

PUBLIC DOCUMENT TRADE SECRET DATA EXCISED

November 2, 2015

—VIA ELECTRONIC FILING—

Daniel P. Wolf Executive Secretary Minnesota Public Utilities Commission 121 7th Place East, Suite 350 St. Paul, MN 55101-2147

Re: PETITION

NEW BASE COST OF ENERGY DOCKET NO. E002/MR-15-827

Dear Mr. Wolf:

Northern States Power Company, doing business as Xcel Energy, submits this Petition for approval of a new base cost of energy to be used in determining the fuel clause adjustment for interim rates in conjunction with our general electric rate case filing (Docket No. E002/GR-15-826).

Portions of Attachment 1 of this Petition contain Non-Public information as defined by Minn. Stat. §13.37 and have been marked pursuant to Minn. R. 7829.0500. We provide a justification for the identification of the Trade Secret information within the Petition.

We have electronically filed this document, and served copies on the parties on the attached service list. Please contact me at gail.baranko@xcelenergy.com or (612) 330-6935 if you have any questions regarding this filing.

Sincerely,

/s/

GAIL BARANKO MANAGER, REGULATORY PROJECT MANAGEMENT

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 NEW BASE COST OF ENERGY DOCKET NO. E002/MR-15-827

PETITION

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy, submits to the Minnesota Public Utilities Commission this Petition for approval to establish a new base cost of energy in the Fuel Clause Rider. Consistent with the Commission's Rules and past practices, we propose the effective date of our new base cost of energy to coincide with the implementation of interim rates in the Company's general electric rate case filing. We are filing this Petition contemporaneously with the filing of the Company's Petition for Authority to Increase Rates for Electric Utility Service (Docket No. E002/GR-15-826).

I. SUMMARY OF FILING

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

II. SERVICE ON OTHER PARTIES

Pursuant to Minn. R. 7829.1300, subpt. 2, we have served a copy of this Petition on all parties on Xcel Energy's miscellaneous electric service list and the service lists used in the concurrently filed electric rate case. A certificate of service and the service lists are attached.

III. GENERAL FILING INFORMATION

Pursuant to Minn. R. 7829.1300, subpt. 3, Xcel Energy provides the following required information.

A. Name, Address, and Telephone Number of Utility

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

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

Amanda Rome Lead Assistant General Counsel Xcel Energy Services Inc. 414 Nicollet Mall Minneapolis, Minnesota 55401 (612) 215-5331

C. Date of Filing and Date Modified Rates Take Effect

Xcel Energy submits this filing on November 2, 2015. Pursuant to Minn. Stat. § 216B.16, subd. 1, the Company requests approval of the new base cost of energy and corresponding revised tariff sheet effective with the implementation of interim rates in Docket No. E002/GR-15-826, which will occur no earlier than January 2, 2016.

D. Statute Controlling Schedule for Processing the Filing

Minn. Stat. § 216B.16, subd. 1, requires sixty days notice to the Commission of a proposed tariff change, after which the proposed change will take effect if not suspended. Under the Commission's Rules, the proposed tariff change addressed in this Petition is considered to be a "miscellaneous tariff filing" as no determination of Xcel Energy's general revenue requirement is necessary. Minn. R. 7829.1400, subpts. 1 and 4, permit comments in response to a miscellaneous tariff filing within 30 days of filing, with reply comments due 10 days thereafter.

E. Utility Employee Responsible for Filing

Gail Baranko Manager, Regulatory Project Management Xcel Energy 414 Nicollet Mall, 7th Floor Minneapolis, MN 55401 (612) 330-6935

IV. DESCRIPTION AND PURPOSE OF FILING

A. Background

Xcel Energy's current base cost of energy is \$0.02780 per kWh, which was approved by the Commission in Docket No. E002/MR-13-869. Since the Commission approved the current base cost factor, energy costs have remained relatively stable. For the 2016 test year, we project the average annual fuel and purchased power costs to be \$0.02714 per kWh.

