainable Building Guidelines

1. Reliability Administrator (RA)

RA costs are related to the expenses incurred by the Minnesota Department of Commerce, Division of Energy Resources, for services to the Commission and the public on reliability issues and other special proceedings, analysis, or projects.⁸

2. Sustainable Building Guidelines (SBG)

SBG costs result from the development of guidelines for the design of all new state buildings as defined in Minn. Stat. § 16B.325, with responsibility for the design guidelines shared by the Minnesota Department of Commerce, Division of Energy Resources and the Minnesota Department of Administration.

⁵ Since the electric SEP rate was set to \$0.00 on January 1, 2014 and we are not proposing a new rate in this Petition, we have only provided a comparison for natural gas costs.

⁶ This reporting requirement was discontinued by the Commission's June 3, 2013 Order in Docket No. E,G002/M-13-161.

⁷ Docket No. G002/GR-09-1153.

⁸ Minn. Stat. § 216C.052 was repealed pursuant to 2011 Minn. Laws Ch. 97 § 34. On July 2, 2008 in Docket No. E,G002/M-08-261, the Department filed Comments that addressed the then-expiration of Minn. Stat. § 216C.052 subd. 3 in our 2008 SEP Petition, stating that the Company could continue to charge customers RA/SBG costs, as long as billing continued pursuant to the legislation. Similarly, in the present case, as the Company has continued to receive and pay RA/SBG invoices jointly from the Minnesota Department of Commerce and the Commission, we have included them in our proposed 2015 natural gas SEP Rider rate factor.

B. Greenhouse Gas Infrastructure Costs

In its November 25th Order, the Commission approved our proposed recovery of costs associated with replacement of cast iron pipe through the natural gas SEP rate factor, pursuant to Minn. Stat. § 216B.1637, which allows for the recovery of investments and expenses related to the replacement of certain infrastructure that will reduce the risk of greenhouse gas emissions.

VII. 2015 SEP RATE FACTOR AND CUSTOMER NOTICE

In this Section, we present our 2015 natural gas SEP Rider tariff and customer notice language, and we summarize the contents of our 2015 SEP rate factor.

A. Proposed 2015 Rider Tariff and Customer Notice

Our proposed SEP Rider tariff provides that the SEP rate factor be included on each natural gas customer's monthly bill effective July 1, 2015, which is done as part of the Resource Adjustment charge on monthly bill statements.

We provide as Attachment A1 to this filing proposed changes to our Natural Gas Rate Book, Section No. 5, 13th Revised Sheet No. 63 in both redline and clean versions.

We will submit a compliance filing in this docket containing the final 2015 natural gas SEP rate factor calculations and corresponding tariff pages within 10 days of receiving the Commission's Order approving this Petition.

We propose to implement the following bill message, effective the first month the 2015 natural gas SEP rate factor takes effect, notifying customers of the change in their monthly bills:

We have updated the Resource Adjustment line item on your bill to reflect changes in the State Energy Policy (SEP) portion of the Resource Adjustment, which recovers the costs of State energy-related mandates and greenhouse gas emissions reductions. The natural gas SEP portion of the Resource Adjustment decreased to \$0.001898 per therm.

We will work with Commission Staff regarding this proposed customer notice in advance of implementation.

B. Proposed 2015 Natural Gas SEP Factor

Our proposed 2015 natural gas SEP rate factor compared to 2015 is as follows:

Table 1		
Proposed Rates		
	2014	2015
Gas	Approved	Forecast
Gas Rate/therm	\$2,027,780	\$1,817,833
Implemented Rate/therm	\$0.002238	\$0.001898

If approved as proposed, average natural gas residential customers using 73.67 therms per month would pay approximately \$1.68 per year, compared to \$1.98 in the current 2014 SEP Period. We discuss the specific inputs to the natural gas rate factor calculations below.

A summary of 2015 SEP forecasted costs proposed for recovery and the calculation of our proposed natural gas SEP rate factor compared to our approved 2014 SEP costs are follows:

Table 2			
SEP Costs and Rate Factor			
	2014	2015	
Gas	Approved	Forecast	Difference
RA/SBG	\$ 20,621	\$ 33,524	\$ 12,903
Cast Iron	\$1,964,495	\$1,901,501	\$ (62,994)
Cast Iron O&M Credit	\$ (72,310)	\$ (72,310)	\$ 0
Carryover	\$ 114,973	\$ (44,883)	\$(159,856)
Revenue Requirement	\$2,027,780	\$1,817,833	\$(209,947)
Therms Sales	906,126,034	957,634,516	51,508,482
Factor	0.002238	0.001898	(0.000340)

Note: The Sales Forecast information in Table 2 is annualized to provide a comparison of our projected factor and our approved factor.

The monthly breakdown of our proposed 2015 natural gas SEP rate factor costs, sales, projected revenues, and anticipated Tracker balance is provided in Attachment B.⁹ In addition, we provide the details of the natural gas sales forecast as Attachment D4 to this filing.¹⁰ These attachments provide period transactions, as well as beginning and ending Tracker balances, as specified in the Commission’s September 23rd Order.

⁹ Includes interdepartmental sales.

¹⁰ July 2014 sales forecast.

1. *Electric*

We are not proposing a new electric SEP factor because we have proposed to roll revenue requirements associated with electric SEP-qualified projects – RA/SBG costs and Prairie Island Indian Community Settlement costs – into base rates in our pending rate case (Docket No. E002/GR-13-868).

2. *Natural Gas*

We are not currently recovering the costs and revenues from any other tariff rate that we have proposed to recover via the natural gas 2015 SEP rate factor in this filing.

We provide as Attachment F to this filing, the Bridge Schedule from our most recent natural gas rate case, reflecting the 2010 test year. Please refer to Attachment F, column (5), page 1 of 3, which shows that the SEP rate base was removed from the test year rate base; Attachment F, column (5), page 2 of 3, shows that the SEP revenues and expenses were removed from the test year operating income.

We have calculated our proposed natural gas SEP rate factor assuming all components are approved for eligibility, and are implemented effective July 1, 2015 to June 30, 2016. If actual implementation occurs after July 1, 2015, we propose that the 2015 SEP Rider rate factor be adjusted to recover the approved program costs over the remaining months of the period, through June 30, 2016. This approach ensures that the cost recovery matches the approved eligible costs.

For a breakdown of the RA/SBG costs, please see Attachment D1.

3. *Natural Gas Cast Iron Pipe Replacement Project*

We completed replacement of 25 miles of cast iron pipe and the replacement program concluded in 2012. No additional cast iron renewal is planned. The June 3, 2013 Order in Docket No. E002/M-13-161 discontinued reporting requirements associated with specific cast iron replacement projects.

The Minnesota jurisdictional total revenue requirements associated with this project for the 2015 SEP period is \$1.9 million. See Attachment D2 for the detailed calculation of the cast iron revenue requirements. Attachment E shows the base assumptions used to calculate the cast iron pipe revenue requirements. We additionally provide Attachment G, which describes the revenue requirements categories.

4. *O&M Credit Calculation*

The September 23rd Order requires that we adjust our O&M credit in this filing to reflect the outcome of our natural gas rate case in Docket No. G002/GR-09-1153.

We provide our updated O&M credit calculation as Attachment D3 to this filing. Consistent with our 2012 filing, we have reduced the go-forward, overall O&M credit level to reflect the portion of cast iron pipe replaced through the 2010 test year as that credit is reflected in base rates. Also, we incorporated other changes to the O&M credit calculation to appropriately reflect the increased number of miles of cast iron pipe to be retired.

To assure the accuracy of our calculations, an external consultant has reviewed and verified the accuracy of our filing through: (1) calculation of our revenue requirements and trackers; (2) reviewing the compliance of these calculations with corresponding Minnesota Statutes and Rules, and previous Commission Orders and Company filings; and (3) verifying that costs proposed to be recovered through the SEP rate factor are not being recovered under any other cost recovery mechanism. We take these additional steps in this and all other rate rider filings to ensure accuracy.

VIII. 2014 SEP COMPLIANCE INFORMATION AND TRUE-UP

A. Tracker Balance Adjustments

The estimated true-up amount from the 2014-2015 SEP Tracker is \$(44,883).¹¹ The primary driver of the true-up is the negative carryover from the 2013-2014 SEP period due to higher collected revenues than forecast.

We note that this true-up adjustment is estimated, as we have used actual revenue, costs, and sales through January 2015, and forecasted the February through June 2015 period. Please see Attachment B to this filing for the supporting calculations.

B. Budget Deviations

The Commission's September 23rd Order requires we provide a comparison by month for the past twelve months of actual natural gas costs versus forecasted costs as well as a discussion of reasons for deviations from budgeted amounts (both higher and lower). See Attachment C for the comparison by month for the past twelve months

¹¹ Compliance requirements from past Commission Orders require that the SEP Tracker balance be used in determining the go-forward, proposed SEP Rate factors, which are trued-up for actual costs and revenues.

(February 2014 – January 2015) of actual natural gas costs to the budgeted (forecast) costs. Specific deviations are explained below.