B. Description of the Revised Base Cost of Energy

Consistent with Minn. R. 7825.2600, subpt. 2, the Company requests that the Commission approve a new base cost of energy of \$0.02714 per kWh. The Company respectfully requests the new base cost of energy take effect at the same time as our requested interim rates go into effect, as set forth in our interim rate petition in Docket No. E002/GR-15-826. We note that our Petition for Interim Rates proposes interim rates that use the base cost of energy requested in the instant Petition.

The revised base cost calculation, included as Attachment 1 to this Petition, is based on information used in our electric rate case filing. Specifically, the revised base cost incorporates rate case information regarding:

- Total System fuel and energy costs, excluding costs of fuel associated with intersystem sales projections, MISO Schedule 16, 17 and 24 expenses, Windsource costs, and margin sharing refunds;
- Test year calendar month Minnesota jurisdictional sales; and
- Test year Minnesota jurisdictional calendar month costs, including recovery of Minnesota solar gardens.

Attachment 2 provides the references to our electric rate case filing for the source of this information. In addition, we used this proposed base cost of energy when

developing the "present" and "proposed" rate revenues included in our electric rate case filing.

Consistent with the approach used in our last general electric rate case proceeding (Docket No. E002/GR-13-868), our proposed base cost reflects the combination of the current base cost of energy (\$0.02780 per kWh) and a simple average of costs below that current base amount (\$0.00066 per kWh), for a total of \$0.02714 per kWh. This approach ensures no change in rate design during the interim rate period, in that fuel and purchased power costs will continue to be independently recovered from customers just as if we had not changed the base cost and had continued to collect any shortfall or credit any surplus to customers through the Fuel Clause Charge.

Consistent with the Commission's decision in Docket No. E002/MR-13-869, the Company understands that the Commission decision on this proposed new base cost of energy does not preclude parties from disputing the assumptions used in this petition in our general rate case, nor does it preclude the Commission from adopting different assumptions than those used in this petition when reviewing and determining final rates in the general rate case. Upon implementation of final rates in our concurrent electric rate case filing, a revised base cost of energy will be established using updated class usage information adopted in that case, subject to the terms of the Commission's final Order.

The detailed information used to determine the base cost of energy contains Trade Secret information regarding our production costs. Attachment 3 provides our justification for classifying this information as Trade Secret.

C. Proposed Tariff Sheets

Attachment 4 to this Petition is the proposed Fuel Clause Rider tariff page showing the requested base cost of energy. Our Petition for Interim Rates contains schedules of proposed interim rates that incorporate the requested base cost of energy for each customer class.

V. EFFECT OF CHANGE UPON XCEL ENERGY REVENUE

This Petition does not affect the Company's revenues. Rather, it simply reflects a lower base cost of energy within the same determined monthly Fuel Adjustment Factor (FAF). Because the FAF adjusts monthly and is trued up to collect actual costs incurred, any change in revenue is offset by a change in costs.

VI. MISCELLANEOUS INFORMATION

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

Amanda Rome
Lead Assistant General Counsel
Xcel Energy
414 Nicollet Mall
Minneapolis, Minnesota 55401
Amanda.Rome@xcelenergy.com

SaGonna Thompson
Regulatory Administrator
Xcel Energy
414 Nicollet Mall
Minneapolis, Minnesota 55401
Regulatory.Records@xcelenergy.com

CONCLUSION

Xcel Energy respectfully requests Commission approval of the Company's proposed new base cost of energy and corresponding FCR tariff to be effective with the interim rates in the general electric rate case.

Dated: November 2, 2015

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 NEW BASE COST OF ENERGY DOCKET NO. E002/MR-15-827

PETITION

SUMMARY OF FILING

Please take notice that on November 2, 2015, Northern States Power Company filed with the Minnesota Public Utilities Commission a petition for approval of a new base cost of energy. Xcel Energy proposes that the new base cost of energy be effective with the implementation of interim rates in its general electric rate case (Docket No. E002/GR-15-826) filed contemporaneously with this Petition. The proposed new base cost is \$0.02714 per kWh, a decrease of \$0.00066 from the current Fuel Clause Adjustment base cost of \$0.02780 per kWh.

Base Cost of Fuel Calculation - Test Year Ending December 31, 2016

Page 1 of 1

| PUBLIC DOCUMENT - TRADE SECRET DATA EXCISED | | | | | | | | | | | | | | |
|---|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | Costs in \$1,000's | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| | Own Generation | | · · | | • | | | | U | • | | | | , |
| | Fossil Fuel | [TRADE SECRI | ET BEGINS | | | | | | | | | | | |
| [1] | Coal | | | | | | | | | | | | | |
| [2] | Wood/RDF | | | | | | | | | | | | | |
| [3] | Natural Gas CC | | | | | | | | | | | | | |
| [4] | Natural Gas & Oil CT | | | | | | | | | | | | | |
| [5] | Subtotal [1]+[2]+[3]+[4] | | | | | | | | | | | | | |
| [6] | Nuclear Fuel | | | | | | | | | | | | | |
| | Purchased Energy | | | | | | | | | | | | | |
| | Wind | | | | | | | | | | | | | |
| [7] | Long Term | | | | | | | | | | | | | |
| [8] | Short Term & MISO | | | | | | | | | | | | | |
| [9] [10] | Subtotal [7]+[8]+[9] | | | | | | | | | | | | | |
| [IO] | (-) (-) (-) | | | | | | | | | | | | | |
| | MISO Day 2 Charges | | | | | | | | | | | | | SECRET ENDS |
| [11] | Schedules 16 & 17 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| [12] | Schedules 24 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| [13] | MISO Exclusion [11]+[12] | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| [14] | Total System Costs [5]+[6]+[10]+[13] | \$105,612 | \$93,758 | \$93,386 | \$86,478 | \$89,636 | \$101,022 | \$114,689 | \$111,121 | \$100,054 | \$97,147 | \$94,751 | \$101,727 | \$1,189,381 |
| [15] | Less Intersystem Sales | (10,206) | (4,278) | (3,931) | (7,607) | (6,917) | (4,256) | (2,577) | (1,749) | (4,192) | (7,245) | (5,342) | (5,265) | (\$63,565) |
| [16] | Less Windsource | (\$456) | (\$417) | (\$437) | (\$408) | (\$459) | (\$389) | (\$463) | (\$482) | (\$455) | (\$445) | (\$412) | (\$434) | (\$5,258) |
| [10] | Zess Windsource | (\$150) | (0117) | (9151) | (\$100) | (\$137) | (\$202) | (\$103) | (Ç 102) | (9155) | (\$113) | (\$112) | (\$151) | (40,200) |
| | Margin Sharing | | | | | | | | | | | | | |