The primary driver of the differences between the past twelve months' actual and budgeted natural gas costs is that the RA/SBG costs were \$12,902 higher than forecasted. Cast iron pipe replacement costs were \$3,646 lower than forecasted, and the carryover balance was \$262 lower to start the period. In summary, total actual costs for the past twelve month were \$8,994 higher than forecasted:

RA/SBG	\$12,902
Cast Iron	\$(3,646)
<u>Cast Iron Carryover</u>	<u>\$ (262)</u>
Net variance	\$ 8,994

In this same twelve-month period, revenue collections were \$33,616 higher than forecasted.

IX. CARBON OFFSETS

Order Point No. 1.B of the November 25th Order requires the Company to report and credit the SEP Tracker with any proceeds received from the sale of carbon offsets or credits associated with the Project.

We have not sold any carbon offsets or credits for greenhouse gas emissions associated with the natural gas Cast Iron Pipe Replacement project under the SEP Rider to-date. As a result, there are no carbon offsets and/or credits to report, or proceeds to credit to the SEP Rider tracker account.

In 2012, we began annual reporting to the U.S. Environmental Protection Agency (EPA) greenhouse gas emissions for all types of natural gas pipe material.¹² In previous SEP proceedings, we committed to provide this report as an attachment in future SEP Petitions. Because we submit the data to the EPA website via electronic form, we include as Attachment H the summary report print-out of the Company's data for 2013 as reported to the EPA in March 2014.

¹² 40 C.F.R. Part 98, Subparts A and W, provide the regulatory framework for the Greenhouse Gas (GHG) Reporting Program (November 10, 2010). The GHG calculation methodologies used in the rule generally include the use of engineering estimates, emissions modeling software, and emission factors, or, when other methods are not feasible, direct measurement of emissions. The established emission factor for cast iron main is 27.67 scf/hour/mile.

X. MISCELLANEOUS INFORMATION

Pursuant to Minn. R. 7829.0700, subp. 2, Xcel Energy requests that the following persons be placed on the Commission's official service list for this matter:

Alison Archer
Assistant General Counsel
Xcel Energy
414 Nicollet Mall, 5th floor
Minneapolis, Minnesota 55401
alison.c.archer@xcelenergy.com

Tiffany Hughes
Records Analyst
Xcel Energy
414 Nicollet Mall, 7th Floor
Minneapolis, Minnesota 55401
regulatory.records@xcelenergy.com

Any information requests in this proceeding should be submitted to Ms. Hughes.

CONCLUSION

We respectfully request that the Commission approve our 2015 natural gas SEP Rate Rider rate factor as proposed in this Petition, our 2014 Annual SEP compliance filing, and our proposed Customer Notice and Tariff update.

Dated: March 2, 2015

Respectfully submitted by:

Northern States Power Company

**STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION**

Beverly Jones Heydinger
Nancy Lange
Dan Lipschultz
John Tuma
Betsy Wergin

Chair
Commissioner
Commissioner
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IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF A MODIFICATION
TO OUR NATURAL GAS SEP TARIFF,
2015 PROJECT ELIGIBILITY, 2015 SEP
RATE FACTOR, AND 2014 SEP
COMPLIANCE FILING

DOCKET NO. G002/M-15-___

**PETITION AND
COMPLIANCE FILING**

SUMMARY

Please take notice that on March 2, 2015, Northern States Power Company, doing business as Xcel Energy, filed with the Minnesota Public Utilities Commission a Petition for approval of our July 2015-June 2016 natural gas State Energy Policy (SEP) Rider rate factor, pursuant to Minn. Stat. §§ 16B.325, 216B.16, subd. 1, 216B.1637, 216B.1645, subd. 4, 216C.052, subd. 2(c), and Minn. R. 7829.1300 and 7829.0100, and previous Commission Orders in our SEP Rider filings. The Company also submitted its Annual 2014 SEP Compliance Filing, including the calculation of the preliminary 2014 True-Up of costs and revenues recorded in the SEP Tracker Accounts as required in the November 25, 2008 ORDER ACCEPTING AND MODIFYING PETITION REGARDING STATE ENERGY POLICY RIDER in Docket No. E,G002/M-08-261.

State Energy Policy Rider 2015 Attachment Table of Contents

SEP Tariff Sheets and Rates

Attachment A1 – Gas Tariff

Attachment A2 – Gas Rate Factor: 2014-2016

Cost Recovery and SEP Rate Calculations

Attachment B – Gas Tracker

Attachment C – Budget Deviation Analysis

Gas Tracker Detail

Attachment D1 – Gas Tracker Detail - RA/SBG

Attachment D2 – Gas Tracker Detail - Cast Iron Replacement Revenue Requirement

Attachment D3 – Gas Tracker Detail - Cast Iron O&M Credit

Attachment D4 – Gas Tracker Detail - Revenues

Compliance

Attachment E – Base Assumptions – Gas Cast Iron Pipe

Attachment F – Gas Rate Case Bridge Schedule

Attachment G – Revenue Requirement Category Descriptions

Attachment H – Reporting to the U.S. Environmental Protection Agency re. Greenhouse Gas
Emissions

Redline

MINNESOTA GAS RATE BOOK - MPUC NO. 2

STATE ENERGY POLICY RATE RIDER

Section No. 5

~~12th~~13th Revised Sheet No. 63

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	\$0.002238 <u>\$0.001898</u> per therm
Commercial	\$0.002238 <u>\$0.001898</u> per therm

R
R

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.

Date Filed: ~~03-03-14~~03-02-15 By: ~~David M. Sparby~~Christopher B. Clark Effective Date: ~~07-01-14~~
President, ~~and CEO of~~ Northern States Power Company, a Minnesota corporation
Docket No. ~~E, G002/M-14-18515-~~ Order Date: ~~06-03-14~~

Clean

MINNESOTA GAS RATE BOOK - MPUC NO. 2

STATE ENERGY POLICY RATE RIDER

Section No. 5
13th Revised Sheet No. 63

APPLICATION

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

DETERMINATION OF CHARGES UNDER THIS RIDER

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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	\$0.001898 per therm
Commercial	\$0.001898 per therm

R
R

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.

Date Filed: 03-02-15

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. G002/M-15-

Order Date:

Gas Rate Factor				
	note	2014 Approved	2015 Forecast	2016 Forecast
Revenue Requirement	1	\$ 2,027,780	\$ 1,817,833	\$ 1,802,685
Forecasted Therms	2	906,126,034	957,634,516	927,610,243
Gas Rate/therm	3	0.002238	0.001898	0.001943
Implemented Rate/therm		0.002238	TBD	TBD
Residential bill impact / Month	4	\$ 0.16	\$ 0.14	\$ 0.14
Residential bill impact / Year	4	\$ 1.98	\$ 1.68	\$ 1.72

Notes:

- (1) For 2015 and 2016, refer to Gas Tracker (Attachment B) for supporting detail. For 2014, refer to Docket No. E,G002/M-14-185.
- (2) For 2015 and 2016, refer to Gas Tracker Detail: Revenue Collections (Attachment D4) for supporting detail. For 2014, refer to the compliance filing Docket No. E,G002/M-14-185.
- (3) 2014 rate approved in Docket No. E,G002/M-14-185. For 2015 and 2016, rates are forecasted.
- (4) Assumes 884 therms per year which equates to 73.67 therms per month.

State Energy Policy (SEP) Rider

Comparison by month of actual natural gas costs versus forecasted costs

Docket No. G002/M-15-___

2015 SEP Petition

Attachment C

Page 1 of 1

Gas Tracker

	2013-2014 SEP Period					2014-2015 SEP Period							Total
	Feb-14 <u>Forecast</u>	Mar-14 <u>Forecast</u>	Apr-14 <u>Forecast</u>	May-14 <u>Forecast</u>	Jun-14 <u>Forecast</u>	Jul-14 <u>Forecast</u>	Aug-14 <u>Forecast</u>	Sep-14 <u>Forecast</u>	Oct-14 <u>Forecast</u>	Nov-14 <u>Forecast</u>	Dec-14 <u>Forecast</u>	Jan-15 <u>Forecast</u>	
Natural Gas costs (RR) (Docket 14-185)	190,151	193,348	189,278	188,841	191,097	160,031	159,594	161,254	158,720	158,283	170,043	157,467	2,078,107
	Feb-14 <u>Actual</u>	Mar-14 <u>Actual</u>	Apr-14 <u>Actual</u>	May-14 <u>Actual</u>	Jun-14 <u>Actual</u>	Jul-14 <u>Actual</u>	Aug-14 <u>Actual</u>	Sep-14 <u>Actual</u>	Oct-14 <u>Actual</u>	Nov-14 <u>Actual</u>	Dec-14 <u>Actual</u>	Jan-15 <u>Actual</u>	Total
Natural Gas costs (RR) (Docket 15-___)	189,794	197,447	188,921	188,484	199,596	159,726	159,289	169,779	158,416	157,979	160,503	157,167	2,087,102
Variance Forecast vs. actual-Gas	357	-4,098	357	357	-8,498	305	305	-8,525	304	304	9,540	300	-8,994

	2013-2014 SEP Period					2014-2015 SEP Period							Total
	Feb-14 <u>Forecast</u>	Mar-14 <u>Forecast</u>	Apr-14 <u>Forecast</u>	May-14 <u>Forecast</u>	Jun-14 <u>Forecast</u>	Jul-14 <u>Forecast</u>	Aug-14 <u>Forecast</u>	Sep-14 <u>Forecast</u>	Oct-14 <u>Forecast</u>	Nov-14 <u>Forecast</u>	Dec-14 <u>Forecast</u>	Jan-15 <u>Forecast</u>	
Gas Revenue (Docket 14-185)	318,076	264,495	172,225	130,929	87,456	98,468	100,094	81,285	109,818	187,797	270,109	321,903	2,142,654
	Feb-14 <u>Actual</u>	Mar-14 <u>Actual</u>	Apr-14 <u>Actual</u>	May-14 <u>Actual</u>	Jun-14 <u>Actual</u>	Jul-14 <u>Actual</u>	Aug-14 <u>Actual</u>	Sep-14 <u>Actual</u>	Oct-14 <u>Actual</u>	Nov-14 <u>Actual</u>	Dec-14 <u>Actual</u>	Jan-15 <u>Actual</u>	Total
Gas Revenue (Docket 15-___)	364,328	363,797	242,391	155,596	90,149	71,882	56,922	59,361	82,810	130,778	261,538	296,717	2,176,269
Variance Forecast vs. actual-Gas	-46,252	-99,302	-70,166	-24,667	-2,693	26,586	43,171	21,925	27,008	57,019	8,570	25,186	-33,616

Net Result

-42,610

The highlighted data has been adusted to avoid double counting the carryover balance from the prior SEP Period 2013-2014.

Gas Tracker Detail				
RA/SBG				
Part A: Monthly % of RA/SBG costs AS IF adjustment hadn't been made				
		RA/SBG Invoice	RA/SBG w/o Adjustment (1)	Monthly % w/o Adjustment (2)
Jan-14	Actual	-	-	-
Feb-14	Actual	-	-	-
Mar-14	Actual	8,089	8,089	11%
Apr-14	Actual	-	-	-
May-14	Actual	-	-	-
Jun-14	Actual	11,548	11,548	16%
Jul-14	Actual	-	-	-
Aug-14	Actual	-	-	-
Sep-14	Actual	10,926	10,926	15%
Oct-14	Actual	-	-	-
Nov-14	Actual	-	-	-
Dec-14	Actual	2,960	43,170	59%
Annual		\$ 33,524	\$ 73,734	
Part B: Forecast of Monthly Payments based on previous year's Invoice total * Monthly % w/o Adjustment				
		Previous Annual Invoice	Monthly % w/o Adjustment (2)	Monthly Payment
Jan-15	Forecast	\$ 33,524	0%	\$ -
Feb-15	Forecast	\$ 33,524	0%	\$ -
Mar-15	Forecast	\$ 33,524	11%	\$ 3,678
Apr-15	Forecast	\$ 33,524	0%	\$ -
May-15	Forecast	\$ 33,524	0%	\$ -
Jun-15	Forecast	\$ 33,524	16%	\$ 5,251
Jul-15	Forecast	\$ 33,524	0%	\$ -
Aug-15	Forecast	\$ 33,524	0%	\$ -
Sep-15	Forecast	\$ 33,524	15%	\$ 4,968
Oct-15	Forecast	\$ 33,524	0%	\$ -
Nov-15	Forecast	\$ 33,524	0%	\$ -
Dec-15	Forecast	\$ 33,524	59%	\$ 19,628
Jan-16	Forecast	\$ 33,524	0%	\$ -
Feb-16	Forecast	\$ 33,524	0%	\$ -
Mar-16	Forecast	\$ 33,524	11%	\$ 3,678
Apr-16	Forecast	\$ 33,524	0%	\$ -
May-16	Forecast	\$ 33,524	0%	\$ -
Jun-16	Forecast	\$ 33,524	16%	\$ 5,251
Jul-16	Forecast	\$ 33,524	0%	\$ -
Aug-16	Forecast	\$ 33,524	0%	\$ -
Sep-16	Forecast	\$ 33,524	15%	\$ 4,968
Oct-16	Forecast	\$ 33,524	0%	\$ -
Nov-16	Forecast	\$ 33,524	0%	\$ -
Dec-16	Forecast	\$ 33,524	59%	\$ 19,628
Jan-17	Forecast	\$ 33,524	0%	\$ -
Feb-17	Forecast	\$ 33,524	0%	\$ -
Mar-17	Forecast	\$ 33,524	11%	\$ 3,678
Apr-17	Forecast	\$ 33,524	0%	\$ -
May-17	Forecast	\$ 33,524	0%	\$ -
Jun-17	Forecast	\$ 33,524	16%	\$ 5,251

Notes

(1) An adjustment is made each December by the Department of Commerce so that the Company is paying only its required portion of indirect costs.

(2) In order to smooth the forecast the Company calculates the percentage of costs AS IF an adjustment had not been made and then applies that percentage to the annual invoice.

Gas Tracker Detail
Cast Iron Replacement Revenue Requirement by Year (July - June)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Rate Base										
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	74,612	1,642,890	6,204,585	10,782,150	13,736,109	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve	79	32,575	141,240	367,414	700,678	1,051,711	1,402,745	1,753,779	2,104,813	2,455,847
Less Accum Deferred Taxes	104	31,775	117,324	296,641	531,982	747,673	936,727	1,100,734	1,311,223	1,568,414
End Of Month Rate Base	74,429	1,578,540	5,946,022	10,118,095	12,503,449	11,936,724	11,396,636	10,881,595	10,320,073	9,711,847
Average Rate Base (BOM/EOM)	3,101	1,241,969	4,103,512	8,400,586	12,097,994	12,216,674	11,663,433	11,136,101	10,615,469	10,013,001
Calculation of Return										
Plus Debt Return	103	38,829	120,101	233,763	303,346	284,649	271,758	259,471	247,340	233,303
Plus Equity Return	157	64,177	216,849	446,979	642,934	647,484	618,162	590,213	562,620	530,689
Total Return	260	103,005	336,950	680,742	946,280	932,132	889,920	849,685	809,960	763,992
Income Statement Items										
Plus Property Taxes	0	11,491	44,887	117,456	228,825	288,830	288,130	288,130	288,130	288,130
Plus Book Depreciation	79	32,496	108,665	226,174	333,264	351,034	351,034	351,034	351,034	351,034
Plus Deferred Taxes	104	31,672	85,548	179,317	235,341	215,691	189,054	164,007	210,489	257,191
Plus Current Taxes	5	12,955	65,757	132,542	213,293	236,237	242,739	248,646	181,615	111,298
Total Income Statement Expense	188	88,613	304,858	655,489	1,010,722	1,091,792	1,070,956	1,051,817	1,031,267	1,007,652
Total Revenue Requirements	447	191,619	641,808	1,336,231	1,957,002	2,023,924	1,960,876	1,901,501	1,841,228	1,771,644
MN Jurisdictional Revenue Requirement	447	191,619	641,808	1,336,231	1,957,002	2,023,924	1,960,876	1,901,501	1,841,228	1,771,644

Notes

Updates to 2013-2014 balances approved in Docket No. E,G002/M-14-185 (2014 Filing) result from (1) revised MN Composite Income Tax Rates based upon 2013 income tax returns, effective January 1, 2013 and (2) property tax update for 2014 based on ratio of actual paid taxes in 2014 and the value of property as of year end 2012.