| [17] | Asset Based | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| [18] | Non-Asset Based | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| [19] | Margin Sharing Refund [17]+[18] | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| [20] | Net System Fuel Costs | \$94,950 | \$89,062 | \$89,019 | \$78,463 | \$82,261 | \$96,377 | \$111,648 | \$108,890 | \$95,407 | \$89,456 | \$88,998 | \$96,027 | \$1,120,558 |
| [20] | [14]+[15]+[16]+[19] | ψ» 1,300 | ę07,00 <u>2</u> | 907,017 | 910,100 | ψ0 2,2 01 | ψ,0,011 | ψ111,0 to | ¥100,020 | \$75,107 | 402,100 | 400,220 | ₩, 0,021 | \$1,120,000 |
| | N. C. NOVII C. I | | and of the | | | | | | | | | | | |
| | Net System MWh Sales | | ystem MWh Sales) | 2 402 022 | 2444.252 | 2 200 024 | 2554005 | 400646 | 2 025 255 | 2 454 500 | 22/24/5 | 2 224 504 | 2504454 | 12.054.502 |
| [21] | Calendar Month System MWh Sales | 3,679,227 | 3,321,262 | 3,482,023 | 3,116,353 | 3,209,831 | 3,554,907 | 4,006,463 | 3,925,375 | 3,471,788 | 3,363,117 | 3,326,594 | 3,594,651 | 42,051,592 |
| [22] | Less Windsource MWh Sales | (12,254) | (11,200) | (11,866) | (10,986) | (12,256) | (11,175) | (13,405) | (14,332) | (12,870) | (12,254) | (10,963) | (12,179) | (145,740) |
| [23] | Less Solar Gardens MWh Sales Net Sys MWh Sales [21]+[22]+[23] | (4,877) 3,662,096 | (5,174) 3,304,888 | (5,626) | (6,011) | (6,437) | (6,717) | (7,132) 3,985,926 | (7,734) 3,903,309 | (7,437) 3,451,481 | (8,557) | (8,265) | (9,037) | (83,002) 41,822,850 |
| [24] | rvet bys mwn bales [21] ([22] ([23] | 3,002,090 | 3,304,666 | 3,404,331 | 3,099,337 | 3,191,139 | 3,337,013 | 3,983,920 | 3,903,309 | 3,431,461 | 3,342,303 | 3,307,307 | 3,573,434 | 41,822,830 |
| [25] | System Cost in Cents/KWh [20] / [24] x 100 | 2.59278 | 2.69486 | 2.56943 | 2.53159 | 2.57780 | 2.72481 | 2.80106 | 2.78969 | 2.76422 | 2.67648 | 2.69089 | 2.68726 | 2.67930 |
| | | | | | | | | | | | | | | |
| | Minnesota Juris. MWh Sales | 2.645.170 | 2 207 274 | 2 512 544 | 2 2/1 700 | 2 250 752 | 2 (24 220 | 2.071.714 | 2 004 994 | 2.577.484 | 2.467.072 | 2.407.604 | 2 574 624 | 20 (00 00) |
| [26] | Calendar Month MWh Sales | 2,645,179 (12,254) | 2,396,271 (11,200) | 2,512,544 | 2,261,708 | 2,358,753 (12,256) | 2,624,339 | 2,971,714 | 2,901,884 | 2,567,481 (12,870) | 2,467,872 | 2,407,606 | 2,574,634 (12,179) | 30,689,986 |
| [27] [28] | Less Windsource MWh Sales Calendar Month MWh Sales | 2,632,925 | 2,385,071 | (11,866) 2,500,678 | (10,986) 2,250,722 | 2,346,497 | (11,175) 2,613,164 | (13,405) 2,958,309 | (14,332) 2,887,552 | 2,554,612 | (12,254) 2,455,618 | (10,963) 2,396,644 | 2,562,455 | (145,740) 30,544,246 |
| . , | | | | | | | | | | | | | | |
| . , | Minnesota Solar Gardens | \$617 | \$655 | \$712 | \$760 | \$814 | \$850 | \$902 | \$978 | \$941 | \$1,083 | \$1,046 | \$1,143 | \$10,501 |
| [30] | Minnesota Fuel Cost [25] x [28] / 100 + [29] | \$68,883 | \$64,929 | \$64,965 | \$57,740 | \$61,302 | \$72,053 | \$83,766 | \$81,532 | \$71,556 | \$66,807 | \$65,537 | \$70,003 | \$829,073 |
| [31] | Proposed Base Cost of Fuel | (in Cents/k | Wh) | | | | | | | | | | | 2.7143 |