Gas Tracker Detail
Cast Iron O&M Credit

Part A: Derivation of the Annual Credit Amount		2012 Filing	2013 Filing	2014 Filing
1	Overall O&M Expenses (1)	\$ 39,980,000	\$ 39,980,000	\$ 39,980,000
2	Total Gas Distribution Main in Minnesota (miles)	8,810	8,864	8,864
3	Average Test Year O&M Expenses per Mile of Gas Distribution Main (Line 1/Line 2)	\$ 4,538	\$ 4,510	\$ 4,510
4	Potential Percentage Reduction in O&M Expenses Associated with Gas Cast Iron (2)	93.48%	93.48%	93.48%
5	Potential O&M Expense Associated with Gas Cast Iron Pipe to be Replaced per Mile (Line 3*Line 4)	\$ 4,242	\$ 4,216	\$ 4,216
6	Gas Cast Iron Pipe to be Replaced (miles)	25	25	25
7	Potential Annual O&M Expenses Reduction due to Gas Cast Iron Replacement (Line 5*Line 6)	\$ 106,054	\$ 105,408	\$ 105,408
Part B: Derivation of the Recovery in Base Rates		2012 Filing	2013 Filing	2014 Filing
8	Miles replaced in 2009	5.0	5.0	5.0
9	Miles replaced in 2010	5.7	5.7	5.7
10	Total Miles reflected reflected in reduced O&M in base rates (Line 8 + Line 9*50%)	7.9	7.9	7.9
11	Expense Reduction per line mile (Line 5)	\$ 4,242	\$ 4,216	\$ 4,216
12	Annual Credit reflected in base rates (Line 10*Line 11)	\$ 33,301	\$ 33,098	\$ 33,098
Part C: Derivation of the 2011 Credit		2012 Filing	2013 Filing	2014 Filing
14	Miles replaced in 2010	5.7	5.7	5.7
15	Miles replaced in 2011	7.6	7.6	7.6
16	Total Miles included in the 2011 O&M Credit ((Line 14*50%)+Line 15)	10.5	10.5	10.5
17	Expense Reduction per line mile (Line 5)	\$ 4,242	\$ 4,216	\$ 4,216
18	Credit reflected in SEP through 2011 (Line 16 * Line 17)	\$ 44,330	\$ 44,060	\$ 44,060
Part D: Derivation of 2012 Credit		2012 Filing	2013 Filing	2014 Filing
19	Miles to be replaced in 2010	5.7	5.7	5.7
20	Miles to be replaced in 2011	7.6	7.6	7.6
21	Miles to be replaced in 2012	6.7	6.7	6.7
22	Total Miles included in 2012 SEP O&M Credit (Lines 19*50% + Line 20 + Line 21)	17.2	17.2	17.2
23	Expense Reduction per line mile (Line 5)	\$ 4,242	\$ 4,216	\$ 4,216
24	SEP O&M Credit in 2012 (Line 22*Line 23)	\$ 72,753	\$ 72,310	\$ 72,310
Part E: Reconciliation		2012 Filing	2013 Filing	2014 Filing
	\$0			
25	Credit reflected in base rates (Line 12)	\$ 33,301	\$ 33,098	\$ 33,098
26	SEP O&M Credit in 2012 (Line 24)	\$ 72,753	\$ 72,310	\$ 72,310
27	Potential Expense Reduction (Line 7) = Recovery in Base Rates (Line 12) + 2012 Credit (24)	\$ 106,054	\$ 105,408	\$ 105,408

Notes:

- (1) Docket No. G002/GR-09-1153
- (2) For 2010, an average of 0.66997 leaks per mile associated with the gas cast iron minus an average of 0.02345 leaks per mile for overall gas distribution system piping. $(0.66997-0.02345)/0.66997=96.5\%$. For 2011, an average of 0.28571 leaks per mile associated with the gas cast iron minus an average of 0.01986 leaks per mile for overall gas distribution system piping. $(0.28571-0.01986)/0.28571=93.48\%$. For 2012, all cast iron had been removed and the leak rate cannot be reported, the average leak rate for the overall system was 0.01421 leaks/mile. The O&M credit approved in Docket No. E,G002/M-13-161 is assumed in 2013, 2014 and beyond, since all replacement work has been completed.

Gas Tracker Detail
 Revenue Collections (SEP Rider Fiscal Period July - June)
 Actual Revenues Through January 2015 and Forecast Revenues (Therm Sales * Gas Factor) through June 2017

2011 Rider Year	Jul-11 Actual	Aug-11 Actual	Sep-11 Actual	Oct-11 Actual	Nov-11 Actual	Dec-11 Actual	Jan-12 Actual	Feb-12 Actual	Mar-12 Actual	Apr-12 Actual	May-12 Actual	Jun-12 Actual	Total-11
Revenue Collections	\$ 22,556	\$ 21,187	\$ 23,115	\$ 28,238	\$ 44,917	\$ 93,697	\$ 176,053	\$ 164,963	\$ 139,492	\$ 74,616	\$ 61,204	\$ 44,821	\$ 894,859
2012 Rider Year	Jul-12 Actual	Aug-12 Actual	Sep-12 Actual	Oct-12 Actual	Nov-12 Actual	Dec-12 Actual	Jan-13 Actual	Feb-13 Actual	Mar-13 Actual	Apr-13 Actual	May-13 Actual	Jun-13 Actual	Total-12
Revenue Collections	\$ 39,293	\$ 44,992	\$ 66,987	\$ 96,256	\$ 153,203	\$ 212,903	\$ 333,863	\$ 333,863	\$ 283,629	\$ 247,073	\$ 147,947	\$ 82,831	\$ 2,042,839
2013 Rider Year	Jul-13 Actual	Aug-13 Actual	Sep-13 Actual	Oct-13 Actual	Nov-13 Actual	Dec-13 Actual	Jan-14 Actual	Feb-14 Actual	Mar-14 Actual	Apr-14 Actual	May-14 Actual	Jun-14 Actual	Total-13
Revenue Collections	\$ 67,245	\$ 70,319	\$ 68,984	\$ 91,239	\$ 169,389	\$ 302,187	\$ 438,757	\$ 364,328	\$ 363,797	\$ 242,391	\$ 155,596	\$ 90,149	\$ 2,424,380
2014 Rider Year	Jul-14 Actual	Aug-14 Actual	Sep-14 Actual	Oct-14 Actual	Nov-14 Actual	Dec-14 Actual	Jan-15 Actual	Feb-15 Forecast	Mar-15 Forecast	Apr-15 Forecast	May-15 Forecast	Jun-15 Forecast	Total-14
Residential								56,126,250	45,491,761	25,202,915	15,516,742	9,371,554	151,709,220
Commercial								30,948,079	25,735,498	14,064,024	9,585,014	4,859,488	85,192,102
Demand								3,495,292	3,747,903	2,450,957	2,119,640	1,505,394	13,319,187
Interruptible								12,940,169	10,758,599	10,113,710	8,409,773	6,384,415	48,606,667
Transport								13,883,374	17,387,149	25,121,545	17,025,147	20,162,517	93,579,733
Interdepartmental								77,800	67,063	38,816	55,325	40,259	279,263
Total Therms								117,470,964	103,187,974	76,991,967	52,711,641	42,323,626	392,686,172
Gas Factor								0.002238	0.002238	0.002238	0.002238	0.002238	
Revenue Collections	\$ 71,882	\$ 56,922	\$ 59,361	\$ 82,810	\$ 130,778	\$ 261,538	\$ 296,717	\$ 262,900	\$ 230,935	\$ 172,308	\$ 117,969	\$ 94,720	\$ 1,838,840
2015 Rider Year	Jul-15 Forecast	Aug-15 Forecast	Sep-15 Forecast	Oct-15 Forecast	Nov-15 Forecast	Dec-15 Forecast	Jan-16 Forecast	Feb-16 Forecast	Mar-16 Forecast	Apr-16 Forecast	May-16 Forecast	Jun-16 Forecast	Total-15
Residential	6,291,582	6,582,002	8,689,770	19,763,896	39,716,159	58,410,415	70,489,725	58,889,480	43,734,424	25,787,989	13,007,628	5,313,892	358,676,962
Commercial	4,042,297	4,476,354	5,067,844	10,260,437	20,567,030	31,775,675	36,978,989	32,002,969	25,546,672	15,138,100	8,752,445	4,576,800	199,185,613
Demand	1,460,943	1,482,030	1,501,397	1,987,316	2,614,118	3,328,188	4,265,722	3,536,617	3,789,066	2,486,438	2,140,993	1,523,894	30,116,723
Interruptible	5,876,698	5,959,638	5,286,875	7,473,256	11,444,025	13,966,415	14,098,527	13,019,695	10,453,558	10,135,331	7,647,581	6,452,278	111,813,878
Transport	28,744,089	34,307,699	15,081,852	18,433,355	18,315,347	17,737,487	23,278,482	21,372,241	21,646,886	13,689,965	22,831,877	21,559,920	256,999,271
Interdepartmental	178,667	50,134	52,878	57,382	69,713	59,882	65,855	66,847	67,666	65,409	60,043	47,592	842,069
Total Therms	46,594,277	52,857,859	35,680,615	57,975,642	92,726,393	125,278,064	149,177,301	128,887,848	107,238,272	67,303,232	54,440,567	39,474,446	957,634,516
Gas Factor	0.001898	0.001898	0.001898	0.001898	0.001898	0.001898	0.001898	0.001898	0.001898	0.001898	0.001898	0.001898	
Revenue Collections	\$ 88,436	\$ 100,324	\$ 67,722	\$ 110,038	\$ 175,995	\$ 237,778	\$ 283,139	\$ 244,629	\$ 203,538	\$ 127,742	\$ 103,328	\$ 74,922	\$ 1,817,590
2016 Rider Year	Jul-16 Forecast	Aug-16 Forecast	Sep-16 Forecast	Oct-16 Forecast	Nov-16 Forecast	Dec-16 Forecast	Jan-17 Forecast	Feb-17 Forecast	Mar-17 Forecast	Apr-17 Forecast	May-17 Forecast	Jun-17 Forecast	Total-16
Residential	5,770,239	5,665,747	7,391,222	19,656,182	38,796,799	61,724,612	70,352,905	57,605,169	45,617,036	25,728,762	12,493,916	4,949,502	355,752,090
Commercial	4,786,610	4,301,251	5,033,033	10,485,972	19,928,928	31,900,512	37,026,183	31,588,899	25,676,300	15,493,839	8,631,717	4,666,808	199,520,050
Demand	1,484,854	1,494,541	1,520,045	2,015,850	2,641,611	3,377,183	4,312,099	3,584,905	3,856,080	2,523,011	2,163,022	1,542,965	30,496,168
Interruptible	6,286,621	5,613,410	5,303,132	7,795,432	10,994,904	14,155,036	13,690,802	12,960,544	10,284,766	10,315,958	7,194,368	6,471,265	111,066,238
Transport	29,137,659	31,355,476	15,324,797	8,223,049	9,849,643	17,546,462	21,284,785	22,509,852	14,967,841	15,954,247	24,399,069	19,260,015	229,812,895
Interdepartmental	142,977	98,453	50,263	48,579	94,011	65,111	63,241	65,842	66,058	65,409	57,429	145,430	962,802
Total Therms	47,608,960	48,528,878	34,622,493	48,225,065	82,305,895	128,768,915	146,730,015	128,315,210	100,448,080	70,081,226	54,939,521	37,035,985	927,610,243
Gas Factor	0.001943	0.001943	0.001943	0.001943	0.001943	0.001943	0.001943	0.001943	0.001943	0.001943	0.001943	0.001943	
Revenue Collections	\$ 92,504	\$ 94,292	\$ 67,272	\$ 93,701	\$ 159,920	\$ 250,198	\$ 285,096	\$ 249,316	\$ 195,171	\$ 136,168	\$ 106,747	\$ 71,961	\$ 1,802,347