Base Cost of Energy Reconciliation

Cost of Fuel and Energy Purchases

(\$000s)

| Cost of Gas for Steam (Combined Cycle) (501) [1] | 135,830 |
|--|-----------|
| Cost of Coal (501) [1] | 277,560 |
| Cost of RDF (501) [1] | 1,069 |
| Cost of Gas - Other (547) [1] | 16,897 |
| Cost of Oil - Other (547) [1] | 684 |
| Nuclear Fuel (518) [1] [2] | 101,749 |
| Purchased Power Energy (555) [1] | 320,379 |
| Purchased Power - Wind (555) [1] | 182,283 |
| Recoverable Transmission | 0 |
| | 1,036,451 |
| NSP WI Interchange net of handling [3] | 12,552 |
| | 1,049,004 |
| Off System Sales Cost [4] | (57,476) |
| | 991,528 |
| MISO Schedule 16, 17 & 24 Costs Exclusion | 0 |
| | 991,528 |
| Less Windsource [1] | (5,258) |
| Total | 986,269 |

^[1] Volume 4 Workpaper V O2-1

- [2] Excludes fuel handling and Nuclear End of Life
- [3] Volume 4 Workpaper V O2-3 excluding fuel handling
- [4] Volume 4 Workpaper VIII A27

JUSTIFICATION OF REQUEST FOR TRADE SECRET TREATMENT

Under Minnesota Stat. § 13.37, trade secret information is defined in part as government data, including a compilation that 1) was supplied by the affected individual or organization, 2) is subject of efforts by the individual or organization that are reasonable under the circumstances to maintain its secrecy, and 3) derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use.

The detail of Xcel Energy's fuel and purchased energy costs forecast by month for calendar year 2016 provided on Attachment 1 in this filing has been marked "Trade Secret." The forecasted cost information derived from the Company's cost models contained in Attachment 1 meets the definition of trade secret under Minn. Stat. § 13.37.

This information meets the first criterion as it is submitted by Xcel Energy, which is an affected organization.

The information meets the second criterion in the statute. Xcel Energy makes extensive efforts to maintain the secrecy of this information. The information is not available outside of the Company except for the regulatory agencies under the confidentiality provisions of law.

The information meets the third criterion in the statute. Xcel Energy's projected monthly production costs by fuel and purchased energy type has economic value to Xcel Energy, its customers, suppliers, and competitors.

Because Xcel Energy purchases fuel and transportation services in a competitive marketplace, disclosure would directly harm Xcel Energy by making its delivered supply costs less competitive. The forecast of future fuel and purchased power costs include assumptions of future market prices for fuel and purchased power not yet procured under contract. This information would give future potential suppliers knowledge of Xcel Energy's forecast of fuel and purchased power prices that may not be the actual market price when procurement bids are requested. This knowledge could directly affect the prices submitted under bid or renegotiated during contract renewal.

Xcel Energy requests trade secret protection of this information to maintain its competitive position in the marketplace.

Redline

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

| FUEL CLAUSE RIDER | Section No. | 5 |
|-----------------------------|-------------|----|
| 24th 25th Revise | d Sheet No. | 91 |

FUEL CLAUSE CHARGE

There shall be added to or deducted from the monthly bill a Fuel Cost Charge calculated by multiplying the applicable monthly billing kilowatt hours (kWh) by the billed Fuel Adjustment Factor (FAF) per kWh. The billed FAF is calculated by prorating each calendar month FAF by the number of customer billing days in each calendar month, and rounding to the nearest \$0.00001 per kWh.

EXEMPTION

For customers participating in Company's Windsource® Program under the Voluntary Renewable and High-Efficiency Energy Purchase Rider, the applicable billing kWh subject to the FAF shall be reduced by the elected Voluntary Renewable Adjustment energy blocks.

In the event that a customer's metered energy use is lower than the subscribed energy blocks, the applicable billing kWh for the FAF for that month is zero.