Base Assumptions - Gas Cast Iron Pipe
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Capital Structure			
	<u>Percent</u>	<u>Cost</u>	<u>Weighted Cost</u>
Long Term Debt %	44.96%	5.14%	2.31%
Short Term Debt %	2.48%	0.75%	0.02%
Preferred Stock %	0.00%	0.00%	0.00%
Common Stock %	<u>52.56%</u>	10.09%	<u>5.30%</u>
	100.00%		7.63%

Income Tax Rates								
		2015	2014	2013		2015	2014	2013
Income Tax Rates	MN Jur	9.8000%	9.8000%	9.8000%	Federal	35.0000%	35.0000%	35.0000%
MN Composite Income Tax Rate	MN Jur	41.3700%	41.3700%	41.3700%	MN Co	40.8144%	40.8144%	40.8277%

Property Tax Rates					
			2015	2014	2013
Property Tax Rate = Goodhue	100.00 % Taxable		1.820%	1.820%	1.807%
Property Tax Rate = Ramsey	100.00 % Taxable		2.166%	2.166%	2.192%
Property Tax Rate = Rice	100.00 % Taxable		1.658%	1.658%	1.720%
Property Tax Rate = Stearns	100.00 % Taxable		1.839%	1.839%	1.815%
Property Tax Rate = Washington	100.00 % Taxable		1.911%	1.911%	1.856%
Property Tax Rate = Winona	100.00 % Taxable		1.545%	1.545%	1.559%

State of MN Allocator							
Gas Distribution							
		Total	Minnesota Company	Minnesota	N Dakota	S Dakota	Wholesale WI Co
Direct Assigned - Minnesota		100.000000%	100.000000%	100.000000%	0.000000%	0.000000%	0.000000%

Northern States Power Company, a Minnesota corporation
Gas Operations - State of Minnesota
RATE BASE SCHEDULES
RATE BASE ADJUSTMENT SCHEDULES
2010 Unadjusted Test Year versus 2010 Adjusted Test Year
(\$000's)

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Exhibit____(AEH-1), Schedule 3A
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Line No.	Description	Unadjusted	Projected	CIAC 2004	CIAC 2007	CIAC 2010	SEP	New Area	Income	Adjusted
			Gas Storage	Rate Case Adjustment	Rate Case Adjustment	Rate Case Adjustment	Rider Adjustment			
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Gas Plant as Booked										
1	Production	\$15,537								\$15,537
2	Storage	\$30,880								\$30,880
3	Transmission	\$63,410								\$63,410
4	Distribution	\$739,803		(\$2,366)	(\$82)	(\$105)	(\$3,261)			\$733,991
5	General	\$33,543								\$33,543
6	Common	\$62,221								\$62,221
7	TBT Investment	\$0								\$0
8	TOTAL Utility Plant in Service	\$945,395		(\$2,366)	(\$82)	(\$105)	(\$3,261)	\$0		\$939,582
Reserve for Depreciation										
9	Production	\$11,942								\$11,942
10	Storage	\$23,142								\$23,142
11	Transmission	\$24,423								\$24,423
12	Distribution	\$333,684		(\$465)	(\$10)	(\$2)	(\$48)	(\$1,036)		\$332,123
13	General	\$12,567								\$12,567
14	Common	\$41,876								\$41,876
15	TOTAL Reserve for Depreciation	\$447,634		(\$465)	(\$10)	(\$2)	(\$48)	(\$1,036)		\$446,074
Net Utility Plant in Service										
16	Production	\$3,595								\$3,595
17	Storage	\$7,738								\$7,738
18	Transmission	\$38,987								\$38,987
19	Distribution	\$406,119		(\$1,901)	(\$72)	(\$103)	(\$3,213)	\$1,036		\$401,867
20	General	\$20,976								\$20,976
21	Common	\$20,345								\$20,345
22	TBT Investment	\$0								\$0
23	Net Utility Plant in Service	\$497,760		(\$1,901)	(\$72)	(\$103)	(\$3,213)	\$1,036		\$493,508
24	Utility Plant Held for Future Use	\$0								\$0
25	Construction Work in Progress	\$4,337								\$4,337
26	Less: Accumulated Deferred Income Tax	\$92,687		(\$473)	(\$4)	(\$1)	(\$52)	(\$26)		\$92,132
27	Cash Working Capital	(\$4,321)							\$379	(\$3,942)
Other Rate Base Items:										
28	Materials and Supplies	\$1,037								\$1,037
29	Gas In Storage	\$40,566	\$2,133							\$42,699
30	Non-Plant Assets & Liabilities	(\$9,805)								(\$9,805)
31	Prepayments	\$5,651								\$5,651
32	Customer Advances	(\$1,653)								(\$1,653)
33	Other Working Capital	\$897								\$897
34	Total Other Rate Base Items	\$36,693	\$2,133	\$0	\$0	\$0	\$0	\$0	\$0	\$38,826
35	Total Average Rate Base	\$441,783	\$2,133	(\$1,428)	(\$69)	(\$102)	(\$3,161)	\$1,062	\$379	\$440,597

Northern States Power Company, a Minnesota corporation
 Gas Operations - State of Minnesota
INCOME STATEMENT SCHEDULES
INCOME STATEMENT ADJUSTMENT SCHEDULES
 2010 Unadjusted Test Year versus 2010 Adjusted Test Year
 (\$000's)

Docket No. G002/GR-09-1153
 Exhibit (AEH-1), Schedule 3A
 Page 2 of 3

Line No.	Description	2010 Unadjusted(1)	Projected Gas Storage Adjustment 1	CIAC 2004 Rate Case Adjustment 2	CIAC 2007 Rate Case Adjustment 3	CIAC 2010 Rate Case Adjustment 4	SEP Rider Adjustment 5	New Area Surcharge Adjustment 6	Charitable Contributions Adjustment 7	Interest on Customer Deposits Adjustment 8	Advertising Adjustment 9	Professional & Association Dues Adjustment 10
Operating Revenues												
1	Retail	\$580,760					(\$269)					
2	Weather Impact Net Margin Adjustment	0										
3	Interdepartmental & Transportation	9,050										
4	Other Operating	5,392										
5	Gross Earnings Tax	0										
6	Total Operating Revenues	\$595,192	\$0	\$0	\$0	\$0	(\$269)	\$0	\$0	\$0	\$0	\$0
Expenses												
Operating Expenses:												
7	Purchased Gas	\$426,919										
8	Other Production	4,305										
9	Transmission	1,261										
10	Distribution	28,447										
11	Customer Accounting	15,700										
12	Customer Service & Information	14,896										
13	Administrative & General	17,213							153	16	(254)	(2)
14	Sales, Econ Dvlp & Other	47									(19)	
15	Total Operating Expenses	\$508,787	\$0	\$0	\$0	\$0	\$0	\$0	\$153	\$16	(\$273)	(\$2)
16	Depreciation	\$32,877		(\$72)	(\$3)	(\$3)	(\$70)	\$128				
17	Amortizations	(99)					99					
Taxes:												
18	Property	\$12,798					(\$22)					
19	Gross Earnings	0										
20	Deferred Income Tax & ITC	2,764		6	(1)	(1)	(70)	(52)				
21	Federal & State Income Tax	6,511	(27)	42	3	4	(4)	(13)	(63)	(7)	113	1
22	Payroll & Other	1,946										
23	Total Taxes	\$24,019	(\$27)	\$48	\$2	\$3	(\$86)	(\$65)	(\$63)	(\$7)	\$113	\$1
24	Total Expenses	\$565,584	(\$27)	(\$24)	(\$1)	(\$0)	(\$67)	\$63	\$90	\$9	(\$160)	(\$1)
25	Allowance for Funds Used During Construction	\$414										
26	Total Operating Income	\$30,022	\$27	\$24	\$1	\$0	(\$202)	(\$63)	(\$90)	(\$9)	\$160	\$1
Revenue Requirement												
27	Total Rate Base	\$441,783	\$2,133	(\$1,428)	(\$69)	(\$102)	(\$3,161)	\$1,062	\$0	\$0	\$0	\$0
28	Require Operating Inc (RB * Req Return)	\$38,877	\$188	(\$126)	(\$6)	(\$9)	(\$278)	\$93	\$0	\$0	\$0	\$0
29	Operating Income	\$30,022	\$27	\$24	\$1	\$0	(\$202)	(\$63)	(\$90)	(\$9)	\$160	\$1
30	Operating Income Deficiency	\$8,855	\$161	(\$150)	(\$7)	(\$9)	(\$76)	\$158	\$90	\$9	(\$160)	(\$1)
31	Revenue Requirement	\$15,103	\$275	(\$256)	(\$12)	(\$16)	(\$130)	\$266	\$153	\$16	(\$273)	(\$2)
Schedule M Items												
		42,771	-	(58)	(5)	(6)	(240)	-	-	-	-	-
Tax Additions												
		136	-	-	-	-	-	-	-	-	-	-
Rate Base Adjustment												
		441,783	2,133	(1,428)	(69)	(102)	(3,161)	1,062	-	-	-	-
Cost of Debt												
		3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%
Tax Rate												
		0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137
Calculation of Federal And State Income Tax												
		595,192	0	0	0	0	(269)	0	0	0	0	0
	Operating Revenue											
	Less Operating Expenses	508,787	0	0	0	0	0	0	153	16	(273)	(2)
	Operating Income before Adjustments	86,405	0	0	0	0	(269)	0	(153)	(16)	273	2
	Additions to Income	136	0	0	0	0	0	0	0	0	0	0
	Deductions from Income	57,416	0	(58)	(5)	(6)	(163)	0	0	0	0	0
	Debt Synchronization	13,386	65	(43)	(2)	(3)	(96)	32	0	0	0	0
	Operating Income After Adjustments	15,739	(65)	101	7	9	(10)	(32)	(153)	(16)	273	2
	Federal & State Income Tax	6,511	(27)	42	3	4	(4)	(13)	(63)	(7)	113	1

Northern States Power Company, a Minnesota corporation
 Gas Operations - State of Minnesota
 INCOME STATEMENT SCHEDULES
 INCOME STATEMENT ADJUSTMENT SCHEDULES
 2010 Unadjusted Test Year versus 2010 Adjusted Test Year
 (\$000's)

Docket No. G002/GR-09-1153
 Exhibit (AEH-1), Schedule 3A
 Page 3 of 3

Line No.	Description	Incentive Compensation Adjustment 11	Employee Expense Adjustment 12	2009 Wage Increase Adjustment 13	Gas Affordability Program Adjustment 14	CIP Adjustment 15	CIP Incentive Bonus Removal 16	Economic Development Adjustment 17	Rate Case Expense Amortization 18	CWC 19	2010 Adjusted(1)
Operating Revenues											
1	Retail					(9,286)					\$571,205
2	Weather Impact Net Margin Adjustment										0
3	Interdepartmental & Transportation										9,050
4	Other Operating						(1,027)				4,355
5	Gross Earnings Tax										0
6	Total Operating Revenues	\$0	\$0	\$0	\$0	(\$9,286)	(\$1,027)	\$0	\$0	\$0	\$584,610
Expenses											
Operating Expenses:											
7	Purchased Gas										\$426,919
8	Other Production										4,305
9	Transmission										1,261
10	Distribution										28,447
11	Customer Accounting				(20)						15,660
12	Customer Services & Information					(9,286)					5,610
13	Administrative & General	(625)	(108)	236							16,629
14	Sales, Econ Dvlp & Other							3			31
15	Total Operating Expenses	(\$625)	(\$108)	\$236	(\$20)	(\$9,286)	\$0	\$3	\$0	\$0	\$498,882
16	Depreciation										\$32,857
17	Amortizations								532		532
Taxes:											
18	Property										\$12,776
19	Gross Earnings										0
20	Deferred Income Tax & ITC										2,646
21	Federal & State Income Tax	259	45	(98)	8	0	(425)	(1)	(220)	(5)	6,122
22	Payroll & Other										1,946
23	Total Taxes	\$259	\$45	(\$98)	\$8	\$0	(\$425)	(\$1)	(\$220)	(\$5)	\$23,490
24	Total Expenses	(\$366)	(\$63)	\$138	(\$12)	(\$9,286)	(\$425)	\$2	\$312	(\$5)	\$555,761
25	Allowance for Funds Used During Construction										\$414
26	Total Operating Income	\$366	\$63	(\$138)	\$12	\$0	(\$602)	(\$2)	(\$312)	\$5	\$29,263
Revenue Requirement											
27	Total Rate Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$379	\$440,597
28	Require Operating Inc (RB * Req Return)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33	\$38,773
29	Operating Income	\$366	\$63	(\$138)	\$12	\$0	(\$602)	(\$2)	(\$312)	\$5	\$29,263
30	Operating Income Deficiency	(\$366)	(\$63)	\$138	(\$12)	\$0	\$602	\$2	\$312	(\$5)	\$9,510
31	Revenue Requirement	(\$625)	(\$108)	\$236	(\$20)	\$0	\$1,027	\$3	\$532	\$48	\$16,220
Schedule M Items											
	Tax Additions	-	-	-	-	-	-	-	-	-	-
	Rate Base Adjustment	-	-	-	-	-	-	-	-	379	440,597
	Cost of Debt	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%
	Tax Rate	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137	0.4137
Calculation of Federal And State Income Tax											
	Operating Revenue	0	0	0	0	(9,286)	(1,027)	0	0	0	584,610
	Less Operating Expenses	(625)	(108)	236	(20)	(9,286)	0	3	0	0	498,882
	Operating Income before Adjustments	625	108	(236)	20	0	(1,027)	(3)	0	0	85,728
	Additions to Income	0	0	0	0	0	0	0	0	0	0
	Deductions from Income	0	0	0	0	0	0	0	532	0	14,722
	Debt Synchronization	0	0	0	0	0	0	0	0	11	13,350
	Operating Income After Adjustments	625	108	(236)	20	0	(1,027)	(3)	(532)	(11)	57,656
	Federal & State Income Tax	259	45	(98)	8	0	(425)	(1)	(220)	(5)	6,122

Revenue Requirements Category Descriptions

This attachment explains the three categories (Rate Base, Calculation of Return and Income Statement Items) and each component of these categories used to determine the Revenue Requirement. The calculation of the Revenue Requirement for the Cast Iron Replacement project is shown on Attachment D2.

I. Rate Base

The following section explains each component of the Rate Base category and the rationale for including or excluding the cost.

Plant in Service - This is an addition to rate base. This category reflects the original cost of gas plant that has been put into service. In the specific case of the annual 2015 plant in service for the natural gas Cast Iron Pipe Replacement project, the \$13,736,108 shown on Attachment D2 of this filing reflects the dollar value portion of the project in service as of June 30, 2016, which results in an increase to rate base. Standard ratemaking methodology calls for the inclusion of this item in the determination of rate base.

Book Depreciation Reserve - This is a reduction to rate base. It reflects the accumulated recovery of the amount invested in plant in service. In the specific case of the 2014 book depreciation reserve for the natural gas Cast Iron Pipe Replacement project, the \$1,753,779 shown on Attachment D2 of this filing reflect the amount of the plant in service that has been recovered as of June 30, 2016, which results in a decrease to rate base. Standard ratemaking methodology calls for the exclusion of this credit balance in an asset account (contra-asset) from plant in service in the determination of rate base.

Accumulated Deferred Taxes - This is a reduction to rate base. It reflects the tax timing differences between book and tax depreciation lives and other non-plant book/tax timing differences, multiplied by the tax rate. Over the life of an asset, the Accumulated Deferred Tax is zero. In the specific case of the 2015 accumulated deferred taxes for the natural gas Cast Iron Pipe Replacement project, the \$1,100,734 shown on Attachment D2 of this filing reflects the accumulation of tax timing differences between book and tax depreciation through June 2016, which results in a decrease to rate base. Standard ratemaking methodology calls for the exclusion of this timing related asset in the determination of rate base.

II. Calculation of Return

The following section explains both components of the Calculation of Return category. Note that for both items below, standard ratemaking methodology calls for the inclusion of these items in the calculation of revenue requirements.

Debt Return - This category reflects the return the Company is allowed in order to recover its weighted cost of debt for financing its capital investments. In the specific case of the annual 2015 debt return for the natural gas Cast Iron Pipe Replacement project, the \$259,471 shown on Attachment D2 of this filing reflect the amount of debt return the Company is allowed for July 2015 - June 2016 based on the overall cost of capital approved in the most recent natural gas rate filing (Docket No. G002/GR-09-1153).

Equity Return - This category reflects the return the Company is allowed in order to recover its weighted cost of equity for financing its capital investments. In the specific case of the annual 2015 equity return for the Gas natural gas Cast Iron Pipe Replacement project, the \$590,213 shown on Attachment D2 of this filing reflect the amount of return on equity the Company is allowed for July 2015 - June 2016 based on the overall cost of capital approved in the most recent natural gas rate filing (Docket No. G002/GR-09-1153).

III. Income Statement Items

The following section explains each component of the Income Statement Items category. Note that for each item below, standard ratemaking methodology call for the inclusion of these items in the calculation of revenue requirements.

Property Taxes - This category reflects the estimated property taxes billed from local taxing authorities that the Company must pay based on the original cost of the Company's assets. Property taxes accrued are based on the original cost at December 31 from the prior year, then paid the following year. In the specific case of the annual 2015 property tax amount for the natural gas Cast Iron Pipe Replacement project, the \$288,130 shown on Attachment D2 of this filing reflect one half of the amount of property taxes the Company is anticipating to accrue in calendar year 2015 for the plant in service as of December 31, 2015, plus one-half of calendar year 2016. We reflect one half of each year, since the 2015-2016 SEP period is split evenly across both calendar periods.

Book Depreciation - This category reflects the monthly/annual depreciation expense that is accumulated in the book depreciation reserve defined in part a) subsection ii). In the specific case of the annual 2015 book depreciation for the natural gas Cast Iron Pipe Replacement project, the \$351,034 shown on Attachment D2 reflects the amount of plant in service that is being recovered through depreciation expense from July 2015 - June 2016 and results in an increase to revenue requirements.

Deferred Taxes - This category reflects the monthly/annual deferred tax expense that is accumulated in the accumulated deferred reserve defined in part a) subsection iii). In the specific case of the annual 2015 deferred taxes for the natural gas Cast Iron Pipe Replacement project, the \$164,007 shown on Attachment D2 reflects the July 2015-June 2016 tax timing difference when book expense differs from tax expense and results in an increase to revenue requirements.

Current Taxes - This category reflects the current income taxes the Company is anticipated to pay based on its taxable income. In the specific case of the annual 2015 current taxes for the natural gas Cast Iron Pipe Replacement project, the \$ 248,646 shown on Attachment D2 reflects the amount of current income taxes the Company is anticipating to pay as a result of the taxable income being generated by the Cast Iron Pipe Replacement project.

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Northern States Power Company, A Minnesota Corporation

Facility Identifier: 524615

Facility Reporting Year: 2013

Facility Location:

Address: 414 Nicollet Mall

City: Minneapolis

State: MN

Postal Code: 55401

Facility Site Details:

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons): 48393.7

CO2 equivalent emissions from supplier subparts LL-QQ (metric tons): 4166888.6

Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons): 0

Cogeneration Unit Emissions Indicator: NA

GHG Report Start Date: 2013-01-01

GHG Report End Date: 2013-12-31

Description of Changes to Calculation Methodology:**Part 75 Biogenic Emissions Indication:**

Plant Code Indicator: N

Primary NAICS Code: 221210

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: XCEL ENERGY INC

Address: 414 Nicollet Mall, Minneapolis, MN 55401

Percent Ownership Interest: 100

Subpart W: Petroleum and Natural Gas Systems

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Methane		1914.83 (Metric Tons)	
Nitrous Oxide		0.001 (Metric Tons)	
Carbon Dioxide		522.7 (Metric Tons)	

SubpartWSummaryDetails:

Industry Segment Number	8
Industry Segment Name	Natural gas distribution [98.230(a)(8)]

Annual throughput [98.236(d)] Gaseous Throughput (MMscf)	98674
Annual throughput [98.236(d)] Liquid Throughput (thousand barrels)	0
Total Reported CO2 Emissions (mt CO2)	522.7
Total Reported CH4 Emissions (mt CO2e)	47870.8
Total Reported N2O Emissions (mt CO2e)	0.3
Total Reported Emissions (mt CO2e)	48393.8

SubpartWSourceReportingFormRowDetails:

Source Reporting Form	Sub-Basin Selection
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	N/A
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	N/A
Source Reporting Form	Natural Gas Pneumatic Devices [98.236(c)(1)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Natural Gas Driven Pneumatic Pumps [98.236(c)(2)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Acid Gas Removal Units [98.236(c)(3)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Dehydrators [98.236(c)(4)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Well Venting for Liquids Unloading [98.236(c)(5)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0

Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Gas Well Completions and Workovers [98.236(c)(6)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Blowdown Vent Stacks [98.236(c)(7)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Gas from Produced Oil Sent to Atmospheric Tanks [98.236(c)(8)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Transmission Tanks [98.236(c)(9)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Well Testing Venting and Flaring [98.236(c)(10)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Associated Gas Venting and Flaring [98.236(c)(11)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Flare Stacks [98.236(c)(12)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0

Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Centrifugal Compressors [98.236(c)(13)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Reciprocating Compressors [98.236(c)(14)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Other Emissions from Equipment Leaks Estimated Using Emission Factors [98.236(c)(15)]
Required for Selected Industry Segment	Yes
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Local Distribution Companies [98.236(c)(16)]
Required for Selected Industry Segment	Yes
Total Reported CO2 Emissions (mt CO2)	57.7
Total Reported CH4 Emissions (mt CO2e)	47870.6
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	47928.3
Source Reporting Form	Enhanced Oil Recovery Injection Pump Blowdown [98.236(c)(17)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Enhanced Oil Recovery Hydrocarbon Liquids Dissolved CO2 [98.236(c)(18)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Onshore Petroleum and Natural Gas Production and Natural Gas

	Distribution Combustion Emissions [98.236(c)(19)]
Required for Selected Industry Segment	Yes
Total Reported CO2 Emissions (mt CO2)	465.0
Total Reported CH4 Emissions (mt CO2e)	0.2
Total Reported N2O Emissions (mt CO2e)	0.3
Total Reported Emissions (mt CO2e)	465.5
Source Reporting Form	Offshore Sources [98.236(b)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0

OtherEmissionsFromEquipmentLeaksDetails:

mt CO2	0.0
mt CH4 (mt CO2e)	0.0
mt N2O (mt CO2e)	N/A
Total Emissions (mt CO2e)	0.0
Does the facility have any equipment leaks subject to reporting under 98.232?	No
Were BMM used for any parameters to calculate GHG emissions? [98.3(c)(7)]	No
Provide a brief description of the BMM used, parameter measured, and time period. [98.3(c)(7)]	
Were missing data procedures used for any parameters to calculate GHG emissions? [98.235]	No

LocalDistributionCompaniesDetails:

mt CO2	57.7
mt CH4 (mt CO2e)	47870.6
mt N2O (mt CO2e)	N/A
Total Emissions (mt CO2e)	47928.3
Were BMM used for any parameters to calculate GHG emissions? [98.3(c)(7)]	No
Provide a brief description of the BMM used, parameter measured, and time period. [98.3(c)(7)]	
Were missing data procedures used for any parameters to calculate GHG emissions? [98.235]	No
Total number of above grade T-D transfer stations [98.236(c)(16)(i)]	54
Number of years over which all T-D transfer stations will be monitored at least once [98.236(c)(16)(ii)]	1
Number of T-D stations monitored in calendar year [98.236(c)(16)(iii)]	54
Total number of below grade T-D transfer stations [98.236(c)(16)(iv)]	0

Total number of above grade metering-regulating stations (this count will include above grade T-D transfer stations) [98.236(c)(16)(v)]	259
Total number of below grade metering-regulating stations (this count will include below grade T-D transfer stations) [98.236(c)(16)(vi)]	170
Annual CO2 emissions from all above grade T-D transfer stations combined (mt CO2) [98.236(c)(16)(xvii)]	0.0
Annual CH4 emissions from all above grade T-D transfer stations combined (mt CO2e) [98.236(c)(16)(xvii)]	0.0
Annual CO2 emissions from all below grade T-D transfer stations combined (mt CO2) [98.236(c)(16)(xviii)]	0.0
Annual CH4 emissions from all below grade T-D transfer stations combined (mt CO2e) [98.236(c)(16)(xviii)]	0.0
Annual CO2 emissions from all above grade metering-regulating stations (including T-D transfer stations) combined (mt CO2) [98.236(c)(16)(xix)]	0.0
Annual CH4 emissions from all above grade metering-regulating stations (including T-D transfer stations) combined (mt CO2e) [98.236(c)(16)(xix)]	0.0
Annual CO2 emissions from all below grade metering-regulating stations (including T-D transfer stations) combined (mt CO2) [98.236(c)(16)(xx)]	0.7
Annual CH4 emissions from all below grade metering-regulating stations (including T-D transfer stations) combined (mt CO2e) [98.236(c)(16)(xx)]	577.7
Annual CO2 emissions from all distribution mains combined (mt CO2) [98.236(c)(16)(xxi)]	49.4
Annual CH4 emissions from all distribution mains combined (mt CO2e) [98.236(c)(16)(xxi)]	40981.7
Annual CO2 emissions from all distribution services combined (mt CO2) [98.236(c)(16)(xxii)]	7.6
Annual CH4 emissions from all distribution services combined (mt CO2e) [98.236(c)(16)(xxii)]	6311.2
Leak factor for meter/regulator run developed in Equation W-32 of 98.233 [98.236(c)(16)(viii)] (NOTE: Report the leak factor for CH4 ONLY)	0
Number of miles of unprotected steel distribution mains [98.236(c)(16)(ix)]	37.559
Number of miles of protected steel distribution mains [98.236(c)(16)(x)]	968.841
Number of miles of plastic distribution mains [98.236(c)(16)(xi)]	7906.931
Number of miles of cast iron distribution mains [98.236(c)(16)(xii)]	0
Number of unprotected steel distribution services [98.236(c)(16)(xiii)]	5118

Number of protected steel distribution services [98.236(c)(16)(xiv)]	6156
Number of plastic distribution services [98.236(c)(16)(xv)]	383353
Number of copper distribution services [98.236(c)(16)(xvi)]	735

CombustionEmissionsDetails:

mt CO2	465.0
mt CH4 (mt CO2e)	0.2
mt N2O (mt CO2e)	0.3
Total Emissions (mt CO2e)	465.5
Does the Facility have combustion emissions subject to reporting under 98.232?	Yes
Were BMM used for any parameters to calculate GHG emissions? [98.3(c)(7)]	No
Provide a brief description of the BMM used, parameter measured, and time period. [98.3(c)(7)]	
Were missing data procedures used for any parameters to calculate GHG emissions? [98.235]	No

ExternalFuelHeatCapacityLessThanSpecifiedValueRowDetails:

Type of Unit [98.236(c)(19)(i)]	Process heaters
Number of Units [98.236(c)(19)(i)]	5

ExternalFuelHeatCapacityGreaterThanSpecifiedValueRowDetails:

Type of Unit [98.236(c)(19)(ii)]	Process heaters
Number of Units [98.236(c)(19)(ii)]	1
CO2 Emissions (mt CO2) [98.236(c)(19)(iii)]	465.0
CH4 Emissions (mt CO2e) [98.236(c)(19)(iii)]	0.2
N2O Emissions (mt CO2e) [98.236(c)(19)(iii)]	0.3

Subpart NN: Suppliers of Natural Gas and Natural Gas Liquids

Gas Information Details

Gas Name	Gas Quantity	Own Result?
Carbon Dioxide	4166888.6 (Metric Tons)	

Name	Value	Times Substituted
AnnualVolumeGasReceived	98649619 (Mscf)	0
Industry Standard for Volume: Industry standard practices		

Other Industry Standard for Volume: _____

Name	Value	Times Substituted
AnnualVolumeGasStored	240092 (Mscf)	0

Name	Value	Times Substituted
AnnualVolumeLNGforDelivery	264041 (Mscf)	0

Name	Value	Times Substituted
AnnualVolumeGasfromStorageforDelivery	0 (Mscf)	0

Name	Value	Times Substituted
AnnualVolumeGasDeliveredtoOtherLDC/Pipe	0 (Mscf)	0

Name	Value	Times Substituted
AnnualVolumeGasBypassedCityGate	0 (Mscf)	0

Name	Value	Own Result?
NN1CO2MassTotal	5370441.9 (Metric Tons)	N

Name	Value	Own Result?
NN3CO2MassTotal	0.0 (Metric Tons)	N

Name	Value	Own Result?
NN4CO2MassTotal	1204856.1 (Metric Tons)	N

Name	Value	Own Result?
NN5aCO2MassTotal	-1302.8 (Metric Tons)	N

Name	Value	Own Result?
NN5bCO2MassTotal	0.0 (Metric Tons)	N

NN1 Equation Details:

Name	Value	Times Substituted
DevelopedHHV	1.026 (MMBtu/Mscf)	

Name	Value	Times Substituted
DevelopedEF	53.06 (kg CO2/MMBtu)	

Industry Standard for HHV: Other Industry Standard for HHV:

Industry Standard for EF: Other Industry Standard for EF:

NN3 Equation Details:

Name	Value	Times Substituted
DevelopedEF	0.0544 (MT CO2/Mscf)	

Industry Standard for EF:

NN4 Equation Details:

Name	Value	Times Substituted
DevelopedEF	0.0544 (MT CO2/Mscf)	

Industry Standard for EF:

NN5a Equation Details:

Name	Value	Times Substituted
DevelopedEF	0.0544 (MT CO2/Mscf)	

Industry Standard for EF:

NN5b Equation Details:

Name	Value	Times Substituted
DevelopedEF	0.0544 (MT CO2/Mscf)	

Industry Standard for EF:

Large End-User Details

Name: Malt O Meal

Address: 705 5th St, Northfield, MN, 55057

Meter Number: 711058

EIA Number:

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	575660 (Mscf)

Name: St Paul Park Refining Co

Address: 360 3rd Ave, St Paul Park, MN, 55071

Meter Number: 712495

EIA Number:

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	1721728 (Mscf)

Name: St Paul Park Refining Co

Address: 360 3rd Ave, St Paul Park, MN, 55071

Meter Number: 712494

EIA Number:

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	1500192 (Mscf)

Name: St Paul Park Refining Co

Address: 360 3rd Ave, St Paul Park, MN, 55071

Meter Number: 712496

EIA Number:

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	1271912 (Mscf)

Name: Waldorf Corporation/Rock-Tenn

Address: 2241 Wabash Ave, St. Paul, MN, 55114

Meter Number: 477095

EIA Number:

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	2364667 (Mscf)

Name: High Bridge Combined Cycle Plant

Address: 155 Randolph Ave, St. Paul, MN, 55102

Meter Number: 684727

EIA Number: 1912

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	13021942 (Mscf)

Name: Blue Lake Generating Plant

Address: 1200 70th St, Shakopee, MN, 55379

Meter Number: 3980

EIA Number: 8027

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	1187258 (Mscf)

Name: American Crystal Sugar

Address: 2500 11th St , Moorhead, MN, 56560

Meter Number: 684836

EIA Number:

Total quantity of natural gas reported is the total quantity delivered to: Specific meter located at the facility

Name	Value
AnnualVolumeGasDeliveredtoMeter	504731 (Mscf)

NG Delivery Details

Name: Residential consumers

Name	Value
VolumeofNaturalGas	38574786 (Mscf)

Name: Commercial consumers

Name	Value
VolumeofNaturalGas	20498009 (Mscf)

Name: Industrial consumers

Name	Value
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VolumeofNaturalGas	24459372 (Mscf)
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Name: Electricity generating facilities

Name	Value
VolumeofNaturalGas	14933831 (Mscf)

CERTIFICATE OF SERVICE

I, Tiffany Hughes, hereby certify that I have this day served copies of the foregoing document on the attached list of persons.

xx by depositing a true and correct copy thereof, properly enveloped with postage paid in the United States mail at Minneapolis, Minnesota

xx electronic filing

DOCKET NO. E,G002/M-14-185

MISCELLANEOUS NATURAL GAS SERVICE LIST

Dated this 2nd day of March 2015

/s/

Tiffany Hughes

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Julia	Anderson	Julia.Anderson@ag.state.mn.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Gas_Xcel Miscl Gas
Jeffrey A.	Daugherty	jeffrey.daugherty@centerpointenergy.com	CenterPoint Energy	800 LaSalle Ave Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Gas_Xcel Miscl Gas
Ian	Dobson	ian.dobson@ag.state.mn.us	Office of the Attorney General-RUD	Antitrust and Utilities Division 445 Minnesota Street, BRM Tower St. Paul, MN 55101	Electronic Service 1400	No	GEN_SL_Northern States Power Company dba Xcel Energy-Gas_Xcel Miscl Gas
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 500 Saint Paul, MN 551012198	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Gas_Xcel Miscl Gas
Todd J.	Guerrero	todd.guerrero@kutakrock.com	Kutak Rock LLP	Suite 1750 220 South Sixth Street Minneapolis, MN 554021425	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Gas_Xcel Miscl Gas
Sandra	Hofstetter	N/A	MN Chamber of Commerce	7261 County Road H Fremont, WI 54940-9317	Paper Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Gas_Xcel Miscl Gas
Michael	Hoppe	il23@mtn.org	Local Union 23, I.B.E.W.	932 Payne Avenue St. Paul, MN 55130	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Gas_Xcel Miscl Gas
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Sandra	Hofstetter	N/A	MN Chamber of Commerce	7261 County Road H Fremont, WI 54940-9317	Paper Service	No	OFF_SL_14-185_M-14-185

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Lisa	Veith	lisa.veith@ci.stpaul.mn.us	City of St. Paul	400 City Hall and Courthouse 15 West Kellogg Blvd. St. Paul, MN 55102	Electronic Service	No	OFF_SL_14-185_M-14-185

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Daniel P	Wolf	dan.wolf@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 551012147	Electronic Service	Yes	OFF_SL_14-185_M-14-185