FUEL ADJUSTMENT FACTOR (FAF)

A separate FAF will be determined for each service category defined by customer class and time-of-day (TOD) period within the Commercial and Industrial – Demand class. The FAF for each service category is the sum of the Current Period Cost of Energy multiplied by the applicable FAF Ratio, and the applicable Energy Cost True-up Factor. The FAF Ratio is the Class Cost Ratio multiplied by the corresponding TOD Ratio:

| Service Category | Class Cost Ratio | TOD Ratio | FAF Ratio |
|-------------------------|------------------|-----------|-----------|
| Residential | 1.0185 | 1.0000 | 1.0185 |
| C&I Non-Demand | 1.0493 | 1.0000 | 1.0493 |
| C&I Demand | 0.9922 | 1.0107 | 1.0028 |
| C&I Demand TOD On-Peak | 0.9922 | 1.2832 | 1.2732 |
| C&I Demand TOD Off-Peak | 0.9922 | 0.8050 | 0.7987 |
| Outdoor Lighting | 0.7446 | 1.0000 | 0.7446 |

BASE COST OF ENERGY

The System Base Cost of Energy is \$0.02780\$0.02714 per kWh. The FAF for each service category includes a Base Cost of Energy, which is the System Base Cost of Energy multiplied by the applicable FAF Ratio.

| Service Category | Base Cost of Energy |
|-------------------------|---------------------------------------|
| Residential | \$0.02831 <u>\$0.02764</u> |
| C&I Non-Demand | \$0.02917 <u>\$0.02848</u> |
| C&I Demand Non-TOD | \$0.02788 <u>\$0.02722</u> |
| C&I Demand TOD On-Peak | \$0.03539 \$0.03455 |
| C&I Demand TOD Off-Peak | \$0.02220\$0.02168 |
| Outdoor Lighting | \$0.02070\$0.02021 |

(Continued on Sheet No. 5-91.1)

Date Filed: 11-04-1311-02-15 By: Christopher B. Clark Effective Date: 11-01-15

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-13-868MR-15-827 Order Date: 08-31-15

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER Section No. 5 25th Revised Sheet No. 91

FUEL CLAUSE CHARGE

There shall be added to or deducted from the monthly bill a Fuel Cost Charge calculated by multiplying the applicable monthly billing kilowatt hours (kWh) by the billed Fuel Adjustment Factor (FAF) per kWh. The billed FAF is calculated by prorating each calendar month FAF by the number of customer billing days in each calendar month, and rounding to the nearest \$0.00001 per kWh.

EXEMPTION

For customers participating in Company's Windsource® Program under the Voluntary Renewable and High-Efficiency Energy Purchase Rider, the applicable billing kWh subject to the FAF shall be reduced by the elected Voluntary Renewable Adjustment energy blocks.

In the event that a customer's metered energy use is lower than the subscribed energy blocks, the applicable billing kWh for the FAF for that month is zero.

FUEL ADJUSTMENT FACTOR (FAF)

A separate FAF will be determined for each service category defined by customer class and time-of-day (TOD) period within the Commercial and Industrial – Demand class. The FAF for each service category is the sum of the Current Period Cost of Energy multiplied by the applicable FAF Ratio, and the applicable Energy Cost True-up Factor. The FAF Ratio is the Class Cost Ratio multiplied by the corresponding TOD Ratio:

| Service Category | Class Cost Ratio | TOD Ratio | FAF Ratio |
|-------------------------|------------------|------------------|-----------|
| Residential | 1.0185 | 1.0000 | 1.0185 |
| C&I Non-Demand | 1.0493 | 1.0000 | 1.0493 |
| C&I Demand | 0.9922 | 1.0107 | 1.0028 |
| C&I Demand TOD On-Peak | 0.9922 | 1.2832 | 1.2732 |
| C&I Demand TOD Off-Peak | 0.9922 | 0.8050 | 0.7987 |
| Outdoor Lighting | 0.7446 | 1.0000 | 0.7446 |

BASE COST OF ENERGY

The System Base Cost of Energy is \$0.02714 per kWh. The FAF for each service category includes a Base Cost of Energy, which is the System Base Cost of Energy multiplied by the applicable FAF Ratio.

| Service Category | Base Cost of Energy |
|-------------------------|---------------------|
| Residential | \$0.02764 |
| C&I Non-Demand | \$0.02848 |
| C&I Demand Non-TOD | \$0.02722 |
| C&I Demand TOD On-Peak | \$0.03455 |
| C&I Demand TOD Off-Peak | \$0.02168 |
| Outdoor Lighting | \$0.02021 |

(Continued on Sheet No. 5-91.1)

Date Filed: 11-02-15 By: Christopher B. Clark Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/MR-15-827 Order Date:

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CERTIFICATE OF SERVICE

I, SaGonna Thompson, hereby certify that I have this day served copies or summaries 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. E002/GR-13-868; XCEL ENERGY MISCELLANEOUS ELECTRIC SERVICE LIST

Dated this 2nd day of November 2015

/s/
SaGonna Thompson

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|-------------|-----------|---|---------------------------------------|--|---------------------------|-------------------|------------------------|
| Julia | Anderson | Julia.Anderson@ag.state.m n.us | Office of the Attorney General-DOC | 1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134 | Electronic Service | Yes | OFF_SL_13-868_Official |
| Christopher | Anderson | canderson@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022191 | Electronic Service | No | OFF_SL_13-868_Official |
| Alison C | Archer | alison.c.archer@xcelenerg y.com | Xcel Energy | 414 Nicollet Mall FL 5 Minneapolis, MN 55401 | Electronic Service | Yes | OFF_SL_13-868_Official |
| Ryan | Barlow | Ryan.Barlow@ag.state.mn. | Office of the Attorney General-RUD | 445 Minnesota Street Bremer Tower, Suite 1 St. Paul, Minnesota 55101 | Electronic Service 400 | Yes | OFF_SL_13-868_Official |
| James J. | Bertrand | james.bertrand@leonard.c om | Leonard Street & Deinard | 150 South Fifth Street, Suite 2300 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_13-868_Official |
| William A. | Blazar | bblazar@mnchamber.com | Minnesota Chamber Of Commerce | Suite 1500 400 Robert Street Nor St. Paul, MN 55101 | Electronic Service th | No | OFF_SL_13-868_Official |
| James | Canaday | james.canaday@ag.state. mn.us | Office of the Attorney General-RUD | Suite 1400 445 Minnesota St. St. Paul, MN 55101 | Electronic Service | Yes | OFF_SL_13-868_Official |
| Jeanne | Cochran | Jeanne.Cochran@state.mn .us | Office of Administrative Hearings | P.O. Box 64620 St. Paul, MN 55164-0620 | Electronic Service | Yes | OFF_SL_13-868_Official |
| John | Coffman | john@johncoffman.net | AARP | 871 Tuxedo Blvd. St, Louis, MO 63119-2044 | Electronic Service | No | OFF_SL_13-868_Official |
| Jeffrey A. | Daugherty | jeffrey.daugherty@centerp ointenergy.com | CenterPoint Energy | 800 LaSalle Ave Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_13-868_Official |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|--------------------------------------|---------------------------------------|--|----------------------------|-------------------|------------------------|
| James | Denniston | james.r.denniston@xcelen ergy.com | Xcel Energy Services, Inc. | 414 Nicollet Mall, Fifth Floor Minneapolis, MN | Electronic Service | Yes | OFF_SL_13-868_Official |
| lan | Dobson | ian.dobson@ag.state.mn.u s | Office of the Attorney General-RUD | 55401 Antitrust and Utilities Division 445 Minnesota Street, BRM Tower St. Paul, MN 55101 | Electronic Service 1400 | Yes | OFF_SL_13-868_Official |
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| Sharon | Ferguson | sharon.ferguson@state.mn .us | Department of Commerce | 85 7th Place E Ste 500 Saint Paul, MN 551012198 | Electronic Service | Yes | OFF_SL_13-868_Official |
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| Benjamin | Gerber | bgerber@mnchamber.com | Minnesota Chamber of Commerce | 400 Robert Street North Suite 1500 St. Paul, Minnesota 55101 | Electronic Service | Yes | OFF_SL_13-868_Official |
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| Richard | Johnson | Rick.Johnson@lawmoss.co m | Moss & Barnett | 150 S. 5th Street Suite 1200 Minneapolis, MN 55402 | Electronic Service | Yes | OFF_SL_13-868_Official |
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| Richard | Savelkoul | rsavelkoul@martinsquires.com | Martin & Squires, P.A. | 332 Minnesota Street Ste W2750 St. Paul, MN 55101 | Electronic Service | Yes | OFF_SL_13-868_Official |

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| Ken | Smith | ken.smith@districtenergy.c om | District Energy St. Paul Inc. | 76 W Kellogg Blvd St. Paul, MN 55102 | Electronic Service | No | OFF_SL_13-868_Official |
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| 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_13-868_Official |

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| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
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| Christopher | Anderson | canderson@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022191 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Julia | Anderson | Julia.Anderson@ag.state.m n.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-Elec_Xcel Miscl Electric |
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| lan | Dobson | ian.dobson@ag.state.mn.u s | 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-Elec_Xcel Miscl Electric |
| Emma | Fazio | emma.fazio@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| 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-Elec_Xcel Miscl Electric |
| Michael | Норре | 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-Elec_Xcel Miscl Electric |
| Alan | Jenkins | aj@jenkinsatlaw.com | Jenkins at Law | 2265 Roswell Road Suite 100 Marietta, GA 30062 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Richard | Johnson | Rick.Johnson@lawmoss.co m | Moss & Barnett | 150 S. 5th Street Suite 1200 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |

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| Mark J. | Kaufman | mkaufman@ibewlocal949.o | IBEW Local Union 949 | 12908 Nicollet Avenue South Burnsville, MN 55337 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
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| Michael | Krikava | mkrikava@briggs.com | Briggs And Morgan, P.A. | 2200 IDS Center 80 S 8th St Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Douglas | Larson | dlarson@dakotaelectric.co m | Dakota Electric Association | 4300 220th St W Farmington, MN 55024 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| John | Lindell | agorud.ecf@ag.state.mn.us | Office of the Attorney General-RUD | 1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Pam | Marshall | pam@energycents.org | Energy CENTS Coalition | 823 7th St E St. Paul, MN 55106 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Andrew | Moratzka | apmoratzka@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| David W. | Niles | david.niles@avantenergy.c om | Minnesota Municipal Power Agency | Suite 300 200 South Sixth Stree Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Richard | Savelkoul | rsavelkoul@martinsquires.com | Martin & Squires, P.A. | 332 Minnesota Street Ste W2750 St. Paul, MN 55101 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Ken | Smith | ken.smith@districtenergy.c om | District Energy St. Paul Inc. | 76 W Kellogg Blvd St. Paul, MN 55102 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |

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| Ron | Spangler, Jr. | rlspangler@otpco.com | Otter Tail Power Company | 215 So. Cascade St. PO Box 496 Fergus Falls, MN 565380496 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Byron E. | Starns | byron.starns@leonard.com | Leonard Street and Deinard | 150 South 5th Street Suite 2300 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| James M. | Strommen | jstrommen@kennedy- graven.com | Kennedy & Graven, Chartered | 470 U.S. Bank Plaza 200 South Sixth Stree Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Eric | Swanson | eswanson@winthrop.com | Winthrop Weinstine | 225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| SaGonna | Thompson | Regulatory.records@xcele nergy.com | Xcel Energy | 414 Nicollet Mall FL 7 Minneapolis, MN 554011993 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| 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 | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Daniel P | Wolf | dan.wolf@state.mn.us | Public Utilities Commission | 121 7th Place East Suite 350 St. Paul, MN 551012147 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |