



414 Nicollet Mall
Minneapolis, MN 55401

November 1, 2019

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

—Via Electronic Filing—

Re: APPLICATION
AUTHORITY TO INCREASE ELECTRIC RATES
NORTHERN STATES POWER COMPANY
DOCKET NO. E002/GR-19-564 & E002/GR-19-658

Dear Mr. Wolf:

Enclosed is the Application for a Proposed Increase in Electric Rates (Application) of Northern States Power Company, doing business as Xcel Energy. This Application is being filed with the Minnesota Public Utilities Commission (Commission) pursuant to Minn. Stat. § 216B.16, subs. 1 and 19.

Xcel Energy seeks authority to increase electric rates, through a three-year multi-year rate plan (MYRP Plan), to reflect the cost of providing service to our customers, including an appropriate return on common equity. We believe our MYRP Plan, modeled after and incorporating the lessons learned from our current MYRP, can again provide significant benefits to our customers and other stakeholders while ensuring that our rates remain just and reasonable.

The MYRP Plan we propose allows us the opportunity to continue working with our customers, regulators and other stakeholders to move us further toward our goal of providing carbon-free energy to our customers, while improving the customer experience and continuing to provide safe, reliable and affordable energy service. By continuing our investment in our distribution and transmission systems we will promote continued reliability. By making investments in our nuclear plants and renewable resources, we continue to deliver carbon-free generation, consistent with the expectations of our customers and policy makers. And by investing in our advanced grid initiative, we improve our ability to respond to customer

expectations and provide the platform for increased reliability, efficiency and integration of renewable and distributed energy resources.

With our MYRP Plan, we are requesting a net increase in gross revenues of \$201.4 million (6.5 percent) in 2020, an incremental \$146.4 million (4.8 percent) in 2021, and an incremental \$118.3 million (3.9 percent) in 2022, based on 2020 present revenues. The MYRP Plan reflects a first year revenue requirement calculated based on a traditional test year (2020), and revenue requirements for the proposed plans years (2021 and 2022) also reflecting a cost of service approach, as described in our Application. In addition, given the success of our current four-year MYRP, we also provide forecast and cost of service information for 2023 and 2024, so that the Commission and parties have the benefit of this information in evaluating the reasonableness of a new MYRP for the Company and should parties choose to explore another four year MYRP.

We are also requesting that the Commission suspend our proposed rates, and authorize the recovery of interim rates effective January 1, 2020, as set forth in our Notice and Petition for Interim Rates (Petition). Our request is for a 2020 interim revenue increase equal to \$121.95 million, or 4.06 percent, based on present revenues. We also request an incremental 2021 interim revenue increase equal to \$143.98 million, or an incremental 4.88 percent, based on present revenues. The interim revenue request for 2020 will be uniformly billed as a 5.65 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders) and for 2021 will be uniformly billed as an incremental 6.85 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders). The difference between the base rate and the overall bill percentage increases results primarily from the exclusion of fuel and purchased energy costs.

We also propose some changes to the terms and conditions of our Electric Rate Book, in Volume 2F, under which we provide service to our customers. Our rate design proposals include a new general time-of-use rate for our commercial and industrial customers.

Typically final rates would become effective within 10 months of the date of the Application, unless the review period is extended by the Commission. We recognize, however, that the statutory triggers for extension provided by Minn. Stat. § 216B.16 subs. 2 and 19 will apply to the schedule of our case.

A. Contents of Filing

Our Application for Proposed Increase in Electric Rates is presented in the following volumes:

| | |
|--------------------------------|---|
| Volume 1 (Application/Interim) | Petition, Notice of Change in Rates, Interim Rate Petition |
| Volumes 2A to 2F | Testimony and Schedules, Completeness Matrix, Tariff Sheets |
| Volume 3 | Required Information |
| Volume 4 | MYRP Workpapers |
| Volume 5 | Budget Summary and Documentation |
| Volumes 6 | Budget Documentation |

In addition to the documents listed above, included in Volume 1 is a proposed Notice to be provided to each municipality and county in Xcel Energy's electric service territory named on the attached mailing list. Also included in Volume 1 is the Notice and Petition for Interim Rates (Interim Rate Petition) that describes the interim rate schedules for each customer class and contains proposed customer notices, if the Commission elects to suspend the requested final rate increase. Once the notices are approved and the interim rate increase determined by the Commission, these notices will be provided to the municipalities, counties and customers.

B. Request for Protection of Non-Public Information

The Company recognizes and supports the need for transparency in review of our Application. Non-Public data included in this filing is limited to certain portions of the Testimony, schedules and workpapers. Highly confidential information is being provided in Docket No. E002/M-19-658. Attachment A to the Notice of Change in Rates identifies the specific models, reports, expenses, and sales and pricing data identified as Non-Public data in the filing that we believe qualify as trade secret data pursuant to Minn. Stat. § 13.37, subd. 1(b). These models, reports, and expense, sales and pricing data have important economic value to the Company as a result of their not being public, and the Company takes efforts to

Mr. Wolf
November 1, 2019
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prevent their public disclosure. The Company has identified the Trade Secret and other Non-Public information pursuant to Minn. Rule 7829.0500.

C. Service and Summary of Filing

A copy of the Application has been served on the Minnesota Department of Commerce, Division of Energy Resources, and the Office of Attorney General - Antitrust and Utilities Division. The Summary of Filing is being served on all intervenors to the Company's most recent electric rate case (Docket No. E002/GR-15-826) and all persons on the Company's electric general service list, as shown on the attached Certificate of Service.

Xcel Energy will fully cooperate with the Commission, the state agencies and stakeholders as they review the Application, including the Interim Rate Petition. Please feel free to direct any questions regarding the Application to Greg Chamberlain at (612) 337-2158.

Sincerely,



GREG P. CHAMBERLAIN
REGIONAL V.P., REGULATORY AND GOVERNMENT AFFAIRS
NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION

Enclosures
cc: Service List

NOTICE OF CHANGE IN RATES
INTERIM RATE PETITION
Volume 1

1. Filing Letter
2. Notice of Change in Rates
3. Notice and Petition for Interim Rates
4. Agreement and Undertaking
5. Interim Rate Supporting Schedules and Workpapers
6. Interim Tariff Sheets
 - a. 2020 Interim Tariff Sheets - Redlined
 - b. 2020 Interim Tariff Sheets - Clean
 - c. 2021 Interim Tariff Sheets - Redlined
 - d. 2021 Interim Tariff Sheets - Clean

TESTIMONY AND SUPPORTING SCHEDULES
Volume 2A

1. Policy and Multi-Year Rate Plan
2. Multi-Year Rate Plan
3. Performance Based Ratemaking
4. Revenue Requirements
5. Capital Structure
6. ROE
7. Budgeting
8. Sales Forecast

TESTIMONY AND SUPPORTING SCHEDULES
Volume 2B

1. AGIS Customer Experience and Policy
2. Business Systems
3. Distribution
4. Advanced Grid Cost Benefit Analysis
5. Customer Care / Bad Debt

TESTIMONY AND SUPPORTING SCHEDULES
Volume 2C

1. Nuclear Operations
2. Transmission
3. Energy Supply

TESTIMONY AND SUPPORTING SCHEDULES
Volume 2D

1. Cost Allocations
2. Property Tax
3. Insurance
4. Pension (Schrubbe)
5. Pension Investments (Inglis)
6. Employee Compensation and Benefits
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TESTIMONY AND SUPPORTING SCHEDULES
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3. TOU Rate Design / Decoupling (Huber)
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3. 2021 Proposed Redlined
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 - B. Detailed Rate Base Components
 - C. Rate Base Adjustments
 - D. Rate Base Assumptions and Approaches
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 - 4. Operating Income Schedules (Rule 7825.4100)
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 - B. Total Utility and Jurisdictional Operating Income statements
 - C. Income Tax Computation
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 - 5. Rate of Return Cost of Capital Schedules (Rule 7825.4200)
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- B. 2020, 2021, and 2022 Operating Revenue Detailed Comparison
- C. Test Year 2020, 2021, and 2022 Class Cost of Service Study

7. Other Supplemental Information

- A. Annual Report
- B. Gross Revenue Conversion Factor

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- 2. Minn. Stat. §216B.16 subd. 17: Travel, Entertainment & Related Employee Expenses
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- 5. GAAP/FERC/COSS Comparison (Docket No. E002/GR-12-961 IR DOC-128)

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- General Counsel

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NSPM Company Year-end Capital Expense Actual vs. Budget Variance Explanations

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

| | |
|-----------------|--------------|
| Katie J. Sieben | Chair |
| Dan Lipschultz | Vice-Chair |
| Valerie Means | Commissioner |
| Matt Schuerger | Commissioner |
| John A. Tuma | Commissioner |

IN THE MATTER OF THE APPLICATION
OF NORTHERN STATES POWER
COMPANY FOR AUTHORITY TO
INCREASE RATES FOR ELECTRIC
SERVICE IN THE STATE OF MINNESOTA

DOCKET NO. E002/GR-19-564

NOTICE OF CHANGE IN RATES

A. Introduction

Northern States Power Company, doing business as Xcel Energy, seeks authority from the Minnesota Public Utilities Commission to increase retail electric rates in Minnesota pursuant to Minn. Stat. § 216B.16 and Minn. R. Parts 7825.3100-7825.4600 and 7829.2400 (Application). The Company also seeks authority to change some terms and conditions of electric service.

The Company requests a three year multi-year rate plan (MYRP), implemented pursuant to Minn. Stat. §216B.16, subds. 1 and 19. The proposed three year MYRP is modeled after the Company's 2016-2019 MYRP, approved in its most recent rate case. The three year MYRP uses a 2020 test year and then offers predictable and affordable rates for our customers in the 2021 and 2022 plan years, based on the Company's full cost of service. The Company has also provided its forecast and cost of service for 2023 and 2024, to provide the Commission a five year view of its current forecasts, so that the Commission and parties have the benefit of this information in evaluating the reasonableness of a new MYRP for the Company and should parties choose to explore another four year MYRP.

The MYRP Plan we propose allows us the opportunity to continue working with our customers, regulators and other stakeholders to move us further toward our goal of providing carbon-free energy to our customers, while improving the customer experience and continuing to provide safe, reliable and affordable energy service. By continuing our investment in our distribution and transmission systems we will promote continued reliability. By making investments in our nuclear plants

and renewable resources, we continue to deliver carbon-free generation, consistent with the expectations of our customers and policy makers. And by investing in our advanced grid initiative, we improve our ability to respond to customer expectations and provide the platform for increased reliability, efficiency and integration of renewable and distributed energy resources. In addition, this request reflects the fact that, consistent with state energy policy, the Company continues to see decreases in energy sales due to energy efficiency gains and other factors. Overall, the MPRP enables the Company to continue making the necessary investments in its system and, by providing another extended rate compact, affords all stakeholders the ability to work together to accomplish important policy objectives and address emerging issues during these years.

This Application includes the following information in accordance with Minnesota Statutes and the Commission's rules:

B. Notice and Proposal Regarding General Rate Change.
(Minn. R. 7825.3200(A)(1) and 7825.3500)

1. Name, address, and telephone number of utility.

Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401
(612) 330-5500

2. Name, address, and telephone number of attorneys for the utility.

Ryan J. Long
Lead Assistant General Counsel
Xcel Energy Services Inc.
414 Nicollet Mall
Minneapolis, MN 55401
(612) 215-4659

Eric F. Swanson
Winthrop & Weinstine, P.A.
Suite 3500
225 South Sixth Street
Minneapolis, MN 55402
(612) 604-6511

3. Date of filing and date modified rates are to be effective.

The date of this filing is November 1, 2019. Pursuant to §216B.16, subd. 1, Xcel Energy requests a final increase in electric gross revenues of \$201.4 million (6.5 percent) effective January 1, 2020, sixty (60) days after filing, without suspension; an incremental increase of \$146.4 million (4.8 percent) effective January 1, 2021, without suspension; and an incremental increase of \$118.3 million (or 3.9 percent) effective January 1, 2022, based on 2020 present revenues.

If the Commission elects to suspend the proposed rate increase under Minn. Stat. §216B.16, subd. 2, the Company requests, pursuant to Minn. Stat. § 216B.16, subsd. 3 and 19, that an interim rate increase of \$121.95 million, or an approximately 4.06 percent overall bill increase, be effective on January 1, 2020, as discussed in the Company's Notice and Petition for Interim Rates (Petition), included in this Application. The interim revenue request will be uniformly billed as a 5.65 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders). The difference between the base rate and the overall bill percentage increases results primarily from the exclusion of fuel and purchased energy costs.

As discussed in the Petition, the Company also requests, pursuant to Minn. Stat. § 216B.16, subsd. 3 and 19, that an incremental interim rate increase of \$143.98 million, or an approximate 4.88 percent incremental bill increase (so totaling approximately 8.9 percent over present revenues), be effective on January 1, 2021. The 2021 interim revenue request will also be uniformly billed as an incremental 6.85 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders).

Typically final rates would become effective within 10 months of the date of the Application, unless the review period is extended by the Commission. We recognize, however, that the statutory triggers for extension provided by Minn. Stat. § 216B.16 subsd. 2 and 19 will apply to the schedule of this case.

4. Description and purpose of the change in rates requested.

The Application for a change in rates applies to all of Xcel Energy's retail electric customers in the State of Minnesota, and the proposed rates are designed to produce revenues sufficient to meet the Company's cost of service for the test year ending December 31, 2020. As part of its proposed three year MYRP, the Company also requests to increase rates effective January 1, 2021 and effective

January 1, 2022, to produce revenues sufficient to meet the Company's cost of service for those years.

5. Effect of the change in rates.

The effect of the proposed electric rate increase, exclusive of revenues related to franchise fees, gross earnings taxes, and certain riders will be an increase in gross revenues for the 2020 test year of \$201.4 million, or an approximate increase of about 6.5 percent above the present test year gross revenues; an additional \$146.4 million or 4.8 percent, based on 2020 present revenues, effective January 1, 2021; and an additional \$118.3 million or 3.9 percent, based on 2020 present revenues, effective January 1, 2022. For the three years, the Company requests an increase of present revenues of \$466.1 million, or 15.1 percent.

Our request is based on our proposed three-year MYRP, consisting of a 2020 test year and 2021 and 2022 plan years. We have worked to fairly reflect the impact of our requested relief on base rates in a clear manner when developing the proposed notices of our Application. We have represented the impact of our requested relief on base rates consistent with the manner in which we did for our 2015 electric rate case request, which also included a multi-year rate increase request.

At the time the Company implements Final Rates, we propose that two projects currently recovered in the Transmission Cost Recovery Rider ("TCR Rider") and four projects currently recovered in the Renewable Energy Standard Rider ("RES Rider") be moved from rider recovery to base rate recovery. Assuming the Company's request is approved, we will reset the TCR and RES Riders, by removing the specified projects from the respective riders simultaneously with the implementation of final rates. As such, this transfer will not result in an increase or decrease to customers' total bills.

We propose some changes to the terms and conditions of our Electric Rate Book, Volume 2F, under which we provide service to our customers..¹

As was done in our last four electric rate cases, we propose to apply the interim surcharges to base rates, and the amount included in our base rates does not include fuel costs. For clarity, we have provided 2020 and 2021 interim tariffs, Section 5, 13th Revised Sheet No. 94, which lists the rate elements to which the Interim Rate Surcharges would apply and those rate riders to which the Interim Rate Surcharges

¹ See Volume 2E, Direct Testimonies of Michael A. Peppin and Steven V. Huso.

would not apply. The Proposed Final Rates were calculated using the Company's 2020 proposed test year deficiency, the 2021 and 2022 plan year deficiencies, and our proposed final rate design.

We believe the approach described above fairly represents the proposed rates and bill increases for customers. To the extent the Commission wishes to make alternative assumptions regarding the treatment of rate riders, we would adjust our proposed notices accordingly.

6. Signature and title of utility officer authorizing the proposal.

The Application is signed on behalf of Xcel Energy by Christopher B. Clark, President of Northern States Power Company, a Minnesota Corporation.

**C. Modified rates.
(Minn. R. 7825.3200(A)(2) and 7825.3600)**

Attached to this Application are rate schedules containing the proposed final rates and tariffs. These proposed final schedules and tariffs are supported by the pre-filed Direct Testimony of Mr. Steven V. Huso, in Volume 2E. Redlined and Non-Redlined versions of the tariffs accompany this Application in Volume 2F.

**D. Expert opinions and supporting documents.
(Minn. R. 7825.3200(A)(3) and 7825.3700)**

Attached to this Application are statements of fact, expert opinions, substantiating documents and exhibits supporting the change in retail electric rates. Pursuant to Minn. R. 7825.3700, Greg Chamberlain provides Direct Testimony as the Company's designated official in support of the Application. A list of the Company's other witnesses is provided in Mr. Chamberlain's Direct Testimony.

**E. Information requirements.
(Minn. R. 7825.3200(A)(4) and 7825.3800-7825.4400)**

Attached to this Application are: Volumes 2A to 2F, the Direct Testimonies and Schedules of the Company's witnesses; (including Redlined and Non-Redlined version of the tariffs); Volume 3, Required Information; Volumes 4 MYRP Workpapers; and Volumes 5 and 6, Budget Summary and Documentation. Together, these volumes represent the Company's supporting documentation and contain the information in support of a general rate increase required by Minn. R. 7825.3800 through Minn. R. 7825.4400.

The data for the most recent fiscal year is 2018. The projected fiscal year is 2019. The proposed test year is the calendar year ending December 31, 2020 (Test Year), and the Application also addresses proposed rates for the years ending December 31, 2021 and 2022 (“Plan Years”).

We have provided the information required by Minn. Stat. §216B.16, subd. 17 in Volume 3 of our Application. Certain summary information is included within Volume 3 with detailed information provided in electronic form on compact disk.

F. Methods and procedures for refunding.
(Minn. R. 7825.3200(A)(5) and 7825.3300)

Included with this Application is an Agreement and Undertaking signed and verified by Christopher B. Clark, President Northern States Power Company, a Minnesota corporation.

G. Notice to municipalities and counties.
(Minn. Stat. § 216B.16, subd. 1)

Pursuant to Minn. Stat. § 216B.16, subd. 1, Xcel Energy proposes to mail the enclosed Notice to all municipalities and counties in our Minnesota electric service territory. This notice includes a discussion of the proposed interim rates, as well as information regarding the general electric rate case filing. The representation of present, interim, and proposed rates on this Notice reflects the approach described in our response to Part B. 5, above. The Company requests Commission approval of the Notice, so that it may be mailed in a timely fashion.

H. Customer notice.
(Minn. R. 7829.2400, subpt. 3)

We will notify customers, through a bill insert, of our Application to increase retail electric rates. If the Company’s retail electric rate increase is suspended, the same bill notice will also explain the impact of Xcel Energy’s interim rates on customer bills.

Included in this Application is an example of our proposed notice of this rate increase, assuming that the rate increase has been suspended. Similar to the notice approved by the Commission in our 2016 test year electric rate case (Docket No. E002/GR-15-826), the notice is organized in a question-and-answer format and includes an explanation of the interim rates and the general rate increase proposals.

The Company requests approval of the customer notice so it can be included prior to or with the first bills issued with interim rates. Finally, the Company will make this Application, Testimony, and Supporting Documentation easily available to customers by posting it on the Xcel Energy website www.xcelenergy.com/rates (make sure “Minnesota” is selected in top right-hand corner), select “**Filings**” and then “**Minnesota 2020 Electric Rate Case.**”

I. Filings requiring determination of gross revenue requirement.
(Minn. R. 7829.2400)

Pursuant to Minn. R. 7829.2400, we submit the following information in addition to that required by Minn. R. 7825.3100-7825.4600.

1. Summary.

A summary of the Application is attached to this notice.

2. Service; proof of service.

The Company will serve copies of the Application on the Department of Commerce, Division of Energy Resources and the Office of the Attorney General – Antitrust and Utilities Division. We will serve a copy of the Summary on the other parties on the general service list for Xcel Energy electric filings, and on the service list in the Company’s last retail electric rate case proceeding, Docket No. E002/GR-15-826. The service lists for these proceedings and a certificate of service are attached.

3. Notice to public and governing bodies.

See Section G. and H., above. In addition, Xcel Energy will publish a notice of the proposed change in newspapers of general circulation in all county seats in the Company’s Minnesota electric service territory. We propose using the content from the Notice to Counties and Municipalities located in Volume 1 for the content of the published notice.

4. Notice of hearing.

We will notify customers of hearings held in connection with this Application as directed by the Commission. Xcel Energy will also publish notice of the hearings in newspapers of general circulation in all county seats in the Company’s Minnesota electric service area, as directed by the Commission.

J. Request for Protection of Non-Public Information

The Company recognizes and supports the need for transparency in the review of our Application. Non-Public data included in this filing is limited to certain portions of the Testimony, schedules and workpapers. Highly confidential information is being provided in Docket No. E002/M-19-658. There is somewhat more Non-Public data provided with this filing compared to a single test year case, given the greater level of detail accompanying our initial filing and the greater time period involved. Attachment A to the Notice of Changes in Rates identifies the specific models, reports, expenses, and sales and pricing data identified as Non-Public data in the filing that we believe qualify as trade secret data pursuant to Minn. Stat. § 13.37, subd. 1(b). These models, reports, and expense, sales and pricing data have important economic value to the Company as a result of their not being public, and the Company takes efforts to prevent their public disclosure. The Company has identified the Trade Secret and other Non-Public information pursuant to Minn. Rule 7829.0500.

The Company is electronically submitting complete Public and Non-Public versions of those portions of our filing that contain Trade Secret or other Non-Public information.

K. Service list.

Pursuant to Minn. R. 7829.0700, the Company requests the following persons be placed on the Commission's official service list for this proceeding:

Amanda Rome
Xcel Energy Services Inc.
414 Nicollet Mall (401- 8th Floor)
Minneapolis, MN 55401
amanda.rome@xcelenergy.com

Ryan Long
Xcel Energy Services Inc.
414 Nicollet Mall (401-8th Floor)
Minneapolis, MN 55401
ryan.j.long@xcelenergy.com

Eric Swanson
Winthrop & Weinstine, P.A.
Suite 3500
225 South Sixth Street
Minneapolis, MN 55402

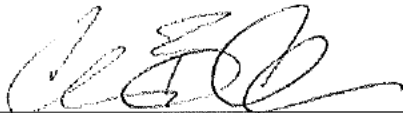
Lynnette Sweet
Regulatory Records
Xcel Energy
414 Nicollet Mall (401-7th Floor)
Minneapolis, MN 55401
regulatory.records@xcelenergy.com

L. Conclusion

The Company respectfully requests consideration and acceptance of its Application.

Dated: November 1st, 2019

Respectfully submitted,

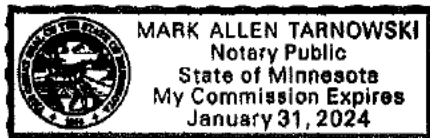


CHRISTOPHER B. CLARK
PRESIDENT, NORTHERN STATES POWER COMPANY MINNESOTA

Subscribed and sworn to before
me this 28th day of October, 2019



Notary Public



NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

A select amount of information and data in the Application has been marked as **HIGHLY CONFIDENTIAL**. The documents including Highly Confidential information are being submitted contemporaneously in Docket No. E002/M-19-658. The **PUBLIC** and versions of documents with the Highly Confidential information redacted is being submitted in this filing – E002/GR-19-564.

The attached index provides justifications for the Highly Confidential information.

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
|---|--|
| Projected Costs, Vendor Proprietary Information, and/or Contractually Negotiated Details | |
| Bloch Schedule 10 AMI Meter Vendor Selection | Schedule 10 is an internal presentation given to provide a summary of the Company's analysis supporting the AMI meter vendor selection. Xcel Energy maintains this information as a trade secret pursuant to Minn. Stat. §13.37(1)(b) based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. |
| Capra Schedule 7 Testimony Figures 10, 11 and 12 Chemical Costs | Schedule 7 provides the quantity and prices historically paid for our main chemicals, the amounts and prices used to calculate our 2020 to 2022 budgets. Figures 10, 11 and 12 illustrate favorable chemical contract pricing obtained relative to established markets. The Company considers the pricing data as confidential trade secret information as defined by Minn. Stat. §13.37(1)(b). The information derives an independent economic value from not being generally known or readily ascertainable by others who could obtain a financial advantage from its use, and knowledge of such information could also adversely impact future contract negotiations, potentially increasing costs for these materials for our customers. |
| Capra Schedule 10 Plant Outages – Changes in Energy costs | Schedule 10 provides 1) plant outages for 2016 to 2018, and 2019 through July and the duration of the outage periods; 2) the reason the plant was in an outage; and 3) the plan to alleviate the reoccurrence of similar outages. Schedule 10 includes data regarding changes in energy costs for plant outages and has been marked trade secret as defined by Minn. Stat. §13.37(1)(b). The information derives an independent economic value from not being generally known or readily ascertainable by others who could obtain a financial advantage from its use, and knowledge of such information could also adversely impact future contract negotiations, potentially increasing energy costs for our customers. |
| Harkness Schedule 7 CRM Platform RFP Results | Schedule 7 is an internal assessment summary that the Company has designated as Trade Secret information in its entirety as defined by Minn. Stat. § 13.37, subd. 1(b). The analysis and information contained therein has not been publicly released. This Schedule contains information |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
|---|---|
| | <p>regarding bidder responses to requests for proposal (RFPs) issued by the Company, including sensitive pricing and other bid data; the Company's proprietary analysis of selected bids; market intelligence; and potential comparative bidder cost and negotiation planning information. Because this overall analysis derives independent economic value 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, Xcel Energy maintains this information as a trade secret pursuant to Minn. Rule 7829.0500, subp 3.</p> |
| <p>Harkness Schedules 11 and 12 AMI and FAN RFP Results</p> | <p>Schedules 11 and 12 are internal assessment summaries that the Company has designated as Trade Secret information in their entirety as defined by Minn. Stat. § 13.37, subd. 1(b). The analysis and information contained therein has not been publicly released. These summaries were prepared in conjunction with the Company's review of hardware and software needs for its Advanced Metering Infrastructure (AMI) and Field Area Network (FAN) projects, respectively. These Schedules contain information regarding bidder responses to requests for proposal (RFPs) issued by the Company, including sensitive pricing and other bid data; the Company's proprietary analysis of selected bids; market intelligence; and potential comparative bidder cost and negotiation planning information. Because these overall analyses derive independent economic value 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, Xcel Energy maintains this information as a trade secret pursuant to Minn. Rule 7829.0500, subp 3.</p> |
| <p>O'Connor Testimony, Various Schedules 7 and 8 Security Contractor Costs Outage Costs and Timeframes</p> | <p>Security contractor costs, outage cost and scheduling information includes information the Company considers to be trade secret data as defined by Minn. Stat. §13.37(1)(b). This data includes confidential contract terms and budget detail. This information has independent economic value from not being generally known to, and not being readily ascertainable by, other parties who could obtain economic value from its disclosure or use. The disclosure of this information could adversely impact contract negotiations, potentially increasing costs for these services for our customers. Thus, the Company maintains this information as a trade secret.</p> |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
|---|---|
| <p>Halama Schedule 15 Capacity Cost Study</p> | <p>The Company seeks to treat the cost it pays for capacity as trade secret pursuant to Minn. Stat. § 13.37(1)(b). The Company acquires capacity at market-determined rates, this information has important economic value to the Company as a result of this information not being public, and the Company takes efforts to prevent their public disclosure.</p> |
| <p>HIGHLY CONFIDENTIAL INFO Submitted in Docket E002/M-19-658</p> <p>Peppin, Table2 Cost Responsibilities for Rate Discounts</p> <p>Peppin Schedules 3 to 8 CCOSS Detailed and Summary Results for 2020, 2021 and 2022</p> <p>Volume 3 – Required Information Tab II.6.B TY Operating Revenue Detailed Comparison, 2020, 2021 and 2022</p> <p>Volume 3 – Required Information Tab II.6.C 2020, 2021, 2022 Class Cost of Service Study Detailed Results</p> <p>Live Workpaper CD: EDforecast CCOSS Models 2020, 2021 and 2022</p> | <p>The Direct Testimony of Michael A Peppin, along with Operating Revenue and CCOSS information provided in Vol 3 and as live work papers includes economic development details. This information is competitively sensitive trade secret information. Xcel Energy and Google have taken reasonable precautions to maintain its confidentiality, and given the highly confidential and sensitive nature of this information therefore Xcel Energy and Google consider the info to be trade secret as defined by Minn Stat. § 13.37, subd. 1(b).</p> <p>This information is competitively sensitive trade secret information. Xcel Energy and Google have taken reasonable precautions to maintain its confidentiality, and given the highly confidential and sensitive nature of this information, access must be strictly limited.</p> |
| <p>HIGHLY CONFIDENTIAL INFO Submitted in Docket E002/M-19-658</p> <p>Peppin Schedule 15 Google Data Center Incremental Cost Analysis</p> | <p>Schedule 15 contains load growth projection information for the Becker data center which derives independent economic value, actual or potential, from not being generally known to, and not readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use. These load growth projections, therefore, constitute information Xcel Energy and Google consider to be trade secret, as defined by Minn. Stat. § 13.37, subd. 1(b).</p> <p>This information is competitively sensitive trade secret</p> |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
|---|---|
| | information. Xcel Energy and Google have taken reasonable precautions to maintain its confidentiality, and given the highly confidential and sensitive nature of this information, access must be strictly limited. |
| Wholesale Customer Information | |
| Halama Schedule 14 Wholesale Customer Study | The wholesale customer study contains information the Company considers to be trade secret pursuant to Minn. Stat. §13.37(1)(b). More specifically, the trade secret information is a listing of the specific wholesale customers who contract for services with the Company and the specific services each customer takes. This information qualifies as trade secret information both because it is customer-specific information and because these are competitive services. Therefore, this information has important economic value to the Company as a result of this information not being public, and the Company takes efforts to prevent their public disclosure. |
| Company Information | |
| Marks Schedules 8 and 12 Sales Forecast Adjustments for New Load Additions and Reductions Customer and Sales Forecast by Rate Schedule | Schedules 8 and 12 include sales data the Company considers to be Trade Secret information protected by the Minnesota Data Practices Act. That information has economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons and is subject to efforts by the Company to protect the information from public disclosure. Xcel Energy maintains this information as a trade secret based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. For this reason, we ask that the data be treated as non-public data pursuant to Minn. Stat. § 13.37, subd. 1(b). |
| Lowenthal Schedules 3 and 5 Compensation and Benefits Studies | Schedules 3 and 5 are compensation and benefits studies, prepared by an external consultant, which the Company has designated as Trade Secret information in its entirety as defined by Minn. Stat. § 13.37, subd. 1(b). The information contained in these Schedules is not the work product of Xcel Energy, and we are only able to allow its release under the condition that it be protected as trade secret and not be publicly released. Because this information derives independent economic value from not being generally known |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
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| | to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use, Xcel Energy maintains this information as a trade secret pursuant to Minn. Rule 7829.0500, subp 3. |
| Lowenthal Schedule 2 Incentive Plan Details | Schedule 2 contains incentive plan details used to create comprehensive benefits packages for employees, which the Company has designated as Trade Secret information as defined by Minn. Stat. § 13.37, subd. 1(b). Certain information contained in this Schedule has not been publicly released because it could put the Company at a disadvantage in the marketplace when competing for employees. Because it derives independent economic value 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, Xcel Energy maintains this information as a trade secret pursuant to Minn. Rule 7829.0500, subp 3. |
| Personal Information | |
| O'Hara Schedule 10 Labor Costs for Lobbying Employees HIGHLY CONFIDENTIAL INFO Submitted in Docket E002/M-19-658 | Schedule 10 contains salary information marked as Highly Confidential. This information is highly sensitive. We believe we have a duty to our employees to protect their private information; by making their compensation public anyone performing an internet search would have access to this very private information. Lastly, access to this information has not been restricted in any way to our regulatory agencies who work to represent the public interest. Highly Confidential Trade Secret Data. The salary information of individuals is designated as Trade Secret information as defined by Minn. Stat. § 13.37, subd. 1(b), in that this information has not been publicly released. It also derives independent economic value 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. |
| Cost Responsibilities for Rate Discounts | |
| Peppin Testimony, pg 9 Cost Responsibilities for Rate Discounts | Please note that certain portions of the testimony contain non-public trade secret information pursuant to Minnesota Statutes section 13.37. The relevant pages containing non- |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
|------------------------|---|
| | <p>public trade secret information are marked as such in accordance with Minnesota Rule 7829.0500. The non-public trade secret information includes sensitive financial information, including, pricing data, that Xcel Energy maintains as confidential information. If publicly released, this information would have economic value to Xcel Energy's competitors and suppliers, to the detriment of Xcel Energy and its customers. Therefore, Xcel Energy requests that such non-public trade secret information not be disclosed to any other party without prior notification to and the written consent of Xcel Energy.</p> |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
|--|--|
| Work Product | |
| Live Models and Workpapers Revenue Model (CD) E8760 Allocator Data (CD) | <p>The Revenue Models represent Company work product. Xcel Energy maintains this information as a trade secret pursuant to Minn. Stat. §13.37 (1)(b) based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.</p> <p>Parts of the workpapers contain not-public data on individuals, which is also protected under the Minnesota Data Practices Act. Specific customer data (including the name, address or related usage) in the workpapers consist of “private data on individuals” and “confidential customer data” as recognized under the Minnesota Data Practices Act. As such, any unique information that can identify an individual customer is maintained by Xcel Energy as not-public data and protected from public disclosure.</p> |
| AGIS Support CD: Cost Benefit Model (CBA) RFPs | <p><u>CBA Model</u></p> <p>The CBA executable model represents a Company work product. Xcel Energy maintains this information as a trade secret pursuant to Minn. Stat. §13.37 (1)(b) based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. Additionally, some data contained within the model is also maintained as trade secret based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. This additional trade secret data includes negotiated pricing (including labor, materials, technology, and services) and contract terms; internal labor rates; number of customers per feeder; and device retirement and failure rates.</p> <p><u>RFPs</u></p> <p>Portions of the RFP files contained on the AGIS supporting files compact disc provided with Vol. 2B. are marked “NOT-PUBLIC” as they contain information the Company considers to be trade secret data as defined by Minn. Stat. §13.37(1)(b). This data includes confidential pricing and other contract terms. The information has independent economic value from not being generally known to, and not</p> |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Item / Location | Justification |
|------------------------|---|
| | being readily ascertainable by, other parties who could obtain economic value from its disclosure or use. We have marked additional information as "NOT PUBLIC" because the knowledge of such information in conjunction with public information in our Petition could also adversely impact future contract negotiations, potentially increasing costs for these services for our customers. Thus, the Company maintains this information as a trade secret. |

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

| Insurance Related Information | |
|---|--|
| <p>Miller Testimony, Various Schedules 2 to 13 Coverage Amounts and Terms Replacement Values</p> | <p>Xcel Energy has included information as part of the Direct Testimony and Schedules of Company witness Robert L. Miller which derives independent economic value from not being generally known to the public and which the Company has taken reasonable precautions to maintain confidential and is therefore trade secret pursuant to Minn. Stat. 13.37 (1) (b). Such information includes our insurers, the risk they insure, the premiums we pay, and how we structure our insurance coverage.</p> <p>Xcel Energy procures insurance in competitive insurance markets around the globe. To maintain our competitiveness in these markets, we must maintain the confidentiality of certain information. Information with respect to our insurance premium amounts and what we pay for each unique layer of risk we insure is proprietary to both the Company and our insurers and if it was made publicly available would provide a competitive advantage to other participants in the markets by creating a known benchmark in the market. When such information is made available by insurance brokers or other market participants, it is made anonymous so that particular risk profiles of particular companies cannot be benchmarked against premium tables.</p> <p>Further, while the components of an overall insurance program (i.e. who our participating underwriters are) need not be confidential, who a particular underwriter is for a particular layer of risk can provide competitive advantages to third parties since identifying the risks particular underwriters are willing to take would take is generally kept confidential in the various insurance markets where we procure insurance. Similarly, our insurance structure and the amount of coverage in each layer can also provide competitive advantage to other participants in various insurance markets. Consequently, we have marked this information in several of the following Schedules as Trade Secret.</p> |

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

| | |
|-----------------|--------------|
| Katie J. Sieben | Chair |
| Dan Lipschultz | Vice-Chair |
| Valerie Means | Commissioner |
| Matt Schuerger | Commissioner |
| John A. Tuma | Commissioner |

IN THE MATTER OF THE APPLICATION
OF NORTHERN STATES POWER
COMPANY FOR AUTHORITY TO
INCREASE RATES FOR ELECTRIC
SERVICE IN THE STATE OF MINNESOTA

DOCKET No. E002/GR-19-564 &
DOCKET No. E002/GR-19-658

SUMMARY OF FILING

SUMMARY OF FILING

On November 1, 2019, Northern States Power Company, doing business as Xcel Energy, filed with the Minnesota Public Utilities Commission an application to increase retail electric rates through a three-year multi-year rate plan, in the State of Minnesota (the Application) by \$201.4 million, (6.5 percent) effective January 1, 2020 (60) days after filing, without suspension; an incremental \$146.4 million, (4.8 percent) effective January 1, 2021, without suspension, and an incremental \$118.3 million, (3.9 percent) effective January 1, 2022, based on present revenues. The total increase for the three year proposal is \$466 million (15.1 percent). The Company requests a three year multi-year rate plan (MYRP), implemented pursuant to Minn. Stat. §216B.16, subds. 1 and 19. In addition, the Company proposes some changes to the terms and conditions of its Electric Rate Book, Volume 2F, under which we provide service to our customers. The Company filing also includes forecast and cost of service information for 2023 and 2024.

If the Commission elects to suspend the proposed rate increase under Minn. Stat. §216B.16, subd. 2, the Company requests, pursuant to Minn. Stat. § 216B.16, subds. 3 and 19, that an interim gross revenue increase of \$121.98 million, or an approximate 4.06 percent overall bill increase based on present

revenues, be effective on January 1, 2020, as discussed in the Company's Notice and Petition for Interim Rates (Petition), included in this Application. The Company also requests a 2021 interim gross revenue increase of an incremental \$143.98 million, or an incremental 4.88 percent increase. The interim revenue request for 2020 will be uniformly billed as a 5.65 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders) and for 2021 will be uniformly billed as an incremental 6.85 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders). The difference between the overall bill and base rate portion percentage increases results primarily from excluding fuel and purchased energy costs.

Typically final rates become effective within 10 months of the date of the Application, unless the review period is extended by the Commission. The Company recognizes, however, that the statutory triggers for extension provided by Minn. Stat. § 216B.16 subds. 2 and 19 will apply to the schedule of our case.

The typical residential electric consumer uses 600 kWh per month or 7,200 kWh per year. On average, the proposed final rate change, which includes the 2020 Test Year and 2021 and 2022 Plan Years, would increase the bill for a typical residential electric customer by approximately \$14 per month or \$169 per year. We expect final rates would not go into effect until sometime in 2021. The interim increase for that same amount of kWh, on average, would be approximately \$3.61 per month or \$43 per year in 2020. The interim increase for an average residential customer in 2021 would be approximately \$7.98 per month or \$96 per year in 2021. We expect interim rates to be in effect until final rates are ordered in 2021.

The proposed rate schedules and a comparison of present and proposed rates are available at xcelenergy.com/rates (make sure "Minnesota" is selected in top right-hand corner), select "Filings" and then "**Minnesota 2020 Electric Rate Case.**" and can also be examined during normal business hours at either our General Offices located at 414 Nicollet Mall in downtown Minneapolis or at the Minnesota Department of Commerce, Division of Energy Resources, 85 7th Place East, Suite 500, St. Paul, Minnesota 55101.

AFFIDAVIT OF SERVICE

I hereby certify that I have this day served copies of the Application or the Summary of Filing for the below entitled matter 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

IN THE MATTER OF THE APPLICATION OF NORTHERN STATES POWER COMPANY FOR AUTHORITY TO INCREASE RATES FOR ELECTRIC SERVICE IN MINNESOTA

DOCKET No. E002/GR-19-564 & E002/GR-19-658 (HC)

MISCELLANEOUS ELECTRIC SERVICE LIST

DOCKET No. E002/GR-15-826

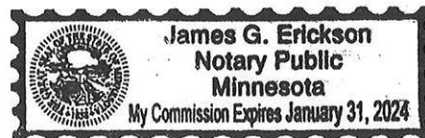
Dated this 1st day of November 2019.

Lyndette Sweet

Subscribed and sworn to before me
this 1st day of November 2019.

[Signature]

Notary Public



| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|-------------|-----------|----------------------------------|------------------------------------|---|--------------------|-------------------|-------------------------|
| David | Aafedt | daafedt@winthrop.com | Winthrop & Weinstine, P.A. | Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Christopher | Anderson | canderson@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022191 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Alison C | Archer | aarcher@misoenergy.org | MISO | 2985 Ames Crossing Rd Eagan, MN 55121 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Mara | Ascheman | mara.k.ascheman@xcelenenergy.com | Xcel Energy | 414 Nicollet Mall Fl 5 Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Gail | Baranko | gail.baranko@xcelenergy.com | Xcel Energy | 414 Nicollet Mall 7th Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Jessica L | Bayles | Jessica.Bayles@stoel.com | Stoel Rives LLP | 1150 18th St NW Ste 325 Washington, DC 20036 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| James J. | Bertrand | james.bertrand@stinson.com | STINSON LLP | 50 S 6th St Ste 2600 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Elizabeth | Brama | ebrama@briggs.com | Briggs and Morgan | 2200 IDS Center 80 South 8th Street Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| 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_19-564_GR-19-564 |
| John | Coffman | john@johncoffman.net | AARP | 871 Tuxedo Blvd. St. Louis, MO 63119-2044 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| | | | | | | | |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|----------------|--------------------|-----------------------------------|------------------------------------|--|--------------------|-------------------|-------------------------|
| Generic Notice | Commerce Attorneys | commerce.attorneys@ag.state.mn.us | Office of the Attorney General-DOC | 445 Minnesota Street Suite 1800 St. Paul, MN 55101 | Electronic Service | Yes | OFF_SL_19-564_GR-19-564 |
| Riley | Conlin | riley.conlin@stoel.com | Stoel Rives LLP | 33 S. 6th Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| George | Crocker | gwillc@nawo.org | North American Water Office | PO Box 174 Lake Elmo, MN 55042 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| James | Denniston | james.r.denniston@xcelenergy.com | Xcel Energy Services, Inc. | 414 Nicollet Mall, Fifth Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Rebecca | Eilers | rebecca.d.eilers@xcelenergy.com | Xcel Energy | 414 Nicollet Mall - 401 7th Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Jim | Erickson | jim.g.erickson@xcelenergy.com | Xcel Energy | 414 Nicollet mall 7th Flr Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| John | Farrell | jfarrell@ilsr.org | Institute for Local Self-Reliance | 1313 5th St SE #303 Minneapolis, MN 55414 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Sharon | Ferguson | sharon.ferguson@state.mn.us | Department of Commerce | 85 7th Place E Ste 280 Saint Paul, MN 551012198 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Edward | Garvey | edward.garvey@AESLconsulting.com | AESL Consulting | 32 Lawton St Saint Paul, MN 55102-2617 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|------------------|--------------------------------|--|--|--------------------|-------------------|-------------------------|
| Edward | Garvey | garveyed@aol.com | Residence | 32 Lawton St Saint Paul, MN 55102 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Amber | Hedlund | amber.r.hedlund@xcelenergy.com | Northern States Power Company dba Xcel Energy-Elec | 414 Nicollet Mall 7th Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Michael | Hoppe | il23@mtn.org | Local Union 23, I.B.E.W. | 932 Payne Avenue St. Paul, MN 55130 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Geoffrey | Inge | gbinge@kinectenergy.com | Kinect Eenergy Group | 777 29th St Ste 200 Boulder, CO 80303 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Alan | Jenkins | aj@jenkinsatlaw.com | Jenkins at Law | 2265 Roswell Road Suite 100 Marietta, GA 30062 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Linda | Jensen | linda.s.jensen@ag.state.mn.us | Office of the Attorney General-DOC | 1800 BRM Tower 445 Minnesota Street St. Paul, MN 551012134 | Electronic Service | Yes | OFF_SL_19-564_GR-19-564 |
| Richard | Johnson | Rick.Johnson@lawmoss.com | Moss & Barnett | 150 S. 5th Street Suite 1200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Sarah | Johnson Phillips | sarah.phillips@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Mark J. | Kaufman | mkaufman@ibewlocal949.org | IBEW Local Union 949 | 12908 Nicollet Avenue South Burnsville, MN 55337 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|--------------------------------|--------------------------------------|---|--------------------|-------------------|-------------------------|
| Thomas | Koehler | TGK@IBEW160.org | Local Union #160, IBEW | 2909 Anthony Ln St Anthony Village, MN 55418-3238 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Michael | Krikava | mkrikava@briggs.com | Briggs And Morgan, P.A. | 2200 IDS Center 80 S 8th St Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Carmel | Laney | carmel.laney@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Peder | Larson | plarson@larkinhoffman.com | Larkin Hoffman Daly & Lindgren, Ltd. | 8300 Norman Center Drive Suite 1000 Bloomington, MN 55437 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Douglas | Larson | dlarson@dakotaelectric.com | Dakota Electric Association | 4300 220th St W Farmington, MN 55024 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Ryan | Long | ryan.j.long@xcelenergy.com | Xcel Energy | 414 Nicollet Mall 401 8th Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Kavita | Maini | kmairi@wi.rr.com | KM Energy Consulting LLC | 961 N Lost Woods Rd Oconomowoc, WI 53066 | Paper Service | No | OFF_SL_19-564_GR-19-564 |
| Pam | Marshall | pam@energycents.org | Energy CENTS Coalition | 823 7th St E St. Paul, MN 55106 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Mary | Martinka | mary.a.martinka@xcelenergy.com | Xcel Energy Inc | 414 Nicollet Mall 7th Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Brian | Meloy | brian.meloy@stinson.com | STINSON LLP | 50 S 6th St Ste 2600 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |

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|----------------|--------------------------------|--------------------------------------|--------------------------------------|--|--------------------|-------------------|-------------------------|
| Joseph | Meyer | joseph.meyer@ag.state.mn.us | Office of the Attorney General-RUD | Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Stacy | Miller | stacy.miller@minneapolismn.gov | City of Minneapolis | 350 S. 5th Street Room M 301 Minneapolis, MN 55415 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| David | Moeller | dmoeller@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022093 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Andrew | Moratzka | andrew.moratzka@stoel.com | Stoel Rives LLP | 33 South Sixth St Ste 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Heidi | Nelson | Heidi.nelson@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| David | Niles | david.niles@avantenergy.com | Minnesota Municipal Power Agency | 220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Carol A. | Overland | overland@legalectric.org | Legalelectric - Overland Law Office | 1110 West Avenue Red Wing, MN 55066 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Jeff | Oxley | jeff.oxley@state.mn.us | Office of Administrative Hearings | 600 North Robert Street St. Paul, MN 55101 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Generic Notice | Residential Utilities Division | residential.utilities@ag.state.mn.us | Office of the Attorney General-RUD | 1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131 | Electronic Service | Yes | OFF_SL_19-564_GR-19-564 |
| Kevin | Reuther | kreuther@mncenter.org | MN Center for Environmental Advocacy | 26 E Exchange St, Ste 206 St. Paul, MN 551011667 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|----------------|------------------------------|--------------------------------|---|--------------------|-------------------|-------------------------|
| Amanda | Rome | amanda.rome@xcelenergy.com | Xcel Energy | 414 Nicollet Mall FL 5 Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Richard | Savelkoul | rsavelkoul@martinsquires.com | Martin & Squires, P.A. | 332 Minnesota Street Ste W2750 St. Paul, MN 55101 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Janet | Shaddix Elling | jshaddix@janetshaddix.com | Shaddix And Associates | 7400 Lyndale Ave S Ste 190 Richfield, MN 55423 | Electronic Service | Yes | OFF_SL_19-564_GR-19-564 |
| Joshua | Smith | joshua.smith@sierraclub.org | | 85 Second St FL 2 San Francisco, California 94105 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Ken | Smith | ken.smith@districtenergy.com | District Energy St. Paul Inc. | 76 W Kellogg Blvd St. Paul, MN 55102 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Beth H. | Soholt | bsoholt@windonthewires.org | Wind on the Wires | 570 Asbury Street Suite 201 St. Paul, MN 55104 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Byron E. | Starns | byron.starns@stinson.com | STINSON LLP | 50 S 6th St Ste 2600 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| James M | Strommen | jstrommen@kennedy-graven.com | Kennedy & Graven, Chartered | 200 S 6th St Ste 470 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Eric | Swanson | eswanson@winthrop.com | Winthrop & Weinstine | 225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| | | | | | | | |

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| Lynnette | Sweet | Regulatory.records@xcelenergy.com | Xcel Energy | 414 Nicollet Mall FL 7 Minneapolis, MN 554011993 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Thomas | Tynes | jjazyuka@energyfreedomcoalition.com | Energy Freedom Coalition of America | 101 Constitution Ave NW Ste 525 East Washington, DC 20001 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| 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_19-564_GR-19-564 |
| Jonathan | Wallach | Jwallach@resourceinsight.com | Resource Insight, Inc. | 5 Water St. Arlington, MA 02476 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Scott M. | Wilensky | scott.wilensky@xcelenergy.com | Xcel Energy | 7th Floor 414 Nicollet Mall Minneapolis, MN 554011993 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Samantha | Williams | swilliams@nrdc.org | Natural Resources Defense Council | 20 N. Wacker Drive Ste 1600 Chicago, IL 60606 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| Joseph | Windler | jwindler@winthrop.com | Winthrop & Weinstine | 225 South Sixth Street, Suite 3500 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |
| 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_19-564_GR-19-564 |
| Patrick | Zomer | Patrick.Zomer@lawmoss.com | Moss & Barnett a Professional Association | 150 S. 5th Street, #1200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_19-564_GR-19-564 |

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|----------------|--------------------|-----------------------------------|------------------------------------|---|--------------------|-------------------|---|
| David | Aafedt | daafedt@winthrop.com | Winthrop & Weinstine, P.A. | Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| 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 |
| Alison C | Archer | aarcher@misoenergy.org | MISO | 2985 Ames Crossing Rd Eagan, MN 55121 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| James J. | Bertrand | james.bertrand@stinson.com | STINSON LLP | 50 S 6th St Ste 2600 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| 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 | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
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| Generic Notice | Commerce Attorneys | commerce.attorneys@ag.state.mn.us | Office of the Attorney General-DOC | 445 Minnesota Street Suite 1800 St. Paul, MN 55101 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Riley | Conlin | riley.conlin@stoel.com | Stoel Rives LLP | 33 S. 6th Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| George | Crocker | gwillc@nawo.org | North American Water Office | PO Box 174 Lake Elmo, MN 55042 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| John | Farrell | jfarrell@ilsr.org | Institute for Local Self-Reliance | 1313 5th St SE #303 Minneapolis, MN 55414 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
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| Sharon | Ferguson | sharon.ferguson@state.mn.us | Department of Commerce | 85 7th Place E Ste 280 Saint Paul, MN 551012198 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Edward | Garvey | edward.garvey@AESLconsulting.com | AESL Consulting | 32 Lawton St Saint Paul, MN 55102-2617 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Janet | Gonzalez | Janet.gonzalez@state.mn.us | Public Utilities Commission | Suite 350 121 7th Place East St. Paul, MN 55101 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| 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-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 |
| Linda | Jensen | linda.s.jensen@ag.state.mn.us | Office of the Attorney General-DOC | 1800 BRM Tower 445 Minnesota Street St. Paul, MN 551012134 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Richard | Johnson | Rick.Johnson@lawmoss.com | 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 |
| Sarah | Johnson Phillips | sarah.phillips@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 |
| Mark J. | Kaufman | mkaufman@ibewlocal949.org | 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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| Thomas | Koehler | TGK@IBEW160.org | Local Union #160, IBEW | 2909 Anthony Ln St Anthony Village, MN 55418-3238 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| 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.com | 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 |
| Peder | Larson | plarson@larkinhoffman.com | Larkin Hoffman Daly & Lindgren, Ltd. | 8300 Norman Center Drive Suite 1000 Bloomington, MN 55437 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Kavita | Maini | kmairi@wi.rr.com | KM Energy Consulting LLC | 961 N Lost Woods Rd Oconomowoc, WI 53066 | Paper 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 |
| Joseph | Meyer | joseph.meyer@ag.state.mn.us | Office of the Attorney General-RUD | Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Stacy | Miller | stacy.miller@minneapolismn.gov | City of Minneapolis | 350 S. 5th Street Room M 301 Minneapolis, MN 55415 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| David | Moeller | dmoeller@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022093 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Andrew | Moratzka | andrew.moratzka@stoel.com | Stoel Rives LLP | 33 South Sixth St Ste 4200 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
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| David | Niles | david.niles@avantenergy.com | Minnesota Municipal Power Agency | 220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Carol A. | Overland | overland@legalelectric.org | Legalelectric - Overland Law Office | 1110 West Avenue Red Wing, MN 55066 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Jeff | Oxley | jeff.oxley@state.mn.us | Office of Administrative Hearings | 600 North Robert Street St. Paul, MN 55101 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Generic Notice | Residential Utilities Division | residential.utilities@ag.state.mn.us | Office of the Attorney General-RUD | 1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |
| Kevin | Reuther | kreuther@mncenter.org | MN Center for Environmental Advocacy | 26 E Exchange St, Ste 206 St. Paul, MN 551011667 | 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.com | 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 |
| Byron E. | Starns | byron.starns@stinson.com | STINSON LLP | 50 S 6th St Ste 2600 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 | 200 S 6th St Ste 470 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 |

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|------------|-----------|-------------------------------------|---|---|--------------------|-------------------|---|
| Lynnette | Sweet | Regulatory.records@xcelenergy.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 |
| Thomas | Tynes | jjazynka@energyfreedomcoalition.com | Energy Freedom Coalition of America | 101 Constitution Ave NW Ste 525 East Washington, DC 20001 | 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 |
| Joseph | Windler | jwindler@winthrop.com | Winthrop & Weinstine | 225 South Sixth Street, Suite 3500 Minneapolis, MN 55402 | 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 |
| Patrick | Zomer | Patrick.Zomer@lawmoss.com | Moss & Barnett a Professional Association | 150 S. 5th Street, #1200 Minneapolis, MN 55402 | Electronic Service | No | GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
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| David | Aafedt | daafedt@winthrop.com | Winthrop & Weinstine, P.A. | Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629 | Electronic Service | No | OFF_SL_15-826_Official |
| Christopher | Anderson | canderson@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022191 | Electronic Service | No | OFF_SL_15-826_Official |
| Alison C | Archer | aarcher@misoenergy.org | MISO | 2985 Ames Crossing Rd Eagan, MN 55121 | Electronic Service | No | OFF_SL_15-826_Official |
| Mara | Ascheman | mara.k.ascheman@xcelenenergy.com | Xcel Energy | 414 Nicollet Mall Fl 5 Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_15-826_Official |
| Gail | Baranko | gail.baranko@xcelenergy.com | Xcel Energy | 414 Nicollet Mall 7th Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_15-826_Official |
| Jessica L | Bayles | Jessica.Bayles@stoel.com | Stoel Rives LLP | 1150 18th St NW Ste 325 Washington, DC 20036 | Electronic Service | No | OFF_SL_15-826_Official |
| James J. | Bertrand | james.bertrand@stinson.com | STINSON LLP | 50 S 6th St Ste 2600 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_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_15-826_Official |
| John | Coffman | john@johncoffman.net | AARP | 871 Tuxedo Blvd. St. Louis, MO 63119-2044 | Electronic Service | No | OFF_SL_15-826_Official |
| Generic Notice | Commerce Attorneys | commerce.attorneys@ag.state.mn.us | Office of the Attorney General-DOC | 445 Minnesota Street Suite 1800 St. Paul, MN 55101 | Electronic Service | Yes | OFF_SL_15-826_Official |
| | | | | | | | |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
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| Riley | Conlin | riley.conlin@stoel.com | Stoel Rives LLP | 33 S. 6th Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| James | Denniston | james.r.denniston@xcelenergy.com | Xcel Energy Services, Inc. | 414 Nicollet Mall, Fifth Floor Minneapolis, MN 55401 | Electronic Service | Yes | OFF_SL_15-826_Official |
| Rebecca | Eilers | rebecca.d.eilers@xcelenergy.com | Xcel Energy | 414 Nicollet Mall - 401 7th Floor Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_15-826_Official |
| John | Farrell | jfarrell@ilsr.org | Institute for Local Self-Reliance | 1313 5th St SE #303 Minneapolis, MN 55414 | Electronic Service | No | OFF_SL_15-826_Official |
| Sharon | Ferguson | sharon.ferguson@state.mn.us | Department of Commerce | 85 7th Place E Ste 280 Saint Paul, MN 551012198 | Electronic Service | No | OFF_SL_15-826_Official |
| Edward | Garvey | garveyed@aol.com | Residence | 32 Lawton St Saint Paul, MN 55102 | Electronic Service | No | OFF_SL_15-826_Official |
| Janet | Gonzalez | Janet.gonzalez@state.mn.us | Public Utilities Commission | Suite 350 121 7th Place East St. Paul, MN 55101 | Electronic Service | Yes | OFF_SL_15-826_Official |
| Michael | Hoppe | il23@mtn.org | Local Union 23, I.B.E.W. | 932 Payne Avenue St. Paul, MN 55130 | Electronic Service | No | OFF_SL_15-826_Official |
| Alan | Jenkins | aj@jenkinsatlaw.com | Jenkins at Law | 2265 Roswell Road Suite 100 Marietta, GA 30062 | Electronic Service | No | OFF_SL_15-826_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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| Linda | Jensen | linda.s.jensen@ag.state.mn.us | Office of the Attorney General-DOC | 1800 BRM Tower 445 Minnesota Street St. Paul, MN 551012134 | Electronic Service | Yes | OFF_SL_15-826_Official |
| Sarah | Johnson Phillips | sarah.phillips@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| Mark J. | Kaufman | mkaufman@ibewlocal949.org | IBEW Local Union 949 | 12908 Nicollet Avenue South Burnsville, MN 55337 | Electronic Service | No | OFF_SL_15-826_Official |
| Thomas | Koehler | TGK@IBEW160.org | Local Union #160, IBEW | 2909 Anthony Ln St Anthony Village, MN 55418-3238 | Electronic Service | No | OFF_SL_15-826_Official |
| Michael | Krikava | mkrikava@briggs.com | Briggs And Morgan, P.A. | 2200 IDS Center 80 S 8th St Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| Carmel | Laney | carmel.laney@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| Douglas | Larson | dlarson@dakotaelectric.com | Dakota Electric Association | 4300 220th St W Farmington, MN 55024 | Electronic Service | No | OFF_SL_15-826_Official |
| Peder | Larson | plarson@larkinhoffman.com | Larkin Hoffman Daly & Lindgren, Ltd. | 8300 Norman Center Drive Suite 1000 Bloomington, MN 55437 | Electronic Service | No | OFF_SL_15-826_Official |
| Kavita | Maini | kmains@wi.rr.com | KM Energy Consulting LLC | 961 N Lost Woods Rd Oconomowoc, WI 53066 | Paper Service | No | OFF_SL_15-826_Official |
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| Pam | Marshall | pam@energycents.org | Energy CENTS Coalition | 823 7th St E St. Paul, MN 55106 | Electronic Service | No | OFF_SL_15-826_Official |
| Mary | Martinka | mary.a.martinka@xcelenergy.com | Xcel Energy Inc | 414 Nicollet Mall 7th Floor Minneapolis, MN 55401 | Electronic Service | Yes | OFF_SL_15-826_Official |
| Joseph | Meyer | joseph.meyer@ag.state.mn.us | Office of the Attorney General-RUD | Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131 | Electronic Service | No | OFF_SL_15-826_Official |
| David | Moeller | dmoeller@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022093 | Electronic Service | No | OFF_SL_15-826_Official |
| Andrew | Moratzka | andrew.moratzka@stoel.com | Stoel Rives LLP | 33 South Sixth St Ste 4200 Minneapolis, MN 55402 | Electronic Service | Yes | OFF_SL_15-826_Official |
| Heidi | Nelson | Heidi.nelson@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| David | Niles | david.niles@avantenergy.com | Minnesota Municipal Power Agency | 220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| Carol A. | Overland | overland@legalectric.org | Legalelectric - Overland Law Office | 1110 West Avenue Red Wing, MN 55066 | Electronic Service | No | OFF_SL_15-826_Official |
| Jeff | Oxley | jeff.oxley@state.mn.us | Office of Administrative Hearings | 600 North Robert Street St. Paul, MN 55101 | Electronic Service | No | OFF_SL_15-826_Official |
| Generic Notice | Residential Utilities Division | residential.utilities@ag.state.mn.us | Office of the Attorney General-RUD | 1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131 | Electronic Service | Yes | OFF_SL_15-826_Official |

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|------------|----------------|-----------------------------------|--------------------------------------|--|--------------------|-------------------|------------------------|
| Kevin | Reuther | kreuther@mncenter.org | MN Center for Environmental Advocacy | 26 E Exchange St, Ste 206 St. Paul, MN 551011667 | Electronic Service | No | OFF_SL_15-826_Official |
| Amanda | Rome | amanda.rome@xcelenergy.com | Xcel Energy | 414 Nicollet Mall FL 5 Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_15-826_Official |
| Richard | Savelkoul | rsavelkoul@martinsquires.com | Martin & Squires, P.A. | 332 Minnesota Street Ste W2750 St. Paul, MN 55101 | Electronic Service | Yes | OFF_SL_15-826_Official |
| Janet | Shaddix Elling | jshaddix@janetshaddix.com | Shaddix And Associates | 7400 Lyndale Ave S Ste 190 Richfield, MN 55423 | Electronic Service | Yes | OFF_SL_15-826_Official |
| Ken | Smith | ken.smith@districtenergy.com | District Energy St. Paul Inc. | 76 W Kellogg Blvd St. Paul, MN 55102 | Electronic Service | No | OFF_SL_15-826_Official |
| Byron E. | Starns | byron.starns@stinson.com | STINSON LLP | 50 S 6th St Ste 2600 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| James M | Strommen | jstrommen@kennedy-graven.com | Kennedy & Graven, Chartered | 200 S 6th St Ste 470 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| Eric | Swanson | eswanson@winthrop.com | Winthrop & Weinstine | 225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629 | Electronic Service | No | OFF_SL_15-826_Official |
| Lynnette | Sweet | Regulatory.records@xcelenergy.com | Xcel Energy | 414 Nicollet Mall FL 7 Minneapolis, MN 554011993 | Electronic Service | Yes | OFF_SL_15-826_Official |
| | | | | | | | |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|-------------------------------------|---|--|--------------------|-------------------|------------------------|
| Thomas | Tynes | jjazynka@energyfreedomcoalition.com | Energy Freedom Coalition of America | 101 Constitution Ave NW Ste 525 East Washington, DC 20001 | Electronic Service | No | OFF_SL_15-826_Official |
| 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_15-826_Official |
| Scott M. | Wilensky | scott.wilensky@xcelenergy.com | Xcel Energy | 7th Floor 414 Nicollet Mall Minneapolis, MN 554011993 | Electronic Service | No | OFF_SL_15-826_Official |
| Samantha | Williams | swilliams@nrdc.org | Natural Resources Defense Council | 20 N. Wacker Drive Ste 1600 Chicago, IL 60606 | Electronic Service | No | OFF_SL_15-826_Official |
| Joseph | Windler | jwindler@winthrop.com | Winthrop & Weinstine | 225 South Sixth Street, Suite 3500 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |
| 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_15-826_Official |
| Patrick | Zomer | Patrick.Zomer@lawmoss.com | Moss & Barnett a Professional Association | 150 S. 5th Street, #1200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_15-826_Official |

**Notice to Counties and Municipalities
Under Minn. Stat. § 216B.16, subd. 1**

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

| | |
|-----------------|--------------|
| Katie J. Sieben | Chair |
| Dan Lipschultz | Vice Chair |
| Valerie Means | Commissioner |
| Matt Schuerger | Commissioner |
| John A. Tuma | Commissioner |

IN THE MATTER OF THE APPLICATION
OF NORTHERN STATES POWER
COMPANY FOR AUTHORITY TO
INCREASE RATES FOR ELECTRIC
SERVICE IN THE STATE OF MINNESOTA

DOCKET NO. E002/ GR-19-564

On November 1, 2019, Northern States Power Company, doing business as Xcel Energy, filed with the Minnesota Public Utilities Commission an application to increase gross retail electric rates, through a three-year multi-year rate plan, in the State of Minnesota (the Application) by \$201.4 million (6.45 percent) effective January 1, 2020, sixty (60) days after filing, without suspension; an incremental increase of \$146.4 million (4.8 percent) effective January 1, 2021, without suspension; and an incremental increase of \$118.3 million (or 3.9 percent) effective January 1, 2022, based on 2020 present revenues. The Company requests a three year multi-year rate plan (MYRP), modeled after its current four year MYRP and implemented pursuant to Minn. Stat. §216B.16, subds. 1 and 19. The Company also proposes some changes to the terms and conditions of our Electric Rate Book, Volume 2F, under which we provide service to our customers. Finally, the Company provides forecasts and cost of service information for 2023 and 2024, should the Commission and parties wish to explore another four year MYRP for the Company.

If the Commission elects to suspend the proposed rate increase under Minn. Stat. §216B.16, subd. 2, the Company requests, pursuant to Minn. Stat. § 216B.16, subds. 3 and 19, that an interim rate increase of \$122 million, or an approximately 4.06 percent overall bill increase, be effective on January 1, 2020, as discussed in the Company's Notice and Petition for Interim Rates (Petition), included in this Application. The interim revenue request will be uniformly billed as a 5.65 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders). The difference between the base rate and the overall bill in the percentage

increases results primarily from the unbundling of fuel and purchased energy costs approved by the Commission in our 2005 electric rate case (Docket No. E002/GR-05-1428).

The Company requests a three year multi-year rate plan (MYRP), implemented pursuant to Minn. Stat. §216B.16, subds. 1 and 19. Our three year plan is built upon a 2020 test year and then offers predictable and affordable rates for our customers while enabling the Company to continue making investments in our system to ensure the delivery of clean, reliable and safe service.

The Company’s revenue deficiency in this MYRP reflects the costs of investments in our system, both in 2019 and over the next several years, as we continue to invest in carbon free energy sources and replace infrastructure. In addition, we are proposing some changes to the terms and conditions of our Electric Rate Book, including a new general time-of-day rate for our commercial and industrial customers.

Typically final rates become effective within 10 months of the date of the Application, unless the review period is extended by the Commission. Since certain extensions under Minnesota law are implicated, the review period will take longer than 10 months and the Commission will likely make a final decision regarding our request sometime in 2021. Any over-collection under interim rates will be refunded with interest to customers in a manner determined by the Commission.

Xcel Energy is requesting this rate increase to meet its current cost of providing electric service, including a reasonable return on common equity. The following table contains the average monthly impact of the approved interim and proposed rate increases on customer classes:

Average Monthly Bills

| Customer type | Average monthly kWh usage | Current monthly cost | Interim monthly increase | Proposed 2020 monthly increase | Proposed 2021 monthly increase | Proposed 2022 monthly increase |
|--|---------------------------|----------------------|--------------------------|--------------------------------|--------------------------------|--------------------------------|
| Residential - Overhead line service | 516 | \$73.83 | \$3.16 | \$4.98 | \$9.01 | \$12.32 |
| Residential - Underground line service | 754 | \$106.20 | \$4.53 | \$6.58 | \$12.47 | \$17.32 |
| Energy-Controlled (Dual Fuel) | 1,083 | \$90.97 | \$3.03 | \$2.34 | \$8.71 | \$13.52 |
| Small General Service | 846 | \$109.39 | \$4.51 | \$8.47 | \$14.12 | \$18.37 |
| Small General Time-of-Day Service | 1,127 | \$130.01 | \$5.12 | \$8.99 | \$15.44 | \$20.57 |
| General Service | 15,642 | \$1,670.16 | \$64.57 | \$92.35 | \$164.08 | \$220.82 |
| General Time-of-Day Service | 131,393 | \$11,443.63 | \$407.67 | \$640.83 | \$1,124.65 | \$1,513.93 |
| Peak-Controlled Service | 64,756 | \$8,338.47 | \$338.27 | \$445.06 | \$833.83 | \$1,134.71 |
| Peak-Controlled Time-of-Day Service | 602,250 | \$61,368.20 | \$2,316.38 | \$3,356.04 | \$6,156.75 | \$8,364.76 |
| Small Municipal Pumping | 638 | \$84.95 | \$3.54 | \$6.76 | \$11.01 | \$14.22 |
| Municipal Pumping | 8,828 | \$1,074.95 | \$43.37 | \$58.07 | \$103.88 | \$139.70 |

Note: Proposed lighting rate changes vary according to the type of lighting. The proposed final increase is 14.6 percent for full service street lighting, 2.1 percent for energy-only street lighting service, and 6.3 percent for residential and commercial protective lighting.

Monthly Customer Charges

| Customer type | Current | Proposed |
|-------------------------------------|---------|----------|
| Residential | | |
| Overhead line | \$8.00 | \$9.50 |
| Overhead line - electric heating | \$10.00 | \$11.50 |
| Underground line | \$10.00 | \$11.50 |
| Underground line - electric heating | \$12.00 | \$13.50 |
| Small Commercial | | |
| Small General | \$10.00 | \$11.50 |
| Small General Time-of-Day | \$12.00 | \$13.50 |
| Commercial and Industrial | | |
| General | \$25.64 | \$27.00 |
| General Time-of-Day | \$29.64 | \$31.00 |
| Peak-Controlled | \$55.00 | \$60.00 |
| Peak-Controlled Time-of-Day | \$55.00 | \$60.00 |

Energy (per kWh) and Demand (per kW) Rates

| Customer type | Current | Proposed 2020 | Proposed 2021 | Proposed 2022 |
|-----------------------------------|----------|---------------|---------------|---------------|
| Residential | | | | |
| Energy: Summer (June-September) | 10.301 ¢ | 11.577 ¢ | 12.374 ¢ | 13.020 ¢ |
| Energy: Winter (Other months) | 8.803 ¢ | 9.985 ¢ | 10.722 ¢ | 11.322 ¢ |
| Energy: Winter - electric heating | 5.988 ¢ | 6.789 ¢ | 7.358 ¢ | 7.811 ¢ |
| Small General | | | | |
| Energy: Summer | 9.256 ¢ | 10.589 ¢ | 11.273 ¢ | 11.780 ¢ |
| Energy: Winter | 7.757 ¢ | 8.998 ¢ | 9.621 ¢ | 10.081 ¢ |
| Small General Time-of-Day | | | | |
| Energy: On-Peak Summer | 14.880 ¢ | 16.786 ¢ | 17.846 ¢ | 18.554 ¢ |
| Energy: On-Peak Winter | 11.723 ¢ | 13.442 ¢ | 14.374 ¢ | 14.984 ¢ |
| Energy: Off-Peak | 4.170 ¢ | 4.958 ¢ | 5.300 ¢ | 5.624 ¢ |
| General | | | | |
| Energy | 3.407 ¢ | 3.948 ¢ | 4.211 ¢ | 4.430 ¢ |
| Demand: Summer | \$14.79 | \$16.54 | \$17.09 | \$17.54 |
| Demand: Winter | \$10.49 | \$12.04 | \$12.59 | \$12.93 |
| General Time-of-Day | | | | |
| Energy: On-Peak | 4.855 ¢ | 5.611 ¢ | 5.984 ¢ | 6.296 ¢ |
| Energy: Off-Peak | 2.341 ¢ | 2.737 ¢ | 2.919 ¢ | 3.071 ¢ |
| Demand: Summer | \$14.79 | \$16.54 | \$17.09 | \$17.54 |
| Demand: Winter | \$10.49 | \$12.04 | \$12.59 | \$12.93 |

Public hearings will be held at various locations in Xcel Energy's electric service area. Counties, municipalities and customers will be notified once the hearings are scheduled.

The proposed rate schedules and a comparison of present and proposed rates are available at www.xcelenergy.com/rates (make sure "Minnesota" is selected in top right-hand corner), select "**Filings**" and then "**Minnesota 2020 Electric Rate Case.**" and can also be examined during normal business hours at either our General Offices located at 401 Nicollet Mall in downtown Minneapolis or at the Minnesota Department of Commerce, Division of Energy Resources, 85 7th Place East, Suite 500, St. Paul, Minnesota 55101.

Those who wish to intervene or testify in this case should contact the Minnesota Office of Administrative Hearings, P.O. Box 64620, St. Paul, Minnesota 55164-0620, Telephone: 651-361-7900, TTY: 651-361-7878. Public notice of hearings dates and locations will be published in local newspapers in Xcel Energy's Minnesota service area.

Questions on the rate increase may be directed to Gail A. Baranko at (612) 330-6935. Comments may also be mailed to Gail A. Baranko at 414 Nicollet Mall, 401 7th Floor, Minneapolis, MN 55401.

Counties Served by Xcel Energy

| | |
|---------------|-----------------|
| Anoka | Nicollet |
| Benton | Norman |
| Blue Earth | Olmsted |
| Brown | Pipestone |
| Carver | Pope |
| Chippewa | Ramsey |
| Chisago | Redwood |
| Clay | Renville |
| Dakota | Rice |
| Dodge | Rock |
| Douglas | Scott |
| Faribault | Sherburne |
| Freeborn | Sibley |
| Goodhue | Stearns |
| Hennepin | Steele |
| Houston | Todd |
| Kandiyohi | Wabasha |
| Lac Qui Parle | Waseca |
| LeSueur | Washington |
| Lincoln | Watonwan |
| Lyon | Wilken |
| McLeod | Winona |
| Meeker | Wright |
| Mower | Yellow Medicine |
| Murray | |

Communities Served by Xcel Energy

| | | | | |
|-----------------------|------------------------|-----------------------|----------------------|----------------------|
| Aetna Township | Brooten | Corinna Township | Falcon Heights | Hadley |
| Afton | Buffalo | Cosmos | Faribault | Hale Township |
| Albany | Buffalo Lake | Cosmos Township | Farmington | Hamburg |
| Albany Township | Buffalo Township | Cottage Grove | Faxon Township | Hamel (U) |
| Albertville | Burbank Township | Cottonwood | Featherstone Twshp | Hammond |
| Alma City (U) | Burnsville | Courtland | Felton | Hampton |
| Alton Township | Butterfield | Courtland Township | Felton Township | Hampton Township |
| Altura | Byron | Credit River Township | Florence | Hancock |
| Amador Township | Camden Township | Crow Lake Township | Florence Township | Hancock Township |
| Annandale | Camp Release Twshp | Crystal | Flowing Township | Hanley Falls |
| Apple Valley | Canisteo Township | Currie | Foley | Hanover |
| Arden Hills | Cannon City (U) | Custer Township | Forest Lake | Hartland |
| Ashland Township | Cannon City Township | Dahlgren Township | Fort Snelling | Hartland Township |
| Atwater | Cannon Falls | Dakota | Franconia Township | Hastings |
| Averill (U) | Cannon Falls Twshp | Danube | Franklin | Hatfield |
| Avon | Carver | Dassel | Franklin Township | Haven Township |
| Avon Township | Castle Rock Township | Dassel Township | Freedom Township | Hawk Creek Township |
| Baker (U) | Center City | Dayton | Freeport | Hay Creek Township |
| Balaton | Centerville | Deephaven | Fridley | Hayfield |
| Bancroft Township | Champlin | Deerfield Township | Friendship Township | Hayfield Township |
| Bangor Township | Chandler | Delano | Frontenac (U) | Hazel Run |
| Bath Township | Chanhassen | Delhi | Garden City Twshp | Hector |
| Bayport | Chaska | Dellwood | Garvin | Hector Township |
| Baytown Township | Cherry Grove Twshp | Denmark Township | Gaylord | Helen Township |
| Beauford (U) | Chester Township | Dennison | Gem Lake | Helena Township |
| Beauford Township | Chisago City | Dilworth | Gibbon | Henderson |
| Becker | Chisago Lake Twshp | Dodge Center | Gillford Township | Henderson Township |
| Becker Township | Circle Pines | Dresbach (U) | Gilmanton Township | Hillsdale Township |
| Belgrade | Clara City | Dresbach Township | Glasgow Township | Hilltop |
| Belle Creek Township | Claremont | Dryden Township | Glencoe | Hokah |
| Belle Plaine | Claremont Township | Dundas | Glencoe Township | Holden Township |
| Belle Plaine Township | Clarkfield | Eagan | Glenwood | Holding Township |
| Bellechester | Clarks Grove | Eagle Lake | Glenwood Township | Holdingford |
| Belvidere Township | Clear Lake | East Bethel | Glyndon | Holland |
| Belview | Clear Lake Township | Echo | Glyndon Township | Holland Township |
| Benton Township | Clearwater | Echo Township | Golden Valley | Hollywood Township |
| Bergen Township | Clements | Eden Lake Township | Good Thunder | Holy Cross Township |
| Big Lake | Cleveland | Eden Prairie | Goodhue | Homer Township |
| Big Lake Township | Clinton Falls (U) | Eden Township | Goodhue Township | Hope Township |
| Birch Cooley Township | Clinton Falls Township | Eden Valley | Goodview | Hopkins |
| Birchwood | Coates | Edgerton | Gordon Township | Howard Lake |
| Birchwood Township | Cobden | Edina | Grafton Township | Hugo |
| Bird Island | Cokato | Edwards Township | Granite Falls Twshp | Hyde Park Township |
| Bird Island Township | Cokato Township | Elba | Grant | Ihlen |
| Blaine | Cold Spring | Elko New Market | Gray Township | Independence |
| Blakely Township | Collegeville Township | Ellington Township | Green Isle | Inver Grover Heights |
| Blomkest | Collins Township | Elmer Township | Green Isle Township | Iona |
| Blooming Grove Twsp | Collinwood Township | Elmwood Township | Green Lake Township | Iosco Township |
| Bloomington | Cologne | Elysian | Greenfield | Irving Township |
| Borup | Columbia Heights | Elysian Township | Greenfield Township | Jackson Township |
| Bridgewater Township | Comstock | Emmet Township | Greenvale Township | Jamestown Township |
| Brighton Township | Concord (U) | Empire Township | Greenwald | Janesville |
| Brockway Township | Concord Township | Essig (U) | Greenwood | Janesville Township |
| Brooklyn Center | Coon Rapids | Evan | Grey Cloud Is. Twshp | Jasper |
| Brooklyn Park | Corcoran | Excelsior | Grove Township | Jordan |

Northern States Power Company
Electric Utility - State of Minnesota

Docket No. E002/GR-19-564

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|-----------------------|-----------------------|--------------------------|----------------------|-------------------------|
| Kalmar Township | Maine Prairie Twshp | Morgan | Paynesville Township | Sciota Township |
| Kasota Township | Manchester | Morgan Township | Pemberton | Sedan |
| Kasson | Manchester Township | Morristown | Pepin Township | Severence Township |
| Kellogg | Mankato | Morristown Township | Pine Island | Shafer |
| Kenyon Township | Mankato Township | Morton | Pine Island Township | Shafer Township |
| Kilkenny | Mantorville | Mound | Pine Springs | Shakopee |
| Kilkenny Township | Mantorville Township | Mounds View | Pipestone | Sherman Township |
| Kimball | Maple Grove | Mount Pleasant Twshp | Plato | Shetek Township |
| Kingston | Maple Lake | Mount Vernon Twshp | Pleasant Hill Twshp | Shieldsville Township |
| Kingston Township | Maple Lake Township | Munson Township | Plymouth | Shoreview |
| Krain Township | Maple Plain | Murray Township | Posen Township | Shorewood |
| La Crescent | Mapleton | Nerstrand | Prinsburg | Sibley Township |
| La Crescent Township | Mapleton Township | New Auburn | Prior Lake | Silver Lake |
| Lafayette | Maplewood | New Brighton | Randolph | Skyline |
| Lake City | Marine on St. Croix | New Germany | Randolph Township | Slayton |
| Lake Elmo | Marysville Township | New Hartford Twshp | Rapidan Township | Slayton Township |
| Lake Henry | May Township | New Haven Township | Raymond | Smiths Mill (U) |
| Lake Henry Township | Mayer | New Hope | Reads Landing (U) | South Bend (U) |
| Lake Lillian | Mayhew Lake Twshp | New London | Red Wing | South Bend Township |
| Lake Lillian Township | Maynard | New London Twshp | Regal | South Haven |
| Lake St. Croix Beach | Mazeppa | New Market Township | Renville | South St. Paul |
| Lake Township | Mazeppa Township | New Munich | Rheiderland Twshp | Southside Township |
| Lake Wilson | McPherson Township | New Prague | Rice | Sparta Township |
| Lakeland | Medford | New Richland | Rich Valley Township | Spicer |
| Lakeland Shores | Medford Township | New Richland Twshp | Richfield | Spring Hill |
| Laketown Township | Medicine Lake | Newport | Richmond | Spring Lake Park |
| Lakeville | Medina | Nicollet | Ridgeway (U) | Spring Lake Township |
| Landfall | Medo Township | Nicollet Township | Ripley Township | Spring Park |
| Lanesburgh Township | Meire Grove | Nininger Township | Riverton Township | Spring Prairie Township |
| Lauderdale | Mendota | Nodine (U) | Robbinsdale | St. Anthony |
| Le Sauk Township | Mendota Heights | North Branch | Rock Township | St. Augusta |
| Lemond Township | Meriden Township | North Mankato | Rock Lock Township | St. Bonifacius |
| Lent Township | Middleville Township | North Oaks | Rockford | St. Clair |
| LeRay Township | Milford Township | North St. Paul | Rockford Township | St. Cloud |
| Lester Prairie | Millville | Northfield | Rockville | St. Joseph |
| Leven Township | Milton Township | Northfield Township | Rogers | St. Joseph Township |
| Lexington | Minden Township | Norton Township | Rollingstone | St. Louis Park |
| Lilydale | Minneapolis | Norwood Young America | Rollingstone Twshp | St. Martin |
| Lime Township | Minneiska | Oak Center (U) | Roscoe | St. Mary Township |
| Lincoln Township | Minneiska Township | Oak Park Heights | Roscoe Township | St. Mary's Point |
| Lindstrom | Minneola Township | Oak Township | Roseland Township | St. Michael |
| Lino Lakes | Minnesota City | Oakdale | Rosemount | St. Paul |
| Linwood Township | Minnesota Falls Twshp | Oakport Township | Roseville | St. Paul Park |
| Little Canada | Minnesota Lake | Oakwood Township | Rosewood Township | St. Wendel Township |
| Long Beach | Minnnetonka | Orono | Ruthton | Stacy |
| Long Lake | Minnnetonka Beach | Osakis | Sabin | Stanton (U) |
| Lonsdale | Minnetrista | Osborne Township | Sacred Heart | Stanton Township |
| Loretto | Minnewaska Township | Osseo | Sacred Heart Twshp | Starbuck |
| Lowry | Moltke Township | Otisco (U) | Salem Township | Stewart |
| Lura Township | Monroe Township | Otisco Township | Sand Creek Township | Stillwater |
| Luxemburg Township | Montevideo | Otsego | San Francisco Twshp | Stillwater Township |
| Lydia (U) | Monticello | Ottawa Township | Sartell | Stockholm Township |
| Lynden Township | Monticello Township | Owatonna | Sauk Rapids | |
| Lyra Township | Montrose | Owatonna Township | Sauk Rapids Twshp | |
| Madison Lake | Moorhead | Paxton Township | Savage | |
| Mahtomedi | Moorhead Township | Paynesville | Scandia | |

Northern States Power Company
Electric Utility - State of Minnesota

Docket No. E002/GR-19-564

| | |
|----------------------|----------------------|
| Stoneham Township | West Lakeland Twshp |
| Stony Run Township | West St. Paul |
| Sumter Township | West Union |
| Sunfish Lake | Westport |
| Sunrise (U) | Westport Township |
| Sunrise Township | Wheatland Township |
| Swedes Forest Twnshp | Wheeling Township |
| Taylor Falls | White Bear Lake |
| Tonka Bay | White Bear Lake Tshp |
| Tracy | White Bear Township |
| Trosky | Willemie |
| Tunsberg Township | Wilson Township |
| Tyrone Township | Wilton Township |
| Union Grove Twshp | Winona |
| Vadnais Heights | Winsted |
| Vermillion | Winsted Township |
| Vermillion Township | Witoka (U) |
| Veseli (U) | Wolverton |
| Victor Township | Wood Lake |
| Victoria | Wood Lake Township |
| Villard | Woodbury |
| Wabasha | Woodland |
| Waconia | Woodland Township |
| Waconia Township | Woodstock |
| Wacouta Township | Woodville Township |
| Waite Park | Wyoming |
| Wakefield Township | Young America Twshp |
| Walcott Township | Zion Township |
| Waldorf | Zumbro Falls |
| Waltham | Zumbrota |
| Waltham Township | Zumbrota Township |
| Wanamingo | |
| Wanamingo Township | |
| Warsaw (U) | |
| Warsaw Township | |
| Waseca | |
| Washington Lk Twshp | |
| Wasioja (U) | |
| Wasioja Township | |
| Watab Township | |
| Waterford Township | |
| Watertown | |
| Watertown Township | |
| Waterville | |
| Waterville Township | |
| Watkins | |
| Watopa Township | |
| Watson | |
| Waverly | |
| Wayzata | |
| Weaver (U) | |
| Webster (U) | |
| Webster Township | |
| Wegdahl (U) | |
| Wells Township | |
| West Concord | |

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

| | |
|-----------------|--------------|
| Katie J. Sieben | Chair |
| Dan Lipschultz | Vice Chair |
| Valerie Means | Commissioner |
| Matt Schuerger | Commissioner |
| John A. Tuma | Commissioner |

IN THE MATTER OF THE APPLICATION OF
NORTHERN STATES POWER COMPANY
FOR AUTHORITY TO INCREASE RATES FOR
ELECTRIC SERVICE IN THE STATE OF
MINNESOTA

DOCKET NO. E002/GR-19-564

**NOTICE AND PETITION
FOR INTERIM RATES**

INTRODUCTION

Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (“Xcel Energy” or the “Company”), submits to the Minnesota Public Utilities Commission (“Commission”) this Petition for Interim Rates (“Petition”) pursuant to Minn. Stat. § 216B.16 subds. 3 and 19, the Commission’s Statement of Policy on Interim Rates (“Statement of Policy”) dated April 14, 1982, and relevant Commission rules, and orders. With this Petition, we request the Commission set interim rates for 2020 and 2021 consistent with Minnesota Statute § 216B.16, subds. 3 and 19.

We are filing a three-year multi-year rate plan through which we are requesting to recover our capital and operating and maintenance expenses for 2020, 2021 and 2022. Our 2020 deficiency is driven by multiple factors, including our increased investments in renewable energy resources, investments in other core and supporting infrastructure, and declining sales.

We respectfully request Commission approval of our proposed interim rate increase of 4.06 percent, beginning January 1, 2020.¹ Our 2020 interim rate proposal is based on the test year revenue deficiency, with specific interim rate adjustments, that result

¹ All 2020 rate calculations provided in this Petition are based off of the Company’s compliance rates in Docket No. E,G999/CI-17-895.

in an interim revenue deficiency of approximately \$121.95 million compared to present revenues.

Additionally, due to the expected length of a multi-year rate proceeding, it is likely that final rates will be implemented in 2021. Therefore, consistent with Minn. Stat. §216B.19 (the “MYRP Statute), we also request an incremental interim rate increase of approximately \$143.98 million, beginning January 1, 2021.²

The remainder of this Petition is organized as follows:

- Overview - provides a high-level background on our multi-year rate plan.
- Interim Rate Request - explains further several of the key adjustments proposed in calculating our interim rates.
- Required Information - provides the information required by the Commission’s policy statements regarding interim rates.

I. OVERVIEW

In this case, we propose a three year multi-year rate plan (“MYRP Plan”) consisting of a traditional 2020 test year and 2021 and 2022 plan years reflecting our forecasted cost of service in each year. Our request results in final net revenue increases of \$201.4 million (6.5 percent) in 2020, an incremental \$146.4 million (4.8 percent) in 2021 and an incremental \$118.3 million (3.9 percent) in 2022, all based on 2020 present revenues. All revenue deficiencies are based on a 10.20 percent return on equity. We structured our MYRP Plan to be consistent with the MYRP Statute and with the Commission’s MYRP Order,³ as appropriate.

The MYRP Plan we propose allows us the opportunity to continue working with our customers, regulators and other stakeholders to move us further toward our goal of providing carbon-free energy to our customers, while improving the customer experience and continuing to provide safe, reliable and affordable energy service. By continuing our investment in our distribution and transmission systems we will promote continued reliability. By making investments in our nuclear plants and renewable resources, we continue to deliver carbon-free generation, consistent with

²Concurrent with this Petition, the Company has filed a Petition for Approval of True-Up Mechanisms (True-Up Petition). Should the Commission grant the True-Up Petition prior to January 1, 2020, the Company will withdraw this Petition and the associated general rate case.

³ See Docket No. E,G999/M-12-587, Order Establishing Terms, Conditions, and Procedures for Multiyear Rate Plans, June 17, 2013.

the expectations of our customers and policy makers. And by investing in our advanced grid initiative, we improve our ability to respond to customer expectations and provide the platform for increased reliability, efficiency and integration of renewable and distributed energy resources. Our MYRP Plan will also provide customers with improved price predictability, while providing the Company the time and space to manage its business and to engage in critical policy discussions with its stakeholders and pursue key policy initiatives informed by those discussions.

With our MYRP Plan, we are proposing to recover the costs of several projects currently recovered in either the TCR or RES Rider in base rates when final rates are implemented. During the interim rate period, these projects will remain in the TCR and RES Riders, where they have been recovered since construction of these projects began. We believe this a reasonable approach since (1) we employed a similar approach when we had to transfer significant capital investments from the Metro Emissions Reduction Project rider, the Renewable Energy Standard rider, and State Energy Policy rider to base rates, (2) continued rider recovery will result in a better matching of costs to recovery while ensuring against overlapping recovery of project costs, and (3) our interim rate request will be lower. Our MYRP Plan also assumes certain other capital investments either eligible for rider recovery or already in a rider will continue to be recovered through them.

In addition to full financial information supporting our three year MYRP Plan, we also provide forecast and cost of service information for 2023 and 2024, so that the Commission and parties have the benefit of this information in evaluating the reasonableness of a new MYRP for the Company and should parties choose to explore another four year MYRP.

II. INTERIM RATE REQUEST

As directed by the MYRP Statute, our interim rate request follows the traditional means of establishing interim rates for 2020.⁴ We also include an additional adjustment for our 2021 request. We include a complete list and discussion of the adjustments made to the 2020 test year and 2021 plan year to develop the interim rates for these years in the “Supporting Schedules and Workpapers” tab, Schedule B,

⁴ The amended MYRP Statute provides that “a utility that has filed a petition with the Commission to approve a multiyear rate plan may request to be allowed to implement interim rates for the first and second years of the multiyear plan.” Minn. Stat. §216B.16, subd. 19. Interim rates for multi-year rate plans must be implemented consistent with Minn. Stat. §216B.16, subd. 3 (Interim Rate Statute). The Interim Rate Statute provides that interim rates shall be calculated in a specific manner.

part 2. We note again that our rate request assumes the continued rider recovery treatment of certain other capital projects, currently proposed for recovery through our TCR or RES Rider during the pendency of this rate case. Therefore, we have not included these costs in our interim rate request and no adjustment is necessary for them.

We respectfully request that the Commission grant our interim rate request for both 2020 and 2021. Our request is consistent with the MYRP Statute and is built upon the lessons learned from our last two cases. In light of that, the Company proposes that any refunds that may be due to customers upon completion of this rate case be calculated consistent with the Commission's order in our last two rate cases, where 2020 interim rates would be compared against 2020 final rates and 2021 interim rates would be compared against 2021 final rates for the purposes of determining if refunds are due and, if so, in what amount.

A. 2020 Interim Rate Adjustments

1. Renewable Energy Standard (RES) Rider Roll-In

The Company is proposing to include in the final rates the rate base and cost components associated with certain renewable energy projects previously recovered through the RES Rider. Specifically, the Company proposes to roll into base rates Courtenay Wind Farm, Foxtail Wind Farm, Blazing Star I Wind Farm and Lake Benton Wind Farm, coincident with the implementation of Final Rates.⁵ However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the RES rate for 2020. The interim rate revenue requirement is being adjusted to remove these rate base and cost components associated with the roll in RES projects to eliminate any potential double recovery.

We have structured our rate request in this way to reduce the interim rate increase and mitigate any potential for overlapping recovery. This approach is consistent with the method used in Docket No. E002/GR-10-971, where we moved the Metropolitan Emission Reduction Project (MERP) costs recovered through the Environmental Improvement Rider (EIR) and the Nobles Wind, Grand Meadow Wind and Wind2Battery projects recovered through the RES Rider into base rates when final rates were implemented in that case. Company Witness Mr. Benjamin Halama discusses the impact of our request in his Direct Testimony.

⁵ The Company is also proposing that the RES Rider act as a true-up mechanism for the PTCs related to projects already in-service and included in base rates as a part of the 2020 test year cost of service.

2. Transmission Cost Recovery (“TCR”) Rider Roll In

The Company proposes to include in the general rate petition the rate base and cost components associated with certain transmission projects previously recovered through the TCR Rider, coincident with the implementation of Final Rates. Specifically, the Company proposes to roll into base rates three CapX2020 LaCrosse projects, CapX2020 Brookings, CapX2020 Fargo, Big Stone – Brookings, and LaCrosse - Madison projects from TCR Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the TCR Rider. The interim rate revenue requirement is being adjusted to remove the rate base and cost components associated with the roll in of TCR projects to eliminate any potential double recovery.

As with the RES Rider roll-in, we have structured our rate request in this way to reduce the interim rate increase and mitigate any potential for overlapping recovery. This approach is consistent with the method used in Docket No. E002/GR-10-971, where we moved the Metropolitan Emission Reduction Project (MERP) costs recovered through the Environmental Improvement Rider (EIR) and the Nobles Wind, Grand Meadow Wind and Wind2Battery projects recovered through the RES Rider into base rates when final rates were implemented in that case. Company Witness Mr. Benjamin Halama discusses the impact of our request in his Direct Testimony.

3. Return on Equity (“ROE”)

The Interim Rate Statute provides that a utility must calculate its interim rates based on “a rate of return on common equity for the utility equal to that authorized by the Commission in the utility’s most recent rate proceeding.”⁶ The Company is seeking a 10.20 percent return on equity as part of final rates. In Order Point 3 of Docket No. E002/M-17-797 the Commission ruled that Xcel must use an ROE of 9.06% in all electric dockets that require an ROE determination until the Commission issues an order in the Company’s next rate case authorizing a different ROE. This interim rate adjustment is the change in the cost of capital that results from using the currently proposed capital structure with the last authorized return on equity.

4. Aurora Deferral Expense Amortization Removal

The Company is requesting authorization to recover in the general rate petition a portion of the cost of the Aurora PPA disallowed by the South Dakota Public Utilities

⁶ Minn. Stat. § 216B.16, subd. 3(b)(1).

Commission (SDPUC), determined by the cost difference between the contracted PPA and an energy proxy price established by the SDPUC, over the two year period 2020 - 2021. The interim rate revenue requirement is being adjusted to remove the rate base and cost components associated with this deferral expense amortization request.

5. Railroad Island Solar Garden Removal

The Railroad Island solar garden project is an Energy Supply generation project. In its petition for approval of this project in Docket No. E002/M-17-527, the Company stated that it would “ensure the non-participating retail ratepayers do not pay for the proposed solar garden facility” and the Commission Order approving the project noted that the Company agreed “not to seek to recover the cost of the solar garden facility from its other ratepayers.” The interim rate revenue requirement is being adjusted to remove the rate base and cost components associated with this solar garden project.

6. Incentive Recovery Cap Reset to 15%

The Company is requesting authorization to recover in the general rate petition incentive costs up to 20% of an individual’s base pay. The Company has previously been ordered to limit the incentive pay included in base rates to 15% of base pay. This interim rate revenue requirement is being adjusted to remove the cost components for the difference between the 20% and 15%.

7. Environmental Incentive Removal

The Company is requesting authorization to recover in the general rate petition the long-term portion of incentive compensation related to environmental goals. The Company has previously denied recovery of any long-term incentive compensation. The interim rate revenue requirement is being adjusted to remove the cost components associated with the environmental portion of the long-term incentive.

8. Prairie Island Tribal Payments

The Company is proposing to assign in final rates the full amount of the annual Prairie Island Tribal Payment as had been ordered in Order Point 4a in Docket No. E002/M-03-1544. The Company inadvertently had allocated the Tribal Payments in Docket E002/GR-15-826 and the allocated values were included as such in the Settlement. This interim rate revenue requirement adjustment is removing the

incremental payment amount as if the payment was being allocated to other jurisdictions.

9. XES Allocation Labor Hours

The Company's proposed final rates include allocations of certain XES costs to operating companies based on a three-part general allocator that uses number of employees as one of the three factors. In prior rate proceedings, the number of employees factor was adjusted to use allocated labor hours with overtime. This interim rate revenue requirement adjustment replaces the cost allocation based on employees with the calculation of costs assigned using labor hours.

10. Lobbying Labor Update

During the Company's validation and review process, it was discovered that an isolated amount of lobbying labor was included in the general rate request and that a rebuttal adjustment was warranted. This interim rate revenue requirement is being adjusted to remove the lobbying labor.

11. Change in Accumulated Deferred Income Tax ("ADIT") Pro-Rate

The Company has included the impacts on the change in the ADIT pro-rate calculation in determining the final revenue requirement. The Company has determined ADIT balances are required to be pro-rated in accordance with IRS Section 1.167(l)-(1)(h)(6) for forward looking test years. Based on that determination, an adjustment was included in the general rate petition. In this Interim Petition, the Company has revised the logic that is used to calculate the ADIT proration of the annual deferred income tax activity to eliminate double averaging. This updated logic allows the Company to be in compliance with the IRS Section 1.167(l)-(1)(h)(6) while ultimately minimizing the impact of this proration requirement on ratepayers. This interim rate base adjustment records the change in the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

12. Change in the Net Operating Loss Calculation

The Company has included the impacts on the change in the Net Operating Loss (NOL) carried forward from prior years in the final revenue requirement. Because the Company has more tax deductions/credits than it can utilize in 2020, the unused tax deductions/credits need to be carried forward to a future period. The Company has

determined the value of the NOL and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate adjustment records the change in the NOL between the level calculated in the final revenue requirements and the interim cost of service.

13. Cash Working Capital

The amount of the Cash Working Capital rate base deduction increased for interim rates compared to the amount of Cash Working Capital included in the calculation of the final revenue requirement. The Cash Working Capital amount is determined by applying the various components of the lead/lag study to the test year revenue and expense amounts. Interim adjustments made to the income statement produced a net change in the overall Cash Working Capital requirement. This interim rate base adjustment records the change in Cash Working Capital between the level calculated in determining the final revenue requirement and the interim cost of service.

The Company also includes an adjustment that calculates the income statement impact of the change in cash working capital between the level included in calculating the final revenue requirement and the interim rate revenue requirement.

B. 2021 Interim Rate Adjustments

The Company has made the same Interim Rate Adjustments for 2021 as it made for 2020, as discussed in Schedule B.

III. REQUIRED INFORMATION

We provide the following information pursuant to the Commission Statement of Policy on Interim Rates and relevant Commission Rules.

1. Name, address, and telephone number of utility and attorneys (Policy Statement, Item 1, page 2)

Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401
(612) 330-5500

Ryan Long
Xcel Energy Services Inc.
414 Nicollet Mall (401-8th Floor)
Minneapolis, MN 55401
(612) 215-4663

Eric Swanson
Winthrop & Weinstine, P.A.
Suite 3500
225 South Sixth Street
Minneapolis, MN 55042
(612) 604-6511

**2. Date of filing and date proposed interim rates are requested to become effective
(Policy Statement, Item 2, page 2)**

The Petition is filed November 1, 2019. The Petition is submitted as part of the Company's Application for a general electric rate increase (the "Application"), which is also being filed on November 1, 2019. The Application is filed in accordance with the requirements of Minn. Stat. § 216B.16, subd. 3 and 19.

Pursuant to the Interim Rate Statute,⁷ Xcel Energy requests that, if the Commission suspends the operation of the general rate schedules that accompany the Application pursuant to Minn. Stat. § 216B.16, subd. 2, 2020 interim rates be made effective on January 1, 2020, with 2021 interim rates effective January 1, 2021. Interim rates would be subject to refund, pending final Commission determination on the general electric rate increases for each year.

**3. Description and need for interim rates
(Policy Statement, Item 3, page 2)**

The interim rate increases will apply to all of Xcel Energy's retail electric customers in the State of Minnesota. Interim rates are necessary for 2020 and 2021 because, over these two years, the Company projects an increase cost of service, as set forth in the Company's general rate Application. The Company therefore requests interim rate relief so that it may receive some of the increase in its cost of service in these years.

⁷ Minn. Stat. § 216B.16, subd. 3.

Our interim revenues are determined using the 2020 test year and 2021 plan year revenue requirements. We calculated our proposed interim rates consistent with Commission requirements and precedent.

As discussed in Section II, we propose the following adjustments to the 2020 interim revenue requirement:

- Renewable Energy Standard (RES) Rider Roll-In
- Transmission Cost Recovery (“TCR”) Rider Roll In
- Return on Equity (“ROE”)
- Aurora Deferral Expense Amortization Removal
- Railroad Island Solar Garden Removal
- Incentive Recovery Cap Reset to 15%
- Environmental Incentive Removal
- Prairie Island Tribal Payments
- XES Allocation Labor Hours
- Lobbying Labor Update
- Change in Accumulated Deferred Income Tax (“ADIT”) Pro-Rate
- Change in the Net Operating Loss Calculation
- Cash Working Capital

We propose the same adjustments to the 2021 interim revenue requirement.

For a full listing, quantification and discussion of the adjustments made to the 2020 test year and 2021 plan year, to develop the interim revenue requirements, see the “Interim Rate Supporting Schedules and Workpapers”, Schedule B, part 2.

Overall, our final rates, with our specific interim adjustments, result in interim revenue deficiencies of \$113.5 million and \$145.4 million, beginning January 1, 2021 in 2020 and 2021, respectively.

**4. Description and corresponding dollar amount of changes included in interim rates as compared with most current approved general rate case and with the most recent year for which audited data is available
(Policy Statement, Item 4, page 2)**

A comparison of the changes included in our requested interim rates for the multi-year rate plan along with a general description of the reasons for the changes, as compared with Xcel Energy's most recently approved electric rates (Docket No. EG999/CI-17-895), is included with the Petition as Schedule C, under the "Interim Rate Supporting Schedules and Workpapers" tab. A comparison of the changes included in the interim rates along with a general description of the reasons for the changes, as compared with 2018, the most recent year for which audited data is available, is included with the Petition as Schedule C.

**5. Effect of the interim rates expressed in gross revenue dollars and as a percentage of test year gross revenues
(Policy Statement, Item 5, page 2)**

The test year for Xcel Energy's general electric rate increase filing is the calendar year ending December 31, 2020. The 2021 plan year for Xcel Energy's general electric rate increase filing is the calendar year ending December 31, 2021. Our interim rates revenue requests are determined using the 2020 test year and 2021 plan year revenue requirements.

Xcel Energy requests a 2020 interim rate adjustment that will increase Xcel Energy's base rate revenues by \$113.5 million, or 3.76 percent, above the test year gross revenues and an incremental 2021 interim rate adjustment that will increase Xcel Energy's base rate revenues by an additional \$145.4 million or an incremental 4.9 percent above the test year gross revenues (both 2020 and 2021 numbers calculated pursuant to this Commission Policy Statement). To collect these deficiencies, an interim rate adjustment will be uniformly billed as a 5.26 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2020 and another incremental 6.9 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2021. As has been the case with our prior rate cases, the difference in percent results from the unbundling of fuel costs approved in our 2005 rate case (Docket No. E002/GR-05-1428). Schedule 1 under the "Interim Tariff Sheets" tab shows the derivation of the proposed interim rate adjustments.

As we did in our most recent General Rate Case (Docket No. E002/GR-15-826), the proposed Interim Tariffs list the specific rate elements to which the interim rate

increases apply. The Interim Rate Surcharge Rider, Section No. 5, 13th Revised Sheet No. 94, lists those changes to which the interim rate increase for 2020 and 2021 applies and lists those rate riders to which the interim rate increase does not apply.

Because the interim rate adjustments will not apply to certain rate riders and charges, higher interim rate percent increases are required to collect the interim revenue deficiency.

Xcel Energy proposes that a uniform percentage equal to the proposed interim rate increases needed to recover the interim revenue deficiencies be applied to all the base rate elements listed in the Interim Rate Surcharge Rider.

**6. Certification by Chief Executive Officer
(Policy Statement, Item 6, page 2)**

This Petition contains a certificate signed by Christopher B. Clark, President, Northern States Power Company, a Minnesota corporation, affirming that this interim rate Petition complies with Minnesota Statutes. This certificate follows this Petition for Interim Rates in the Application and Interim Volume.

**7. Methods and procedures for refunding
(Minn. Stat. § 216B.16, subd. 3)**

Pursuant to Minn. Stat. § 216B.16, subd. 3, Xcel Energy's Agreement and Undertaking to make appropriate refunds if required is contained in the Application and Interim Volume. The Company acknowledges it is proposing a MYRP which will cover a three year period. We do not believe timing will be an issue, given the experience gained with refunding interim rates as part of our two most recent electric rate cases which also presented multi-year rate requests. For that reason, we are proposing to use the refund methods we used in those prior electric rate cases.

**8. Signature and title of the utility officer authorizing the
proposed interim rates
(Policy Statement, Item 7, page 2)**

The Petition is signed on behalf of Xcel Energy by Christopher B. Clark, President of the Company.

**9. Supporting schedules and workpapers
(Policy Statement, Items 1 4, page 3)**

The requested schedules and workpapers described in the Commission's Policy Statement are included with this Petition under the tab marked "Interim Rate

Supporting Schedules and Workpapers” of the Application and Interim Volume. These schedules include the rate base amounts; income statement amounts; revenue deficiencies; capital structures and rates of return required for interim rates as compared to the same information for Xcel Energy’s general rate increase Application; and a comparison to both the allowed amounts in Docket No. E002/GR-15-826 and the most recent actual year 2018.

**10. Interim rate schedules, Revenue rate comparisons
(Minn. R. 7825.3600)**

The rate schedules containing proposed interim rates are included along with the Petition under the tab marked “Interim Tariff Sheets.” Consistent with Minn. Stat. § 216B.16, subd. 3, no change has been made in the existing rate design. A uniform percentage equal to the proposed interim rate increase needed to recover the interim revenue deficiency from base rates, exclusive of fuel costs and certain riders, has been applied to all margin categories except those discussed in Section III. 5. of this Petition (above). Also included behind the proposed Interim Tariff Sheets tab is Schedule 2, which provides the interim revenue impacts.

**11. Customer notice
(Minn. R. 7829.2400, subp. 3; Minn. Stat. § 216B.16, subd. 1)**

Pursuant to Minn. R. 7829.2400, subp. 3, and Minn. Stat. § 216B.16, subd. 3, Xcel Energy proposes to send a notice to its retail electric customers and to the counties and municipalities it serves in Minnesota. In addition, Xcel Energy will publish a display advertisement in the newspapers of general circulation in all county seats in its Minnesota electric service territory. Pursuant to Minn. Stat. § 216B.16, subd. 1, the proposed notice to customers, counties and municipalities, along with a mailing list of affected governing bodies, are included in this filing and can be found after the Notice of Change in Rates in the Application and Interim Volume. The display advertisement will replicate the notice to the counties and municipalities, and will describe the rate schedules applicable to various customer classes.

12. Interim Bills

The Commission’s Policy Statement on Interim Rates suggests that changes in interim rates be shown on customer bills as a separate line item “if practical.” The interim rate amount will be shown as a separate line item stated as “Interim Rate Adjustment,” and will reflect the total amount of the interim charge applied to the bill.

CONCLUSION

Xcel Energy respectfully requests, if the Commission suspends the operation of the general rate schedules that accompany the Application pursuant to Minn. Stat. § 216B.16, subd. 2, and located in Volume 2F of the Application, that the proposed interim rates for the 2020 test year be made effective on January 1, 2020 and for the 2021 plan year be made effective on January 1, 2021, with both subject to refund, pending final Commission action on the Company's general electric rate increase Application.

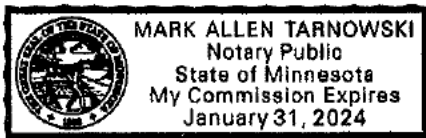
Dated: November 1, 2019

Respectfully submitted,



Christopher B. Clark
President
Northern States Power Company, a Minnesota corporation

Subscribed and sworn to before
me this 31ST day of October, 2019


Notary Public

(cover)

Xcel Energy Minnesota Electric Prices

Interim Change in Electric Rates Starting January 1, 2020

Until Final Decision is Made

(Inside Text)

Xcel Energy's Rate Increase Request

Xcel Energy has asked the Minnesota Public Utilities Commission (MPUC) for a three-year increase in electricity rates. For 2020, the requested increase is for \$202 million, or about 6.5 percent. For 2021, Xcel Energy requested an additional \$146 million, or about 4.8 percent. For 2022, Xcel Energy requested an additional \$118 million, or about 3.9 percent. The total increase requested for the three-year period is \$466 million, or about 15.2 percent.

While the MPUC reviews Xcel Energy's request, state law allows Xcel Energy to collect higher rates on an interim (temporary) basis. The interim rate increase for 2020 is \$122 million or 4.06 percent over total current rates. This appears on customer bills as an interim rate adjustment. It is calculated from a percent charge to only base rates that include the "Basic Service Charge," "Energy Charge," and, if applicable, the "Demand Charge." The interim rate does not apply to charges for fuel and cost recovery riders. The interim rate adjustment is billed as a 5.65 percent increase, or \$3.61 per month, for a typical residential customer using 600 kWh.

Because Xcel Energy is requesting a multi-year rate plan, it also requested an increase to the interim starting January 1, 2021. If approved, the company will provide additional details before this increase happens.

The MPUC will likely make its decision on the overall rate request in 2021. If final rates are lower than interim rates, Xcel Energy will refund the difference. If final rates are higher than interim rates, Xcel Energy will not charge customers the difference.

Why is Xcel Energy asking for an increase?

Xcel Energy's last request for a rate increase was in 2015. Xcel Energy continues to invest in maintaining and upgrading its system. A multi-year rate plan provides customers more predictability and rate stability for a longer period of time than is achievable under a since year rate request.

How will the rate change affect monthly bills?

The proposed rate increase will affect individual monthly bills differently depending on electricity use and customer type. The proposed rate increase mainly affects the “Basic Service Charge,” “Energy Charge,” and, if applicable, the “Demand Charge.” These charges cover the cost of providing electric service to our customers, representing about 70 percent of your total bill. This rate increase does not affect the Fuel Cost Charge.

Proposed Changes for Monthly Electricity Base Rates

This chart shows the current and proposed electricity base rates for each customer type.

Average Monthly Bills

| Customer type | Average monthly kWh usage | Current monthly cost | Interim monthly increase | Proposed 2020 monthly increase | Proposed 2021 monthly increase | Proposed 2022 monthly increase |
|--|---------------------------|----------------------|--------------------------|--------------------------------|--------------------------------|--------------------------------|
| Residential - Overhead line service | 516 | \$73.83 | \$3.16 | \$4.98 | \$9.01 | \$12.32 |
| Residential - Underground line service | 754 | \$106.20 | \$4.53 | \$6.58 | \$12.47 | \$17.32 |
| Energy-Controlled (Dual Fuel) | 1,083 | \$90.97 | \$3.03 | \$2.34 | \$8.71 | \$13.52 |
| Small General Service | 846 | \$109.39 | \$4.51 | \$8.47 | \$14.12 | \$18.37 |
| Small General Time-of-Day Service | 1,127 | \$130.01 | \$5.12 | \$8.99 | \$15.44 | \$20.57 |
| General Service | 15,642 | \$1,670.16 | \$64.57 | \$92.35 | \$164.08 | \$220.82 |
| General Time-of-Day Service | 131,393 | \$11,443.63 | \$407.67 | \$640.83 | \$1,124.65 | \$1,513.93 |
| Peak-Controlled Service | 64,756 | \$8,338.47 | \$338.27 | \$445.06 | \$833.83 | \$1,134.71 |
| Peak-Controlled Time-of-Day Service | 602,250 | \$61,368.20 | \$2,316.38 | \$3,356.04 | \$6,156.75 | \$8,364.76 |
| Small Municipal Pumping | 638 | \$84.95 | \$3.54 | \$6.76 | \$11.01 | \$14.22 |
| Municipal Pumping | 8,828 | \$1,074.95 | \$43.37 | \$58.07 | \$103.88 | \$139.70 |

Monthly Customer Charges

| Customer type | Current | Proposed |
|-------------------------------------|---------|----------|
| Residential | | |
| Overhead line | \$8.00 | \$9.50 |
| Overhead line - electric heating | \$10.00 | \$11.50 |
| Underground line | \$10.00 | \$11.50 |
| Underground line - electric heating | \$12.00 | \$13.50 |
| Small Commercial | | |
| Small General | \$10.00 | \$11.50 |
| Small General Time-of-Day | \$12.00 | \$13.50 |
| Commercial and Industrial | | |
| General | \$25.64 | \$27.00 |
| General Time-of-Day | \$29.64 | \$31.00 |
| Peak-Controlled | \$55.00 | \$60.00 |
| Peak-Controlled Time-of-Day | \$55.00 | \$60.00 |

Energy (per kWh) and Demand (per kW) Rates

| Customer type | Current | Proposed 2020 | Proposed 2021 | Proposed 2022 |
|-----------------------------------|----------|---------------|---------------|---------------|
| Residential | | | | |
| Energy: Summer (June-September) | 10.301 ¢ | 11.577 ¢ | 12.374 ¢ | 13.020 ¢ |
| Energy: Winter (Other months) | 8.803 ¢ | 9.985 ¢ | 10.722 ¢ | 11.322 ¢ |
| Energy: Winter - electric heating | 5.988 ¢ | 6.789 ¢ | 7.358 ¢ | 7.811 ¢ |
| Small General | | | | |
| Energy: Summer | 9.256 ¢ | 10.589 ¢ | 11.273 ¢ | 11.780 ¢ |
| Energy: Winter | 7.757 ¢ | 8.998 ¢ | 9.621 ¢ | 10.081 ¢ |
| Small General Time-of-Day | | | | |
| Energy: On-Peak Summer | 14.880 ¢ | 16.786 ¢ | 17.846 ¢ | 18.554 ¢ |
| Energy: On-Peak Winter | 11.723 ¢ | 13.442 ¢ | 14.374 ¢ | 14.984 ¢ |
| Energy: Off-Peak | 4.170 ¢ | 4.958 ¢ | 5.300 ¢ | 5.624 ¢ |
| General | | | | |
| Energy | 3.407 ¢ | 3.948 ¢ | 4.211 ¢ | 4.430 ¢ |
| Demand: Summer | \$14.79 | \$16.54 | \$17.09 | \$17.54 |
| Demand: Winter | \$10.49 | \$12.04 | \$12.59 | \$12.93 |
| General Time-of-Day | | | | |
| Energy: On-Peak | 4.855 ¢ | 5.611 ¢ | 5.984 ¢ | 6.296 ¢ |
| Energy: Off-Peak | 2.341 ¢ | 2.737 ¢ | 2.919 ¢ | 3.071 ¢ |
| Demand: Summer | \$14.79 | \$16.54 | \$17.09 | \$17.54 |
| Demand: Winter | \$10.49 | \$12.04 | \$12.59 | \$12.93 |

Note: Proposed lighting rate changes vary according to the type of lighting. The proposed final increase is 14.6 percent for full service street lighting, 2.1 percent for energy-only street lighting service, and 6.3 percent for residential and commercial protective lighting.

What Is Xcel Energy doing to control costs?

- Provide energy conservation options. This helps customers manage energy use and save money on their bills. This also helps to delay generation investments.
- Reviewing and monitoring our business to minimize operating and maintenance cost increases.
- Operating power plants efficiently.
- Using a variety of fuel sources to manage costs and protect the environment.

What Is the Process for Reviewing Xcel Energy's Request?

The MPUC, the Minnesota Department of Commerce (DOC), the Office of the Attorney General-Residential Utilities and Antitrust Division, public interest groups, and large commercial and industrial customer groups will investigate our proposal.

The MPUC will hold public hearings and accept written comments about our rate request. Customers and others will be able to comment on our rate request at the public hearings. You may add verbal comments, written comments, or both into the record. Notice of the public hearing dates and locations will be published in local newspapers, included in monthly bills, and at:

www.xcelenergy.com/rates (“Minnesota” in top right-hand), select “Filings” and then “Minnesota 2020 Electric Rate Case.”

How to Learn More

Xcel Energy's current and proposed rate schedules are available at:

Xcel Energy

Web: xcelenergy.com/rates (see previous instructions)

Phone: 800-895-4999

414 Nicollet Mall

Minneapolis, MN 55401

Minnesota Department of Commerce

Web: <https://www.edockets.state.mn.us/EFiling/search.jsp>

Select 19 in the year field, enter 564 in the number field, click on Search, and the list of documents will appear on the next page.

Phone: 651-539-1500 or 800-657-3782

85 Seventh Place East, Suite 280

St. Paul, MN 55101

Citizens with hearing or speech disabilities may call through their preferred Telecommunications Relay Service.

Submit Comments**Minnesota Public Utilities Commission**

Online: Visit mn.gov/puc/consumers/speak-up, select Speak Up!, find this docket (19-564), and add your comments to the discussion.

U.S. Mail: 121 7th Place East, Suite 350, St. Paul, MN 55101

Phone: 651-296-0406 or 1-800-657-3782

1. The specific issues that concern you
2. Any knowledge you have about the issues
3. Your specific recommendation
4. The reason for your recommendation

Important

Comments will be made available to the public on the MPUC's website, except in limited circumstances consistent with the Minnesota Government Data Practices Act. The MPUC does not edit or delete personally identifying information from submissions.

xcelenergy.com

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STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

| | |
|-----------------|--------------|
| Katie J. Sieben | Chair |
| Dan Lipschultz | Vice Chair |
| Valerie Means | Commissioner |
| Matt Schuerger | Commissioner |
| John A. Tuma | Commissioner |

IN THE MATTER OF THE APPLICATION OF
NORTHERN STATES POWER COMPANY FOR
AUTHORITY TO INCREASE RATES FOR
ELECTRIC SERVICE IN MINNESOTA

DOCKET NO. E002/GR-19-564 &
E002/GR-19-658 (HC)

AGREEMENT AND UNDERTAKING

Northern States Power Company, doing business as Xcel Energy, in conjunction with the Notice and Petition for Interim Rates filed with the Minnesota Public Utilities Commission makes the following unqualified agreement concerning refunding any portion of the requested increase in rates determined by the Commission to be unreasonable.

Pursuant to Minn. R. 7825.3300, Xcel Energy hereby agrees and undertakes to refund to its customers the amount, if any, collected during the interim rate period, plus interest at the current rate as determined by the Commission, computed from the effective date of the interim rates through the date of refund. The refund shall be made in accordance with Minn. Stat. § 216B.16, subd. 3, and in a manner approved by the Commission.

In addition, Xcel Energy agrees to keep such records of sales and billings under the proposed interim rates as will be necessary to compute any potential refund.

This Agreement and Undertaking is made pursuant to authority granted by the Board of Directors of Northern States Power Company.

Dated: November 1, 2019

By: _____

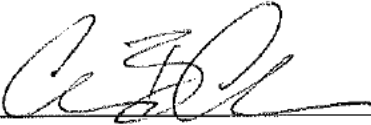


CHRISTOPHER B. CLARK
PRESIDENT, NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION

CERTIFICATION

As required by the Minnesota Public Utilities Commission's Statement of Policy on Interim Rates dated April 14, 1982, I hereby certify and affirm that the petition of Northern States Power Company for approval of Proposed Interim Rates and Final Rates is in compliance with Minnesota Statutes.

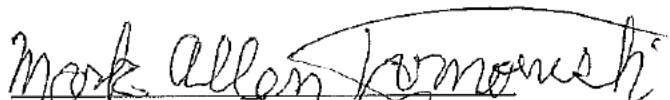
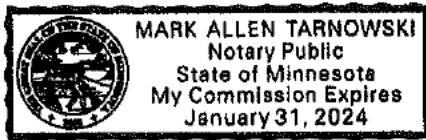
Dated: November 1, 2019



CHRISTOPHER B. CLARK

PRESIDENT, NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION

Subscribed and sworn to before
me this 28th day of October, 2019


Notary Public

2020 INTERIM RATE PETITION SCHEDULES SUPPORTING SCHEDULES AND WORKPAPERS

The Minnesota Public Utilities Commission (the “Commission”), in its Statement of Policy on Interim Rates, encourages any regulated company seeking interim rates to submit to the Commission an interim rate petition as part of its general rate case filing. The interim rate petition should include a cover letter and supporting schedules. The supporting schedules should include the following:

- 1) A schedule showing the interim rate of return calculation. This schedule should show the capital structure and rate of return calculation approved by the Commission in the most recent general rate case; the capital structure and rate of return calculation proposed for interim rates; and a description and corresponding dollar amount of any changes between the two capital structures.

Note:

Schedule C, Part 4 of 4 of this volume contains this information.

- 2) A schedule showing the interim operating income statement. This schedule should show the same operating income statement accounts as filed in the general rate case. Also, the schedule should include the operating income statement approved by the Commission in the most recent general rate case; the equivalent operating income statement corresponding with the most recent actual year for which audited data is available and corresponding with the same period in months as the test year, if the test year is a projected year; and the operating income statement proposed for interim rates. A description of all changes and corresponding dollar amounts between each of the operating income statements should be provided. Work papers should be provided which show how revenues, AFUDC, taxes, expenses, and other income statement components have been determined.

Notes:

Schedule C, Part 2 of 4 of this volume compares the operating income statement approved by the Commission in the most recent general rate case with the income statement for the proposed interim test year, including a description of all changes and corresponding dollar amounts.

Schedule D, part 2 of 3 of this volume compares the operating income statements for the most recent actual year, not adjusted for normal weather, for which audited data is available with the income statement for the test year, as adjusted, for interim rates, including a description of all changes and corresponding dollar amounts.

Schedule E, part 2 of 3 of this volume compares the operating income statement approved by the Commission in the most recent general rate case with the operating income statement for the most recent actual year, not adjusted for normal weather, for which audited data is available, including a description of all changes and corresponding dollar amounts.

Although the Commission's Statement of Policy does not require regulated companies to do so, Xcel Energy has included as Schedule B, Part 2 of 3 of this volume, a comparison of the operating income statement for this general rate case filing with the income statement for the proposed interim test year, including a description of all changes and corresponding dollar amounts.

Work papers for the above Interim Rate Petition Schedules are located in Volume 4 of this filing.

- 3) A schedule showing the interim proposed rate base. This schedule should show the same rate base accounts as filed in the general rate case. This schedule should include the average rate base approved by the Commission in the most recent general rate case; the equivalent average rate base corresponding with the most recent actual year for which audited data is available and corresponding with the same period in months as the test year, if the test year is a projected test year; and the average rate base proposed for interim rates. A description of all changes and corresponding dollar amounts between each of the rate bases should be provided. Work papers should be provided which show how the rate base components have been determined.

Notes:

Schedule C, Part 1 of 4 of this volume compares the average rate base approved by the Commission in the most recent general rate case with the average rate base proposed for interim rates, including a description of all changes and corresponding dollar amounts.

Schedule D, Part 1 of 3 of this volume compares the average rate base for the most recent actual year for which audited data is available with the average rate base proposed for interim rates, including a description of all changes and corresponding dollar amounts.

Schedule E, Part 1 of 3 of this volume compares the average rate base approved by the Commission in the most recent general rate case with average rate base for the most recent actual year for which audited data is available, including a description of all changes and corresponding dollar amounts.

Although not required by the Commission's Policy Statement, Xcel Energy has included as Schedule B, Part 1 of 3 of this volume, a comparison of the average rate base for this general rate case filing with the average rate base for the proposed interim test year, including a description of all changes and corresponding dollar amounts.

Work papers for the above Interim Rate Petition Schedules are located in Volume 4 of this filing.

- 4) A schedule showing revenue deficiency calculations for each of the operating income statements and rate bases requested in (2) and (3) above. The revenue deficiency should be calculated for the actual data and the interim data using the rate of return calculated in (1) above.

Notes:

Schedule C, Part 3 of 4 of this volume shows the revenue deficiency calculations for the most recent general rate case and for the proposed interim rates.

Schedule D, Part 3 of 3 of this volume shows the revenue deficiency calculations for the most recent actual year for which audited data is available and for the proposed interim rates.

Schedule E, Part 3 of 3 of this volume shows the revenue deficiency calculations for the 2019 test year from Docket No. E,G999/CI-17-895 from most recent general rate case and the most recent actual year for which audited data is available.

Although not required by the Commission's Policy Statement, Xcel Energy has included as Schedule B, Part 3 of 3 of this volume, the revenue deficiency calculations for this general rate case filing and for the proposed interim rates.

Note on Rounding:

The cost of service study on which these supporting schedules are based rounds numbers to the nearest thousand for display purposes. However, the subtotals and subsequent totals in the cost of service study are based on actual values resulting in occasional differences in the totals displayed and the sum of the line items. These supporting schedules were prepared using individual line items with subtotals and totals calculated on each schedule. This results in occasional differences between the subtotals and totals on the cost of service study and those on the supporting schedules.

DEFINITIONS

The following definitions have been used in this filing:

Proposed Interim Test Year

The proposed interim test year information is for the calendar year ending December 31, 2020 and includes the effect of rate making adjustments.

General Rate Case Filing

The general rate case filing information represents the budgets developed for the 2020 calendar year and includes the effects of rate making adjustments.

Most Recent General Rate Case

This information represents the financial data for the calendar test year ending December 31, 2019, (the 2019 illustrative test year) from Northern States Power Company's last Minnesota electric rate case (Docket No. E002/GR-15-826), as restated in Docket E,G999/CI-17-895 and approved by the Commission.

2018 Test Year from Docket No. E,G999/CI-17-895

This information represents the 2018 only financial data for the calendar test year ending December 31, 2018, (the 2018 illustrative test year) from Northern States Power Company's last Minnesota electric rate case (Docket No. E002/GR-15-826), as restated in Docket E,G999/CI-17-895 and approved by the Commission.

Most Recent Actual Year

This information represents actual financial information for the calendar year ended December 31, 2018. The financial information is not adjusted to project results that may result under normal weather heating and cooling conditions.

Northern States Power Company
Electric Utility - State of Minnesota
2020 INTERIM RATE SCHEDULE
SUMMARY OF REVENUE REQUIREMENTS
(\$000's)

Docket No. E002/GR-19-564
Schedule A
Part 1 of 3
Page 1 of 1

| <u>Line No.</u> | <u>Description</u> | <u>2020 Interim Rate Petition Present Rates</u> |
|-----------------|---|---|
| 1 | Average Rate Base | \$7,795,574 |
| 2 | Operating Income | \$415,938 |
| 3 | Allowance for funds used during construction | \$28,818 |
| 4 | Total Available for Return | \$444,756 |
| 5 | Overall Rate of Return (Line 4 / Line 1) | 5.71% |
| 6 | Required Rate of Return | 6.82% |
| 7 | Required Operating Income (Line 1 x Line 6) | \$531,658 |
| 8 | Income Deficiency (Line 7 - Line 4) | \$86,902 |
| 9 | Gross Revenue Conversion Factor | 1.40335 |
| 10 | Revenue Deficiency (Line 8 x Line 9) | \$121,954 |
| 11 | Retail Related Revenues Under Present Rates | \$3,005,682 |
| 12 | Percentage Increase Needed in Overall Revenue (Line 10 / Line 11) | 4.06% |

**Northern States Power Company
Electric Utility - State of Minnesota
2020 INTERIM RATE SCHEDULE
STATEMENT OF OPERATING INCOME
(\$000's)**

**Docket No. E002/GR-19-564
Schedule A
Part 2 of 3
Page 1 of 1**

| Line No. | Description | 2020 Interim Rate Petition Present Rates |
|---------------------|--|---|
| | <u>Operating Revenues</u> | |
| 1 | Retail | \$3,005,188 |
| 2 | Interdepartmental | 494 |
| 3 | Other Operating | 544,510 |
| 4 | Total Operating Revenues | \$3,550,192 |
| | <u>Expenses</u> | |
| | Operating Expenses: | |
| 5 | Fuel and Purchased Energy | \$937,629 |
| 6 | Power Production | 593,003 |
| 7 | Transmission | 255,621 |
| 8 | Distribution | 114,249 |
| 9 | Customer Accounting | 48,973 |
| 10 | Customer Service & Information | 105,520 |
| 11 | Sales, Econ Dvlp & Other | (6) |
| 12 | Administrative & General | 240,404 |
| 13 | Total Operating Expenses | \$2,295,393 |
| 14 | Depreciation | \$633,851 |
| 15 | Amortizations | \$41,978 |
| | Taxes: | |
| 16 | Property | \$162,244 |
| 17 | Deferred Income Tax & ITC | (132,021) |
| 18 | Federal & State Income Tax | 105,584 |
| 19 | Payroll & Other | 27,226 |
| 20 | Total Taxes | \$163,032 |
| 21 | Total Expenses | \$3,134,254 |
| 22 | Operating Income | 415,938 |
| 23 | Allowance for Funds Used During Construction | \$28,818 |
| 24 | Total Operating Income | \$444,756 |

Note: Revenues reflect calendar month sales.

Northern States Power Company
 Electric Utility - State of Minnesota
 2020 INTERIM RATE SCHEDULE
 DETAILED RATE BASE COMPONENTS
 (\$000's)

Docket No. E002/GR-19-564
 Schedule A
 Part 3 of 3
 Page 1 of 1

| Line No. | <u>Description</u> | <u>2020 Interim Rate Petition Present Rates</u> |
|-------------|---|---|
| | Electric Plant as Booked | |
| 1 | Production | \$10,412,390 |
| 2 | Transmission | 2,370,447 |
| 3 | Distribution | 3,883,261 |
| 4 | General | 940,411 |
| 5 | Common | 750,280 |
| 6 | TOTAL Utility Plant in Service | <u>18,356,790</u> |
| | Reserve for Depreciation | |
| 7 | Production | \$6,281,918 |
| 8 | Transmission | 641,868 |
| 9 | Distribution | 1,446,041 |
| 10 | General | 459,927 |
| 11 | Common | 334,261 |
| 12 | TOTAL Reserve for Depreciation | <u>9,164,016</u> |
| | Net Utility Plant in Service | |
| 13 | Production | \$4,130,472 |
| 14 | Transmission | 1,728,578 |
| 15 | Distribution | 2,437,219 |
| 16 | General | 480,484 |
| 17 | Common | 416,019 |
| 18 | Net Utility Plant in Service | <u>9,192,774</u> |
| 19 | Utility Plant Held for Future Use | \$0 |
| 20 | Construction Work in Progress | \$362,722 |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,019,029 |
| 22 | Cash Working Capital | (\$119,418) |
| | Other Rate Base Items: | |
| 23 | Materials and Supplies | \$153,932 |
| 24 | Fuel Inventory | 65,875 |
| 25 | Non-Plant Assets & Liabilities | 60,475 |
| 26 | Prepayments and Other Working Capital | 98,245 |
| 27 | Total Other Rate Base Items | 378,525 |
| 28 | Total Average Rate Base | <u><u>7,795,574</u></u> |

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO GENERAL RATES
DETAILED RATE BASE COMPONENTS
(\$000's)

Docket No. E002/GR-19-564
Schedule B
Part 1 of 3
Page 1 of 4

| Line No. | Description | 2020 General Rate Case Filing (A) | 2020 Interim Rate Petition Present Rates (B) | Change (C) = (B) - (A) |
|-----------------|---|--|---|-------------------------------|
| | Electric Plant as Booked | | | |
| 1 | Production | \$11,115,442 | \$10,412,390 | (\$703,052) |
| 2 | Transmission | 3,268,599 | 2,370,447 | (898,152) |
| 3 | Distribution | 3,883,261 | 3,883,261 | - |
| 4 | General | 940,887 | 940,411 | (476) |
| 5 | Common | 750,280 | 750,280 | - |
| 6 | TOTAL Utility Plant in Service | \$19,958,469 | \$18,356,790 | (\$1,601,679) |
| | Reserve for Depreciation | | | |
| 7 | Production | \$6,326,757 | \$6,281,918 | (\$44,839) |
| 8 | Transmission | 728,387 | 641,868 | (86,518) |
| 9 | Distribution | 1,446,041 | 1,446,041 | - |
| 10 | General | 459,973 | 459,927 | (46) |
| 11 | Common | 334,261 | 334,261 | - |
| 12 | TOTAL Reserve for Depreciation | \$9,295,420 | \$9,164,016 | (\$131,404) |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,788,685 | \$4,130,472 | (\$658,213) |
| 14 | Transmission | 2,540,212 | 1,728,578 | (811,633) |
| 15 | Distribution | 2,437,219 | 2,437,219 | - |
| 16 | General | 480,914 | 480,484 | (430) |
| 17 | Common | 416,019 | 416,019 | - |
| 18 | Net Utility Plant in Service | \$10,663,050 | \$9,192,774 | (\$1,470,276) |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$363,989 | \$362,722 | (\$1,266) |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,301,002 | \$2,019,029 | (\$281,973) |
| 22 | Cash Working Capital | (\$119,149) | (\$119,418) | (\$269) |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$153,932 | \$153,932 | \$0 |
| 24 | Fuel Inventory | 65,875 | 65,875 | - |
| 25 | Non-Plant Assets & Liabilities | 60,475 | 60,475 | - |
| 26 | Prepayments and Other Working Capital | 99,733 | 98,245 | (1,488) |
| 27 | Total Other Rate Base Items | \$380,013 | \$378,525 | (\$1,488) |
| 28 | Total Average Rate Base | \$8,986,901 | \$7,795,574 | (\$1,191,326) |

**COMPARISON OF PROPOSED 2020 INTERIM RATES
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

A bridge schedule from the General Rate Petition rate base to the Interim Rate Petition rate base is provided on Schedule B, Part 1 of 3, Page 4 of 4.

Renewable Energy Standard (RES) Rider

The Company is proposing to include in the general rate petition the rate base components associated with certain wind projects previously recovered through the RES Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the RES Rider. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the roll in RES projects to eliminate any potential double recovery.

Transmission Cost Recovery (TCR) Project Roll-In Removal.

The Company is proposing to include in the general rate petition the rate base components associated with certain transmission projects previously recovered through the TCR Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the TCR Rider. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the roll in TCR projects to eliminate any potential double recovery.

Aurora Deferral Expense Amortization Removal.

The Company is requesting authorization to recover in the general rate petition the cost difference between the contracted PPA and the energy proxy price over the two year period 2020 - 2021. The interim rate revenue requirement is being adjusted to remove the rate base components associated with this deferral expense amortization request.

Railroad Island Solar Garden Removal.

The Railroad Island solar garden project is an Energy Supply generation project. In its petition for approval of this project in Docket No. E002/M-17-527, the Company stated that it would “ensure the non-participating retail ratepayers do not pay for the proposed solar garden facility” and the

Commission Order approving the project noted that the Company agreed “not to seek to recover the cost of the solar garden facility from its other ratepayers.” This interim adjustment removes the rate base components associated with this solar garden project.

Change in the Accumulated Deferred Income Tax (ADIT) Pro-Rate.

The Company has included the impacts on the change in the ADIT pro-rate calculation in determining the final revenue requirement. The Company has determined ADIT balances are required to be pro-rated in accordance with IRS Section 1.167(l)-(1)(h)(6) for forward looking test years, as such, an adjustment was included in the general rate petition. In this Interim Petition, the Company has revised the logic that is used to calculate the ADIT proration of the annual deferred income tax activity to eliminate double averaging. This updated logic allows the Company to be in compliance with the IRS Section 1.167(l)-(1)(h)(6) while ultimately minimizing the impact of this proration requirement on ratepayers. This interim rate base adjustment records the change in the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation.

The Company has included the impacts on the change in the Net Operating Loss (NOL) carried forward from prior years in determining the final revenue requirement. Because the Company has more tax deductions than it can utilize in 2020, the unused tax deductions need to be carried forward to a future period. The Company has determined the value of the NOL and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate base adjustment records the change in the NOL between the level calculated in determining the final revenue requirement and the interim cost of service.

Cash Working Capital

The amount of the Cash Working Capital rate base deduction increased for interim rates compared to the amount of Cash Working Capital included in the calculation of the final revenue requirement. The Cash Working Capital amount is determined by applying the various components of the lead/lag study to the test year revenue and expense amounts. Interim adjustments made to the income statement produced a net change in the overall Cash Working Capital requirement. This interim rate base adjustment records the change in Cash Working Capital between the level calculated in determining the final revenue requirement and the interim cost of service.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2020 INTERIM RATES TO GENERAL RATES
 DETAILED RATE BASE COMPONENTS
 (\$000's)

| Line No. | Description | 2020 General Rate Case Filing (1) | Interim Adjustments | | | | Secondary Calculations | | | 2020 Interim Rate Petition Present Rates (1) |
|-----------------------|---|-----------------------------------|-------------------------|-------------------------|--------------------|-----------------------------|------------------------|-------------|--------------------------|--|
| | | | RES Roll In Removal (2) | TCR Roll In Removal (3) | Aurora Removal (4) | Railroad Island Removal (5) | ADIT Pro-Rate Adj (6) | NOL Adj (7) | Cash Working Capital (8) | |
| 1 | Utility Plant in Service | \$19,958,469 | (\$728,096) | (\$872,874) | | | | | | \$18,356,790 |
| 2 | Less: Reserve for Depreciation | 9,295,420 | (\$45,854) | (\$85,541) | | | | | | \$9,164,016 |
| 3 | Net Utility Plant in Service | \$10,663,050 | (\$682,242) | (\$787,332) | \$0 | | \$0 | \$0 | | \$9,192,774 |
| 4 | Utility Plant Held for Future Use | \$0 | | | | | | | | \$0 |
| 5 | Construction Work in Progress | \$363,989 | | (\$1,179) | | | | | | \$362,722 |
| 6 | Less: Accumulated Deferred Income Taxes | \$2,301,002 | (\$104,955) | (\$178,004) | | | \$6,352 | (5,330) | | \$2,019,029 |
| 7 | Cash Working Capital | (\$119,149) | | | | | | | (\$269) | (\$119,418) |
| Other Rate Base Items | | | | | | | | | | |
| 8 | Materials and Supplies | \$153,932 | | | | | | | | \$153,932 |
| 9 | Fuel Inventory | 65,875 | | | | | | | | \$65,875 |
| 10 | Non-Plant Assets & Liabilities | 60,475 | | | | | | | | \$60,475 |
| 11 | Prepayments and Other Working Capital | 99,733 | | | (\$1,488) | | | | | \$98,245 |
| 12 | Total Other Rate Base Items | \$380,013 | \$0 | \$0 | (\$1,488) | \$0 | \$0 | \$0 | \$0 | \$378,525 |
| 13 | Total Average Rate Base | \$8,986,901 | (\$577,286) | (\$610,507) | (\$1,488) | (\$753) | (\$6,352) | \$5,330 | (\$269) | \$7,795,574 |

(1) Electric Utility - Minnesota Jurisdiction

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO GENERAL RATES
STATEMENT OF OPERATING INCOME
(\$000's)

Docket No. E002/GR-19-564
Schedule B
Part 2 of 3
Page 1 of 6

| <u>Line No.</u> | <u>Description</u> | <u>2020 General Rate Case Filing (A)</u> | <u>2020 Interim Rate Petition Present Rates (B)</u> | <u>Change (C) = (B) - (A)</u> |
|----------------------------------|---------------------------------|--|---|-------------------------------|
| <u>Operating Revenues</u> | | | | |
| 1 | Retail | \$3,120,645 | \$3,005,188 | (\$115,457) |
| 2 | Interdepartmental | 494 | 494 | 0 |
| 3 | Other Operating | 545,018 | 544,510 | (508) |
| 4 | Total Operating Revenues | \$3,666,158 | \$3,550,192 | (\$115,966) |
| <u>Expenses</u> | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Power | \$937,629 | \$937,629 | \$0 |
| 6 | Power Production | 604,726 | 593,003 | (11,723) |
| 7 | Transmission | 255,621 | 255,621 | 0 |
| 8 | Distribution | 114,249 | 114,249 | 0 |
| 9 | Customer Accounting | 48,973 | 48,973 | 0 |
| 10 | Customer Service & Information | 105,520 | 105,520 | 0 |
| 11 | Sales, Econ Dvlp & Other | (6) | (6) | 0 |
| 12 | Administrative & General | 246,966 | 240,404 | (6,562) |
| 13 | Total Operating Expenses | \$2,313,678 | \$2,295,393 | (\$18,285) |
| 14 | Depreciation | \$683,392 | \$633,851 | (\$49,541) |
| 15 | Amortization | \$43,948 | \$41,978 | (\$1,970) |
| Taxes: | | | | |
| 16 | Property | \$178,357 | \$162,244 | (\$16,114) |
| 17 | Deferred Income Tax & ITC | (71,438) | (132,021) | (60,583) |
| 18 | Federal & State Income Tax | (6,184) | 105,584 | 111,768 |
| 19 | Payroll & Other | 27,259 | 27,226 | (33) |
| 20 | Total Taxes | \$127,994 | \$163,032 | \$35,038 |
| 21 | Total Expenses | \$3,169,012 | \$3,134,254 | (\$34,758) |
| 22 | Operating Income | 497,145 | 415,938 | (\$81,208) |
| 23 | AFUDC | \$28,846 | \$28,818 | (\$28) |
| 24 | Total Operating Income | \$525,991 | \$444,756 | (\$81,235) |

Note: Revenues reflect calendar month sales.

**COMPARISON OF PROPOSED 2020 INTERIM RATES
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Schedule B, Part 2 of 3, Pages 5 of 5, contains a bridge schedule itemizing the changes from General Rate Petition operating income statement to the Interim Rate Petition operating income statement. Thirteen adjustments have been made to bridge the General Petition operating income statement to the Proposed Interim operating income statement.

Renewable Energy Standard (RES) Project Roll-In Removal.

The Company is proposing to include in the final rates the cost components associated with certain wind projects previously recovered through the RES Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the RES rate for 2020. The interim rate revenue requirement is being adjusted to remove these cost components associated with the roll in RES projects to eliminate any potential double recovery.

Transmission Cost Recovery (TCR) Project Roll-In Removal.

The Company is proposing to include in the final rates the cost components associated with certain transmission projects previously recovered through the TCR Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the TCR rate for 2020. The interim rate revenue requirement is being adjusted to remove these cost components associated with the roll in TCR projects to eliminate any potential double recovery.

Aurora Deferral Expense Amortization Removal.

The Company is requesting authorization to recover in the general rate petition the cost difference between the contracted PPA and the energy proxy price over the two year period 2020 - 2021. The interim rate revenue requirement is being adjusted to remove the cost components associated with this deferral expense amortization request.

Railroad Island Solar Garden Removal.

The Railroad Island solar garden project is an Energy Supply generation project. In its petition for approval of this project in Docket No. E002/M-17-527, the Company stated that it would “ensure the non-participating retail

ratepayers do not pay for the proposed solar garden facility” and the Commission Order approving the project noted that the Company agreed “not to seek to recover the cost of the solar garden facility from its other ratepayers.” The interim rate revenue requirement is being adjusted to remove the cost components associated with this solar garden project.

Incentive Recovery Cap Reset to 15%.

The Company is requesting authorization to recover in the general rate petition incentive costs up to 20% of an individual’s base pay. The Company has previously been ordered to limit the incentive pay included in base rates to 15% of base pay. This interim rate revenue requirement is being adjusted to remove the cost components for the difference between the 20% and 15%.

Environmental Incentive Removal.

The Company is requesting authorization to recover in the general rate petition the long-term portion of incentive compensation related to environmental goals. The Company has previously denied recovery of any long-term incentive compensation. This interim rate revenue requirement is being adjusted to remove the cost components associated with the environmental portion of the long-term incentive.

Prairie Island Tribal Payments.

The Company is proposing to assign in final rates the full amount of the annual Prairie Island Tribal Payment as had been ordered in Order Point 4a in Docket No. E002/M-03-1544. The Company inadvertently had allocated the Tribal Payments in Docket E002/GR-15-826 and the allocated values were included as such in the Settlement. This interim rate revenue requirement adjustment is removing the incremental payment amount as if the payment was being allocated to other jurisdictions.

XES Allocation Labor Hours.

The Company’s proposed final rates include allocations of certain XES costs to operating companies based on a three-part general allocator that uses number of employees as one of the three factors. In prior rate proceedings, the number of employee’s factor was adjusted to use allocated labor hours with overtime in lieu of employee’s. This interim rate revenue requirement adjustment replaces the cost allocation base on employees with the calculation of costs assigned using labor hours.

Lobbying Labor Update.

During the Company's validation and review process, it was discovered that an isolated amount of lobbying labor was included in the general rate request and that a rebuttal adjustment was warranted. This interim rate revenue requirement is being adjusted to remove the lobbying labor.

Change In Cost Of Capital

The final revenue requirement includes a higher cost of equity than the last approved cost of equity in Docket No. E002/M-17-797. In Order Point 3 of Docket No. E002/M-17-797 the Commission ruled that Xcel must use an ROE of 9.06% in all electric dockets that require an ROE determination until the Commission issues an order in the Company's next rate case authorizing a different ROE. This also includes an updated to reflect a decrease in the cost of capital associated with a bond issuance after the cost of service in the general rate request was completed. This interim rate adjustment is the change in the cost of capital that results from using the currently proposed capital structure with the last authorized return on equity.

Change in the Accumulated Deferred Income Tax (ADIT) Pro-Rate.

The Company has included the impacts on the change in the ADIT pro-rate calculation in determining the final revenue requirement. The Company has determined ADIT balances are required to be pro-rated in accordance with IRS Section 1.167(l)-(1)(h)(6) for forward looking test years, based on that determination, an adjustment was included in the general rate petition. This interim adjustment records the change in the revenue requirement and income statement cost components associated with the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation

The Company has included the impacts on the change in the Net Operating Loss (NOL) carried forward from prior years in the final revenue requirement. Because the Company has more tax deductions/credits than it can utilize in 2020, the unused tax deductions/credits need to be carried forward to a future period. The Company has determined the value of the NOL and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate adjustment records the change in the NOL between the level calculated in the final revenue requirements and the interim cost of service.

Cash Working Capital Change

This adjustment calculates the income statement impact of the change in cash working capital between the level included in calculating the final revenue requirement and the interim rate revenue requirement.

| Line No. | Description | Interim Adjustments | | | | | | | | | | Secondary Calculations | | | 2020 Interim Rate Petition Present Rates (1) | Remove FCA Revenue and Fuel Expense (16) | 2020 Interim Total Net of Fuel (17) | |
|----------------------------|--|-----------------------------------|-------------------------|-------------------------|--------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|--------------------------------|---------------------------|--------------------------------|------------------------|----------------------|--|--|-------------------------------------|--------------------|
| | | 2020 General Rate Case Filing (1) | RES Roll In Removal (2) | TCR Roll In Removal (3) | Aurora Removal (4) | Railroad Island Removal (5) | Incentive 20% to 15% (6) | Incentive Environmental (7) | PI Tribal Settlement (8) | XES Allocation Labor Hours (9) | Lobbying Labor Hours (10) | Change in Cost of Capital (11) | ADIT Pro-Rate Adj (12) | NOL Calculation (13) | | | | CWC Change (14) |
| Operating Revenues | | | | | | | | | | | | | | | | | | |
| 1 | Retail | \$3,120,645 | (\$27,082) | (\$88,375) | | | | | | | | | | | | \$3,005,188 | (\$796,055) | \$2,209,133 |
| 2 | Interdepartmental | 494 | | | | | | | | | | | | | | 494 | | 494 |
| 3 | Other Operating | 545,018 | | (1,268) | | | | | | | \$767 | | | | 544,510 | | 544,510 | |
| 4 | Total Operating Revenues | \$3,666,158 | (\$27,082) | (\$89,643) | \$0 | (\$7) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,550,192 | (\$796,055) | \$2,754,137 | |
| Expenses | | | | | | | | | | | | | | | | | | |
| Operating Expenses | | | | | | | | | | | | | | | | | | |
| 5 | Fuel and Purchased Power | \$937,629 | | | | | | | | | | | | | \$937,629 | (\$796,055) | \$141,574 | |
| 6 | Power Production | 604,726 | (\$11,398) | | | | | | | | | | | | 593,303 | | 593,003 | |
| 7 | Transmission | 255,621 | | | | | | | | | | | | | 255,621 | | 255,621 | |
| 8 | Distribution | 114,249 | | | | | | | | | | | | | 114,249 | | 114,249 | |
| 9 | Customer Accounting | 48,973 | | | | | | | | | | | | | 48,973 | | 48,973 | |
| 10 | Customer Service & Information | 105,520 | | | | | | | | | | | | | 105,520 | | 105,520 | |
| 11 | Sales, Econ Dvlp & Other | (6) | | | | | | | | | | | | | (6) | | (6) | |
| 12 | Administrative & General | 246,966 | | | | | | | | | | | | | 240,404 | | 240,404 | |
| 13 | Total Operating Expenses | \$2,313,676 | (\$11,398) | \$0 | \$0 | \$0 | (\$1,142) | (\$1,940) | (\$325) | (\$3,302) | (\$178) | \$0 | \$0 | \$0 | \$2,295,393 | (\$796,055) | \$1,499,338 | |
| 14 | Depreciation | \$683,392 | (\$31,286) | (\$18,239) | | (\$16) | | | | | | | | | \$633,851 | | \$633,851 | |
| 15 | Amortizations | \$43,948 | | (\$1,970) | | | | | | | | | | | \$41,978 | | \$41,978 | |
| Taxes | | | | | | | | | | | | | | | | | | |
| 16 | Property | \$178,357 | (\$2,666) | (\$13,447) | | | | | | | | | | | \$162,244 | | \$162,244 | |
| 17 | Deferred Income Tax & ITC | (71,438) | (42,659) | (6,087) | | | | | | | | | | | (132,021) | | (132,021) | |
| 18 | Federal & State Income Tax | (6,184) | 103,234 | (6,774) | \$575 | | \$328 | \$558 | \$93 | \$956 | \$51 | \$893 | \$38 | (\$11,732) | \$2 | 105,584 | 105,584 | |
| 19 | Pavlov & Other | 27,259 | | | | | | | | (33) | | | | | 27,226 | | \$27,226 | |
| 20 | Total Taxes | \$127,994 | \$57,909 | (\$26,308) | \$575 | \$6 | \$328 | \$558 | \$93 | \$925 | \$51 | \$893 | \$38 | (\$32) | \$2 | \$163,032 | \$163,032 | |
| 21 | Total Expenses | \$3,189,012 | \$15,225 | (\$44,547) | (\$1,395) | (\$10) | (\$814) | (\$1,382) | (\$232) | (\$2,376) | (\$127) | \$893 | \$38 | (\$32) | \$2 | \$3,134,254 | (\$796,055) | \$2,338,199 |
| 22 | Operating Income | \$497,145 | (\$42,307) | (\$45,096) | \$1,395 | \$3 | \$814 | \$1,382 | \$232 | \$2,376 | \$127 | (\$125) | (\$38) | \$32 | (\$2) | \$415,938 | \$0 | \$415,938 |
| 23 | Allowance for Funds Used Durina Construction | \$28,846 | | | | | | | | | | | | | \$28,818 | | \$28,818 | |
| 24 | Total Operating Income | \$525,991 | (\$42,307) | (\$45,096) | \$1,395 | (\$25) | \$814 | \$1,382 | \$232 | \$2,376 | \$127 | (\$125) | (\$38) | \$32 | (\$2) | \$444,756 | \$0 | \$444,756 |
| Revenue Requirement | | | | | | | | | | | | | | | | | | |
| 25 | Total Rate Base | \$8,986,901 | (\$577,286) | (\$610,507) | (\$1,488) | (\$753) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$6,352) | \$5,330 | (\$269) | \$7,795,574 | | \$7,795,574 |
| 26 | Require Operating Inc (RB * Real Return) | \$669,524 | (\$43,008) | (\$45,483) | (\$111) | (\$56) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$48,112) | \$397 | (\$20) | \$531,858 | | \$531,858 | |
| 27 | Operating Income | \$525,991 | (\$42,307) | (\$45,096) | \$1,395 | (\$25) | \$814 | \$1,382 | \$232 | \$2,376 | \$127 | (\$125) | (\$38) | \$32 | (\$2) | \$444,756 | | \$444,756 |
| 28 | Operating Income Deficiency | \$143,533 | (\$701) | (\$387) | (\$1,505) | (\$31) | (\$814) | (\$1,382) | (\$232) | (\$2,376) | (\$127) | (\$48,987) | (\$435) | \$365 | (\$19) | \$86,902 | | \$86,902 |
| 29 | Revenue Deficiency | \$201,427 | (\$984) | (\$543) | (\$2,113) | (\$44) | (\$1,142) | (\$1,940) | (\$325) | (\$3,335) | (\$178) | (\$68,746) | (\$811) | \$512 | (\$26) | \$121,954 | \$0 | \$121,954 |

Notes (1) Electric Utility - Minnesota Jurisdiction

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2020 INTERIM RATES TO GENERAL RATES
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

Docket No. E002/GR-19-564
 Schedule B
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| <u>Line No.</u> | <u>Description</u> | <u>2020 General Rate Case Filing (A)</u> | <u>2020 Interim Rate Petition Present Rates (B)</u> | <u>Change (C) = (B) - (A)</u> |
|-----------------|--|--|---|-------------------------------|
| 1 | Average Rate Base | \$8,986,901 | \$7,795,574 | (\$1,191,326) |
| 2 | Required Rate of Return | 7.45% | 6.82% | -0.63% |
| 3 | Operating Income Requirement (Line 1 x Line 2) | \$669,524 | \$531,658 | (\$137,866) |
| 4 | Operating Income Under Present Rates | \$525,991 | \$444,756 | (\$81,235) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$143,533 | \$86,902 | (\$56,631) |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 0.00000 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$201,427 | \$121,954 | (\$79,473) |

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO PRESENT RATES
DETAILED RATE BASE COMPONENTS
(\$000's)

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| Line No. | Description | Present Rates | 2020 Interim | Change |
|----------|---|---|-----------------------------|-------------------------|
| | | General Rate Case Approved E,G999/CI-17-895 (1) | Rate Petition Present Rates | |
| | | (A) | (B) | (C) = (B) - (A) |
| | Electric Plant as Booked | | | |
| 1 | Production | \$10,060,608 | \$10,412,390 | \$351,782 |
| 2 | Transmission | 2,397,725 | 2,370,447 | (27,278) |
| 3 | Distribution | 3,658,370 | 3,883,261 | 224,891 |
| 4 | General | 888,530 | 940,411 | 51,881 |
| 5 | Common | 781,187 | 750,280 | (30,907) |
| 6 | TOTAL Utility Plant in Service | <u>\$17,786,420</u> | <u>\$18,356,790</u> | <u>570,370</u> |
| | Reserve for Depreciation | | | |
| 7 | Production | \$6,015,790 | \$6,281,918 | \$266,128 |
| 8 | Transmission | 619,062 | 641,868 | 22,806 |
| 9 | Distribution | 1,391,483 | 1,446,041 | 54,558 |
| 10 | General | 451,746 | 459,927 | 8,181 |
| 11 | Common | 412,713 | 334,261 | (78,452) |
| 12 | TOTAL Reserve for Depreciation | <u>\$8,890,795</u> | <u>\$9,164,016</u> | <u>\$273,221</u> |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,044,818 | \$4,130,472 | \$85,654 |
| 14 | Transmission | 1,778,663 | 1,728,578 | (50,084) |
| 15 | Distribution | 2,266,887 | 2,437,219 | 170,332 |
| 16 | General | 436,784 | 480,484 | 43,700 |
| 17 | Common | 368,473 | 416,019 | 47,546 |
| 18 | Net Utility Plant in Service | <u>\$8,895,625</u> | <u>\$9,192,774</u> | <u>\$297,148</u> |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$380,350 | \$362,722 | (\$17,628) |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,151,719 | \$2,019,029 | (\$132,690) |
| 22 | Cash Working Capital | (\$111,130) | (\$119,418) | (\$8,288) |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$135,797 | \$153,932 | \$18,134 |
| 24 | Fuel Inventory | \$73,476 | 65,875 | (7,601) |
| 25 | Non-Plant Assets & Liabilities | \$27,456 | 60,475 | 33,018 |
| 26 | Prepayments and Other Working Capital | <u>\$151,609</u> | <u>98,245</u> | <u>(53,364)</u> |
| 27 | Total Other Rate Base Items | <u>\$388,338</u> | <u>\$378,525</u> | <u>(\$9,813)</u> |
| 28 | Total Average Rate Base | <u><u>\$7,401,465</u></u> | <u><u>\$7,795,574</u></u> | <u><u>\$394,110</u></u> |

(1) 2019 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

**COMPARISON OF PROPOSED 2020 INTERIM RATES TO THE MOST
RECENT COMMISSION APPROVED GENERAL RATE CASE
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

Total Average Rate Base proposed by Xcel Energy for 2020 interim rates has increased \$394 million, an increase of 5.3 percent over the final rate base level approved in Docket No. E,G999/CI-17-895.

Net Utility Plant in Service has increased \$297 million. The primary driver of this growth has been the additional Company investments in the Production, and Distribution functional assets. Changes in these functional classes account for 86% of the Net Plant increase.

Net Production Plant has increased by \$86 million (capital additions of approximately \$352 million offset by increases in depreciation reserves of \$266 million), an increase of 2.1 percent since the last approved rate case, Net Transmission Plant decreased \$50 million (-2.8 percent) while the Net Distribution Plant has increased by \$170 million (7.5 percent). Net General Plant increased approximately \$44 million with the approximate \$48 million increase in Net Common Plant accounts for the remainder of the overall Net Plant increase.

Construction Work in Progress between the two periods has decreased approximately \$18 million as timing of project completions and in-servicing activities exceeded the ongoing construction activity between the two periods.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, decreased approximately \$133 million. This decrease is a function of lower plant related deferred taxes attributed across the functional classes of approximately \$49 million and higher levels of deferred tax credits (which lower the deferred tax balances) of \$83 million.

Since the last General Rate Order, Cash Working Capital requirements, a rate based deduction, have increased by \$8 million, causing a decrease to the average Rate Base. The Company's 2020 average expense lead days decreased to 55.25 from 55.71 in the 2019 test years, meaning that the Company's cash outlay for paying expenses has shortened by an average of 0.46 days, for the same periods the average revenue lag days decreased to 39.67 in from 41.69. This translate to revenues are being collected on average 2.02 days sooner in the interim cost of

service. The net effect of the lead/lag changes is that the Company is holding onto customer's cash as long in the test year and therefor the rate base offset for Cash Working Capital is higher. Cash Working Capital requirements are calculated by revenue collection (revenue lag) and expense payment (expense lead) principles established first by a Lead/Lag Study, and then applied to the projected Revenues and Operating Costs for the Test Year.

The Other Rate Base category resulted in a net decrease to Average Rate Base of approximately \$10 million. This decrease was driven by an overall decrease in Prepayments and Other Working Capital of \$53 million (decreases in Customer Deposits and Prepayments accounted for 82% of the decline), and a decrease in Fuel Inventory of approximately \$8 million. Offsetting these decreases were increases in Materials and Supplies of \$18 million, and Non-Plant Assets and Liabilities \$33 million.

In summary, the net effect of the increase in Net Plant in Service, \$297 million, the decrease in CWIP of approximately \$18 million, the decreased Accumulated Deferred Income Taxes (an increase to rate base) of approximately \$133 million, the increase in Cash Working Capital \$8 million, and the \$10 million decrease in Other Rate Base Items accounts for the \$394 million increase in Total Average Rate Base for the proposed 2020 interim rate period.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO PRESENT RATES
STATEMENT OF OPERATING INCOME
(\$000's)

Docket No. E002/GR-19-564
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| Line No. | Description | Present Rates | 2020 Interim | Change (C) = (B) - (A) |
|----------------------------------|------------------------------------|--|---------------------------------------|---------------------------|
| | | From Most Recent General Rate Case Approved E,G999/CI-17-895 (1) (A) | Rate Petition Present Rates (B) | |
| <u>Operating Revenues</u> | | | | |
| 1 | Retail | \$3,188,988 | \$3,005,188 | (\$183,800) |
| 2 | Interdepartmental | 672 | 494 | (178) |
| 3 | Other Operating | 687,000 | 544,510 | (142,490) |
| 4 | Total Operating Revenues | \$3,876,660 | \$3,550,192 | (\$326,468) |
| <u>Expenses</u> | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Energy | \$1,125,206 | \$937,629 | (\$187,577) |
| 6 | Power Production | 684,262 | 593,003 | (91,259) |
| 7 | Transmission | 250,967 | 255,621 | 4,654 |
| 8 | Distribution | 111,186 | 114,249 | 3,063 |
| 9 | Customer Accounting | 50,555 | 48,973 | (1,582) |
| 10 | Customer Service & Information (2) | 95,067 | 105,520 | 10,454 |
| 11 | Sales, Econ Dvlp & Other | 69 | (6) | (75) |
| 12 | Administrative & General | 224,433 | 240,404 | 15,972 |
| 13 | Total Operating Expenses | \$2,541,744 | \$2,295,393 | (\$246,350) |
| 14 | Depreciation | \$568,522 | \$633,851 | \$65,329 |
| 15 | Amortizations | \$24,140 | \$41,978 | \$17,838 |
| Taxes: | | | | |
| 16 | Property | \$198,796 | \$162,244 | (\$36,552) |
| 17 | Deferred Income Tax & ITC | (2,106) | (132,021) | (129,915) |
| 18 | Federal & State Income Tax | 19,539 | 105,584 | 86,045 |
| 19 | Payroll & Other | 29,896 | 27,226 | (2,670) |
| 20 | Total Taxes | \$246,124 | \$163,032 | (\$83,092) |
| 21 | Total Expenses | \$3,380,530 | \$3,134,254 | (\$246,275) |
| 22 | Operating Income | \$496,130 | \$415,938 | (\$80,192) |
| 23 | AFUDC | \$27,894 | \$28,818 | \$925 |
| 24 | Total Operating Income | \$524,024 | \$444,756 | (\$79,267) |

Notes: Revenues reflect calendar month sales.

(1) 2019 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

**COMPARISON OF PROPOSED 2020 INTERIM RATES TO MOST
RECENT COMMISSION APPROVED GENERAL RATE CASE
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the Company's test year utility operating income approved by the Commission in Docket No. E,G999/CI-17-895 with the 2020 test year operating income proposed in the Company's interim rate petition shows a decrease in operating income of \$79 million.

Major components of the change in utility operating income include the following:

Total Operating Revenues decreased approximately \$326 million, which is the combination of decreased Retail Electric revenues of \$184 million and decreased Other Revenues of approximately \$142 million. The Retail revenue decrease is primarily associated lower fuel costs resulting in lower fuel revenues that are partially offset by higher RDF and CIP recovery revenues between the test year and the level authorized in Docket No. E,G999/CI-17-895.

Other Revenue decreased by \$142 million. This decrease was driven by a decrease of \$90 million in projected billings to Northern States Power Company (Wisconsin) under the provisions of the Interchanges Agreement, and a \$36 million decrease due to net regulatory adjustments between the current interim request and the other revenue level included in the settlement of the 2019 test year. Net other revenues including Transmission related revenues decreased approximately \$24 million. Offsetting these decreases was a net overall increase in all the other revenue components of approximately \$8 million.

Fuel and Purchased Energy costs have decreased by \$187 million compared to the last General Rate Order. Reduction in both steam related fuel costs and purchased power contributed to the decrease. Power Production operation costs have decreased by \$80 million associated with decreases in both nuclear and steam operations.

Other Operating Expenses increased by approximately \$22 million. The changes that occurred in the various cost functions are: Transmission expense decreased approximately \$6 million; Distribution expense increased \$3 million; Customer

Accounting decreased approximately \$2 million; Customer Services and Information increased \$10 million and is due primarily to a \$10 million increased in CIP program costs; and finally, Administrative and General expense increased approximately \$16 million related principally to increased salaries, rents, and outside services.

Depreciation expense increased approximately \$65 million, driven by higher annual depreciation specifically in the Production, Nuclear decommissioning, Distribution and Intangible functional classes which account for 93% of the increase.

Amortization costs in the Interim Rate Petition increased \$18 million compared with the current level in base rates. This change is driven by an increase in the RDF related rider revenues that are included in current revenues. An amortization expense is recorded in the test year to offset the rider revenue thereby keeping the RDF rider earnings neutral. In addition, the amortization increase includes rate case expense amortization.

Property Taxes decreased approximately \$36 million across all the functional classes. Production is lower by approximately \$17 million, Transmission is lower by approximately \$9 million and Distribution lower by approximately 410 million.

Deferred Income Taxes have decreased by approximately \$130 million driven by the deferral of Federal Tax Credits. Current Federal & State Income Taxes increased \$86 million due to net higher taxable income in the Interim period relative to the 2019 level.

Payroll and other taxes decreased approximately \$3 million between the two periods.

Compared to the last electric general rate Order, Allowance for Funds Used During Construction increased approximately \$1 million.

Northern States Power Company
 Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO PRESENT RATES
SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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 Schedule C
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| Line No. | Description | Present Rates | 2020 Interim | Change (C) = (B) - (A) |
|----------|---|---|--------------------------------|---------------------------|
| | | From Most Recent General Rate Case Approved E,G999/CI-17-895 (1) | Rate Petition Present Rates | |
| | | (A) | (B) | |
| 1 | Average Rate Base | \$7,401,465 | \$7,795,574 | \$394,110 |
| 2 | Required Rate of Return | 7.08% | 6.82% | -0.26% |
| 3 | Operating Income Requirement (Line 1 x Line2) | \$524,024 | \$531,658 | \$7,634 |
| 4 | Operating Income Under Present Rates | \$524,024 | \$444,756 | (\$79,268) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$0 | \$86,902 | \$86,902 |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 0.00000 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$0 | \$121,954 | \$121,954 |

(1) 2019 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO PRESENT RATES
CAPITAL STRUCTURE AND RATE OF RETURN CALCULATIONS
(\$000's)

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| <u>Line No.</u> | <u>Capitalization:</u> | <u>Amount (A)</u> | <u>Percent of Total Capitalization (B)</u> | <u>Cost of Capital (C)</u> | <u>Weighted Cost of Capital (D)</u> |
|---|-------------------------------|-------------------|--|----------------------------|-------------------------------------|
| I. Capital Structure and Rate of Return Calculation Approved by the Commission in the Most Recent General Rate Case (Docket E002/GR-15-826)* | | | | | |
| 1 | Long-Term Debt | \$4,716,554 | 45.81% | 4.75% | 2.18% |
| 2 | Short-Term Debt | \$173,470 | 1.69% | 4.31% | 0.07% |
| 3 | Long-Term and Short-Term Debt | \$4,890,024 | 47.50% | | 2.25% |
| 4 | Preferred Stock | \$0 | 0.00% | 0.00% | 0.00% |
| 5 | Net Common Equity | \$5,404,844 | 52.50% | 9.20% | 4.83% |
| 6 | Total Equity | \$5,404,844 | 52.50% | | 4.83% |
| 7 | Total Capitalization | \$10,294,868 | 100.00% | | 7.08% |

| | | | | | |
|---|-------------------------------|--------------|---------|--------|-------|
| II. Capital Structure and Rate of Return Calculation for Proposed 2020 Interim Rates | | | | | |
| 8 | Long-Term Debt | \$5,857,314 | 46.63% | 4.35% | 2.03% |
| 9 | Short-Term Debt | \$108,986 | 0.87% | 2.97% | 0.03% |
| 10 | Long-Term and Short-Term Debt | \$5,966,300 | 47.50% | | 2.06% |
| 11 | Preferred Stock | \$0 | 0.00% | 0.00% | 0.00% |
| 12 | Net Common Equity | \$6,594,458 | 52.50% | 9.06%* | 4.76% |
| 13 | Total Equity | \$6,594,458 | 52.50% | | 4.76% |
| 14 | Total Capitalization | \$12,560,758 | 100.00% | | 6.82% |

III. Amount of Changes Between I and II

| | <u>Amount</u> | | <u>Change (C) = (B) - (A)</u> |
|-------------------------------|---|---------------------------------------|-------------------------------|
| | <u>Fiscal Year Most Recent General Rate Case Approved (A)</u> | <u>Proposed 2020 Interim Rate (B)</u> | |
| Long-Term Debt | \$4,716,554 | \$5,857,314 | \$1,140,760 |
| Short-Term Debt | \$173,470 | \$108,986 | (\$64,484) |
| Long-Term and Short-Term Debt | \$4,890,024 | \$5,966,300 | \$1,076,276 |
| Preferred Stock | \$0 | \$0 | \$0 |
| Net Common Equity | \$5,404,844 | \$6,594,458 | \$1,189,614 |
| Total Equity | \$5,404,844 | \$6,594,458 | \$1,189,614 |
| Total Capitalization | \$10,294,868 | \$12,560,758 | \$2,265,890 |

* ROE of 9.06% being used as ordered in Docket E002/M-17-797.

**COMPARISON OF PROPOSED INTERIM RATES TO MOST RECENT
COMMISSION APPROVED GENERAL RATE CASE
CAPITAL STRUCTURE AND RATE OF RETURN CALCULATIONS
DESCRIPTION OF CHANGES**

The overall combined capitalization ratio (Debt and Equity) has remained constant between the periods. The short term/long term debt capitalization ratio has shifted increasing long-term while lowering the short-term percentage.

The Long-term Debt portion of the capital structure proposed for use in determining the interim rate revenue requirement increased by approximately \$1.14 billion, compared to the last electric general rate case filing in Docket No. E002/GR-15-526.

The Short-term Debt component proposed for use in the interim capital structure decreased \$64 million, compared to the last electric General Rate Order.

The overall reduction in the weighted cost of debt (2.06% compared to 2.25%) used in the interim revenue requirement calculations is driven by the lower cost of both long-term and short-term debt between the periods. The combination of new debt issuances and refinancing's at lower rates has contributed to the overall decrease in the weighted cost of debt.

Common Equity increased by approximately \$1.19 billion primarily based on the increases in Retained Earnings.

The weighted cost of equity decrease (4.76% compared to 4.83%) used in the interim revenue requirements calculations is associated with the use of the 9.06% ROE being used in the calculation. In Docket E002/M-17-797 the MPUC ordered a 9.06% ROE.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO 2018 ACTUAL
DETAILED RATE BASE COMPONENTS
(\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) (A) | 2020 Interim Rate Petition Present Rate (B) | Change (C) = (B) - (A) |
|----------|---|---------------------------------|--|---------------------------|
| | Electric as Booked | | | |
| 1 | Production | \$9,774,851 | \$10,412,390 | \$637,540 |
| 2 | Transmission | 2,306,248 | 2,370,447 | 64,199 |
| 3 | Distribution | 3,543,665 | 3,883,261 | 339,596 |
| 4 | General | 826,751 | 940,411 | 113,661 |
| 5 | Common | 594,549 | 750,280 | 155,731 |
| 6 | TOTAL Utility Plant in Service | <u>\$17,046,063</u> | <u>\$18,356,790</u> | <u>\$1,310,727</u> |
| | Reserve for Depreciation | | | |
| 7 | Production | \$5,586,327 | \$6,281,918 | \$695,591 |
| 8 | Transmission | 569,836 | 641,868 | 72,033 |
| 9 | Distribution | 1,320,329 | 1,446,041 | 125,712 |
| 10 | General | 351,376 | 459,927 | 108,551 |
| 11 | Common | 224,610 | 334,261 | 109,650 |
| 12 | TOTAL Reserve for Depreciation | <u>\$8,052,478</u> | <u>\$9,164,016</u> | <u>\$1,111,538</u> |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,188,524 | \$4,130,472 | (\$58,052) |
| 14 | Transmission | 1,736,412 | 1,728,578 | (7,833) |
| 15 | Distribution | 2,223,336 | 2,437,219 | 213,884 |
| 16 | General | 475,374 | 480,484 | 5,110 |
| 17 | Common | 369,939 | 416,019 | 46,081 |
| 18 | Net Utility Plant in Service | <u>\$8,993,585</u> | <u>\$9,192,774</u> | <u>\$199,189</u> |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$404,857 | \$362,722 | (\$42,135) |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,249,372 | \$2,019,029 | (\$230,343) |
| 22 | Cash Working Capital | (\$162,486) | (\$119,418) | \$43,068 |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$168,024 | \$153,932 | (\$14,092) |
| 24 | Fuel Inventory | 68,794 | 65,875 | (2,919) |
| 25 | Non-Plant Assets & Liabilities | 54,318 | 60,475 | 6,157 |
| 26 | Prepayments and Other Working Capital | 93,980 | 98,245 | 4,265 |
| 27 | Total Other Rate Base Items | <u>\$385,115</u> | <u>\$378,525</u> | <u>(\$6,589)</u> |
| 28 | Total Average Rate Base | <u><u>\$7,371,698</u></u> | <u><u>\$7,795,574</u></u> | <u><u>\$423,876</u></u> |

(1) Rate base components for the TCR and RES riders have been excluded.

**COMPARISON OF PROPOSED 2020 INTERIM RATES TO 2018
ACTUAL
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

Total Average Rate Base used to determine the interim rate revenue requirement increased by \$424 million from 2018, the most recent actual fiscal year. The net increase is driven by increased Net Plant in Service which increased by \$199 million, decreased Construction Work in Progress ("CWIP") of \$42 million, decreased Accumulated Deferred Income Taxes, (which increases Rate Base) of approximately \$230 million, a decrease to Cash Working Capital (which increases rate base) of \$43 million and a decrease in Other Rate Base of approximately \$7 million.

The Net Plant in Service, based upon the comparative data provided in Schedule D, Part 1, page 1, identifies decreases in Net Production Plant of \$58 million, and Net Transmission Plant of approximately \$8 million (current investments in these functional classes generally are included in various rider mechanisms). Net Distribution Plant increased approximately \$214 million. Net General and Common functional classes have a combined increase totaling \$51 million.

Construction Work in Progress decreased approximately \$42 million due to completion of construction projects that have been placed into service.

Accumulated Deferred Income Taxes, a reduction of average rate base, decreased by approximately \$230 million. The change is caused in part by two years of excess deferred income tax flow-back associated with the decrease in Federal income tax rates beginning in 2018, as well as discontinuation of bonus tax depreciation.

Cash Working Capital, a negative rate base component, decreased by \$43 million compared to the most recent actual fiscal year, increasing average Rate Base. On average, the Company in 2020 is trending to remit payments to vendors sooner than while revenue collections has remained fairly static. This means that the Company is not holding onto the customers cash for as long a time period and thus lowering the Cash working Capital component of rate base.

Other Rate Base Items resulted in a collective decrease in average rate base of approximately \$7 million. This decrease was driven by decreases in Materials and

Supplies and Fuel Inventory collectively decreasing \$17 million. Partially offsetting those decreases were increases in Non-Plant of \$6 million along with an increase in Prepayments and Other Working Capital of \$4 million between the two periods.

In summary, the net effect of the increase in Net Plant in Service of \$199 million, the decrease in CWIP, of \$42 million, the decrease in Accumulated Deferred Income Taxes (an increase to rate base), approximately \$230 million, the decrease in Cash Working Capital of \$43 million, and the approximate \$7 million decrease from Other Rate Base Items accounts for the \$424 million overall increase in Total Average Rate Base used to determine the 2020 interim revenue requirement.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2020 INTERIM RATES TO 2018 ACTUAL
STATEMENT OF OPERATING INCOME
(\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) (A) | 2020 Interim Rate Petition Present Rate (B) | Change (C) = (B) - (A) |
|---------------------------|---------------------------------|---------------------------------|--|---------------------------|
| Operating Revenues | | | | |
| 1 | Retail | \$2,984,186 | \$3,005,188 | \$21,002 |
| 2 | Interdepartmental | 692 | 494 | (198) |
| 3 | Other Operating | 542,345 | 544,510 | 2,165 |
| 4 | Total Operating Revenues | \$3,527,223 | \$3,550,192 | \$22,969 |
| Expenses | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Energy | \$1,064,648 | \$937,629 | (\$127,019) |
| 6 | Power Production | 604,048 | 593,003 | (11,045) |
| 7 | Transmission | 127,855 | 255,621 | 127,766 |
| 8 | Distribution | 108,027 | 114,249 | 6,222 |
| 9 | Customer Accounting | 49,110 | 48,973 | (137) |
| 10 | Customer Service & Information | 146,674 | 105,520 | (41,154) |
| 11 | Sales, Econ Dvlp & Other | 46 | (6) | (52) |
| 12 | Administrative & General | 212,730 | 240,404 | 27,675 |
| 13 | Total Operating Expenses | \$2,313,138 | \$2,295,393 | (\$17,745) |
| 14 | Depreciation | \$550,796 | \$633,851 | \$83,054 |
| 15 | Amortizations | \$67,177 | \$41,978 | (\$25,199) |
| Taxes: | | | | |
| 16 | Property | \$163,496 | \$162,244 | (\$1,252) |
| 17 | Deferred Income Tax & ITC | (17,938) | (132,021) | (114,083) |
| 18 | Federal & State Income Tax | 2,021 | 105,584 | 103,563 |
| 19 | Payroll & Other | 27,428 | 27,226 | (203) |
| 20 | Total Taxes | \$175,007 | \$163,032 | (\$11,975) |
| 21 | Total Expenses | \$3,106,119 | \$3,134,254 | \$28,136 |
| 22 | Operating Income | \$421,105 | \$415,938 | (\$5,167) |
| 23 | AFUDC | \$29,731 | \$28,818 | (\$913) |
| 24 | Total Operating Income | \$450,835 | \$444,756 | (\$6,079) |

Note: Revenues reflect calender month sales.

(1) Revenues and expenses for TCR and RES riders have been excluded.

**COMPARISON OF PROPOSED 2020 INTERIM RATES
TO 2018 ACTUAL
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the operating income used to determine interim rates to actual operating income from 2018, the most recent fiscal year, shows an decrease of \$6 million.

Major components of the change in utility operating income include the following:

Total Retail Electric revenues increased \$21 million, with Retail Revenues accounting for \$29 million of the increase. This increase is partially due to the 2018 revenues including \$27 million of additional customer refunds associated with the Tax Cut and Jobs Act refunds authorized in Docket No. E,G999/CI-17-895. Other Operating Revenue increased the remaining \$2 million between the two years with no single item driving the increase.

Compared to the 2018 fiscal year, the cost of Fuel and Purchased Energy decreased by \$127 million. The cost of Power Production decreased by \$11 million.

Excluding the cost of Fuel, Purchased Energy and Power Production, other operating expenses have a net increase of approximately \$120 million in total. Transmission expenses increase by \$128 million. Distribution expenses increased by \$6 million. Customer Accounting remained flat, while Customer Service & Information decreased by \$41 million (approximately all of the decrease is attributed to a \$41 million decrease in CIP Program costs between the 2020 test year and the 2018 Actual Year). Sales remained relatively flat between the two periods and Administrative & General expenses had an increase of \$28 million.

Depreciation expense is projected to increase by \$83 million driven by increased plant in service.

Amortizations decreased approximately \$25 million between the two periods. This decrease is mainly driven by the completion of the Decoupling/Sales True Up, \$18 million and the amortization of the Property Tax Deferral, \$8 million.

Taxes Other than Income Taxes slightly decreased \$1 million, driven exclusively by decrease in Property Taxes of \$1 million. Payroll & Other Taxes remained relatively flat between the two periods.

Current Federal and State Income Taxes increased by approximately \$104 million. Deferred Income Taxes decreased approximately \$114 million mainly because of book to tax timing differences.

Allowance for Funds Used During Construction decreased by approximately \$1 million.

The changes described above in aggregate account for the \$6 million increase in utility operating income for the proposed 2020 interim rate revenue requirement compared to the most recent fiscal year.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2020 INTERIM RATES TO 2018 ACTUAL
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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| <u>Line No.</u> | <u>Description</u> | <u>Actual 2018 Adjusted (1)</u> <u>(A)</u> | <u>2020 Interim Rate Petition Present Rate</u> <u>(B)</u> | <u>Change</u> <u>(C) = (B) - (A)</u> |
|-----------------|---|---|--|---|
| 1 | Average Rate Base | \$7,371,698 | \$7,795,574 | \$423,876 |
| 2 | Required Rate of Return | 7.00% | 6.82% | -0.18% |
| 3 | Operating Income Requirement (Line 1 x Line2) | \$516,019 | \$531,658 | \$15,639 |
| 4 | Operating Income Under Present Rates | \$450,835 | \$444,756 | (\$6,079) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$65,184 | \$86,902 | \$21,719 |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 1.40335 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$91,475 | \$121,954 | \$30,479 |

(1) Rate base components, revenues and expenses for TCR and RES riders have been excluded.

Northern States Power Company
Electric Utility - State of Minnesota
2018 Actuals versus the 2018 Allowed Test Year
DETAILED RATE BASE COMPONENTS
(\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) (A) | General Rate Case Approved E, G999/CI-17-895 (2) (B) | Change (C) = (A) - (B) |
|----------|---|---------------------------------|---|---------------------------|
| | Electric Plant as Booked | | | |
| 1 | Production | \$9,774,851 | \$9,749,355 | \$25,496 |
| 2 | Transmission | 2,306,248 | 2,301,595 | 4,652 |
| 3 | Distribution | 3,543,665 | 3,516,302 | 27,363 |
| 4 | General | 826,751 | 827,938 | (1,188) |
| 5 | Common | 594,549 | 725,535 | (130,986) |
| 6 | TOTAL Utility Plant in Service | \$17,046,063 | \$17,120,725 | (\$74,662) |
| | Reserve for Depreciation | | | |
| 7 | Production | \$5,586,327 | \$5,644,011 | (\$57,684) |
| 8 | Transmission | 569,836 | 585,833 | (15,997) |
| 9 | Distribution | 1,320,329 | 1,333,146 | (12,817) |
| 10 | General | 351,376 | 390,194 | (38,818) |
| 11 | Common | 224,610 | 362,619 | (138,009) |
| 12 | TOTAL Reserve for Depreciation | \$8,052,478 | \$8,315,803 | (\$263,325) |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,188,524 | \$4,105,344 | \$83,180 |
| 14 | Transmission | 1,736,412 | 1,715,763 | 20,649 |
| 15 | Distribution | 2,223,336 | 2,183,156 | 40,180 |
| 16 | General | 475,374 | 437,744 | 37,630 |
| 17 | Common | 369,939 | 362,916 | 7,023 |
| 18 | Net Utility Plant in Service | \$8,993,585 | \$8,804,922 | \$188,663 |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$404,857 | \$422,411 | (\$17,554) |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,249,372 | \$2,203,099 | \$46,273 |
| 22 | Cash Working Capital | (\$162,486) | (\$111,985) | (\$50,501) |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$168,024 | \$135,797 | \$32,226 |
| 24 | Fuel Inventory | 68,794 | 73,476 | (4,682) |
| 25 | Non-Plant Assets & Liabilities | 54,318 | 15,903 | 38,415 |
| 26 | Prepayments and other Working Capital | 93,980 | 157,697 | (63,718) |
| 27 | Total Other Rate Base Items | \$385,115 | \$382,874 | \$2,241 |
| 28 | Total Average Rate Base | \$7,371,698 | \$7,295,123 | \$76,576 |

(1) Rate base components for Transmission Cost Recovery (TCR) and Renewable Energy Standard (RES) riders have been excluded.

(2) 2018 Test Year from Docket E, G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

**COMPARISON OF 2018 ACTUALS TO THE MOST RECENT
COMMISSION APPROVED RATE CASE
2018 TEST YEAR
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

The total average rate base from the most recent fiscal year ended 2018 higher by approximately \$77 million when compared to the 2018 Test Year (the 2018 illustrative test year from Northern States Power Company's last Minnesota electric rate case in Docket No. E002/GR-15-826, as restated in Docket E,G999/CI-17-895 and approved by the Commission).

The comparison of the 2018 Net Utility Plant in Service has the actuals higher by approximately \$189 million, Construction work in Progress lower by approximately \$18 million, while Accumulated Deferred Income Taxes, which reduces Rate Base, deviated by \$46 million. The Cash Working Capital component of rate base which represents a reduction to rate base exceeded the balance approved in the 2018 Test Year by approximately \$50 million. Lastly, Other Rate Base Items also exceeded the level in the Test Year by a net \$2 million. The following deviation descriptions are based upon the comparative data provided in Schedule E, Part 1, page 1.

The \$189 million difference in Net Utility Plant in Service is attributed to increases in all functional groups, specifically Net Production plant, Net Distribution Plant, and Net General Plant totaling approximately \$161 million. Net Transmission Plant and Net Common Plant investment also increased by approximately \$28 million.

Construction Work in Progress varied from the approved level by approximately \$18 million.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, was \$46 million higher on an actual basis from the projected level in the test year. Accumulated Deferred Income Taxes are mainly caused by timing differences between book and tax depreciation on plant in service investment.

Cash Working Capital requirements, which reduces rate base, came in approximately \$50 million greater between the two periods lowering Rate Base by the equivalent amount.

The Other Rate Base category resulted in an increase to average Rate Base of \$2 million. Higher actual balances for Material and Supplies and Non-Plant Assets & Liabilities were partially offset by lower than anticipated levels in Prepayments and Other Working Capital and Fuel Inventory.

The net effect of the higher Net Plant in Service of approximate \$189 million, the approximate \$18 million lower CWIP, the \$46 million higher Accumulated Deferred Income Taxes, the higher Cash Working Capital rate base deduction of approximately \$50 million and the higher Other Rate Base Items of \$2 million accounts for the net \$77 million increase in Total Average Rate Base between the two periods.

Northern States Power Company
Electric Utility - State of Minnesota
2018 Actuals versus the 2018 Allowed Test Year
STATEMENT OF OPERATING INCOME
(\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) | General Rate Case Approved E, G999/CI-17-895 (2) | Change |
|---------------------------|------------------------------------|--------------------------|--|--------------------|
| | | (A) | (B) | (C) = (A) - (B) |
| Operating Revenues | | | | |
| 1 | Retail | \$2,984,186 | \$3,015,536 | (\$31,350) |
| 2 | Interdepartmental | 692 | 644 | 48 |
| 3 | Other Operating | 542,345 | 660,562 | (118,217) |
| 4 | Total Operating Revenues | \$3,527,223 | \$3,676,742 | (\$149,519) |
| Expenses | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Energy | \$1,064,648 | \$1,001,199 | \$63,449 |
| 6 | Power Production | 604,048 | 680,421 | (76,374) |
| 7 | Transmission | 127,855 | 224,464 | (96,609) |
| 8 | Distribution | 108,027 | 112,784 | (4,757) |
| 9 | Customer Accounting | 49,110 | 50,820 | (1,710) |
| 10 | Customer Service & Information (3) | 146,674 | 94,998 | 51,676 |
| 11 | Sales, Econ Dvlp & Other | 46 | 71 | (25) |
| 12 | Administrative & General | 212,730 | 216,787 | (4,057) |
| 13 | Total Operating Expenses | \$2,313,138 | \$2,381,546 | (\$68,408) |
| 14 | Depreciation | \$550,796 | \$540,936 | \$9,860 |
| 15 | Amortizations | \$67,177 | \$41,542 | \$25,635 |
| Taxes: | | | | |
| 16 | Property | \$163,496 | \$192,275 | (\$28,779) |
| 17 | Deferred Income Tax & ITC | (17,938) | 31,715 | (49,653) |
| 18 | Federal & State Income Tax | 2,021 | (23,109) | 25,130 |
| 19 | Payroll & Other | 27,428 | 28,763 | (1,334) |
| 20 | Total Taxes | \$175,007 | \$229,644 | (\$54,637) |
| 21 | Total Expenses | \$3,106,119 | \$3,193,668 | (\$87,549) |
| 22 | Operating Income | \$421,105 | \$483,074 | (\$61,970) |
| 23 | AFUDC | \$29,731 | \$34,150 | (\$4,419) |
| 24 | Total Operating Income | \$450,835 | \$517,224 | (\$66,389) |

Note: Revenues reflect calendar month sales, and 2018 data is not weather normalized.

(1) Revenues and expenses for Transmission Cost Recovery (TCR) and Renewable Energy Standard (RES) riders have been excluded.

(2) 2018 Test Year from Docket E, G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

(3) Includes CIP/DSM Program Costs.

**COMPARISON OF THE 2018 ACTUALS TO THE MOST RECENT
COMMISSION APPROVED RATE CASE
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the Company's actual total operating income for 2018 to the most recent test year (the 2018 illustrative test year from Northern States Power Company's last Minnesota electric rate case in Docket No. E002/GR-15-826, as restated in Docket E,G999/CI-17-895 and approved by the Commission) utility operating income shows a decrease of \$66 million.

Major components of the change in utility operating income include the following:

Actual 2018 Total Operating Revenues decrease by approximately \$150 million when compared to the level approved as the 2018 test year. Retail Electric Revenues decreased by approximately \$31 million. Other Operating Revenue decreased by \$118 million, a significant portion of which was regulatory treatment developed in the Docket No. E002/GR-15-826 proceeding.

Actual 2018 Fuel and Purchased Energy costs increased by \$63 million over the 2018 test year approved in the last General Rate Order. The changes in the various cost functions are: Power Production decreased by \$76 million, Transmission decreased by approximately \$97 million and Distribution expenses decreased by approximately \$5 million. The Customer Accounting, Sales, and Administrative and General had a combined decrease of approximately \$6 million. These decreases are offset by a \$52 million increase in the Customer Services and Information cost function which is associated with CIP activity. CIP expense increases have a corresponding increase in CIP revenues and are earnings neutral.

Depreciation expense increased by approximately \$10 million and Amortizations decreased by approximately \$26 million related to the various regulatory adjustments classified as amortizations in 2018 Actuals.

Property Taxes decreased \$29 million between the two periods. Payroll and other taxes were down roughly \$1 million between the two periods.

The combination of Deferred Income Taxes and Current Income Taxes decreased approximately \$25 million.

Actual Allowance for Funds Used During Construction decreased approximately \$4 million compared to the 2018 test year.

The changes described above help to account for the \$66 million decrease in utility operating income between the two periods.

Northern States Power Company
 Electric Utility - State of Minnesota
 2018 Actuals versus the 2018 Allowed Test Year
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) (B) | General Rate Case Approved E,G999/CI-17-895 (2) (A) | Change (C) = (A) - (B) |
|----------|---|---------------------------------|--|---------------------------|
| 1 | Average Rate Base | \$7,371,698 | \$7,295,123 | \$76,576 |
| 2 | Required Rate of Return | 7.00% | 7.09% | 0.09% |
| 3 | Operating Income Requirement (Line 1 x Line2) | \$516,019 | \$517,224 | (\$1,205) |
| 4 | Operating Income Under Present Rates | \$450,835 | \$517,224 | (\$66,389) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$65,184 | \$0 | \$65,184 |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 1.40335 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$91,476 | \$0 | \$91,476 |

(1) Revenues and expenses for Transmission Cost Recovery (TCR) and Renewable Energy Standard (RES) riders have been excluded.

(2) 2018 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

2021 INTERIM RATE PETITION SCHEDULES SUPPORTING SCHEDULES AND WORKPAPERS

The Minnesota Public Utilities Commission (the "Commission"), in its Statement of Policy on Interim Rates, encourages any regulated company seeking interim rates to submit to the Commission an interim rate petition as part of its general rate case filing. The interim rate petition should include a cover letter and supporting schedules. The supporting schedules should include the following:

- 1) A schedule showing the interim rate of return calculation. This schedule should show the capital structure and rate of return calculation approved by the Commission in the most recent general rate case; the capital structure and rate of return calculation proposed for interim rates; and a description and corresponding dollar amount of any changes between the two capital structures.

Note:

Schedule C, Part 4 of 4 of this volume contains this information.

- 2) A schedule showing the interim operating income statement. This schedule should show the same operating income statement accounts as filed in the general rate case. Also, the schedule should include the operating income statement approved by the Commission in the most recent general rate case; the equivalent operating income statement corresponding with the most recent actual year for which audited data is available and corresponding with the same period in months as the test year, if the test year is a projected year; and the operating income statement proposed for interim rates. A description of all changes and corresponding dollar amounts between each of the operating income statements should be provided. Work papers should be provided which show how revenues, AFUDC, taxes, expenses, and other income statement components have been determined.

Notes:

Schedule C, Part 2 of 4 of this volume compares the operating income statement approved by the Commission in the most recent general rate case with the income statement for the proposed interim test year, including a description of all changes and corresponding dollar amounts.

Schedule D, part 2 of 3 of this volume compares the operating income statements for the most recent actual year, not adjusted for normal weather, for which audited data is available with the income statement for the test year, as adjusted, for interim rates, including a description of all changes and corresponding dollar amounts.

Schedule E, part 2 of 3 of this volume compares the operating income statement approved by the Commission in the most recent general rate case with the operating income statement for the most recent actual year, not adjusted for normal weather, for which audited data is available, including a description of all changes and corresponding dollar amounts.

Although the Commission's Statement of Policy does not require regulated companies to do so, Xcel Energy has included as Schedule B, Part 2 of 3 of this volume, a comparison of the operating income statement for this general rate case filing with the income statement for the proposed interim test year, including a description of all changes and corresponding dollar amounts.

Work papers for the above Interim Rate Petition Schedules are located in Volume 4 of this filing.

- 3) A schedule showing the interim proposed rate base. This schedule should show the same rate base accounts as filed in the general rate case. This schedule should include the average rate base approved by the Commission in the most recent general rate case; the equivalent average rate base corresponding with the most recent actual year for which audited data is available and corresponding with the same period in months as the test year, if the test year is a projected test year; and the average rate base proposed for interim rates. A description of all changes and corresponding dollar amounts between each of the rate bases should be provided. Work papers should be provided which show how the rate base components have been determined.

Notes:

Schedule C, Part 1 of 4 of this volume compares the average rate base approved by the Commission in the most recent general rate case with the average rate base proposed for interim rates, including a description of all changes and corresponding dollar amounts.

Schedule D, Part 1 of 3 of this volume compares the average rate base for the most recent actual year for which audited data is available with the average rate base proposed for interim rates, including a description of all changes and corresponding dollar amounts.

Schedule E, Part 1 of 3 of this volume compares the average rate base approved by the Commission in the most recent general rate case with average rate base for the most recent actual year for which audited data is available, including a description of all changes and corresponding dollar amounts.

Although not required by the Commission's Policy Statement, Xcel Energy has included as Schedule B, Part 1 of 3 of this volume, a comparison of the average rate base for this general rate case filing with the average rate base for the proposed interim test year, including a description of all changes and corresponding dollar amounts.

Work papers for the above Interim Rate Petition Schedules are located in Volume 4 of this filing.

- 4) A schedule showing revenue deficiency calculations for each of the operating income statements and rate bases requested in (2) and (3) above. The revenue deficiency should be calculated for the actual data and the interim data using the rate of return calculated in (1) above.

Notes:

Schedule C, Part 3 of 4 of this volume shows the revenue deficiency calculations for the most recent general rate case and for the proposed interim rates.

Schedule D, Part 3 of 3 of this volume shows the revenue deficiency calculations for the most recent actual year for which audited data is available and for the proposed interim rates.

Schedule E, Part 3 of 3 of this volume shows the revenue deficiency calculations for the 2014 test year from Docket No. E002/GR-13-868 from most recent general rate case and the most recent actual year for which audited data is available.

Although not required by the Commission's Policy Statement, Xcel Energy has included as Schedule B, Part 3 of 3 of this volume, the revenue deficiency calculations for this general rate case filing and for the proposed interim rates.

Note on Rounding:

The cost of service study on which these supporting schedules are based rounds numbers to the nearest thousand for display purposes. However, the subtotals and subsequent totals in the cost of service study are based on actual values resulting in occasional differences in the totals displayed and the sum of the line items. These supporting schedules were prepared using individual line items with subtotals and totals calculated on each schedule. This results in occasional differences between the subtotals and totals on the cost of service study and those on the supporting schedules.

DEFINITIONS

The following definitions have been used in this filing:

Proposed Interim Test Year

The proposed interim test year information is for the calendar year ending December 31, 2021 and includes the effect of rate making adjustments.

General Rate Case Filing

The general rate case filing information represents the budgets developed for the 2021 calendar year and includes the effects of rate making adjustments.

Most Recent General Rate Case

This information represents the financial data for the calendar test year ending December 31, 2019, (the 2019 illustrative test year) from Northern States Power Company's last Minnesota electric rate case (Docket No. E002/GR-15-826), as restated in Docket E,G999/CI-17-895 and approved by the Commission.

2018 Test Year from Docket No. E,G999/CI-17-895

This information represents the 2018 only financial data for the calendar test year ending December 31, 2018, (the 2018 illustrative test year) from Northern States Power Company's last Minnesota electric rate case (Docket No. E002/GR-15-826), as restated in Docket E,G999/CI-17-895 and approved by the Commission

Most Recent Actual Year

This information represents actual financial information for the calendar year ended December 31, 2018. The financial information is not adjusted to project results that may result under normal weather heating and cooling conditions.

Northern States Power Company
Electric Utility - State of Minnesota
2021 INTERIM RATE SCHEDULE
SUMMARY OF REVENUE REQUIREMENTS
(\$000's)

Docket No. E002/GR-19-564
Schedule A
Part 1 of 3
Page 1 of 1

| <u>Line No.</u> | <u>Description</u> | <u>2021 Interim Rate Petition Present Rates</u> |
|-----------------|---|---|
| 1 | Average Rate Base | \$8,226,239 |
| 2 | Operating Income | \$340,529 |
| 3 | Allowance for funds used during construction | \$31,000 |
| 4 | Total Available for Return | \$371,529 |
| 5 | Overall Rate of Return (Line 4 / Line 1) | 4.52% |
| 6 | Required Rate of Return | 6.82% |
| 7 | Required Operating Income (Line 1 x Line 6) | \$561,029 |
| 8 | Income Deficiency (Line 7 - Line 4) | \$189,500 |
| 9 | Gross Revenue Conversion Factor | 1.40335 |
| 10 | Revenue Deficiency (Line 8 x Line 9) | \$265,935 |
| 11 | Retail Related Revenues Under Present Rates | \$2,974,506 |
| 12 | Percentage Increase Needed in Overall Revenue (Line 10 / Line 11) | 8.94% |

Northern States Power Company
 Electric Utility - State of Minnesota
 2021 INTERIM RATE SCHEDULE
 STATEMENT OF OPERATING INCOME
 (\$000's)

Docket No. E002/GR-19-564
 Schedule A
 Part 2 of 3
 Page 1 of 1

| <u>Line</u> <u>No.</u> | <u>Description</u> | <u>2021 Interim</u> <u>Rate Petition</u> <u>Present Rates</u> |
|----------------------------------|--|---|
| <u>Operating Revenues</u> | | |
| 1 | Retail | \$2,974,012 |
| 2 | Interdepartmental | 494 |
| 3 | Other Operating | 559,705 |
| 4 | Total Operating Revenues | <u>\$3,534,211</u> |
| <u>Expenses</u> | | |
| Operating Expenses: | | |
| 5 | Fuel and Purchased Energy | \$937,984 |
| 6 | Power Production | 626,741 |
| 7 | Transmission | 249,696 |
| 8 | Distribution | 132,140 |
| 9 | Customer Accounting | 48,931 |
| 10 | Customer Service & Information | 105,532 |
| 11 | Sales, Econ Dvlp & Other | (5) |
| 12 | Administrative & General | 245,570 |
| 13 | Total Operating Expenses | <u>\$2,346,589</u> |
| 14 | Depreciation | \$669,907 |
| 15 | Amortizations | \$41,506 |
| Taxes: | | |
| 16 | Property | \$167,343 |
| 17 | Deferred Income Tax & ITC | (219,431) |
| 18 | Federal & State Income Tax | 160,449 |
| 19 | Payroll & Other | 27,318 |
| 20 | Total Taxes | <u>\$135,680</u> |
| 21 | Total Expenses | \$3,193,681 |
| 22 | Operating Income | 340,529 |
| 23 | Allowance for Funds Used During Construction | <u>\$31,000</u> |
| 24 | Total Operating Income | <u><u>\$371,529</u></u> |

Note: Revenues reflect calendar month sales.

Northern States Power Company
 Electric Utility - State of Minnesota
 2021 INTERIM RATE SCHEDULE
 DETAILED RATE BASE COMPONENTS
 (\$000's)

Docket No. E002/GR-19-564
 Schedule A
 Part 3 of 3
 Page 1 of 1

| <u>Line</u> <u>No.</u> | <u>Description</u> | <u>2021 Interim</u> <u>Rate Petition</u> <u>Present Rates</u> |
|---------------------------|---|---|
| | Electric Plant as Booked | |
| 1 | Production | \$10,775,427 |
| 2 | Transmission | 2,460,909 |
| 3 | Distribution | 4,136,381 |
| 4 | General | 1,009,727 |
| 5 | Common | 830,985 |
| 6 | TOTAL Utility Plant in Service | <u>19,213,429</u> |
| | Reserve for Depreciation | |
| 7 | Production | \$6,699,377 |
| 8 | Transmission | 682,603 |
| 9 | Distribution | 1,519,172 |
| 10 | General | 519,961 |
| 11 | Common | 402,441 |
| 12 | TOTAL Reserve for Depreciation | <u>9,823,555</u> |
| | Net Utility Plant in Service | |
| 13 | Production | \$4,076,049 |
| 14 | Transmission | 1,778,305 |
| 15 | Distribution | 2,617,209 |
| 16 | General | 489,766 |
| 17 | Common | 428,545 |
| 18 | Net Utility Plant in Service | <u>9,389,874</u> |
| 19 | Utility Plant Held for Future Use | \$0 |
| 20 | Construction Work in Progress | \$416,624 |
| 21 | Less: Accumulated Deferred Income Taxes | \$1,845,638 |
| 22 | Cash Working Capital | (\$127,124) |
| | Other Rate Base Items: | |
| 23 | Materials and Supplies | \$153,932 |
| 24 | Fuel Inventory | 65,875 |
| 25 | Non-Plant Assets & Liabilities | 81,070 |
| 26 | Prepayments and Other Working Capital | 91,626 |
| 27 | Total Other Rate Base Items | <u>392,502</u> |
| 28 | Total Average Rate Base | <u><u>8,226,239</u></u> |

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO GENERAL RATES
DETAILED RATE BASE COMPONENTS
(\$000's)

Docket No. E002/GR-19-564
Schedule B
Part 1 of 3
Page 1 of 4

| Line No. | Description | 2021 General Rate Case Filing (A) | 2021 Interim Rate Petition Present Rates (B) | Change (C) = (B) - (A) |
|-----------------|---|--|---|-------------------------------|
| | Electric Plant as Booked | | | |
| 1 | Production | \$11,481,125 | \$10,775,427 | (\$705,698) |
| 2 | Transmission | 3,359,259 | 2,460,909 | (898,350) |
| 3 | Distribution | 4,136,381 | 4,136,381 | - |
| 4 | General | 1,010,202 | 1,009,727 | (476) |
| 5 | Common | 830,985 | 830,985 | - |
| 6 | TOTAL Utility Plant in Service | \$20,817,953 | \$19,213,429 | (\$1,604,524) |
| | Reserve for Depreciation | | | |
| 7 | Production | \$6,774,974 | \$6,699,377 | (\$75,596) |
| 8 | Transmission | 787,936 | 682,603 | (105,332) |
| 9 | Distribution | 1,519,172 | 1,519,172 | - |
| 10 | General | 520,017 | 519,961 | (55) |
| 11 | Common | 402,441 | 402,441 | - |
| 12 | TOTAL Reserve for Depreciation | \$10,004,539 | \$9,823,555 | (\$180,984) |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,706,151 | \$4,076,049 | (\$630,102) |
| 14 | Transmission | 2,571,324 | 1,778,305 | (793,018) |
| 15 | Distribution | 2,617,209 | 2,617,209 | - |
| 16 | General | 490,186 | 489,766 | (420) |
| 17 | Common | 428,545 | 428,545 | - |
| 18 | Net Utility Plant in Service | \$10,813,415 | \$9,389,874 | (\$1,423,540) |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$417,804 | \$416,624 | (\$1,180) |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,187,638 | \$1,845,638 | (\$342,001) |
| 22 | Cash Working Capital | (\$127,030) | (\$127,124) | (\$93) |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$153,932 | \$153,932 | \$0 |
| 24 | Fuel Inventory | 65,875 | 65,875 | - |
| 25 | Non-Plant Assets & Liabilities | 81,070 | 81,070 | - |
| 26 | Prepayments and Other Working Capital | 92,118 | 91,626 | (492) |
| 27 | Total Other Rate Base Items | \$392,994 | \$392,502 | (\$492) |
| 28 | Total Average Rate Base | \$9,309,544 | \$8,226,239 | (\$1,083,305) |

**COMPARISON OF PROPOSED 2021 INTERIM RATES
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

A bridge schedule from the General Rate Petition rate base to the Interim Rate Petition rate base is provided on Schedule B, Part 1 of 3, Page 4 of 4.

Renewable Energy Standard (RES) Rider

The Company is proposing to include in the general rate petition the rate base components associated with certain wind projects previously recovered through the RES Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the RES Rider. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the roll in RES projects to eliminate any potential double recovery.

Transmission Cost Recovery (TCR) Project Roll-In Removal.

The Company is proposing to include in the general rate petition the rate base components associated with certain transmission projects previously recovered through the TCR Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the TCR Rider. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the roll in TCR projects to eliminate any potential double recovery.

Aurora Deferral Expense Amortization Removal.

The Company is requesting authorization to recover in the general rate petition the cost difference between the contracted PPA and the energy proxy price over the two year period 2020 - 2021. The interim rate revenue requirement is being adjusted to remove the rate base components associated with this deferral expense amortization request.

Railroad Island Solar Garden Removal.

The Railroad Island solar garden project is an Energy Supply generation project. In its petition for approval of this project in Docket No. E002/M-17-527, the Company stated that it would “ensure the non-participating retail ratepayers do not pay for the proposed solar garden facility” and the

Commission Order approving the project noted that the Company agreed “not to seek to recover the cost of the solar garden facility from its other ratepayers.” This interim adjustment removes the rate base components associated with this solar garden project.

Change in the Accumulated Deferred Income Tax (ADIT) Pro-Rate.

The Company has included the impacts on the change in the ADIT pro-rate calculation in determining the final revenue requirement. The Company has determined ADIT balances are required to be pro-rated in accordance with IRS Section 1.167(l)-(1)(h)(6) for forward looking test years, as such, an adjustment was included in the general rate petition. In this Interim Petition, the Company has revised the logic that is used to calculate the ADIT proration of the annual deferred income tax activity to eliminate double averaging. This updated logic allows the Company to be in compliance with the IRS Section 1.167(l)-(1)(h)(6) while ultimately minimizing the impact of this proration requirement on ratepayers. This interim rate base adjustment records the change in the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation.

The Company has included the impacts on the change in the Net Operating Loss (NOL) carried forward from prior years in determining the final revenue requirement. Because the Company has more tax deductions than it can utilize in 2020, the unused tax deductions need to be carried forward to a future period. The Company has determined the value of the NOL and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate base adjustment records the change in the NOL between the level calculated in determining the final revenue requirement and the interim cost of service.

Cash Working Capital

The amount of the Cash Working Capital rate base deduction increased for interim rates compared to the amount of Cash Working Capital included in the calculation of the final revenue requirement. The Cash Working Capital amount is determined by applying the various components of the lead/lag study to the test year revenue and expense amounts. Interim adjustments made to the income statement produced a net change in the overall Cash Working Capital requirement. This interim rate base adjustment records the change in Cash Working Capital between the level calculated in determining the final revenue requirement and the interim cost of service.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2021 INTERIM RATES TO GENERAL RATES
 DETAILED RATE BASE COMPONENTS
 (\$000's)

Docket No. E002/GR-19-564
 Schedule B
 Part 1 of 3
 Page 4 of 4

| Line No. | Description | 2021 General Rate Case Filing (1) | Interim Adjustments | | | | | Secondary Calculations | | | 2021 Interim Rate Petition Present Rates (1) |
|-----------------------|---|-----------------------------------|-------------------------|-------------------------|--------------------|-----------------------------|--------------------------|------------------------|-------------|--------------------------|--|
| | | | RES Roll In Removal (2) | TCR Roll In Removal (3) | Aurora Removal (4) | Railroad Island Removal (5) | ADIT Pro-Rate Update (6) | ADIT Pro-Rate Adj (7) | NOL Adj (8) | Cash Working Capital (9) | |
| 1 | Utility Plant in Service | \$20,817,953 | (\$730,032) | (\$873,072) | | (\$1,420) | | | | | \$19,213,429 |
| 2 | Less: Reserve for Depreciation | 10,004,539 | (\$77,156) | (\$103,781) | | (\$47) | | | | | \$9,823,555 |
| 3 | Net Utility Plant in Service | \$10,813,415 | (\$652,875) | (\$769,292) | \$0 | (\$1,373) | \$0 | \$0 | \$0 | \$0 | \$9,389,874 |
| 4 | Utility Plant Held for Future Use | \$0 | | | | | | | | | \$0 |
| 5 | Construction Work in Progress | \$417,804 | | (\$1,180) | | | | | | | \$416,624 |
| 6 | Less: Accumulated Deferred Income Taxes | \$2,187,638 | (\$137,710) | (\$183,094) | | (\$127) | \$689 | (21,759) | | | \$1,845,638 |
| 7 | Cash Working Capital | (\$127,030) | | | | | | | | (93) | (\$127,124) |
| Other Rate Base Items | | | | | | | | | | | |
| 8 | Materials and Supplies | \$153,932 | | | | | | | | | \$153,932 |
| 9 | Fuel Inventory | 65,875 | | | | | | | | | \$65,875 |
| 10 | Non-Plant Assets & Liabilities | 81,070 | | | | | | | | | \$81,070 |
| 11 | Prepayments and Other Working Capital | 92,118 | | | (\$492) | | | | | | \$91,626 |
| 12 | Total Other Rate Base Items | \$392,994 | \$0 | \$0 | (\$492) | \$0 | \$0 | \$0 | \$0 | \$0 | \$392,502 |
| 13 | Total Average Rate Base | \$9,309,544 | (\$515,166) | (\$587,378) | (\$492) | (\$1,246) | \$0 | (\$689) | \$21,759 | (\$93) | \$8,226,239 |

(1) Electric Utility - Minnesota Jurisdiction

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO GENERAL RATES
STATEMENT OF OPERATING INCOME
(\$000's)

Docket No. E002/GR-19-564
Schedule B
Part 2 of 3
Page 1 of 6

| Line No. | Description | 2021 General Rate Case Filing (A) | 2021 Interim Rate Petition Present Rates (B) | Change (C) = (B) - (A) |
|----------------------------------|---------------------------------|-----------------------------------|--|------------------------|
| <u>Operating Revenues</u> | | | | |
| 1 | Retail | \$3,080,450 | \$2,974,012 | (\$106,438) |
| 2 | Interdepartmental | 494 | 494 | 0 |
| 3 | Other Operating | 560,238 | 559,705 | (534) |
| 4 | Total Operating Revenues | \$3,641,182 | \$3,534,211 | (\$106,971) |
| <u>Expenses</u> | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Power | \$937,984 | \$937,984 | \$0 |
| 6 | Power Production | 639,126 | 626,741 | (12,385) |
| 7 | Transmission | 249,696 | 249,696 | 0 |
| 8 | Distribution | 132,140 | 132,140 | 0 |
| 9 | Customer Accounting | 48,931 | 48,931 | 0 |
| 10 | Customer Service & Information | 105,532 | 105,532 | 0 |
| 11 | Sales, Econ Dvlp & Other | (5) | (5) | 0 |
| 12 | Administrative & General | 252,269 | 245,570 | (6,699) |
| 13 | Total Operating Expenses | \$2,365,673 | \$2,346,589 | (\$19,084) |
| 14 | Depreciation | \$719,524 | \$669,907 | (\$49,617) |
| 15 | Amortization | \$43,475 | \$41,506 | (\$1,970) |
| Taxes: | | | | |
| 16 | Property | \$183,524 | \$167,343 | (\$16,181) |
| 17 | Deferred Income Tax & ITC | (172,672) | (219,431) | (46,759) |
| 18 | Federal & State Income Tax | 59,576 | 160,449 | 100,873 |
| 19 | Payroll & Other | 27,352 | 27,318 | (33) |
| 20 | Total Taxes | \$97,781 | \$135,680 | \$37,899 |
| 21 | Total Expenses | \$3,226,453 | \$3,193,681 | (\$32,771) |
| 22 | Operating Income | 414,729 | 340,529 | (\$74,200) |
| 23 | AFUDC | \$31,000 | \$31,000 | \$0 |
| 24 | Total Operating Income | \$445,729 | \$371,529 | (\$74,200) |

Note: Revenues reflect calendar month sales.

**COMPARISON OF PROPOSED 2021 INTERIM RATES
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Schedule B, Part 2 of 3, Pages 6 of 6, contains a bridge schedule itemizing the changes from General Rate Petition operating income statement to the Interim Rate Petition operating income statement. Thirteen adjustments have been made to bridge the General Petition operating income statement to the Proposed Interim operating income statement.

Renewable Energy Standard (RES) Project Roll-In Removal.

The Company is proposing to include in the final rates the cost components associated with certain wind projects previously recovered through the RES Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the RES rate for 2021. The interim rate revenue requirement is being adjusted to remove these cost components associated with the roll in RES projects to eliminate any potential double recovery.

Transmission Cost Recovery (TCR) Project Roll-In Removal.

The Company is proposing to include in the final rates the cost components associated with certain transmission projects previously recovered through the TCR Rider. However, until the final determination is made in this proceeding, the projects being requested to roll into final rates will continue to be included in the TCR rate for 2021. The interim rate revenue requirement is being adjusted to remove these cost components associated with the roll in TCR projects to eliminate any potential double recovery.

Aurora Deferral Expense Amortization Removal.

The Company is requesting authorization to recover in the general rate petition the cost difference between the contracted PPA and the energy proxy price over the two year period 2020 - 2021. The interim rate revenue requirement is being adjusted to remove the cost components associated with this deferral expense amortization request.

Railroad Island Solar Garden Removal.

The Railroad Island solar garden project is an Energy Supply generation project. In its petition for approval of this project in Docket No. E002/M-17-527, the Company stated that it would “ensure the non-participating retail

ratepayers do not pay for the proposed solar garden facility” and the Commission Order approving the project noted that the Company agreed “not to seek to recover the cost of the solar garden facility from its other ratepayers.” The interim rate revenue requirement is being adjusted to remove the cost components associated with this solar garden project.

Incentive Recovery Cap Reset to 15%.

The Company is requesting authorization to recover in the general rate petition incentive costs up to 20% of an individual’s base pay. The Company has previously been ordered to limit the incentive pay included in base rates to 15% of base pay. This interim rate revenue requirement is being adjusted to remove the cost components for the difference between the 20% and 15%.

Environmental Incentive Removal.

The Company is requesting authorization to recover in the general rate petition the long-term portion of incentive compensation related to environmental goals. The Company has previously denied recovery of any long-term incentive compensation. This interim rate revenue requirement is being adjusted to remove the cost components associated with the environmental portion of the long-term incentive.

Prairie Island Tribal Payments.

The Company is proposing to assign in final rates the full amount of the annual Prairie Island Tribal Payment as had been ordered in Order Point 4a in Docket No. E002/M-03-1544. The Company inadvertently had allocated the Tribal Payments in Docket E002/GR-15-826 and the allocated values were included as such in the Settlement. This interim rate revenue requirement adjustment is removing the incremental payment amount as if the payment was being allocated to other jurisdictions.

XES Allocation Labor Hours.

The Company’s proposed final rates include allocations of certain XES costs to operating companies based on a three-part general allocator that uses number of employees as one of the three factors. In prior rate proceedings, the number of employee’s factor was adjusted to use allocated labor hours with overtime in lieu of employee’s. This interim rate revenue requirement adjustment replaces the cost allocation base on employees with the calculation of costs assigned using labor hours.

Lobbying Labor Update.

During the Company's validation and review process, it was discovered that an isolated amount of lobbying labor was included in the general rate request and that a rebuttal adjustment was warranted. This interim rate revenue requirement is being adjusted to remove the lobbying labor.

Change In Cost Of Capital

The final revenue requirement includes a higher cost of equity than the last approved cost of equity in Docket No. E002/M-17-797. In Order Point 3 of Docket No. E002/M-17-797 the Commission ruled that Xcel must use an ROE of 9.06% in all electric dockets that require an ROE determination until the Commission issues an order in the Company's next rate case authorizing a different ROE. This also includes an updated to reflect a decrease in the cost of capital associated with a bond issuance after the cost of service in the general rate request was completed. This interim rate adjustment is the change in the cost of capital that results from using the currently proposed capital structure with the last authorized return on equity.

Change in the Accumulated Deferred Income Tax (ADIT) Pro-Rate.

The Company has included the impacts on the change in the ADIT pro-rate calculation in determining the final revenue requirement. The Company has determined ADIT balances are required to be pro-rated in accordance with IRS Section 1.167(l)-(1)(h)(6) for forward looking test years, based on that determination, an adjustment was included in the general rate petition. This interim adjustment records the change in the revenue requirement and income statement cost components associated with the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation

The Company has included the impacts on the change in the Net Operating Loss (NOL) carried forward from prior years in the final revenue requirement. Because the Company has more tax deductions/credits than it can utilize in 2020, the unused tax deductions/credits need to be carried forward to a future period. The Company has determined the value of the NOL and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate adjustment records the change in the

NOL between the level calculated in the final revenue requirements and the interim cost of service.

Cash Working Capital Change

This adjustment calculates the income statement impact of the change in cash working capital between the level included in calculating the final revenue requirement and the interim rate revenue requirement.

| Line No. | Description | 2021 General Rate Case Filing (1) | Interim Adjustments | | | | | | | | | | Secondary Calculations | | | 2021 Interim Rate Petition Present Rates (1) | Remove FCA Revenue and Fuel Expense (17) | 2021 Interim Total Net of Fuel (18) | | |
|----------|--|-----------------------------------|-------------------------|-------------------------|--------------------|-----------------------------|--------------------------|--------------------------|-----------------------------|--------------------------|---------------------------------|---------------------------|--------------------------------|-------------------------|----------------------|--|--|-------------------------------------|-----------------|-------------|
| | | | RES Roll In Removal (2) | TCR Roll In Removal (3) | Aurora Removal (4) | Railroad Island Removal (5) | ADIV Pro-Rate Update (6) | Incentive 20% to 16% (7) | Incentive Environmental (8) | PI Tribal Settlement (9) | XES Allocation Labor Hours (10) | Lobbying Labor Hours (11) | Change in Cost of Capital (12) | ADIT Pro-Rate Adj. (13) | NOL Calculation (14) | | | | CWC Change (16) | |
| 1 | Operating Revenues | \$3,080,450 | (\$21,060) | (\$85,366) | | | | | | | | | | | | | | \$2,974,012 | (\$786,055) | \$2,177,957 |
| 2 | Retail | 494 | | | | | | | | | | | | | | | | 494 | | 494 |
| 3 | Interdepartmental | 590,238 | | (1,242) | | | | | | | | | | | | | | 589,795 | | 589,795 |
| 4 | Other Operating | \$3,641,162 | (\$21,060) | (\$88,611) | \$0 | | | | | | | | | | | | | \$3,534,211 | (\$786,055) | \$2,738,156 |
| | Total Operating Revenues | | | | | | | | | | | | | | | | | | | |
| | Expenses | | | | | | | | | | | | | | | | | | | |
| | Operating Expenses: | | | | | | | | | | | | | | | | | | | |
| 5 | Fuel and Purchased Power | \$837,884 | | | | | | | | | | | | | | | | \$837,884 | (\$786,055) | \$141,829 |
| 6 | Power Production | 630,126 | (\$12,060) | | | | | | | | | | | | | | | 628,741 | | 628,741 |
| 7 | Transmission | 249,698 | | | | | | | | | | | | | | | | 249,698 | | 249,698 |
| 8 | Distribution | 132,140 | | | | | | | | | | | | | | | | 132,140 | | 132,140 |
| 9 | Customer Accounting | 48,931 | | | | | | | | | | | | | | | | 48,931 | | 48,931 |
| 10 | Customer Service & Information | 105,532 | | | | | | | | | | | | | | | | 105,532 | | 105,532 |
| 11 | Sales, Econ Dvlp & Other | (5) | | | | | | | | | | | | | | | | (5) | | (5) |
| 12 | Administrative & General | 252,289 | | | | | | | | | | | | | | | | 249,876 | | 249,876 |
| 13 | Total Operating Expenses | \$2,365,673 | (\$12,060) | \$0 | \$0 | \$0 | (\$1,176) | (\$2,009) | (\$325) | (\$3,355) | (\$178) | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,349,598 | (\$786,055) | \$1,550,534 | |
| 14 | Depreciation | \$719,524 | (\$31,316) | (\$18,236) | | | | | | | | | | | | | | \$689,807 | | \$689,807 |
| 15 | Amortizations | \$43,475 | | | (\$1,970) | | | | | | | | | | | | | 41,508 | | \$41,508 |
| | Taxes: | | | | | | | | | | | | | | | | | | | |
| 18 | Property | \$183,524 | | (\$13,454) | | | | | | | | | | | | | | \$187,343 | | \$187,343 |
| 17 | Deferred Income Tax & ITC | (172,672) | | (3,890) | | | | | | | | | | | | | | (219,431) | | (219,431) |
| 16 | Federal & State Income Tax | 59,576 | 85,472 | (8,292) | \$568 | \$128 | \$0 | \$338 | \$578 | \$93 | \$908 | \$51 | \$921 | \$4 | (\$20,129) | \$1 | 160,448 | | 160,448 | |
| 19 | Payroll & Other | 27,352 | | | | | | | | | | | | | | | | 27,318 | | \$27,318 |
| 20 | Total Taxes | \$97,781 | \$80,113 | (\$25,626) | \$568 | \$20 | \$0 | \$338 | \$578 | \$93 | \$938 | \$51 | \$921 | \$4 | (\$98) | \$1 | \$159,680 | | \$159,680 | |
| 21 | Total Expenses | \$3,226,453 | \$18,737 | (\$43,864) | (\$1,401) | (\$42) | \$0 | (\$838) | (\$1,432) | (\$232) | (\$2,400) | (\$127) | \$921 | \$4 | (\$88) | \$1 | \$3,193,681 | (\$786,055) | \$2,397,626 | |
| 22 | Operating Income | \$414,729 | (\$37,805) | (\$42,747) | \$1,401 | \$15 | \$0 | \$838 | \$1,432 | \$232 | \$2,400 | \$127 | (\$185) | (\$4) | \$98 | (\$1) | \$340,529 | \$0 | \$340,529 | |
| 23 | Allowance for Funds Used During Construction | \$31,000 | | | | | | | | | | | | | | | | \$31,000 | | \$31,000 |
| 24 | Total Operating Income | \$445,729 | (\$37,805) | (\$42,747) | \$1,401 | \$15 | \$0 | \$838 | \$1,432 | \$232 | \$2,400 | \$127 | (\$185) | (\$4) | \$98 | (\$1) | \$371,529 | \$0 | \$371,529 | |
| | Revenue Requirement | | | | | | | | | | | | | | | | | | | |
| 25 | Total Rate Base | \$9,309,544 | (\$915,186) | (\$567,378) | (\$492) | (\$1,246) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$988) | \$21,758 | (\$83) | \$8,226,239 | | \$8,226,239 | |
| 26 | Reserve Operating Inc (RB * Reg Return) | \$893,561 | (\$38,350) | (\$43,769) | (\$37) | (\$63) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$51,025) | (\$51) | \$1,621 | (\$7) | \$861,029 | | \$861,029 | |
| 27 | Operating Income | \$445,729 | (\$37,805) | (\$42,747) | \$1,401 | \$15 | \$0 | \$838 | \$1,432 | \$232 | \$2,400 | \$127 | (\$185) | (\$4) | \$98 | (\$1) | \$371,529 | | \$371,529 | |
| 28 | Operating Income Deficiency | \$247,632 | (\$573) | (\$1,437) | (\$1,437) | (\$108) | \$0 | (\$838) | (\$1,432) | (\$232) | (\$2,400) | (\$127) | (\$51,640) | (\$47) | \$1,523 | (\$8) | \$189,500 | | \$189,500 | |
| 29 | Revenue Deficiency | \$347,785 | (\$805) | (\$1,422) | (\$2,017) | (\$151) | \$0 | (\$1,176) | (\$2,009) | (\$325) | (\$3,389) | (\$178) | (\$72,468) | (\$88) | \$2,137 | (\$9) | \$285,835 | | \$285,835 | |

Notes:(1) Electric Utility - Minnesota Jurisdiction

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2021 INTERIM RATES TO GENERAL RATES
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

Docket No. E002/GR-19-564
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| <u>Line No.</u> | <u>Description</u> | <u>2021 General Rate Case Filing (A)</u> | <u>2021 Interim Rate Petition Present Rates (B)</u> | <u>Change (C) = (B) - (A)</u> |
|-----------------|--|--|---|-------------------------------|
| 1 | Average Rate Base | \$9,309,544 | \$8,226,239 | (\$1,083,305) |
| 2 | Required Rate of Return | 7.45% | 6.82% | -0.63% |
| 3 | Operating Income Requirement (Line 1 x Line 2) | \$693,561 | \$561,029 | (\$132,532) |
| 4 | Operating Income Under Present Rates | \$445,729 | \$371,529 | (\$74,200) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$247,832 | \$189,500 | (\$58,332) |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 0.00000 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$347,795 | \$265,935 | (\$81,860) |

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO PRESENT RATES
DETAILED RATE BASE COMPONENTS
(\$000's)

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| Line No. | Description | Present Rates General Rate Case Approved E,G999/CI-17-895 (1) (A) | 2021 Interim Rate Petition Present Rates (B) | Change (C) = (B) - (A) |
|----------|---|---|---|---------------------------|
| | Electric Plant as Booked | | | |
| 1 | Production | \$10,060,608 | \$10,775,427 | \$714,819 |
| 2 | Transmission | 2,397,725 | 2,460,909 | 63,184 |
| 3 | Distribution | 3,658,370 | 4,136,381 | 478,011 |
| 4 | General | 888,530 | 1,009,727 | 121,196 |
| 5 | Common | 781,187 | 830,985 | 49,799 |
| 6 | TOTAL Utility Plant in Service | \$17,786,420 | \$19,213,429 | 1,427,009 |
| | Reserve for Depreciation | | | |
| 7 | Production | \$6,015,790 | \$6,699,377 | \$683,587 |
| 8 | Transmission | 619,062 | 682,603 | 63,541 |
| 9 | Distribution | 1,391,483 | 1,519,172 | 127,689 |
| 10 | General | 451,746 | 519,961 | 68,215 |
| 11 | Common | 412,713 | 402,441 | (10,272) |
| 12 | TOTAL Reserve for Depreciation | \$8,890,795 | \$9,823,555 | \$932,760 |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,044,818 | \$4,076,049 | \$31,232 |
| 14 | Transmission | 1,778,663 | 1,778,305 | (357) |
| 15 | Distribution | 2,266,887 | 2,617,209 | 350,322 |
| 16 | General | 436,784 | 489,766 | 52,981 |
| 17 | Common | 368,473 | 428,545 | 60,071 |
| 18 | Net Utility Plant in Service | \$8,895,625 | \$9,389,874 | \$494,249 |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$380,350 | \$416,624 | \$36,273 |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,151,719 | \$1,845,638 | (\$306,081) |
| 22 | Cash Working Capital | (\$111,130) | (\$127,124) | (\$15,993) |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$135,797 | \$153,932 | \$18,134 |
| 24 | Fuel Inventory | \$73,476 | 65,875 | (7,601) |
| 25 | Non-Plant Assets & Liabilities | \$27,456 | 81,070 | 53,614 |
| 26 | Prepayments and Other Working Capital | \$151,609 | 91,626 | (59,983) |
| 27 | Total Other Rate Base Items | \$388,338 | \$392,502 | \$4,164 |
| 28 | Total Average Rate Base | \$7,401,465 | \$8,226,239 | \$824,774 |

(1) 2019 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

**COMPARISON OF PROPOSED 2021 INTERIM RATES TO THE MOST
RECENT COMMISSION APPROVED GENERAL RATE CASE
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

Total Average Rate Base proposed by Xcel Energy for 2021 interim rates has increased approximately \$825 million, an average annual increase of 5.6 percent over the final rate base level approved in Docket No. E,G999/CI-17-895.

Net Utility Plant in Service has increased \$494 million. The primary driver of this growth has been the additional Company investments in the Distribution, Common, and General functional assets. Changes in these functional classes account for approximately 94% of the Net Plant increase.

Net Production Plant has increased by \$31 million (capital additions of approximately \$715 million offset by increases in depreciation reserves of approximately \$684 million), Net Transmission Plant held basically flat, while the Net Distribution Plant has increased by \$350 million (capital additions of \$478 million offset by approximately \$128 million of depreciation reserve). Net General Plant increased approximately \$53 million (\$121 million of additions offset by \$68 million of reserve) and \$60 million increase in Net Common Plant accounts for the remainder of the overall Net Plant increase.

Construction Work in Progress between the two periods has increased approximately \$36 million as ongoing construction activity, specifically Distribution and Intangible functional classes exceeded timing of project completions and in-servicing activities between the two periods.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, decreased \$306 million. This decrease is a function of lower plant related deferred taxes attributed across the functional classes of approximately \$74 million and higher levels of deferred tax credits (which lower the deferred tax balances) of \$225 million.

Since the last General Rate Order, Cash Working Capital requirements, a rate based deduction, have increased by approximately \$16 million, causing a decrease to the average Rate Base. The Company's 2021 average expense lead days increased to 56.05 from 55.71 in the 2019 test year, meaning that the Company's cash outlay for paying expenses has increased by an average of 0.34 days, for the same periods the

average revenue lag days decreased to 39.63 in from 41.69. This means that revenues are being collected on average 2.06 days sooner in the interim cost of service. The net effect of the lead/lag changes is that the Company is holding onto customer's cash longer in the test year and therefor the rate base offset for Cash Working Capital is higher. Cash Working Capital requirements are calculated by revenue collection (revenue lag) and expense payment (expense lead) principles established first by a Lead/Lag Study, and then applied to the projected Revenues and Operating Costs for the Test Year.

The Other Rate Base category resulted in a net increase to Average Rate Base of \$4 million. This increase was driven by an overall increase in Non-Plant Assets and Liabilities of approximately \$54 million and an increase in Materials and Supplies of \$18 million. These increases are being offset by decreases in Prepayments and Other Working Capital of approximately \$60 million (decreases in Customer Deposits and Prepayments balances accounted for approximately 75% of the decline), and a decrease in Fuel Inventory of approximately \$8 million.

In summary, the net effect of the increase in Net Plant in Service, \$494 million, the increase in CWIP of \$36 million, the decreased Accumulated Deferred Income Taxes (an increase to rate base) of \$306 million, the increase in Cash Working Capital approximately \$16 million, and the \$4 million increase in Other Rate Base Items accounts for the approximately \$825 million increase in Total Average Rate Base for the proposed 2021 interim rate period.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2021 INTERIM RATES TO PRESENT RATES
 STATEMENT OF OPERATING INCOME
 (\$000's)

Docket No. E002/GR-19-564
 Schedule C
 Part 2 of 4
 Page 1 of 3

| Line No. | Description | Present Rates | 2021 Interim | Change (C) = (B) - (A) |
|---------------------------|------------------------------------|--|---------------------------------------|---------------------------|
| | | From Most Recent General Rate Case Approved E,G999/CI-17-895 (1) (A) | Rate Petition Present Rates (B) | |
| Operating Revenues | | | | |
| 1 | Retail | \$3,188,988 | \$2,974,012 | (\$214,976) |
| 2 | Interdepartmental | 672 | 494 | (178) |
| 3 | Other Operating | 687,000 | 559,705 | (127,295) |
| 4 | Total Operating Revenues | \$3,876,660 | \$3,534,211 | (\$342,449) |
| Expenses | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Energy | \$1,125,206 | \$937,984 | (\$187,222) |
| 6 | Power Production | 684,262 | 626,741 | (57,521) |
| 7 | Transmission | 250,967 | 249,696 | (1,271) |
| 8 | Distribution | 111,186 | 132,140 | 20,954 |
| 9 | Customer Accounting | 50,555 | 48,931 | (1,624) |
| 10 | Customer Service & Information (2) | 95,067 | 105,532 | 10,465 |
| 11 | Sales, Econ Dvlp & Other | 69 | (5) | (74) |
| 12 | Administrative & General | 224,433 | 245,570 | 21,137 |
| 13 | Total Operating Expenses | \$2,541,744 | \$2,346,589 | (\$195,155) |
| 14 | Depreciation | \$568,522 | \$669,907 | \$101,385 |
| 15 | Amortizations | \$24,140 | \$41,506 | \$17,366 |
| Taxes: | | | | |
| 16 | Property | \$198,796 | \$167,343 | (\$31,453) |
| 17 | Deferred Income Tax & ITC | (2,106) | (219,431) | (217,325) |
| 18 | Federal & State Income Tax | 19,539 | 160,449 | 140,911 |
| 19 | Payroll & Other | 29,896 | 27,318 | (2,577) |
| 20 | Total Taxes | \$246,124 | \$135,680 | (\$110,444) |
| 21 | Total Expenses | \$3,380,530 | \$3,193,681 | (\$186,848) |
| 22 | Operating Income | \$496,130 | \$340,529 | (\$155,601) |
| 23 | AFUDC | \$27,894 | \$31,000 | \$3,106 |
| 24 | Total Operating Income | \$524,024 | \$371,529 | (\$152,494) |

Notes: Revenues reflect calendar month sales.

(1) 2019 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

**COMPARISON OF PROPOSED 2021 INTERIM RATES TO MOST
RECENT COMMISSION APPROVED GENERAL RATE CASE
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the Company's test year utility operating income approved by the Commission in Docket No. E,G999/CI-17-895 with the 2021 test year operating income proposed in the Company's interim rate petition shows a decrease in operating income of \$152 million.

Major components of the change in utility operating income include the following:

Total Operating Revenues decreased \$342 million, which is the combination of decreased Retail Electric revenues of approximately \$215 million and decreased Other Revenues of \$127 million. The Retail revenue decrease is primarily associated lower fuel costs resulting in lower fuel revenues between the 2021 test year and the level authorized in Docket No. E,G999/CI-17-895.

Other Revenue decreased by \$127 million. This decrease was driven by a decrease of \$69 million in projected billings to Northern States Power Company (Wisconsin) under the provisions of the Interchanges Agreement, and a \$56 million decrease due to net regulatory adjustments between the current interim request and the other revenue level included in the settlement of the 2019 test year. Net other revenues components decreased \$2 million.

Fuel and Purchased Energy costs have decreased by \$187 million compared to the last General Rate Order. Reduction in both steam related fuel costs and purchased power contributed to the decrease. Power Production operation costs have decreased by approximately \$58 million primarily associated with decreases in both nuclear and steam operations.

Other Operating Expenses increased by approximately \$50 million. The changes that occurred in the various cost functions are: Transmission expense decreased \$1 million; Distribution expense increased approximately \$21 million; Customer Accounting decreased approximately \$2 million; Customer Services and Information increased \$10 million and is due primarily to a \$10 million increase in CIP program costs; and finally, Administrative and General expense increased

approximately \$21 million related principally to increased salaries, rents, and outside services.

Depreciation expense increased \$101 million, driven by higher annual depreciation specifically in the Production, Nuclear Decommissioning, Distribution and Intangible functional classes which account for approximately 91% of the increase.

Amortization costs in the Interim Rate Petition increased \$17 million compared with the current level in base rates. This change is driven by an increase in the RDF related rider revenues that are included in current revenues. An amortization expense is recorded in the test year to offset the rider revenue thereby keeping the RDF rider earnings neutral. In addition, the amortization increase includes rate case expense amortization.

Property Taxes decreased \$31 million across all the functional classes. Production is lower by approximately \$15 million, Transmission is lower by \$8 million and Distribution lower by approximately \$8 million.

Deferred Income Taxes have decreased by \$217 million while Current Federal & State Income Taxes increased approximately \$141 million; these changes are associated with accounting treatment for Federal Tax Credits in the 2021 Interim period relative to the 2019 test year.

Payroll and other taxes have decreased approximately \$3 million between the two periods.

Compared to the last electric general rate Order, Allowance for Funds Used During Construction increased approximately \$3 million.

Northern States Power Company
 Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO PRESENT RATES
SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

Docket No. E002/GR-19-564
 Schedule C
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 Page 1 of 1

| Line No. | Description | Present Rates | 2021 Interim | Change (C) = (B) - (A) |
|----------|--|--|---------------------------------------|---------------------------|
| | | From Most Recent General Rate Case Approved E,G999/CI-17-895 (1) (A) | Rate Petition Present Rates (B) | |
| 1 | Average Rate Base | \$7,401,465 | \$8,226,239 | \$824,774 |
| 2 | Required Rate of Return | 7.08% | 6.82% | -0.26% |
| 3 | Operating Income Requirement (Line 1 x Line 2) | \$524,024 | \$561,029 | \$37,006 |
| 4 | Operating Income Under Present Rates | \$524,024 | \$371,529 | (\$152,495) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$0 | \$189,500 | \$189,500 |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 0.00000 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$0 | \$265,935 | \$265,935 |

(1) 2019 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

Northern States Power Company
 Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO PRESENT RATES
CAPITAL STRUCTURE AND RATE OF RETURN CALCULATIONS
 (\$000's)

Docket No. E002/GR-19-564
 Schedule C
 Part 4 of 4
 Page 1 of 2

| Line No. | Capitalization: | Amount (A) | Percent of Total Capitalization (B) | Cost of Capital (C) | Weighted Cost of Capital (D) |
|--|-------------------------------|--------------|-------------------------------------|---------------------|------------------------------|
| I. Capital Structure and Rate of Return Calculation Approved by the Commission in the Most Recent General Rate Case (Docket E002/GR-15-826) | | | | | |
| 1 | Long-Term Debt | \$4,716,554 | 45.81% | 4.75% | 2.18% |
| 2 | Short-Term Debt | \$173,470 | 1.69% | 4.31% | 0.07% |
| 3 | Long-Term and Short-Term Debt | \$4,890,024 | 47.50% | | 2.25% |
| 4 | Preferred Stock | \$0 | 0.00% | 0.00% | 0.00% |
| 5 | Net Common Equity | \$5,404,844 | 52.50% | 9.20% | 4.83% |
| 6 | Total Equity | \$5,404,844 | 52.50% | | 4.83% |
| 7 | Total Capitalization | \$10,294,868 | 100.00% | | 7.08% |

| | | | | | |
|---|-------------------------------|--------------|---------|---------|-------|
| II. Capital Structure and Rate of Return Calculation for Proposed 2021 Interim Rates | | | | | |
| 8 | Long-Term Debt | \$6,267,923 | 46.28% | 4.37% | 2.02% |
| 9 | Short-Term Debt | \$165,327 | 1.22% | 2.99% | 0.04% |
| 10 | Long-Term and Short-Term Debt | \$6,433,250 | 47.50% | | 2.06% |
| 11 | Preferred Stock | \$0 | 0.00% | 0.00% | 0.00% |
| 12 | Net Common Equity | \$7,109,797 | 52.50% | 9.06% * | 4.76% |
| 13 | Total Equity | \$7,109,797 | 52.50% | | 4.76% |
| 14 | Total Capitalization | \$13,543,047 | 100.00% | | 6.82% |

III. Amount of Changes Between I and II

| | Amount | | Change (C) = (B) - (A) |
|-------------------------------|--|--------------------------------|------------------------|
| | Fiscal Year Most Recent General Rate Case Approved (A) | Proposed 2021 Interim Rate (B) | |
| Long-Term Debt | \$4,716,554 | \$6,267,923 | \$1,551,369 |
| Short-Term Debt | \$173,470 | \$165,327 | (\$8,143) |
| Long-Term and Short-Term Debt | \$4,890,024 | \$6,433,250 | \$1,543,226 |
| Preferred Stock | \$0 | \$0 | \$0 |
| Net Common Equity | \$5,404,844 | \$7,109,797 | \$1,704,953 |
| Total Equity | \$5,404,844 | \$7,109,797 | \$1,704,953 |
| Total Capitalization | \$10,294,868 | \$13,543,047 | \$3,248,179 |

* ROE of 9.06% being used as ordered in Docket E002/M-17-797.

**COMPARISON OF PROPOSED INTERIM RATES TO MOST RECENT
COMMISSION APPROVED GENERAL RATE CASE
CAPITAL STRUCTURE AND RATE OF RETURN CALCULATIONS
DESCRIPTION OF CHANGES**

The overall combined capitalization ratio (Debt and Equity) has remained constant between the periods. The short term/long term debt capitalization ratio has shifted increasing long-term while lowering the short-term percentage.

The Long-term Debt portion of the capital structure proposed for use in determining the interim rate revenue requirement increased by \$1.55 billion, compared to the last electric general rate case filing in Docket No. E002/GR-15-526.

The Short-term Debt component proposed for use in the interim capital structure decreased \$8 million, compared to the last electric General Rate Order.

The overall reduction in the weighted cost of debt (2.06% compared to 2.25%) used in the interim revenue requirement calculations is driven by the lower cost of both long-term and short-term debt between the periods. The combination of new debt issuances and refinancing's at lower rates has contributed to the overall decrease in the weighted cost of debt.

Common Equity increased by \$1.70 billion primarily based on the increases in Retained Earnings.

The weighted cost of equity decrease (4.76% compared to 4.83%) used in the interim revenue requirements calculations is associated with the use of the 9.06% ROE being used in the calculation. In Docket E002/M-17-797 the MPUC ordered a 9.06% ROE.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2018 ACTUAL
DETAILED RATE BASE COMPONENTS
(\$000's)

Docket No. E002/GR-19-564
Schedule D
Part 1 of 3
Page 1 of 3

| Line No. | Description | Actual 2018 Adjusted (1) (A) | 2021 Interim Rate Petition Present Rate (B) | Change (C) = (B) - (A) |
|----------|---|---------------------------------|--|---------------------------|
| | Electric as Booked | | | |
| 1 | Production | \$9,774,851 | \$10,775,427 | \$1,000,576 |
| 2 | Transmission | 2,306,248 | 2,460,909 | 154,661 |
| 3 | Distribution | 3,543,665 | 4,136,381 | 592,716 |
| 4 | General | 826,751 | 1,009,727 | 182,976 |
| 5 | Common | 594,549 | 830,985 | 236,436 |
| 6 | TOTAL Utility Plant in Service | <u>\$17,046,063</u> | <u>\$19,213,429</u> | <u>\$2,167,366</u> |
| | Reserve for Depreciation | | | |
| 7 | Production | \$5,586,327 | \$6,699,377 | \$1,113,051 |
| 8 | Transmission | 569,836 | 682,603 | 112,768 |
| 9 | Distribution | 1,320,329 | 1,519,172 | 198,843 |
| 10 | General | 351,376 | 519,961 | 168,585 |
| 11 | Common | 224,610 | 402,441 | 177,830 |
| 12 | TOTAL Reserve for Depreciation | <u>\$8,052,478</u> | <u>\$9,823,555</u> | <u>\$1,771,076</u> |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,188,524 | \$4,076,049 | (\$112,475) |
| 14 | Transmission | 1,736,412 | 1,778,305 | 41,894 |
| 15 | Distribution | 2,223,336 | 2,617,209 | 393,873 |
| 16 | General | 475,374 | 489,766 | 14,391 |
| 17 | Common | 369,939 | 428,545 | 58,606 |
| 18 | Net Utility Plant in Service | <u>\$8,993,585</u> | <u>\$9,389,874</u> | <u>\$396,290</u> |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$404,857 | \$416,624 | \$11,767 |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,249,372 | \$1,845,638 | (\$403,734) |
| 22 | Cash Working Capital | (\$162,486) | (\$127,124) | \$35,362 |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$168,024 | \$153,932 | (\$14,092) |
| 24 | Fuel Inventory | 68,794 | 65,875 | (2,919) |
| 25 | Non-Plant Assets & Liabilities | 54,318 | 81,070 | 26,752 |
| 26 | Prepayments and Other Working Capital | 93,980 | 91,626 | (2,354) |
| 27 | Total Other Rate Base Items | <u>\$385,115</u> | <u>\$392,502</u> | <u>\$7,388</u> |
| 28 | Total Average Rate Base | <u><u>\$7,371,698</u></u> | <u><u>\$8,226,239</u></u> | <u><u>\$854,540</u></u> |

(1) Rate base components for the TCR and RES riders have been excluded.

**COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2018
ACTUAL
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

Total Average Rate Base used to determine the interim rate revenue requirement increased by \$855 million from 2018, the most recent actual fiscal year. The net increase is driven by increased Net Plant in Service which increased by \$396 million, increased Construction Work in Progress (“CWIP”) of \$12 million, decreased Accumulated Deferred Income Taxes, (which increases Rate Base) of approximately \$404 million, a decrease to Cash Working Capital (which increases rate base) of \$35 million and a decrease in Other Rate Base of approximately \$7 million.

The Net Plant in Service, based upon the comparative data provided in Schedule D, Part 1, page 1, identifies a decrease in Net Production Plant of \$112 million. Net Transmission Plant increased approximately \$41 million (current investments in these functional classes generally are included in various rider mechanisms). Net Distribution Plant increased approximately \$394 million. Net General and Common functional classes have a combined increase totaling \$73 million.

Construction Work in Progress increased approximately \$12 million due to completion of construction projects that have been placed into service.

Accumulated Deferred Income Taxes, a reduction of average rate base, decreased by approximately \$404 million. The change is caused in part by three years of excess deferred income tax flow-back associated with the decrease in Federal income tax rates beginning in 2018, as well as discontinuation of bonus tax depreciation.

Cash Working Capital, a negative rate base component, decreased by \$35 million compared to the most recent actual fiscal year, increasing average Rate Base. On average, the Company in 2021 is trending to remit payments to vendors sooner than while revenue collections has remained fairly static. This means that the Company is not holding onto the customers cash for as long a time period and thus lowering the Cash working Capital component of rate base.

Other Rate Base Items resulted in a collective increase in average rate base of approximately \$7 million. This increase was driven by an increase in Non-Plant of \$27 million. Partially offsetting that increase were decreases in Materials and Supplies, Fuel Inventory and Prepayments and Other Working Capital of \$19 million between the two periods.

In summary, the net effect of the increase in Net Plant in Service of \$396 million, the decrease in CWIP, of \$12 million, the decrease in Accumulated Deferred Income Taxes (an increase to rate base), approximately \$404 million, the decrease in Cash Working Capital of \$35 million, and the approximate \$7 million decrease from Other Rate Base Items accounts for the \$855 million overall increase in Total Average Rate Base used to determine the 2021 interim revenue requirement.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2018 ACTUAL
 STATEMENT OF OPERATING INCOME
 (\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) (A) | 2021 Interim Rate Petition Present Rate (B) | Change (C) = (B) - (A) |
|---------------------------|---------------------------------|---------------------------------|--|---------------------------|
| Operating Revenues | | | | |
| 1 | Retail | \$2,984,186 | \$2,974,012 | (\$10,174) |
| 2 | Interdepartmental | 692 | 494 | (198) |
| 3 | Other Operating | 542,345 | 559,705 | 17,359 |
| 4 | Total Operating Revenues | \$3,527,223 | \$3,534,211 | \$6,987 |
| Expenses | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Energy | \$1,064,648 | \$937,984 | (\$126,664) |
| 6 | Power Production | 594,568 | 626,741 | 32,174 |
| 7 | Transmission | 137,334 | 249,696 | 112,362 |
| 8 | Distribution | 108,027 | 132,140 | 24,113 |
| 9 | Customer Accounting | 49,110 | 48,931 | (179) |
| 10 | Customer Service & Information | 146,674 | 105,532 | (41,143) |
| 11 | Sales, Econ Dvlp & Other | 46 | (5) | (51) |
| 12 | Administrative & General | 212,730 | 245,570 | 32,840 |
| 13 | Total Operating Expenses | \$2,313,138 | \$2,346,589 | \$33,451 |
| 14 | Depreciation | \$550,796 | \$669,907 | \$119,111 |
| 15 | Amortizations | \$67,177 | \$41,506 | (\$25,671) |
| Taxes: | | | | |
| 16 | Property | \$163,496 | \$167,343 | \$3,847 |
| 17 | Deferred Income Tax & ITC | (17,938) | (219,431) | (201,493) |
| 18 | Federal & State Income Tax | 2,021 | 160,449 | 158,429 |
| 19 | Payroll & Other | 27,428 | 27,318 | (110) |
| 20 | Total Taxes | \$175,007 | \$135,680 | (\$39,327) |
| 21 | Total Expenses | \$3,106,119 | \$3,193,681 | \$87,563 |
| 22 | Operating Income | \$421,105 | \$340,529 | (\$80,575) |
| 23 | AFUDC | \$29,731 | \$31,000 | \$1,269 |
| 24 | Total Operating Income | \$450,835 | \$371,529 | (\$79,306) |

Note: Revenues reflect calendar month sales.

(1) Revenues and expenses for Transmission Cost Recovery (TCR) and Renewable Energy Standard (RES) rider have been excluded.

**COMPARISON OF PROPOSED 2021 INTERIM RATES
TO 2018 ACTUAL
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the operating income used to determine interim rates to actual operating income from 2018, the most recent fiscal year, shows a decrease of \$79 million.

Major components of the change in utility operating income include the following:

Total Retail Electric revenues increased \$7 million, with Other Retail Revenues accounting for \$17 million of the increase. This Other Retail Revenue increase has many factors, but the driving force of the increase is primarily due to the 2021 Interchange Agreement revenues. The increase in Interchange Agreement revenues are growing from 3 to 5 percent per year (year over year). Retail Revenues decreased the remaining \$10 million between the two years with no single item driving the decrease.

Compared to the 2018 fiscal year, the cost of Fuel and Purchased Energy decreased by \$127 million. The cost of Power Production increased by \$32 million.

Excluding the cost of Fuel, Purchased Energy and Power Production, other operating expenses have a net increase of approximately \$128 million in total. Transmission expenses increase by \$112 million. Distribution expenses increased by \$24 million. Customer Accounting remained flat, while Customer Service & Information decreased by \$41 million (approximately all of the decrease is attributed to a \$41 million decrease in CIP Program costs between the 2021 test year and the 2018 Actual Year). Sales remained relatively flat between the two periods and Administrative & General expenses had an increase of \$33 million.

Depreciation expense is projected to increase by \$119 million driven by increased plant in service.

Amortizations decreased approximately \$26 million between the two periods. This decrease is mainly driven by the completion of the Decoupling/Sales True Up, \$18 million and the amortization of the Property Tax Deferral, \$8 million.

Taxes Other than Income Taxes increased approximately \$4 million, driven exclusively by increase in Property Taxes of \$4 million. Payroll & Other Taxes remained relatively flat between the two periods.

Current Federal and State Income Taxes increased by approximately \$158 million. Deferred Income Taxes decreased approximately \$201 million mainly because of book to tax timing differences.

Allowance for Funds Used During Construction increased by approximately \$1 million.

The changes described above in aggregate account for the \$79 million decrease in utility operating income for the proposed 2021 interim rate revenue requirement compared to the most recent fiscal year.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2018 ACTUAL
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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| <u>Line No.</u> | <u>Description</u> | <u>Actual 2018 Adjusted (1)</u> <u>(A)</u> | <u>2021 Interim Rate Petition Present Rate</u> <u>(B)</u> | <u>Change</u> <u>(C) = (B) - (A)</u> |
|-----------------|--|---|--|---|
| 1 | Average Rate Base | \$7,371,698 | \$8,226,239 | \$854,540 |
| 2 | Required Rate of Return | 7.00% | 6.82% | -0.18% |
| 3 | Operating Income Requirement (Line 1 x Line 2) | \$516,019 | \$561,029 | \$45,010 |
| 4 | Operating Income Under Present Rates | \$450,835 | \$371,529 | (\$79,306) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$65,184 | \$189,500 | \$124,316 |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 1.40335 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$91,476 | \$265,935 | \$174,460 |

(1) Rate base components, revenues and expenses for TCR and RES riders have been excluded.

Northern States Power Company
Electric Utility - State of Minnesota
2018 Actuals versus the 2018 Allowed Test Year
DETAILED RATE BASE COMPONENTS
(\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) (A) | General Rate Case Approved E,G999/CI-17-895 (2) (B) | Change (C) = (A) - (B) |
|----------|---|---------------------------------|--|---------------------------|
| | Electric Plant as Booked | | | |
| 1 | Production | \$9,774,851 | \$9,749,355 | \$25,496 |
| 2 | Transmission | 2,306,248 | 2,301,595 | 4,652 |
| 3 | Distribution | 3,543,665 | 3,516,302 | 27,363 |
| 4 | General | 826,751 | 827,938 | (1,188) |
| 5 | Common | 594,549 | 725,535 | (130,986) |
| 6 | TOTAL Utility Plant in Service | \$17,046,063 | \$17,120,725 | (\$74,662) |
| | Reserve for Depreciation | | | |
| 7 | Production | \$5,586,327 | \$5,644,011 | (\$57,684) |
| 8 | Transmission | 569,836 | 585,833 | (15,997) |
| 9 | Distribution | 1,320,329 | 1,333,146 | (12,817) |
| 10 | General | 351,376 | 390,194 | (38,818) |
| 11 | Common | 224,610 | 362,619 | (138,009) |
| 12 | TOTAL Reserve for Depreciation | \$8,052,478 | \$8,315,803 | (\$263,325) |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,188,524 | \$4,105,344 | \$83,180 |
| 14 | Transmission | 1,736,412 | 1,715,763 | 20,649 |
| 15 | Distribution | 2,223,336 | 2,183,156 | 40,180 |
| 16 | General | 475,374 | 437,744 | 37,630 |
| 17 | Common | 369,939 | 362,916 | 7,023 |
| 18 | Net Utility Plant in Service | \$8,993,585 | \$8,804,922 | \$188,663 |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$404,857 | \$422,411 | (\$17,554) |
| 21 | Less: Accumulated Deferred Income Taxes | \$2,249,372 | \$2,203,099 | \$46,273 |
| 22 | Cash Working Capital | (\$162,486) | (\$111,985) | (\$50,501) |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$168,024 | \$135,797 | \$32,226 |
| 24 | Fuel Inventory | 68,794 | 73,476 | (4,682) |
| 25 | Non-Plant Assets & Liabilities | 54,318 | 15,903 | 38,415 |
| 26 | Prepayments and other Working Capital | 93,980 | 157,697 | (63,718) |
| 27 | Total Other Rate Base Items | \$385,115 | \$382,874 | \$2,241 |
| 28 | Total Average Rate Base | \$7,371,698 | \$7,295,123 | \$76,576 |

(1) Rate base components for Transmission Cost Recovery (TCR) and Renewable Energy Standard (RES) riders have been excluded.

(2) 2018 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

**COMPARISON OF 2018 ACTUALS TO THE MOST RECENT
COMMISSION APPROVED RATE CASE
2018 TEST YEAR
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

The total average rate base from the most recent fiscal year ended 2018 higher by approximately \$77 million when compared to the 2018 Test Year (the 2018 illustrative test year from Northern States Power Company's last Minnesota electric rate case in Docket No. E002/GR-15-826, as restated in Docket E,G999/CI-17-895 and approved by the Commission).

The comparison of the 2018 Net Utility Plant in Service has the actuals higher by approximately \$189 million, Construction work in Progress lower by approximately \$18 million, while Accumulated Deferred Income Taxes, which reduces Rate Base, deviated by \$46 million. The Cash Working Capital component of rate base which represents a reduction to rate base exceeded the balance approved in the 2018 Test Year by approximately \$50 million. Lastly, Other Rate Base Items also exceeded the level in the Test Year by a net \$2 million. The following deviation descriptions are based upon the comparative data provided in Schedule E, Part 1, page 1.

The \$189 million difference in Net Utility Plant in Service is attributed to increases in all functional groups, specifically Net Production plant, Net Distribution Plant, and Net General Plant totaling approximately \$161 million. Net Transmission Plant and Net Common Plant investment also increased by approximately \$28 million.

Construction Work in Progress varied from the approved level by approximately \$18 million.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, was \$46 million higher on an actual basis from the projected level in the test year. Accumulated Deferred Income Taxes are mainly caused by timing differences between book and tax depreciation on plant in service investment.

Cash Working Capital requirements, which reduces rate base, came in approximately \$50 million greater between the two periods lowering Rate Base by the equivalent amount.

The Other Rate Base category resulted in an increase to average Rate Base of \$2 million. Higher actual balances for Material and Supplies and Non-Plant Assets & Liabilities were partially offset by lower than anticipated levels in Prepayments and Other Working Capital and Fuel Inventory.

The net effect of the higher Net Plant in Service of approximate \$189 million, the approximate \$18 million lower CWIP, the \$46 million higher Accumulated Deferred Income Taxes, the higher Cash Working Capital rate base deduction of approximately \$50 million and the higher Other Rate Base Items of \$2 million accounts for the net \$77 million increase in Total Average Rate Base between the two periods.

Northern States Power Company
Electric Utility - State of Minnesota
2018 Actuals versus the 2018 Allowed Test Year
STATEMENT OF OPERATING INCOME
(\$000's)

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| Line No. | Description | Actual 2018 Adjusted (1) | General Rate Case Approved E,G999/CI-17-895 (2) | Change (C) = (A) - (B) |
|----------------------------------|------------------------------------|--------------------------|---|------------------------|
| | | (A) | (B) | (C) = (A) - (B) |
| <u>Operating Revenues</u> | | | | |
| 1 | Retail | \$2,984,186 | \$3,015,536 | (\$31,350) |
| 2 | Interdepartmental | 692 | 644 | 48 |
| 3 | Other Operating | 542,345 | 660,562 | (118,217) |
| 4 | Total Operating Revenues | \$3,527,223 | \$3,676,742 | (\$149,519) |
| <u>Expenses</u> | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Energy | \$1,064,648 | \$1,001,199 | \$63,449 |
| 6 | Power Production | 604,048 | 680,421 | (76,374) |
| 7 | Transmission | 127,855 | 224,464 | (96,609) |
| 8 | Distribution | 108,027 | 112,784 | (4,757) |
| 9 | Customer Accounting | 49,110 | 50,820 | (1,710) |
| 10 | Customer Service & Information (3) | 146,674 | 94,998 | 51,676 |
| 11 | Sales, Econ Dvlp & Other | 46 | 71 | (25) |
| 12 | Administrative & General | 212,730 | 216,787 | (4,057) |
| 13 | Total Operating Expenses | \$2,313,138 | \$2,381,546 | (\$68,408) |
| 14 | Depreciation | \$550,796 | \$540,936 | \$9,860 |
| 15 | Amortizations | \$67,177 | \$41,542 | \$25,635 |
| Taxes: | | | | |
| 16 | Property | \$163,496 | \$192,275 | (\$28,779) |
| 17 | Deferred Income Tax & ITC | (17,938) | 31,715 | (49,653) |
| 18 | Federal & State Income Tax | 2,021 | (23,109) | 25,130 |
| 19 | Payroll & Other | 27,428 | 28,763 | (1,334) |
| 20 | Total Taxes | \$175,007 | \$229,644 | (\$54,637) |
| 21 | Total Expenses | \$3,106,119 | \$3,193,668 | (\$87,549) |
| 22 | Operating Income | \$421,105 | \$483,074 | (\$61,970) |
| 23 | AFUDC | \$29,731 | \$34,150 | (\$4,419) |
| 24 | Total Operating Income | \$450,835 | \$517,224 | (\$66,389) |

Note: Revenues reflect calendar month sales, and 2018 data is not weather normalized.

(1) Revenues and expenses for Transmission Cost Recovery (TCR) and Renewable Energy Standard (RES) riders have been excluded.

(2) 2018 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

(3) Includes CIP/DSM Program Costs.

**COMPARISON OF THE 2018 ACTUALS TO THE MOST RECENT
COMMISSION APPROVED RATE CASE
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the Company's actual total operating income for 2018 to the most recent test year (the 2018 illustrative test year from Northern States Power Company's last Minnesota electric rate case in Docket No. E002/GR-15-826, as restated in Docket E,G999/CI-17-895 and approved by the Commission) utility operating income shows a decrease of \$66 million.

Major components of the change in utility operating income include the following:

Actual 2018 Total Operating Revenues decrease by approximately \$150 million when compared to the level approved as the 2018 test year. Retail Electric Revenues decreased by approximately \$31 million. Other Operating Revenue decreased by \$118 million, a significant portion of which was regulatory treatment developed in the Docket No. E002/GR-15-826 proceeding.

Actual 2018 Fuel and Purchased Energy costs increased by \$63 million over the 2018 test year approved in the last General Rate Order. The changes in the various cost functions are: Power Production decreased by \$76 million, Transmission decreased by approximately \$97 million and Distribution expenses decreased by approximately \$5 million. The Customer Accounting, Sales, and Administrative and General had a combined decrease of approximately \$6 million. These decreases are offset by a \$52 million increase in the Customer Services and Information cost function which is associated with CIP activity. CIP expense increases have a corresponding increase in CIP revenues and are earnings neutral.

Depreciation expense increased by approximately \$10 million and Amortizations decreased by approximately \$26 million related to the various regulatory adjustments classified as amortizations in 2018 Actuals.

Property Taxes decreased \$29 million between the two periods. Payroll and other taxes were down roughly \$1 million between the two periods.

The combination of Deferred Income Taxes and Current Income Taxes decreased approximately \$25 million.

Actual Allowance for Funds Used During Construction decreased approximately \$4 million compared to the 2018 test year.

The changes described above help to account for the \$66 million decrease in utility operating income between the two periods.

**Northern States Power Company
 Electric Utility - State of Minnesota
 2018 Actuals versus the 2018 Allowed Test Year
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)**

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| Line No. | Description | Actual 2018 Adjusted (1) (B) | General Rate Case Approved E,G999/CI-17-895 (2) (A) | Change (C) = (A) - (B) |
|-----------------|---|---|--|-----------------------------------|
| 1 | Average Rate Base | \$7,371,698 | \$7,295,123 | \$76,576 |
| 2 | Required Rate of Return | 7.00% | 7.09% | 0.09% |
| 3 | Operating Income Requirement (Line 1 x Line2) | \$516,019 | \$517,224 | (\$1,205) |
| 4 | Operating Income Under Present Rates | \$450,835 | \$517,224 | (\$66,389) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$65,184 | \$0 | \$65,184 |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | 1.40335 |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$91,476 | \$0 | \$91,476 |

(1) Revenues and expenses for Transmission Cost Recovery (TCR) and Renewable Energy Standard (RES) riders have been excluded.

(2) 2018 Test Year from Docket E,G999/CI-17-895 Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, approved by MPUC.

Northern States Power Company, a Minnesota corporation
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2020 INTERIM RATES
DETAILED RATE BASE COMPONENTS
(\$000's)

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| Line No. | Description | 2017 Interim Rate Petition Present Rate (A) | 2016 Interim Rate Petition Present Rate (B) | Change (C) = (A) - (B) |
|----------|---|--|--|---------------------------|
| | Electric Plant as Booked | | | |
| 1 | Production | \$10,775,427 | \$10,412,390 | \$363,036 |
| 2 | Transmission | 2,460,909 | 2,370,447 | 90,462 |
| 3 | Distribution | 4,136,381 | 3,883,261 | 253,120 |
| 4 | General | 1,009,727 | 940,411 | 69,315 |
| 5 | Common | 830,985 | 750,280 | 80,705 |
| 6 | TOTAL Utility Plant in Service | <u>\$19,213,429</u> | <u>\$18,356,790</u> | <u>\$856,639</u> |
| | Reserve for Depreciation | | | |
| 7 | Production | \$6,699,377 | \$6,281,918 | \$417,459 |
| 8 | Transmission | 682,603 | 641,868 | 40,735 |
| 9 | Distribution | 1,519,172 | 1,446,041 | 73,131 |
| 10 | General | 519,961 | 459,927 | 60,034 |
| 11 | Common | 402,441 | 334,261 | 68,180 |
| 12 | TOTAL Reserve for Depreciation | <u>\$9,823,555</u> | <u>\$9,164,015</u> | <u>\$659,539</u> |
| | Net Utility Plant in Service | | | |
| 13 | Production | \$4,076,049 | \$4,130,472 | (\$54,423) |
| 14 | Transmission | 1,778,305 | 1,728,578 | 49,727 |
| 15 | Distribution | 2,617,209 | 2,437,219 | 179,990 |
| 16 | General | 489,766 | 480,484 | 9,281 |
| 17 | Common | 428,545 | 416,019 | 12,525 |
| 18 | Net Utility Plant in Service | <u>\$9,389,874</u> | <u>\$9,192,774</u> | <u>\$197,100</u> |
| 19 | Utility Plant Held for Future Use | \$0 | \$0 | \$0 |
| 20 | Construction Work in Progress | \$416,624 | \$362,722 | \$53,902 |
| 21 | Less: Accumulated Deferred Income Taxes | \$1,845,638 | \$2,019,029 | (\$173,391) |
| 22 | Cash Working Capital | (\$127,124) | (\$119,418) | (\$7,706) |
| | Other Rate Base Items: | | | |
| 23 | Materials and Supplies | \$153,932 | \$153,932 | \$0 |
| 24 | Fuel Inventory | 65,875 | 65,875 | 0 |
| 25 | Non-Plant Assets & Liabilities | 81,070 | 60,475 | 20,595 |
| 26 | Prepayments and other Working Capital | 91,626 | 98,245 | (6,618) |
| 27 | Total Other Rate Base Items | <u>\$392,502</u> | <u>\$378,525</u> | <u>\$13,977</u> |
| 28 | Total Average Rate Base | <u><u>\$8,226,239</u></u> | <u><u>\$7,795,575</u></u> | <u><u>\$430,664</u></u> |

Northern States Power Company, a Minnesota corporation
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2020 INTERIM RATES
 STATEMENT OF OPERATING INCOME
 (\$000's)

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| Line No. | Description | 2017 Interim Rate Petition Present Rate (A) | 2016 Interim Rate Petition Present Rate (B) | Change (C) = (A) - (B) |
|---------------------------|---------------------------------|---|---|------------------------|
| Operating Revenues | | | | |
| 1 | Retail | \$2,974,012 | \$3,005,188 | (\$31,176) |
| 2 | Interdepartmental | 494 | 494 | 0 |
| 3 | Other Operating | 559,705 | 544,510 | 15,194 |
| 4 | Total Operating Revenues | \$3,534,211 | \$3,550,192 | (\$15,981) |
| Expenses | | | | |
| Operating Expenses: | | | | |
| 5 | Fuel and Purchased Energy | \$937,984 | \$937,629 | \$355 |
| 6 | Power Production | 626,741 | 593,003 | 33,739 |
| 7 | Transmission | 249,696 | 255,621 | (5,924) |
| 8 | Distribution | 132,140 | 114,249 | 17,891 |
| 9 | Customer Accounting | 48,931 | 48,973 | (42) |
| 10 | Customer Service & Information | 105,532 | 105,520 | 11 |
| 11 | Administrative & General | (5) | (6) | 0 |
| 12 | Sales, Econ Dvlp & Other | 245,570 | 240,404 | 5,165 |
| 13 | Total Operating Expenses | \$2,346,589 | \$2,295,393 | \$51,195 |
| 14 | Depreciation | \$669,907 | \$633,851 | \$36,056 |
| 15 | Amortizations | \$41,506 | \$41,978 | (\$473) |
| Taxes: | | | | |
| 16 | Property | \$167,343 | \$162,244 | \$5,100 |
| 17 | Deferred Income Tax & ITC | (219,431) | (132,021) | (87,410) |
| 18 | Federal & State Income Tax | 160,449 | 105,584 | 54,865 |
| 19 | Payroll & Other | 27,318 | 27,226 | 93 |
| 20 | Total Taxes | \$135,680 | \$163,032 | (\$27,352) |
| 21 | Total Expenses | \$3,193,681 | \$3,134,254 | \$59,427 |
| 22 | Operating Income | \$340,529 | \$415,938 | (\$75,408) |
| 23 | AFUDC | \$31,000 | \$28,818 | 2,182 |
| 24 | Total Operating Income | \$371,529 | \$444,756 | (\$73,227) |

Northern States Power Company, a Minnesota corporation
 Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2020 INTERIM RATES
SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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| Line No. | Description | 2017 Interim Rate Petition Present Rate | 2016 Interim Rate Petition Present Rate | Change |
|-------------|--|---|---|-----------------|
| | | (A) | (B) | (C) = (A) - (B) |
| 1 | Average Rate Base | \$8,226,239 | \$7,795,575 | \$430,664 |
| 2 | Required Rate of Return | 6.82% | 6.82% | 0.00% |
| 3 | Operating Income Requirement (Line 1 x Line 2) | \$561,029 | \$531,658 | \$29,371 |
| 4 | Operating Income Under Present Rates | \$371,529 | \$444,756 | (\$73,227) |
| 5 | Operating Income Deficiency (Line 3 - Line 4) | \$189,500 | \$86,902 | \$102,598 |
| 6 | Gross Revenue Conversion Factor | 1.40335 | 1.40335 | - |
| 7 | Revenue Deficiency (Line 5 x Line 6) | \$265,935 | \$121,954 | \$143,981 |

| | |
|--|--------------|
| Retail Revenues ⁽¹⁾ | \$ 3,120,645 |
| Interdepartmental Revenues ⁽²⁾ | \$ 494 |
| Retail Related Revenues ⁽³⁾ | \$ 3,121,140 |
| less TCR Rider ⁽⁴⁾ | \$ (88,375) |
| less RES Rider ⁽⁴⁾ | \$ (27,082) |
| Interim Retail Related Revenues ⁽⁵⁾ | \$ 3,005,682 |
| less CIP Rider Surcharge Adjustment ⁽⁶⁾ | \$ (15,868) |
| less RDF Rider ⁽⁶⁾ | \$ (34,361) |
| Revenue Net of All Rider Adjustments | \$ 2,955,454 |
| less Fuel Cost Revenues | \$ (796,051) |
| Total Base Rate Revenues for Interim | \$ 2,159,403 |
| Interim Revenue Deficiency ⁽⁷⁾ | \$ 121,954 |
| Total Interim Retail Related Revenue % Increase | 4.06% |
| Total Interim Base Revenue % Increase | 5.65% |

(1) Interim Schedule B, Part 2 of 3, Page 6 of 6, Line 1, General Rate Case Filing column
 (2) Interim Schedule B, Part 2 of 3, Page 6 of 6, Line 2, General Rate Case Filing column
 (3) Retail + Interdepartmental Revenue
 (4) Rider Roll In - Interim Schedule B, Part 2 of 3, Page 6 of 6, Line 1
 (5) Interim Schedule A, Part 1 of 3, Page 1 of 1, Line 11
 (6) Rider Revenues included in Present Revenues
 (7) Interim Schedule A, Part 1 of 3, Page 1 of 1, Line 10

| | |
|--|---------------------|
| Retail Revenues ⁽¹⁾ | \$ 3,080,450 |
| Interdepartmental Revenues ⁽²⁾ | \$ 494 |
| Retail Related Revenues ⁽³⁾ | <u>\$ 3,080,944</u> |
| less TCR Rider ⁽⁴⁾ | \$ (85,369) |
| less RES Rider ⁽⁴⁾ | <u>\$ (21,069)</u> |
| Interim Retail Related Revenues ⁽⁵⁾ | \$ 2,974,506 |
| less CIP Rider Surcharge Adjustment ⁽⁶⁾ | \$ (16,367) |
| less RDF Rider ⁽⁶⁾ | <u>\$ (33,888)</u> |
| Revenue Net of All Rider Adjustments | \$ 2,924,252 |
| less Fuel Cost Revenues | <u>\$ (796,051)</u> |
| Total Base Rate Revenues for Interim | <u>\$ 2,128,200</u> |
| Interim Revenue Deficiency ⁽⁷⁾ | \$ 265,935 |
| Total Interim Retail Related Revenue % Increase | 8.94% |
| Total Interim Base Revenue % Increase | 12.50% |

(1) Interim Schedule B, Part 2 of 3, Page 6 of 6, Line 1, General Rate Case Filing column

(2) Interim Schedule B, Part 2 of 3, Page 6 of 6, Line 2, General Rate Case Filing column

(3) Retail + Interdepartmental Revenue

(4) Rider Roll In - Interim Schedule B, Part 2 of 3, Page 6 of 6, Line 1

(5) Interim Schedule A, Part 1 of 3, Page 1 of 1, Line 11

(6) Rider Revenues included in Present Revenues

(7) Interim Schedule A, Part 1 of 3, Page 1 of 1, Line 10

Interim Rate Adj 5.65%

SALES AND REVENUE BY RATE SCHEDULE

| Service Schedule | Revenues (\$1,000's) | | | | | | | | | | | |
|-----------------------------|----------------------|-------------------|-------------------|-------------------|----------------|----------------|------------------|------------------|------------------|------------------|----------------|--------------|
| | Average Customers | MWH Sales | | | Summer | | Winter | | Annual | | Increase | |
| | | Summer | Winter | Annual | Present | Interim | Present | Interim | Present | Interim | Amount | Percent |
| Residential | | | | | | | | | | | | |
| Residential | 1,164,971 | 3,183,290 | 5,160,619 | 8,343,908 | 341,748 | 361,057 | 526,259 | 555,992 | 868,007 | 917,050 | 49,042 | 5.65% |
| Residential TOD | 674 | 2,341 | 5,135 | 7,476 | 253 | 267 | 439 | 463 | 692 | 731 | 39 | 5.65% |
| Residential EV | 952 | 17,200 | 38,107 | 55,308 | 912 | 964 | 1,922 | 2,031 | 2,835 | 2,995 | 160 | 5.65% |
| Load Management | 3,589 | 9,134 | 35,029 | 44,164 | 532 | 562 | 1,719 | 1,816 | 2,251 | 2,378 | 127 | 5.65% |
| Res Total | 1,170,186 | 3,211,966 | 5,238,890 | 8,450,856 | 343,446 | 362,850 | 530,339 | 560,303 | 873,784 | 923,153 | 49,369 | 5.65% |
| C&I - Non-Demand | | | | | | | | | | | | |
| Small General | 75,036 | 254,055 | 505,788 | 759,843 | 26,017 | 27,487 | 45,700 | 48,282 | 71,717 | 75,769 | 4,052 | 5.65% |
| Small General TOD | 11,052 | 25,114 | 57,501 | 82,616 | 2,414 | 2,550 | 4,776 | 5,046 | 7,190 | 7,597 | 406 | 5.65% |
| Load Management | 199 | 635 | 3,036 | 3,671 | 48 | 50 | 166 | 176 | 214 | 226 | 12 | 5.65% |
| C&I N-D Total | 86,287 | 279,804 | 566,326 | 846,130 | 28,478 | 30,087 | 50,643 | 53,504 | 79,121 | 83,592 | 4,470 | 5.65% |
| C&I - Demand | | | | | | | | | | | | |
| General | 41,660 | 2,785,653 | 5,033,970 | 7,819,623 | 223,929 | 236,581 | 337,981 | 357,076 | 561,910 | 593,658 | 31,748 | 5.65% |
| General TOD | 4,755 | 2,786,356 | 4,711,573 | 7,497,929 | 165,177 | 174,509 | 234,830 | 248,098 | 400,007 | 422,607 | 22,600 | 5.65% |
| Light Rail | 16 | 7,099 | 17,062 | 24,161 | 470 | 496 | 966 | 1,021 | 1,436 | 1,517 | 81 | 5.65% |
| Peak-Controlled | 1,412 | 377,377 | 719,986 | 1,097,363 | 28,018 | 29,601 | 47,208 | 49,875 | 75,225 | 79,475 | 4,250 | 5.65% |
| Peak-Controlled TO | 342 | 886,985 | 1,587,661 | 2,474,646 | 45,313 | 47,873 | 74,648 | 78,865 | 119,961 | 126,739 | 6,778 | 5.65% |
| Energy-Controlled | 11 | 146,691 | 268,961 | 415,652 | 5,809 | 6,137 | 10,758 | 11,365 | 16,566 | 17,502 | 936 | 5.65% |
| Real Time Pricing | 3 | 7,587 | 13,794 | 21,380 | 487 | 515 | 704 | 743 | 1,191 | 1,258 | 67 | 5.65% |
| C&I Dmd Total | 48,200 | 6,997,747 | 12,353,007 | 19,350,754 | 469,202 | 495,712 | 707,093 | 747,044 | 1,176,295 | 1,242,756 | 66,461 | 5.65% |
| C&I Total | 134,486 | 7,277,551 | 12,919,332 | 20,196,884 | 497,681 | 525,800 | 757,736 | 800,548 | 1,255,417 | 1,326,348 | 70,931 | 5.65% |
| Public Authorities | | | | | | | | | | | | |
| Small Mun Pumping | 930 | 2,239 | 4,883 | 7,123 | 247 | 261 | 459 | 485 | 706 | 746 | 40 | 5.65% |
| Municipal Pumping | 574 | 24,950 | 35,861 | 60,810 | 2,348 | 2,480 | 2,940 | 3,106 | 5,287 | 5,586 | 299 | 5.65% |
| Siren Service | 0 | 0 | 0 | 0 | 12 | 12 | 23 | 24 | 35 | 37 | 2 | 5.65% |
| PA Total | 1,504 | 27,189 | 40,744 | 67,933 | 2,607 | 2,754 | 3,422 | 3,615 | 6,028 | 6,369 | 341 | 5.65% |
| Lighting | | | | | | | | | | | | |
| System Service | 0 | 7,275 | 24,758 | 32,034 | 5,693 | 6,014 | 11,385 | 12,028 | 17,078 | 18,042 | 965 | 5.65% |
| Energy | 0 | 5,849 | 19,904 | 25,754 | 448 | 474 | 896 | 947 | 1,345 | 1,421 | 76 | 5.65% |
| Metered Energy | 2,249 | 7,972 | 27,129 | 35,101 | 406 | 429 | 1,320 | 1,395 | 1,726 | 1,824 | 98 | 5.65% |
| Protective Lighting | 0 | 7,698 | 22,088 | 29,786 | 1,177 | 1,243 | 2,353 | 2,486 | 3,530 | 3,729 | 199 | 5.65% |
| Lighting Total | 2,249 | 28,795 | 93,880 | 122,675 | 7,724 | 8,160 | 15,955 | 16,856 | 23,679 | 25,016 | 1,338 | 5.65% |
| Total Retail | 1,308,426 | 10,545,500 | 18,292,846 | 28,838,347 | 851,457 | 899,564 | 1,307,452 | 1,381,323 | 2,158,908 | 2,280,887 | 121,978 | 5.65% |
| Other Rev Increase | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Interdept. Increase | | | | | 0 | 13 | 0 | 14 | 0 | 28 | 28 | |
| Total Revenue | 1,308,426 | 10,545,500 | 18,292,846 | 28,838,347 | 851,457 | 899,577 | 1,307,452 | 1,381,337 | 2,158,908 | 2,280,914 | 122,006 | 5.65% |
| Interdepartmental | 5 | 3,295 | 3,813 | 7,108 | 238 | 238 | 256 | 256 | 494 | 494 | 0 | 0.00% |
| Retail Related Rev | 1,308,431 | 10,548,796 | 18,296,660 | 28,845,455 | 851,694 | 899,815 | 1,307,708 | 1,381,594 | 2,159,403 | 2,281,409 | 122,006 | 5.65% |

Total Increase Target and Rounding Difference:

121,954

52

Interim Rate Adj 12.50%

SALES AND REVENUE BY RATE SCHEDULE

| Service Schedule | Average Customers | MWH Sales | | | Revenues (\$1,000's) | | | | | | | |
|-----------------------------|-------------------|-------------------|-------------------|-------------------|----------------------|----------------|------------------|------------------|------------------|------------------|----------------|---------------|
| | | Summer | Winter | Annual | Summer | | Winter | | Annual | | Increase | |
| | | | | | Present | Interim | Present | Interim | Present | Interim | Amount | Percent |
| Residential | | | | | | | | | | | | |
| Residential | 1,174,532 | 3,135,318 | 5,031,928 | 8,167,246 | 337,466 | 379,649 | 515,720 | 580,185 | 853,187 | 959,835 | 106,648 | 12.50% |
| Residential TOD | 681 | 2,307 | 5,022 | 7,329 | 250 | 281 | 431 | 484 | 681 | 766 | 85 | 12.50% |
| Residential EV | 1,333 | 25,717 | 45,910 | 71,627 | 1,361 | 1,531 | 2,326 | 2,617 | 3,687 | 4,148 | 461 | 12.50% |
| Load Management | 3,650 | 9,034 | 34,588 | 43,622 | 528 | 594 | 1,702 | 1,914 | 2,230 | 2,509 | 279 | 12.50% |
| Res Total | 1,180,196 | 3,172,375 | 5,117,448 | 8,289,824 | 339,606 | 382,056 | 520,179 | 585,201 | 859,784 | 967,257 | 107,473 | 12.50% |
| C&I - Non-Demand | | | | | | | | | | | | |
| Small General | 75,392 | 250,615 | 498,995 | 749,610 | 25,714 | 28,928 | 45,204 | 50,854 | 70,918 | 79,782 | 8,865 | 12.50% |
| Small General TOD | 11,104 | 24,775 | 56,747 | 81,522 | 2,390 | 2,688 | 4,730 | 5,321 | 7,120 | 8,010 | 890 | 12.50% |
| Load Management | 199 | 626 | 2,995 | 3,622 | 47 | 53 | 164 | 185 | 211 | 238 | 26 | 12.50% |
| C&I N-D Total | 86,695 | 276,016 | 558,737 | 834,754 | 28,150 | 31,669 | 50,098 | 56,361 | 78,249 | 88,030 | 9,781 | 12.50% |
| C&I - Demand | | | | | | | | | | | | |
| General | 41,857 | 2,747,863 | 4,967,099 | 7,714,961 | 220,924 | 248,539 | 333,657 | 375,364 | 554,581 | 623,903 | 69,323 | 12.50% |
| General TOD | 4,775 | 2,743,333 | 4,643,641 | 7,386,974 | 162,674 | 183,008 | 231,535 | 260,477 | 394,208 | 443,484 | 49,276 | 12.50% |
| Light Rail | 16 | 7,003 | 16,815 | 23,818 | 464 | 522 | 952 | 1,071 | 1,416 | 1,593 | 177 | 12.50% |
| Peak-Controlled | 1,419 | 372,269 | 710,417 | 1,082,686 | 27,654 | 31,111 | 46,599 | 52,424 | 74,253 | 83,535 | 9,282 | 12.50% |
| Peak-Controlled TO | 343 | 873,782 | 1,562,302 | 2,436,084 | 44,642 | 50,222 | 73,462 | 82,645 | 118,104 | 132,867 | 14,763 | 12.50% |
| Energy-Controlled | 11 | 144,481 | 264,604 | 409,086 | 5,722 | 6,437 | 10,583 | 11,906 | 16,305 | 18,343 | 2,038 | 12.50% |
| Real Time Pricing | 3 | 7,472 | 13,562 | 21,034 | 480 | 540 | 692 | 778 | 1,172 | 1,318 | 146 | 12.50% |
| C&I Dmd Total | 48,425 | 6,896,203 | 12,178,439 | 19,074,642 | 462,559 | 520,379 | 697,480 | 784,665 | 1,160,039 | 1,305,044 | 145,005 | 12.50% |
| C&I Total | 135,120 | 7,172,219 | 12,737,176 | 19,909,395 | 490,709 | 552,048 | 747,578 | 841,026 | 1,238,288 | 1,393,074 | 154,786 | 12.50% |
| Public Authorities | | | | | | | | | | | | |
| Small Mun Pumping | 932 | 2,241 | 4,819 | 7,060 | 248 | 279 | 454 | 511 | 702 | 789 | 88 | 12.50% |
| Municipal Pumping | 574 | 24,984 | 35,384 | 60,368 | 2,351 | 2,645 | 2,902 | 3,265 | 5,253 | 5,910 | 657 | 12.50% |
| Siren Service | 0 | 0 | 0 | 0 | 12 | 13 | 23 | 26 | 35 | 39 | 4 | 12.50% |
| PA Total | 1,506 | 27,226 | 40,202 | 67,428 | 2,610 | 2,936 | 3,380 | 3,802 | 5,990 | 6,738 | 749 | 12.50% |
| Lighting | | | | | | | | | | | | |
| System Service | 0 | 7,281 | 24,752 | 32,034 | 5,693 | 6,404 | 11,385 | 12,808 | 17,078 | 19,212 | 2,135 | 12.50% |
| Energy | 0 | 5,854 | 19,900 | 25,754 | 448 | 504 | 896 | 1,009 | 1,345 | 1,513 | 168 | 12.50% |
| Metered Energy | 2,249 | 7,809 | 26,545 | 34,354 | 399 | 449 | 1,294 | 1,455 | 1,693 | 1,904 | 212 | 12.50% |
| Protective Lighting | 0 | 7,591 | 21,738 | 29,329 | 1,177 | 1,324 | 2,353 | 2,647 | 3,530 | 3,971 | 441 | 12.50% |
| Lighting Total | 2,249 | 28,534 | 92,936 | 121,470 | 7,716 | 8,681 | 15,928 | 17,919 | 23,645 | 26,600 | 2,956 | 12.50% |
| Total Retail | 1,319,070 | 10,400,355 | 17,987,762 | 28,388,117 | 840,641 | 945,721 | 1,287,065 | 1,447,948 | 2,127,706 | 2,393,669 | 265,963 | 12.50% |
| Other Rev Increase | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Interdept. Increase | | | | | 0 | 30 | 0 | 32 | 0 | 62 | 62 | |
| Total Revenue | 1,319,070 | 10,400,355 | 17,987,762 | 28,388,117 | 840,641 | 945,751 | 1,287,065 | 1,447,980 | 2,127,706 | 2,393,731 | 266,025 | 12.50% |
| Interdepartmental | 5 | 3,295 | 3,813 | 7,108 | 238 | 238 | 256 | 256 | 494 | 494 | 0 | 0.00% |
| Retail Related Rev | 1,319,075 | 10,403,650 | 17,991,575 | 28,395,225 | 840,879 | 945,989 | 1,287,321 | 1,448,237 | 2,128,200 | 2,394,225 | 266,025 | 12.50% |

Total Increase Target and Rounding Difference:

265,935

90

**2020 Interim Tariffs
Redline**

2020 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

- Sheet No. 1-3, revision 18
- Sheet No. 5-1, revision 32
- Sheet No. 5-2, revision 32
- Sheet No. 5-4.1, revision 2
- Sheet No. 5-5, revision 20
- Sheet No. 5-7, revision 6
- Sheet No. 5-8.2, revision 1
- Sheet No. 5-9, revision 31
- Sheet No. 5-11, revision 34
- Sheet No. 5-14, revision 25
- Sheet No. 5-21, revision 32
- Sheet No. 5-23, revision 32
- Sheet No. 5-26, revision 32
- Sheet No. 5-29, revision 28
- Sheet No. 5-41, revision 19
- Sheet No. 5-45, revision 26
- Sheet No. 5-65, revision 23
- Sheet No. 5-71, revision 18
- Sheet No. 5-74, revision 27
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- Sheet No. 5-78, revision 30
- Sheet No. 5-80, revision 28
- Sheet No. 5-85, revision 31
- Sheet No. 5-87, revision 32
- Sheet No. 5-89, revision 15
- Sheet No. 5-94, revision 13
- Sheet No. 5-100, revision 6
- Sheet No. 5-125, revision 5

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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~~17th~~18th Revised Sheet No. 3

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(Continued on Sheet No. 1-4)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 05-19-16 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 06-01-18 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E002/ M-13-315 & E999/CI-15-115 <u>GR-19-564</u> | | Order Date: | 04-20-18 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE

Section No. 5

RATE CODE A00, A01, A03

~~31st~~32nd Revised Sheet No. 1

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> | |
|---|-----------------|-------------------------------|----------|
| Customer Charge per Month – Water Heating (A00) | \$0.00 | N/A | |
| – Overhead (A01) | \$8.00 | \$10.00 | |
| – Underground (A03) | \$10.00 | \$12.00 | |
| Energy Charge per kWh | | | |
| June - September | \$0.10301 | \$0.10301 | <u>R</u> |
| Other Months | \$0.08803 | \$0.05988 | <u>R</u> |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-1.1)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 <u>E002/GR-19-564</u> | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL TIME OF DAY SERVICE

Section No. 5

RATE CODE A02, A04

~~31st~~^{32nd} Revised Sheet No. 2

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> | |
|---------------------------------------|-----------------|-------------------------------|---|
| Customer Charge per Month | | | |
| Overhead (A02) | \$10.00 | \$12.00 | |
| Underground (A04) | \$12.00 | \$14.00 | |
| On Peak Period Energy Charge per kWh | | | |
| June - September | \$0.20497 | \$0.20497 | P |
| Other Months | \$0.16508 | \$0.09284 | P |
| Off Peak Period Energy Charge per kWh | | | |
| June - September | \$0.04170 | \$0.04170 | P |
| Other Months | \$0.04170 | \$0.04170 | P |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-3)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 ^{E002/GR-19-} <u>564</u> | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF USE PILOT PROGRAM
SERVICE
RATE CODE A72, A74**

Section No. 5
1st2nd Revised Sheet No. 4.1

PILOT PROGRAM DESIGN

This is an experimental rate design for the residential Time of Use Pilot Program to be applied for two years from the effective date of this rate schedule. Participating customers will have received Residential Service without electric space heating prior to the Pilot, and may elect a return to the Residential Service rate schedule following the Pilot.

AVAILABILITY

A maximum of 10,000 customers will be selected to receive service with this rate schedule. The Company will determine pilot participants that receive service through the Hiawatha West, Midtown, or Westgate substations. Pilot participants will not include customers that are on net metering service or have other interconnected distributed generation on their premise, or customers that also receive Energy Controlled (Non-Demand Metered) Service, Residential Electric Vehicle Service, Limited Off-Peak Service, or customers that are medical equipment-dependent. Pilot participants may elect to opt out of participation in this Pilot for a specific premise.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Bill Protection may also apply. Details regarding the specific charges applicable to this service and Bill Protection are listed below.

RATE

Customer Charge per Month

| | |
|-------------------|---------|
| Overhead (A72) | \$8.00 |
| Underground (A74) | \$10.00 |

Energy Charge per kWh

| | |
|------------------|-----------|
| June – September | |
| On-Peak Period | \$0.22576 |
| Mid-Peak Period | \$0.09013 |
| Off-Peak Period | \$0.02784 |

Other Months

| | |
|-----------------|-----------|
| On-Peak Period | \$0.19266 |
| Mid-Peak Period | \$0.07515 |
| Off-Peak Period | \$0.02784 |

###

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-4.2)

| | | | | |
|-------------|---|---|-----------------|------------------|
| Date Filed: | <u>03-15-19</u> <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | <u>-06-01-19</u> |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | <u>E, G999/CI-17-895E002/GR-</u> <u>19-564</u> | | Order Date: | <u>-05-10-19</u> |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
~~19th~~20th Revised Sheet No. 5

AVAILABILITY

Available to residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (WindsorSource Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month \$4.95

On-Peak Period Energy Charge per kWh

June - September \$0.20497

Other Months \$0.16508

R

R

Off-Peak Period Energy Charge per kWh \$0.04170

R

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N

N

N

N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-6)

Date Filed: ~~03-15-19~~11-01-19

By: Christopher B. Clark

Effective Date: ~~06-01-19~~

President, Northern States Power Company, a Minnesota corporation

Docket No. ~~E, G999/CI-17-895~~E002/GR-19-564

Order Date: ~~05-10-19~~

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81

Section No. 5
~~5th~~^{6th} Revised Sheet No. 7

AVAILABILITY

Available while this Pilot Service is in effect to Residential Service customers for service only to electric vehicle loads including battery charging and accessory usage. Bundled service includes Company installed and provided charging equipment. Pre-Pay Option service is available to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and /or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---------------------------------------|-----------|
| Customer Charge per Month | |
| Bundled (A80) | \$17.47 |
| Pre-Pay Option (A81) | \$7.10 |
| On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |
| Off-Peak Period Energy Charge per kWh | \$0.04170 |

N
N
N

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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(Continued on Sheet No. 5-8)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| Docket No. | E, G999/CI-17- 895E002/GR-19-564 | President, Northern States Power Company, a Minnesota Corporation | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81

Section No. 5
~~5th~~6th Revised Sheet No. 7

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

(Continued on Sheet No. 5-8)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| Docket No. | E, G999/CI-17- 895E002/GR-19-564 | President, Northern States Power Company, a Minnesota Corporation | Order Date: | 05-10-19 |

RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION

Section No. 5

PILOT SERVICE (Continued)

~~Original~~ 1st Revised Sheet No. 8.2

RATE CODE A82, A83

RATE

Customer Charge per Month

| | |
|------------------------------|---------|
| <u>General System Energy</u> | |
| Bundled (A82) | \$43.63 |
| Pre-Pay Option (A83) | \$33.22 |

| | |
|-------------------------------------|---------|
| <u>Renewable Energy (Windsorce)</u> | |
| Bundled (A82) | \$46.15 |
| Pre-Pay Option (A83) | \$35.74 |

| | |
|---|-----------|
| Excess On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

FUEL CLAUSE

The monthly customer charge includes preset fuel charges for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

The monthly customer charge includes a preset Resource Adjustment charge for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-8.3)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 02-22-19 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 10-07-19 |
| | | President, Northern States Power Company, a Minnesota Corporation | | |
| Docket No. | E002/ M-19-186 <u>GR-19-564</u> | | Order Date: | 10-07-19 |

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ENERGY CONTROLLED SERVICE
 (NON-DEMAND METERED)
 RATE CODE A05**

Section No. 5
~~30th~~31st Revised Sheet No. 9

AVAILABILITY

Available to residential and commercial customers with permanently connected interruptible loads of up to 50 kW that would be under Company control. The types of loads served would include dual fuel space heating, water heating, and other loads subject to Company approval.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | Residential | Commercial & Industrial | |
|-----------------------|-------------|-------------------------|---|
| Customer Charge | \$4.95 | \$4.95 | |
| Energy Charge per kWh | \$0.04487 | \$0.04487 | R |
| Optional | | | |
| June - September | \$0.10301 | \$0.09256 | R |
| Other Months | \$0.04487 | \$0.04487 | R |

OPTIONAL ENERGY CHARGE

This option is available to customers with heat pump installations for non-interruptible service during June through September billing months.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-10)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 11-01-19 | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 E002/GR- 19-564 | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIMITED OFF PEAK SERVICE
RATE CODE A06**

Section No. 5
~~33rd~~^{34th} Revised Sheet No. 11

AVAILABILITY

Available to any customers for controlled loads that will be energized only for the time period between 10:00 p.m. to 6:30 a.m. daily.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Residential</u> | <u>Commercial & Industrial</u> |
|---------------------------|--------------------|------------------------------------|
| Customer Charge per Month | | |
| Secondary Voltage | | |
| Single Phase | \$4.95 | \$10.00 |
| Three Phase | -- | \$13.60 |
| Primary Voltage | -- | \$60.00 |
| Transmission Transformed | -- | \$60.00 |
| Transmission | -- | \$60.00 |
| Energy Charge per kWh | | |
| Secondary Voltage | \$0.03665 | \$0.03665 |
| Primary Voltage | -- | \$0.03560 |
| Transmission Transformed | -- | \$0.03398 |
| Transmission | -- | \$0.03388 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-11.1)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CJ-17- 895E002/GR-19-564 | | Order Date: | 05-10-19 |

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**AUTOMATIC PROTECTIVE LIGHTING SERVICE
RATE CODE A07**

Section No. 5
~~24th~~^{25th} Revised Sheet No. 14

AVAILABILITY

Available to all types of customers except for municipal street lighting purposes.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> (Lumens) | <u>Monthly Rate Per Unit</u> |
|--|------------------------------|
| Area Units | |
| 100W High Pressure Sodium | \$7.41 |
| 175W Mercury (1) | \$7.41 |
| 250W High Pressure Sodium | \$11.83 |
| 400W Mercury (1) | \$11.83 |
| Directional Units | |
| 30-45W Light Emitting Diode (4,000) | \$7.28 |
| 110-165W Light Emitting Diode (14,000) | \$11.33 |
| 250W High Pressure Sodium | \$14.08 |
| 400W High Pressure Sodium | \$17.62 |
| 1,000W Mercury (1) | \$27.33 |

(1) Available to existing installations only.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

SERVICE INCLUDED IN RATE

Company shall own, operate, and maintain the lighting unit including the fixture, lamp, ballast, photoelectric control, mounting brackets, and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-15)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 11-21-18 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark President, Northern States Power Company, a Minnesota corporation | Effective Date: | 07-09-19 |
| Docket No. | E002/ M-18-729 ^{GR-19-564} | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE

Section No. 5

RATE CODE A09, A10, A11, A13

~~31st~~32nd Revised Sheet No. 21

AVAILABILITY

Standard service (i.e., alternating current) is available to any non-residential customer for single or three phase electric service. Direct Current service is only available in Minneapolis and St. Paul to the extent now used.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|---------|
| Customer Charge per Month – Unmetered (A09) | \$8.00 |
| – Metered (A10) | \$10.00 |
| – Water Heating (A11) | \$0.00 |
| – Direct Current (A13) | \$10.00 |

Energy Charge per kWh

| | | |
|------------------|-----------|----------|
| June - September | \$0.09256 | <u>R</u> |
| Other Months | \$0.07757 | <u>R</u> |

| | | |
|---|--------|----------|
| Demand Charge (Direct Current Only) per Month per kW of Connected Load | \$3.61 | <u>R</u> |
|---|--------|----------|

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-22)

| | | |
|--|---|-------------------------------------|
| Date Filed: 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark President, Northern States Power Company, a Minnesota corporation | Effective Date: 06-01-19 |
| Docket No. E, G999/CI-17- 895E002/GR-19-564 | | Order Date: 05-10-19 |

SMALL GENERAL TIME OF DAY SERVICE
RATE CODE A12, A16, A18, A22

Section No. 5

~~31st~~^{32nd} Revised Sheet No. 23

AVAILABILITY

Available to any non-residential customer for single or three phase electric service supplied through one meter.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A12) \$12.00
 – kWh Metered (A16) \$10.00
 – Unmetered (A18) \$8.00
 – Low Wattage (A22) (Please see page 5-24.1)

| Energy Charge per kWh | <u>Oct-May</u> | <u>Jun-Sep</u> | |
|---|----------------|----------------|---|
| On Peak Period (A12) | \$0.11723 | \$0.14880 | R |
| Off Peak Period (A12) | \$0.04170 | \$0.04170 | R |
| Constant Hourly (A16, A18, A22) (= 35% On, 65% Off) | \$0.06814 | \$0.07919 | R |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-24)

| | | |
|--|---|-------------------------------------|
| Date Filed: 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: 06-01-19 |
| | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. E, G999/CI-17- 895E002/GR-19-564 | | Order Date: 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL SERVICE

Section No. 5

RATE CODE A14

~~31st~~^{32nd} Revised Sheet No. 26

AVAILABILITY

Available to any non-residential customer for general service where customer is not required to be on a time-of-day rate schedule. Once the customer's 15-minute measured demands are equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the General Time of Day service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | | | |
|--|---------------------------|----------------|---|
| Customer Charge per Month | | \$25.64 | |
| Service at Secondary Voltage | <u>Oct-May</u> | <u>Jun-Sep</u> | |
| Demand Charge per Month per kW | \$10.49 | \$14.79 | R |
| Energy Charge per kWh | | \$0.03407 | R |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours | | \$0.01518 | R |
| Times the Billing Demand | | | |
| | <u>January — December</u> | | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> | |
| Primary Voltage | \$0.80 | \$0.00105 | R |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 | R |
| Transmission Voltage | \$2.35 | \$0.00277 | R |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-27)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 ^{E002/GR-19-564} | | Order Date: | 05-10-19 |

**GENERAL TIME OF DAY SERVICE
 RATE CODE A15, A17, A19**

Section No. 5
~~27th~~^{28th} Revised Sheet No. 29

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any non-residential customer for general service having a 15-minute measured demand equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1,000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|---------|
| Customer Charge per Month – Time Of Day Metered (A15) | \$29.64 |
| -- kWh Metered (A17) | \$25.64 |
| -- Unmetered (A19) | \$21.64 |

| Service at Secondary Voltage | <u>Oct-May</u> | <u>Jun-Sep</u> | |
|--|---------------------------|----------------|---|
| Demand Charge per Month per kW | | | |
| On Peak Period Demand | \$10.49 | \$14.79 | R |
| Off Peak Period Demand in Excess of On Peak Period Demand | \$2.35 | \$2.35 | |
| Energy Charge per kWh | | | |
| On Peak Period Energy | \$0.04855 | | R |
| Off Peak Period Energy | \$0.02341 | | R |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours Times the On Peak Period Billing Demand, Not to Exceed 50% of Total kWh | \$0.01518 | | R |
| | <u>January - December</u> | | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> | |
| Primary Voltage | \$0.80 | \$0.00105 | R |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 | R |
| Transmission Voltage | \$2.35 | \$0.00277 | R |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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(Continued on Sheet No. 5-30)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 ^{E002/GR-19-564} | | Order Date: | 05-10-19 |

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
~~18th~~19th Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
DN
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP's established criteria.

DETERMINATION OF DEMAND

Maximum Actual Demand in kW shall be the greatest 15-minute load during the billing month.

Adjusted Demand in kW for billing purposes shall be determined by dividing the Maximum Actual Demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW.

(Continued on Sheet No. 5-42)

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|-------------|-----------------------------------|---|-----------------|---------------------|
| Date Filed: | 11-02-15 11-01-19 | By: Christopher B. Clark | Effective Date: | 10-01-17 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E002/GR- 15-826 19-564 | | Order Date: | 06-12-17 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE

Section No. 5

(Continued)

~~25th~~26th Revised Sheet No. 45

RATE CODE A24

RATE (Continued)

| Demand Charge per Month per kW | <u>Tier 1</u> | <u>Tier 2</u> | |
|--|---------------------------|----------------|---|
| On Peak Period Demand | | | |
| Firm Demand | | | |
| June - September | \$14.79 | \$14.79 | R |
| Other Months | \$10.49 | \$10.49 | R |
| Controllable Demand (Jan-Dec) | | | |
| Level A: < 65% PF | Not Available | \$8.88 | R |
| Level B: ≥ 65% and < 85% PF | \$7.15 | \$7.86 | R |
| Level C: ≥ 85% PF | \$6.56 | \$7.34 | R |
| Short Notice Rider | \$6.09 | Not Available | R |
| Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec) | \$2.35 | \$2.35 | |
| | <u>January - December</u> | | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> | |
| Primary Voltage | \$0.80 | \$0.00105 | R |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 | R |
| Transmission Voltage | \$2.35 | \$0.00277 | R |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-46)

| | | |
|---|---|---------------------------------|
| Date Filed: <u>03-15-19</u> <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: <u>06-01-19</u> |
| | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. <u>E, G999/CI-17-895E002/GR-19-564</u> | | Order Date: <u>05-10-19</u> |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
~~22nd~~23rd Revised Sheet No. 65

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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DAY-TYPE

Separate energy charges are defined for each of eight day-types. Company will normally designate the applicable day-type for each day by 4:00 p.m. of the preceding day. If Company has not designated the applicable day by 4:00 p.m., the day-type will be the same as the last designated day-type, unless Company later designates a lower cost day-type.

CONTRACT

Customers must contract for this service through an Electric Service Agreement with Company. Contract period will normally be for one year.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

PEAK PERIOD HOURS DEFINITION

Peak period hours are the nine hours between 9:00 a.m. and 6:00 p.m. for day-types 1, 2, 3, 4, 5, and 6. No peak period hours are applicable for day-types 7 and 8.

(Continued on Sheet No. 5-65.1)

Date Filed: ~~11-02-15~~11-01-19 By: Christopher B. Clark Effective Date: ~~10-01-17~~
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-~~15-826~~19-564 Order Date: ~~06-12-17~~

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
~~47th~~18th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

| | | | |
|---|----------------|----------|-------------------------------|
| Customer Charge per Month per Traction Station | | \$100.00 | |
| Transmission and Distribution Demand Charge per Month per kW | | | |
| All Traction Station On Peak Non-Coincident Billing Demands | | \$5.28 | R |
| Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand | | \$1.55 | |
| Generation Demand Charge per Month per kW | | | |
| Rail Line On Peak Coincident Billing Demand | <u>Oct-May</u> | \$4.41 | <u>Jun-Sep</u> \$8.71 R |
| Energy Charge per kWh | | | |
| On Peak Period Energy | | | \$0.04750 |
| Off Peak Period Energy | | | \$0.02236 R |
| Energy Charge Credit per Month per kWh | | | |
| All Energy in Excess of 400 Hours Times the On Peak Period Coincident Billing Demand, Not to Exceed 50% of the Energy | | | \$0.01303 R |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-72)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 11-01-19 | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 E002/GR-19-564 | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SYSTEM SERVICE
RATE CODE A30

Section No. 5
~~26th~~27th Revised Sheet No. 74

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by High Pressure Sodium (HPS), Metal Halide or Light Emitting Diode (LED) luminaires supported on poles, where the facilities for this service are furnished by Company. Underground Service under this schedule is limited to areas having a Company owned underground electric distribution system. Standard Service includes a monthly payment for the lighting system cost. Pre-Pay Option requires customer payment for the lighting system cost before establishing service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| Designation of Lamp (Lumens) | Monthly Rate Per Luminaire | | | Pre-Pay Option |
|--|----------------------------|-------------|------------|----------------|
| | Overhead | Underground | Decorative | |
| 70W High Pressure Sodium | \$9.63 | \$19.54 | -- | \$5.97 |
| 100W High Pressure Sodium | \$10.17 | \$20.07 | \$31.67 | \$6.66 |
| 150W High Pressure Sodium | \$10.95 | \$20.86 | \$32.84 | \$7.54 |
| 200W High Pressure Sodium* | \$12.88 | -- | -- | -- |
| 250W High Pressure Sodium | \$13.87 | \$23.38 | \$34.89 | \$9.61 |
| 400W High Pressure Sodium | \$16.85 | \$26.06 | \$37.38 | \$12.42 |
| 175W Metal Halide | \$14.98 | \$27.90 | \$37.38 | \$13.54 |
| 30-40W Light Emitting Diode (4,000) | \$10.32 | \$20.22 | -- | \$4.90 |
| 50-75W Light Emitting Diode (6,000) | \$11.01 | \$20.91 | -- | \$5.49 |
| 110-165W Light Emitting Diode (14,000) | \$14.46 | \$23.96 | -- | \$7.05 |
| 200-250W Light Emitting Diode (25,000) | \$17.98 | \$27.19 | -- | \$8.93 |

*Closed to new customers

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

(Continued on Sheet No 5-74.1)

Date Filed: 03-15-1911-01-19 By: Christopher B. Clark Effective Date: 06-01-19
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E, G999/CI-17-895E002/GR-19- Order Date: 05-10-19
564

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING ENERGY SERVICE (CLOSED)
RATE CODE A32

Section No. 5
~~25th~~26th Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> (Lumens) | <u>Monthly Rate per Luminaire</u> |
|--|-----------------------------------|
| 100W Mercury | \$2.45 |
| 175W Mercury | \$3.64 |
| 250W Mercury | \$4.94 |
| 400W Mercury | \$7.69 |
| 700W Mercury | \$12.78 |
| 1,000W Mercury | \$17.77 |
| 50W High Pressure Sodium | \$1.37 |
| 70W High Pressure Sodium | \$1.73 |
| 100W High Pressure Sodium | \$2.29 |
| 150W High Pressure Sodium | \$3.14 |
| 200W High Pressure Sodium | \$4.18 |
| 250W High Pressure Sodium | \$5.28 |
| 400W High Pressure Sodium | \$8.03 |
| 750W High Pressure Sodium | \$13.78 |
| F72HO Fluorescent | \$3.61 |
| <30W Light Emitting Diode (2,500) | \$1.06 |
| 30-45W Light Emitting Diode (4,000) | \$1.34 |
| 50-75W Light Emitting Diode (6,000) | \$1.85 |
| 110-165W Light Emitting Diode (14,000) | \$3.44 |
| 200-250W Light Emitting Diode (25,000) | \$5.14 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

(Continued on Sheet No. 5-77)

| | | |
|---|--------------------------|-------------------------------------|
| Date Filed: 11-24-18 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: 07-09-19 |
| President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. E002/ M-18-729 <u>GR-19-564</u> | | Order Date: 05-10-19 |

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING ENERGY SERVICE - METERED
RATE CODE A34

Section No. 5
~~29th~~30th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Meter per Month \$5.00

Energy Charge per kWh \$0.04534

R

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 78.1)

Date Filed: ~~03-15-19~~11-01-19 By: Christopher B. Clark Effective Date: ~~06-01-19~~
President, Northern States Power Company, a Minnesota corporation
Docket No. ~~E, G999/CI-17-~~ Order Date: ~~05-10-19~~
895E002/GR-19-564

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SERVICE - CITY OF ST. PAUL
(CLOSED)
RATE CODE A37**

Section No. 5
~~27th~~^{28th} Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> | <u>Monthly Rate per Luminaire</u> |
|----------------------------|-----------------------------------|
| 100W High Pressure Sodium | \$5.48 |
| 150W High Pressure Sodium | \$6.14 |
| 250W High Pressure Sodium | \$8.60 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-81)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 11-21-18 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 07-09-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E002/ M-18-729 ^{GR-19-564} | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40

Section No. 5
~~30th~~31st Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Oct-May</u> | <u>Jun-Sep</u> |
|---------------------------|----------------|----------------|
| Customer Charge per Month | \$10.00 | \$10.00 |
| Energy Charge per kWh | \$0.07757 | \$0.09256 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark President, Northern States Power Company, a Minnesota corporation | Effective Date: | 06-01-19 |
| Docket No. | E, G999/CI-17- <u>895E002/GR-19-564</u> | | Order Date: | 05-10-19 |

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MUNICIPAL PUMPING SERVICE

Section No. 5

RATE CODE A41

~~34th~~^{32nd} Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

| | | | |
|--|----------------|---------------------------|----------------|
| Customer Charge per Month | | \$25.64 | |
| | <u>Oct-May</u> | | <u>Jun-Sep</u> |
| Service at Secondary Voltage | | | |
| Demand Charge per Month per kW | \$10.49 | | \$14.79 |
| Energy Charge per kWh | | \$0.03407 | |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours | | \$0.01518 | |
| Times the Billing Demand | | | |
| | | <u>January - December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | | \$0.00105 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-88)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 ^{E002/GR-19-564} | | Order Date: | 05-10-19 |

FIRE AND CIVIL DEFENSE SIREN SERVICE
RATE CODE A42

Section No. 5
~~14th~~^{15th} Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Per Month per Horsepower of Connected Capacity \$0.76

R

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

MONTHLY MINIMUM CHARGE

Net per Month \$3.66

R

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

CONNECTION

Under the above rate, the Company will make no extension for service other than a normal service span. Where conditions are such that a long service connection or extra transformer capacity, or both, are necessary, the customer shall either pay the entire cost of such extra equipment or pay a monthly facilities charge based on such costs.

The circuit serving the siren must be in conduit from the entrance to the motor with an enclosed entrance switch box, which may be sealed and operated from an external appliance.

OPTIONAL

In case the customer already has a service connection of sufficient capacity to permit operation of the siren without unduly disturbing conditions on the Company's nearby circuits, the siren may be connected at the option of the customer on the load side of the customer's existing meter and the commercial rate applied to the total load.

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17- 895E002/GR-19-564 | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5

~~12th~~^{13th} Revised Sheet No. 94

CANCELED AVAILABILITY

GDN

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge

This temporary Interim Rate Surcharge Rider will expire when final rates become effective.

RATE

Each rate schedule that the Interim Rate Surcharge applies to contains the following text:

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N

Date Filed: ~~11-02-15~~¹¹⁻⁰¹⁻¹⁹

By: Christopher B. Clark

Effective Date: ~~10-01-17~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~15-826~~¹⁹⁻⁵⁶⁴

Order Date: ~~06-12-17~~

OFF SEASON LOAD RIDER

Section No. 5

~~5th~~^{6th} Revised Sheet No. 100

AVAILABILITY

Available to any General Service customer whose maximum monthly demand occurs during the usage months of April, May, October, or November. Typical applications would be agricultural grain drying and handling loads.

RATE

The General Service rate provisions apply except the adjusted demands established during the usage months of April, May, October, and November are not included in determining the 50% demand ratchet contained in the General Service determination of demand provision.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
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TERMS AND CONDITIONS OF SERVICE

1. The customer's usage months for this Rider must be contained by the following meter reading schedule. The two month fall season begins no earlier than the billing cycle 11 meter reading date in mid-September and ends no later than the billing cycle 10 meter reading date in mid-December. The two month spring season begins no earlier than the billing cycle 11 meter reading date in mid-March and ends no later than the billing cycle 10 meter reading date in mid-June.
2. Customer must compensate Company for the costs associated with local distribution facilities required to serve customer load during the months of April, May, October, and November, which is in excess of customer's base load during the remaining months.

Date Filed: ~~11-02-15~~11-01-19

By: Christopher B. Clark

Effective Date: ~~10-01-17~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~15-826~~19-564

Order Date: ~~06-12-17~~

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

PHOTOVOLTAIC DEMAND CREDIT RIDER

Section No. 5

RATE CODE A85 (CLOSED)

~~4th~~^{5th} Revised Sheet No. 125

RATE CODE A86

AVAILABILITY – GENERAL

Applicable by customer request to demand-metered commercial and industrial customers that use Solar Photovoltaic as a customer-sited generation source with a capacity greater than 40 kW (AC) with a single production meter to serve all or a portion of customer's electric energy requirements. Not available to customer-sited generation that is the subject of another incentive program such as Solar*Rewards.

AVAILABILITY – CLOSED RATE

Availability of the closed rate is limited to qualifying customer account locations that: 1) are receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider is originally approved by the Commission, or 2) have enrolled for the Rider before the date the credit rate in this Rider is revised by the Commission. The closed rate will remain fixed for a six year period beginning with the original Commission order date approving this Rider, expiring April 20, 2024. After expiration of the closed rate, the applicable standard rate will replace the closed rate.

The standard rate will apply to customer account locations that do not qualify for the closed rate. The standard rate may be revised at any time subject to approval by the Commission.

RATE

Customer Charge per Month \$25.75

Credit per kWh of Peak Period Solar Photovoltaic Generation (A85 - Closed) \$0.07139

Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) \$0.07139

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

CREDIT KWH LIMIT

The maximum kWh applied to the Rider credit per kWh each billing period is the Peak Period maximum 15-minute Solar Photovoltaic kW output for the billing period times 100 hours for billing periods ending in the months of June, July, August or September and 75 hours for billing periods ending in other months.

CREDIT LIMIT

The maximum credit for each billing period is the applicable standard or on-peak billed demand charge from the base tariff associated with this Rider. For Peak-Controlled Service and Peak-Controlled Time of Day Service customers, the maximum credit for each billing period is the billed demand charge for Firm Demand.

DEFINITION OF PEAK PERIOD

Peak period hours are the six hours between 1:00 p.m. and 7 p.m. for all days.

TERMS AND CONDITIONS OF SERVICE

1. Customer will execute an Electric Service Agreement with the Company that will specify:
 - a) The base tariff associated with this Rider, and
 - b) The installed capacity (AC) of customer's Solar Photovoltaic generation.
2. Company will install, own, and maintain the metering to measure the electric power and energy supplied by customer generation to allow for proper billing of the customer under this Rider. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, the customer may be permitted to do so, subject to Company's approval of such equipment.
3. Company reserves the right to limit availability of this Rider to customer situations where the Solar Photovoltaic generation used by customer does not significantly affect the monthly peak demand of customer.

Date Filed: ~~05-19-16~~¹¹⁻⁰¹⁻¹⁹

By: Christopher B. Clark

Effective Date: ~~06-01-18~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/~~M-13-315 & E999/CI-15-115~~^{GR-19-564}

Order Date: ~~04-20-18~~

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

2020 INTERIM

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

PHOTOVOLTAIC DEMAND CREDIT RIDER

Section No. 5

RATE CODE A85 (CLOSED)

~~4th~~5th Revised Sheet No. 125

RATE CODE A86

4. For Solar Photovoltaic generation, this Rider supersedes other Standby Service tariff provisions.

Date Filed: ~~05-19-16~~11-01-19

By: Christopher B. Clark

Effective Date: ~~06-01-18~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/~~M-13-315 & E999/CI-15-115~~GR-19-564

Order Date: ~~04-20-18~~

**2020 Interim Tariffs
Clean**

2020 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

- Sheet No. 1-3, revision 18
- Sheet No. 5-1, revision 32
- Sheet No. 5-2, revision 32
- Sheet No. 5-4.1, revision 2
- Sheet No. 5-5, revision 20
- Sheet No. 5-7, revision 6
- Sheet No. 5-8.2, revision 1
- Sheet No. 5-9, revision 31
- Sheet No. 5-11, revision 34
- Sheet No. 5-14, revision 25
- Sheet No. 5-21, revision 32
- Sheet No. 5-23, revision 32
- Sheet No. 5-26, revision 32
- Sheet No. 5-29, revision 28
- Sheet No. 5-41, revision 19
- Sheet No. 5-45, revision 26
- Sheet No. 5-65, revision 23
- Sheet No. 5-71, revision 18
- Sheet No. 5-74, revision 27
- Sheet No. 5-76, revision 26
- Sheet No. 5-78, revision 30
- Sheet No. 5-80, revision 28
- Sheet No. 5-85, revision 31
- Sheet No. 5-87, revision 32
- Sheet No. 5-89, revision 15
- Sheet No. 5-94, revision 13
- Sheet No. 5-100, revision 6
- Sheet No. 5-125, revision 5

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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 18th Revised Sheet No. 3

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(Continued on Sheet No. 1-4)

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|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE
RATE CODE A00, A01, A03

Section No. 5
32nd Revised Sheet No. 1

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> |
|---|-----------------|-------------------------------|
| Customer Charge per Month – Water Heating (A00) | \$0.00 | N/A |
| – Overhead (A01) | \$8.00 | \$10.00 |
| – Underground (A03) | \$10.00 | \$12.00 |
| Energy Charge per kWh | | |
| June - September | \$0.10301 | \$0.10301 |
| Other Months | \$0.08803 | \$0.05988 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-1.1)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF DAY SERVICE
RATE CODE A02, A04**

Section No. 5
32nd Revised Sheet No. 2

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> |
|---------------------------------------|-----------------|-------------------------------|
| Customer Charge per Month | | |
| Overhead (A02) | \$10.00 | \$12.00 |
| Underground (A04) | \$12.00 | \$14.00 |
| On Peak Period Energy Charge per kWh | | |
| June - September | \$0.20497 | \$0.20497 |
| Other Months | \$0.16508 | \$0.09284 |
| Off Peak Period Energy Charge per kWh | | |
| June - September | \$0.04170 | \$0.04170 |
| Other Months | \$0.04170 | \$0.04170 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-3)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF USE PILOT PROGRAM
SERVICE
RATE CODE A72, A74**

Section No. 5
2nd Revised Sheet No. 4.1

PILOT PROGRAM DESIGN

This is an experimental rate design for the residential Time of Use Pilot Program to be applied for two years from the effective date of this rate schedule. Participating customers will have received Residential Service without electric space heating prior to the Pilot, and may elect a return to the Residential Service rate schedule following the Pilot.

AVAILABILITY

A maximum of 10,000 customers will be selected to receive service with this rate schedule. The Company will determine pilot participants that receive service through the Hiawatha West, Midtown, or Westgate substations. Pilot participants will not include customers that are on net metering service or have other interconnected distributed generation on their premise, or customers that also receive Energy Controlled (Non-Demand Metered) Service, Residential Electric Vehicle Service, Limited Off-Peak Service, or customers that are medical equipment-dependent. Pilot participants may elect to opt out of participation in this Pilot for a specific premise.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Bill Protection may also apply. Details regarding the specific charges applicable to this service and Bill Protection are listed below.

RATE

Customer Charge per Month

| | |
|-------------------|---------|
| Overhead (A72) | \$8.00 |
| Underground (A74) | \$10.00 |

Energy Charge per kWh

| | |
|------------------|-----------|
| June – September | |
| On-Peak Period | \$0.22576 |
| Mid-Peak Period | \$0.09013 |
| Off-Peak Period | \$0.02784 |

Other Months

| | |
|-----------------|-----------|
| On-Peak Period | \$0.19266 |
| Mid-Peak Period | \$0.07515 |
| Off-Peak Period | \$0.02784 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-4.2)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
20th Revised Sheet No. 5

AVAILABILITY

Available to residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsource Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---------------------------------------|-----------|
| Customer Charge per Month | \$4.95 |
| On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |
| Off-Peak Period Energy Charge per kWh | \$0.04170 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-6)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81**

Section No. 5
6th Revised Sheet No. 7

AVAILABILITY

Available while this Pilot Service is in effect to Residential Service customers for service only to electric vehicle loads including battery charging and accessory usage. Bundled service includes Company installed and provided charging equipment. Pre-Pay Option service is available to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and /or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---------------------------------------|-----------|
| Customer Charge per Month | |
| Bundled (A80) | \$17.47 |
| Pre-Pay Option (A81) | \$7.10 |
| On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |
| Off-Peak Period Energy Charge per kWh | \$0.04170 |

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

(Continued on Sheet No. 5-8)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota Corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION
PILOT SERVICE (Continued)
RATE CODE A82, A83**

Section No. 5
1st Revised Sheet No. 8.2

RATE

Customer Charge per Month

| | |
|------------------------------|---------|
| <u>General System Energy</u> | |
| Bundled (A82) | \$43.63 |
| Pre-Pay Option (A83) | \$33.22 |

| | |
|-------------------------------------|---------|
| <u>Renewable Energy (Windsorce)</u> | |
| Bundled (A82) | \$46.15 |
| Pre-Pay Option (A83) | \$35.74 |

| | |
|---|-----------|
| Excess On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

The monthly customer charge includes preset fuel charges for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

The monthly customer charge includes a preset Resource Adjustment charge for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-8.3)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota Corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ENERGY CONTROLLED SERVICE
(NON-DEMAND METERED)
RATE CODE A05**

Section No. 5
31st Revised Sheet No. 9

AVAILABILITY

Available to residential and commercial customers with permanently connected interruptible loads of up to 50 kW that would be under Company control. The types of loads served would include dual fuel space heating, water heating, and other loads subject to Company approval.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | Residential | Commercial & Industrial |
|-----------------------|-------------|-------------------------|
| Customer Charge | \$4.95 | \$4.95 |
| Energy Charge per kWh | \$0.04487 | \$0.04487 |
| Optional | | |
| June - September | \$0.10301 | \$0.09256 |
| Other Months | \$0.04487 | \$0.04487 |

OPTIONAL ENERGY CHARGE

This option is available to customers with heat pump installations for non-interruptible service during June through September billing months.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-10)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIMITED OFF PEAK SERVICE
RATE CODE A06**

Section No. 5
34th Revised Sheet No. 11

AVAILABILITY

Available to any customers for controlled loads that will be energized only for the time period between 10:00 p.m. to 6:30 a.m. daily.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Residential</u> | <u>Commercial & Industrial</u> |
|---------------------------|--------------------|------------------------------------|
| Customer Charge per Month | | |
| Secondary Voltage | | |
| Single Phase | \$4.95 | \$10.00 |
| Three Phase | -- | \$13.60 |
| Primary Voltage | -- | \$60.00 |
| Transmission Transformed | -- | \$60.00 |
| Transmission | -- | \$60.00 |
| Energy Charge per kWh | | |
| Secondary Voltage | \$0.03665 | \$0.03665 |
| Primary Voltage | -- | \$0.03560 |
| Transmission Transformed | -- | \$0.03398 |
| Transmission | -- | \$0.03388 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-11.1)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**AUTOMATIC PROTECTIVE LIGHTING SERVICE
RATE CODE A07**

Section No. 5
25th Revised Sheet No. 14

AVAILABILITY

Available to all types of customers except for municipal street lighting purposes.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> (Lumens) | <u>Monthly Rate Per Unit</u> |
|--|------------------------------|
| Area Units | |
| 100W High Pressure Sodium | \$7.41 |
| 175W Mercury (1) | \$7.41 |
| 250W High Pressure Sodium | \$11.83 |
| 400W Mercury (1) | \$11.83 |
| | |
| 30-45W Light Emitting Diode (4,000) | \$7.28 |
| 110-165W Light Emitting Diode (14,000) | \$11.33 |
| | |
| Directional Units | |
| 250W High Pressure Sodium | \$14.08 |
| | |
| 400W High Pressure Sodium | \$17.62 |
| 1,000W Mercury (1) | \$27.33 |

(1) Available to existing installations only.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

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

SERVICE INCLUDED IN RATE

Company shall own, operate, and maintain the lighting unit including the fixture, lamp, ballast, photoelectric control, mounting brackets, and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-15)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-19-564 Order Date:

N
N
N

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE
RATE CODE A09, A10, A11, A13

Section No. 5
32nd Revised Sheet No. 21

AVAILABILITY

Standard service (i.e., alternating current) is available to any non-residential customer for single or three phase electric service. Direct Current service is only available in Minneapolis and St. Paul to the extent now used.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|---------|
| Customer Charge per Month – Unmetered (A09) | \$8.00 |
| – Metered (A10) | \$10.00 |
| – Water Heating (A11) | \$0.00 |
| – Direct Current (A13) | \$10.00 |

Energy Charge per kWh

| | |
|------------------|-----------|
| June - September | \$0.09256 |
| Other Months | \$0.07757 |

| | |
|---|--------|
| Demand Charge (Direct Current Only) per Month per kW of Connected Load | \$3.61 |
|---|--------|

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-22)

| | | |
|---------------------------|---|-----------------|
| Date Filed: 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. E002/GR-19-564 | | Order Date: |

SMALL GENERAL TIME OF DAY SERVICE
RATE CODE A12, A16, A18, A22

Section No. 5
32nd Revised Sheet No. 23

AVAILABILITY

Available to any non-residential customer for single or three phase electric service supplied through one meter.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|--------------------------|
| Customer Charge per Month – Time Of Day Metered (A12) | \$12.00 |
| – kWh Metered (A16) | \$10.00 |
| – Unmetered (A18) | \$8.00 |
| – Low Wattage (A22) | (Please see page 5-24.1) |

| Energy Charge per kWh | <u>Oct-May</u> | <u>Jun-Sep</u> |
|---|----------------|----------------|
| On Peak Period (A12) | \$0.11723 | \$0.14880 |
| Off Peak Period (A12) | \$0.04170 | \$0.04170 |
| Constant Hourly (A16, A18, A22) (= 35% On, 65% Off) | \$0.06814 | \$0.07919 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-24)

| | | |
|---------------------------|---|-----------------|
| Date Filed: 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL SERVICE
RATE CODE A14

Section No. 5
 32nd Revised Sheet No. 26

AVAILABILITY

Available to any non-residential customer for general service where customer is not required to be on a time-of-day rate schedule. Once the customer's 15-minute measured demands are equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the General Time of Day service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | | | |
|--|----------------|-----------|---------------------------|
| Customer Charge per Month | | \$25.64 | |
| Service at Secondary Voltage | <u>Oct-May</u> | | <u>Jun-Sep</u> |
| Demand Charge per Month per kW | \$10.49 | | \$14.79 |
| Energy Charge per kWh | | \$0.03407 | |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours | | \$0.01518 | |
| Times the Billing Demand | | | |
| | | | <u>January – December</u> |
| Voltage Discounts per Month | <u>Per kW</u> | | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | | \$0.00105 |
| Transmission Transformed Voltage | \$1.55 | | \$0.00267 |
| Transmission Voltage | \$2.35 | | \$0.00277 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
 N
 N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-27)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

**GENERAL TIME OF DAY SERVICE
 RATE CODE A15, A17, A19**

Section No. 5
 28th Revised Sheet No. 29

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any non-residential customer for general service having a 15-minute measured demand equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1,000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | | |
|---|---------------------------|----------------|
| Customer Charge per Month – Time Of Day Metered (A15) | | \$29.64 |
| -- kWh Metered (A17) | | \$25.64 |
| -- Unmetered (A19) | | \$21.64 |
| Service at Secondary Voltage | <u>Oct-May</u> | <u>Jun-Sep</u> |
| Demand Charge per Month per kW | | |
| On Peak Period Demand | \$10.49 | \$14.79 |
| Off Peak Period Demand in Excess of On Peak Period Demand | \$2.35 | \$2.35 |
| Energy Charge per kWh | | |
| On Peak Period Energy | \$0.04855 | |
| Off Peak Period Energy | \$0.02341 | |
| Energy Charge Credit per Month per kWh | | |
| All kWh in Excess of 400 Hours Times the On Peak Period Billing Demand, Not to Exceed 50% of Total kWh | \$0.01518 | |
| | <u>January - December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | \$0.00105 |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 |
| Transmission Voltage | \$2.35 | \$0.00277 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
 N
 N

(Continued on Sheet No. 5-30)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
19th Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP's established criteria.

DETERMINATION OF DEMAND

Maximum Actual Demand in kW shall be the greatest 15-minute load during the billing month.

Adjusted Demand in kW for billing purposes shall be determined by dividing the Maximum Actual Demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW.

(Continued on Sheet No. 5-42)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE

Section No. 5

(Continued)

26th Revised Sheet No. 45

RATE CODE A24

RATE (Continued)

| | <u>Tier 1</u> | <u>Tier 2</u> |
|--|---------------------------|----------------|
| Demand Charge per Month per kW | | |
| On Peak Period Demand | | |
| Firm Demand | | |
| June - September | \$14.79 | \$14.79 |
| Other Months | \$10.49 | \$10.49 |
| Controllable Demand (Jan-Dec) | | |
| Level A: < 65% PF | Not Available | \$8.88 |
| Level B: ≥ 65% and < 85% PF | \$7.15 | \$7.86 |
| Level C: ≥ 85% PF | \$6.56 | \$7.34 |
| Short Notice Rider | \$6.09 | Not Available |
| Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec) | \$2.35 | \$2.35 |
| | <u>January - December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | \$0.00105 |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 |
| Transmission Voltage | \$2.35 | \$0.00277 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-46)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
23rd Revised Sheet No. 65

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

DAY-TYPE

Separate energy charges are defined for each of eight day-types. Company will normally designate the applicable day-type for each day by 4:00 p.m. of the preceding day. If Company has not designated the applicable day by 4:00 p.m., the day-type will be the same as the last designated day-type, unless Company later designates a lower cost day-type.

CONTRACT

Customers must contract for this service through an Electric Service Agreement with Company. Contract period will normally be for one year.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

PEAK PERIOD HOURS DEFINITION

Peak period hours are the nine hours between 9:00 a.m. and 6:00 p.m. for day-types 1, 2, 3, 4, 5, and 6. No peak period hours are applicable for day-types 7 and 8.

(Continued on Sheet No. 5-65.1)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
18th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

| | | | |
|--|----------------|----------|--------------------------|
| Customer Charge per Month per Traction Station | | \$100.00 | |
| Transmission and Distribution Demand Charge per Month per kW | | | |
| All Traction Station On Peak Non-Coincident Billing Demands | | \$5.28 | |
| Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand | | \$1.55 | |
| Generation Demand Charge per Month per kW | | | |
| Rail Line On Peak Coincident Billing Demand | <u>Oct-May</u> | \$4.41 | <u>Jun-Sep</u> \$8.71 |
| Energy Charge per kWh | | | |
| On Peak Period Energy | | | \$0.04750 |
| Off Peak Period Energy | | | \$0.02236 |
| Energy Charge Credit per Month per kWh | | | |
| All Energy in Excess of 400 Hours Times the On Peak Period Coincident Billing Demand, Not to Exceed 50% of the Energy | | | \$0.01303 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-72)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SYSTEM SERVICE
 RATE CODE A30**

Section No. 5
 27th Revised Sheet No. 74

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by High Pressure Sodium (HPS), Metal Halide or Light Emitting Diode (LED) luminaires supported on poles, where the facilities for this service are furnished by Company. Underground Service under this schedule is limited to areas having a Company owned underground electric distribution system. Standard Service includes a monthly payment for the lighting system cost. Pre-Pay Option requires customer payment for the lighting system cost before establishing service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| Designation of Lamp (Lumens) | Monthly Rate Per Luminaire | | | Pre-Pay Option |
|--|----------------------------|-------------|------------|----------------|
| | Standard Service | | | |
| | Overhead | Underground | Decorative | |
| 70W High Pressure Sodium | \$9.63 | \$19.54 | -- | \$5.97 |
| 100W High Pressure Sodium | \$10.17 | \$20.07 | \$31.67 | \$6.66 |
| 150W High Pressure Sodium | \$10.95 | \$20.86 | \$32.84 | \$7.54 |
| 200W High Pressure Sodium* | \$12.88 | -- | -- | -- |
| 250W High Pressure Sodium | \$13.87 | \$23.38 | \$34.89 | \$9.61 |
| 400W High Pressure Sodium | \$16.85 | \$26.06 | \$37.38 | \$12.42 |
| 175W Metal Halide | \$14.98 | \$27.90 | \$37.38 | \$13.54 |
| 30-40W Light Emitting Diode (4,000) | \$10.32 | \$20.22 | -- | \$4.90 |
| 50-75W Light Emitting Diode (6,000) | \$11.01 | \$20.91 | -- | \$5.49 |
| 110-165W Light Emitting Diode (14,000) | \$14.46 | \$23.96 | -- | \$7.05 |
| 200-250W Light Emitting Diode (25,000) | \$17.98 | \$27.19 | -- | \$8.93 |

*Closed to new customers

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
 N
 N

(Continued on Sheet No 5-74.1)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE (CLOSED)
 RATE CODE A32**

Section No. 5
 26th Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> (Lumens) | <u>Monthly Rate per Luminaire</u> |
|--|-----------------------------------|
| 100W Mercury | \$2.45 |
| 175W Mercury | \$3.64 |
| 250W Mercury | \$4.94 |
| 400W Mercury | \$7.69 |
| 700W Mercury | \$12.78 |
| 1,000W Mercury | \$17.77 |
| 50W High Pressure Sodium | \$1.37 |
| 70W High Pressure Sodium | \$1.73 |
| 100W High Pressure Sodium | \$2.29 |
| 150W High Pressure Sodium | \$3.14 |
| 200W High Pressure Sodium | \$4.18 |
| 250W High Pressure Sodium | \$5.28 |
| 400W High Pressure Sodium | \$8.03 |
| 750W High Pressure Sodium | \$13.78 |
| F72HO Fluorescent | \$3.61 |
| <30W Light Emitting Diode (2,500) | \$1.06 |
| 30-45W Light Emitting Diode (4,000) | \$1.34 |
| 50-75W Light Emitting Diode (6,000) | \$1.85 |
| 110-165W Light Emitting Diode (14,000) | \$3.44 |
| 200-250W Light Emitting Diode (25,000) | \$5.14 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
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(Continued on Sheet No. 5-77)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE - METERED
RATE CODE A34**

Section No. 5
30th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Meter per Month \$5.00

Energy Charge per kWh \$0.04534

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 78.1)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SERVICE - CITY OF ST. PAUL
(CLOSED)
RATE CODE A37**

Section No. 5
28th Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> | <u>Monthly Rate per Luminaire</u> |
|----------------------------|-----------------------------------|
| 100W High Pressure Sodium | \$5.48 |
| 150W High Pressure Sodium | \$6.14 |
| 250W High Pressure Sodium | \$8.60 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-81)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
31st Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Oct-May</u> | <u>Jun-Sep</u> |
|---------------------------|----------------|----------------|
| Customer Charge per Month | \$10.00 | \$10.00 |
| Energy Charge per kWh | \$0.07757 | \$0.09256 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MUNICIPAL PUMPING SERVICE
RATE CODE A41**

Section No. 5
32nd Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

| | | |
|--|---------------------------|----------------|
| Customer Charge per Month | | \$25.64 |
| | <u>Oct-May</u> | <u>Jun-Sep</u> |
| Service at Secondary Voltage | | |
| Demand Charge per Month per kW | \$10.49 | \$14.79 |
| Energy Charge per kWh | | \$0.03407 |
| Energy Charge Credit per Month per kWh | | |
| All kWh in Excess of 400 Hours | | \$0.01518 |
| Times the Billing Demand | | |
| | <u>January - December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | \$0.00105 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-88)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**FIRE AND CIVIL DEFENSE SIREN SERVICE
RATE CODE A42**

Section No. 5
15th Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Per Month per Horsepower of Connected Capacity \$0.76

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

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

MONTHLY MINIMUM CHARGE

Net per Month \$3.66

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

CONNECTION

Under the above rate, the Company will make no extension for service other than a normal service span. Where conditions are such that a long service connection or extra transformer capacity, or both, are necessary, the customer shall either pay the entire cost of such extra equipment or pay a monthly facilities charge based on such costs.

The circuit serving the siren must be in conduit from the entrance to the motor with an enclosed entrance switch box, which may be sealed and operated from an external appliance.

OPTIONAL

In case the customer already has a service connection of sufficient capacity to permit operation of the siren without unduly disturbing conditions on the Company's nearby circuits, the siren may be connected at the option of the customer on the load side of the customer's existing meter and the commercial rate applied to the total load.

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5
13th Revised Sheet No. 94

AVAILABILITY

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge

This temporary Interim Rate Surcharge Rider will expire when final rates become effective.

RATE

Each rate schedule that the Interim Rate Surcharge applies to contains the following text:

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

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OFF SEASON LOAD RIDER

Section No. 5
6th Revised Sheet No. 100

AVAILABILITY

Available to any General Service customer whose maximum monthly demand occurs during the usage months of April, May, October, or November. Typical applications would be agricultural grain drying and handling loads.

RATE

The General Service rate provisions apply except the adjusted demands established during the usage months of April, May, October, and November are not included in determining the 50% demand ratchet contained in the General Service determination of demand provision.

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

N
N
N

TERMS AND CONDITIONS OF SERVICE

1. The customer's usage months for this Rider must be contained by the following meter reading schedule. The two month fall season begins no earlier than the billing cycle 11 meter reading date in mid-September and ends no later than the billing cycle 10 meter reading date in mid-December. The two month spring season begins no earlier than the billing cycle 11 meter reading date in mid-March and ends no later than the billing cycle 10 meter reading date in mid-June.
2. Customer must compensate Company for the costs associated with local distribution facilities required to serve customer load during the months of April, May, October, and November, which is in excess of customer's base load during the remaining months.

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**PHOTOVOLTAIC DEMAND CREDIT RIDER
RATE CODE A85 (CLOSED)
RATE CODE A86**

Section No. 5
5th Revised Sheet No. 125

AVAILABILITY – GENERAL

Applicable by customer request to demand-metered commercial and industrial customers that use Solar Photovoltaic as a customer-sited generation source with a capacity greater than 40 kW (AC) with a single production meter to serve all or a portion of customer's electric energy requirements. Not available to customer-sited generation that is the subject of another incentive program such as Solar*Rewards.

AVAILABILITY – CLOSED RATE

Availability of the closed rate is limited to qualifying customer account locations that: 1) are receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider is originally approved by the Commission, or 2) have enrolled for the Rider before the date the credit rate in this Rider is revised by the Commission. The closed rate will remain fixed for a six year period beginning with the original Commission order date approving this Rider, expiring April 20, 2024. After expiration of the closed rate, the applicable standard rate will replace the closed rate.

The standard rate will apply to customer account locations that do not qualify for the closed rate. The standard rate may be revised at any time subject to approval by the Commission.

RATE

Customer Charge per Month \$25.75

| | |
|--|-----------|
| Credit per kWh of Peak Period Solar Photovoltaic Generation (A85 - Closed) | \$0.07139 |
| Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) | \$0.07139 |

INTERIM RATE ADJUSTMENT

A 5.65% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2020.

CREDIT KWH LIMIT

The maximum kWh applied to the Rider credit per kWh each billing period is the Peak Period maximum 15-minute Solar Photovoltaic kW output for the billing period times 100 hours for billing periods ending in the months of June, July, August or September and 75 hours for billing periods ending in other months.

CREDIT LIMIT

The maximum credit for each billing period is the applicable standard or on-peak billed demand charge from the base tariff associated with this Rider. For Peak-Controlled Service and Peak-Controlled Time of Day Service customers, the maximum credit for each billing period is the billed demand charge for Firm Demand.

DEFINITION OF PEAK PERIOD

Peak period hours are the six hours between 1:00 p.m. and 7 p.m. for all days.

TERMS AND CONDITIONS OF SERVICE

- Customer will execute an Electric Service Agreement with the Company that will specify:
 - The base tariff associated with this Rider, and
 - The installed capacity (AC) of customer's Solar Photovoltaic generation.
- Company will install, own, and maintain the metering to measure the electric power and energy supplied by customer generation to allow for proper billing of the customer under this Rider. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, the customer may be permitted to do so, subject to Company's approval of such equipment.
- Company reserves the right to limit availability of this Rider to customer situations where the Solar Photovoltaic generation used by customer does not significantly affect the monthly peak demand of customer.
- For Solar Photovoltaic generation, this Rider supersedes other Standby Service tariff provisions.

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

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**2021 Interim Tariffs
Redline**

2021 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

- Sheet No. 1-3, revision 18
- Sheet No. 5-1, revision 32
- Sheet No. 5-2, revision 32
- Sheet No. 5-4.1, revision 2
- Sheet No. 5-5, revision 20
- Sheet No. 5-7, revision 6
- Sheet No. 5-8.2, revision 1
- Sheet No. 5-9, revision 31
- Sheet No. 5-11, revision 34
- Sheet No. 5-14, revision 25
- Sheet No. 5-21, revision 32
- Sheet No. 5-23, revision 32
- Sheet No. 5-26, revision 32
- Sheet No. 5-29, revision 28
- Sheet No. 5-41, revision 19
- Sheet No. 5-45, revision 26
- Sheet No. 5-65, revision 23
- Sheet No. 5-71, revision 18
- Sheet No. 5-74, revision 27
- Sheet No. 5-76, revision 26
- Sheet No. 5-78, revision 30
- Sheet No. 5-80, revision 28
- Sheet No. 5-85, revision 31
- Sheet No. 5-87, revision 32
- Sheet No. 5-89, revision 15
- Sheet No. 5-94, revision 13
- Sheet No. 5-100, revision 6
- Sheet No. 5-125, revision 5

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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~~17th~~18th Revised Sheet No. 3

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(Continued on Sheet No. 1-4)

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|-------------|---|---|-----------------|---------------------|
| Date Filed: | 05-19-16 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 06-01-18 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E002/ M-13-315 & E999/CI-15-115 <u>GR-19-564</u> | | Order Date: | 04-20-18 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE

Section No. 5

RATE CODE A00, A01, A03

~~31st~~32nd Revised Sheet No. 1

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> | |
|---|-----------------|-------------------------------|---|
| Customer Charge per Month – Water Heating (A00) | \$0.00 | N/A | |
| – Overhead (A01) | \$8.00 | \$10.00 | |
| – Underground (A03) | \$10.00 | \$12.00 | |
| Energy Charge per kWh | | | |
| June - September | \$0.10301 | \$0.10301 | R |
| Other Months | \$0.08803 | \$0.05988 | R |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-1.1)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 <u>E002/GR-19-564</u> | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL TIME OF DAY SERVICE

Section No. 5

RATE CODE A02, A04

~~31st~~32nd Revised Sheet No. 2

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> | |
|---------------------------------------|-----------------|-------------------------------|---|
| Customer Charge per Month | | | |
| Overhead (A02) | \$10.00 | \$12.00 | |
| Underground (A04) | \$12.00 | \$14.00 | |
| On Peak Period Energy Charge per kWh | | | |
| June - September | \$0.20497 | \$0.20497 | P |
| Other Months | \$0.16508 | \$0.09284 | P |
| Off Peak Period Energy Charge per kWh | | | |
| June - September | \$0.04170 | \$0.04170 | P |
| Other Months | \$0.04170 | \$0.04170 | P |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-3)

| | | |
|---|---|-------------------------------------|
| Date Filed: 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark President, Northern States Power Company, a Minnesota corporation | Effective Date: 06-01-19 |
| Docket No. E, G999/CI-17-895 <u>E002/GR-19-564</u> | | Order Date: 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL TIME OF USE PILOT PROGRAM

Section No. 5

SERVICE

~~1st~~^{2nd} Revised Sheet No. 4.1

RATE CODE A72, A74

PILOT PROGRAM DESIGN

This is an experimental rate design for the residential Time of Use Pilot Program to be applied for two years from the effective date of this rate schedule. Participating customers will have received Residential Service without electric space heating prior to the Pilot, and may elect a return to the Residential Service rate schedule following the Pilot.

AVAILABILITY

A maximum of 10,000 customers will be selected to receive service with this rate schedule. The Company will determine pilot participants that receive service through the Hiawatha West, Midtown, or Westgate substations. Pilot participants will not include customers that are on net metering service or have other interconnected distributed generation on their premise, or customers that also receive Energy Controlled (Non-Demand Metered) Service, Residential Electric Vehicle Service, Limited Off-Peak Service, or customers that are medical equipment-dependent. Pilot participants may elect to opt out of participation in this Pilot for a specific premise.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Bill Protection may also apply. Details regarding the specific charges applicable to this service and Bill Protection are listed below.

RATE

Customer Charge per Month

| | |
|-------------------|---------|
| Overhead (A72) | \$8.00 |
| Underground (A74) | \$10.00 |

Energy Charge per kWh

| | |
|------------------|-----------|
| June – September | |
| On-Peak Period | \$0.22576 |
| Mid-Peak Period | \$0.09013 |
| Off-Peak Period | \$0.02784 |

Other Months

| | |
|-----------------|-----------|
| On-Peak Period | \$0.19266 |
| Mid-Peak Period | \$0.07515 |
| Off-Peak Period | \$0.02784 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-4.2)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E,G999/CI-17-895 ^{E002/GR-19-564} | | Order Date: | 05-10-19 |

###

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
~~19th~~20th Revised Sheet No. 5

AVAILABILITY

Available to residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month \$4.95

On-Peak Period Energy Charge per kWh

June - September \$0.20497

Other Months \$0.16508

R
R

Off-Peak Period Energy Charge per kWh \$0.04170

R

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-6)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 <u>E002/GR-19-564</u> | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81

Section No. 5
~~5th~~^{6th} Revised Sheet No. 7

AVAILABILITY

Available while this Pilot Service is in effect to Residential Service customers for service only to electric vehicle loads including battery charging and accessory usage. Bundled service includes Company installed and provided charging equipment. Pre-Pay Option service is available to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and /or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---------------------------------------|-----------|
| Customer Charge per Month | |
| Bundled (A80) | \$17.47 |
| Pre-Pay Option (A81) | \$7.10 |
| On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |
| Off-Peak Period Energy Charge per kWh | \$0.04170 |

N
N
N

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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(Continued on Sheet No. 5-8)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| Docket No. | E, G999/CI-17- 895E002/GR-19-564 | President, Northern States Power Company, a Minnesota Corporation | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE

Section No. 5

RATE CODE A80, A81

~~5th~~6th Revised Sheet No. 7

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

(Continued on Sheet No. 5-8)

Date Filed: ~~03-15-19~~11-01-19

By: Christopher B. Clark

Effective Date: ~~06-01-19~~

President, Northern States Power Company, a Minnesota Corporation

Docket No. ~~E, G999/CI-17-~~
~~895E002/GR-19-564~~

Order Date: ~~05-10-19~~

RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION

Section No. 5

PILOT SERVICE (Continued)

~~Original~~ 1st Revised Sheet No. 8.2

RATE CODE A82, A83

RATE

Customer Charge per Month

General System Energy

Bundled (A82) \$43.63

Pre-Pay Option (A83) \$33.22

Renewable Energy (Windsources)

Bundled (A82) \$46.15

Pre-Pay Option (A83) \$35.74

Excess On-Peak Period Energy Charge per kWh

June - September \$0.20497

Other Months \$0.16508

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

The monthly customer charge includes preset fuel charges for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

The monthly customer charge includes a preset Resource Adjustment charge for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-8.3)

Date Filed: ~~02-22-19~~ 11-01-19

By: Christopher B. Clark

Effective Date: 10-07-19

President, Northern States Power Company, a Minnesota Corporation

Docket No. E002/~~M-19-186~~ GR-19-564

Order Date: 10-07-19

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ENERGY CONTROLLED SERVICE
 (NON-DEMAND METERED)
 RATE CODE A05**

Section No. 5
~~30th~~31st Revised Sheet No. 9

AVAILABILITY

Available to residential and commercial customers with permanently connected interruptible loads of up to 50 kW that would be under Company control. The types of loads served would include dual fuel space heating, water heating, and other loads subject to Company approval.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | Residential | Commercial & Industrial | |
|-----------------------|-------------|-------------------------|---|
| Customer Charge | \$4.95 | \$4.95 | |
| Energy Charge per kWh | \$0.04487 | \$0.04487 | R |
| Optional | | | |
| June - September | \$0.10301 | \$0.09256 | R |
| Other Months | \$0.04487 | \$0.04487 | R |

OPTIONAL ENERGY CHARGE

This option is available to customers with heat pump installations for non-interruptible service during June through September billing months.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-10)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 11-01-19 | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 E002/GR- 19-564 | | Order Date: | 05-10-19 |

LIMITED OFF PEAK SERVICE
RATE CODE A06

Section No. 5
~~33rd~~34th Revised Sheet No. 11

AVAILABILITY

Available to any customers for controlled loads that will be energized only for the time period between 10:00 p.m. to 6:30 a.m. daily.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Residential</u> | <u>Commercial & Industrial</u> |
|---------------------------|--------------------|------------------------------------|
| Customer Charge per Month | | |
| Secondary Voltage | | |
| Single Phase | \$4.95 | \$10.00 |
| Three Phase | -- | \$13.60 |
| Primary Voltage | -- | \$60.00 |
| Transmission Transformed | -- | \$60.00 |
| Transmission | -- | \$60.00 |
| Energy Charge per kWh | | |
| Secondary Voltage | \$0.03665 | \$0.03665 |
| Primary Voltage | -- | \$0.03560 |
| Transmission Transformed | -- | \$0.03398 |
| Transmission | -- | \$0.03388 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-11.1)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E,G999/CJ-17- <u>895E002/GR-19-564</u> | | Order Date: | 05-10-19 |

N N N N N N N N

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**AUTOMATIC PROTECTIVE LIGHTING SERVICE
 RATE CODE A07**

Section No. 5
~~24th~~^{25th} Revised Sheet No. 14

AVAILABILITY

Available to all types of customers except for municipal street lighting purposes.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> (Lumens) | <u>Monthly Rate Per Unit</u> |
|--|------------------------------|
| Area Units | |
| 100W High Pressure Sodium | \$7.41 |
| 175W Mercury (1) | \$7.41 |
| 250W High Pressure Sodium | \$11.83 |
| 400W Mercury (1) | \$11.83 |
| Directional Units | |
| 30-45W Light Emitting Diode (4,000) | \$7.28 |
| 110-165W Light Emitting Diode (14,000) | \$11.33 |
| Directional Units | |
| 250W High Pressure Sodium | \$14.08 |
| 400W High Pressure Sodium | \$17.62 |
| 1,000W Mercury (1) | \$27.33 |

(1) Available to existing installations only.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

SERVICE INCLUDED IN RATE

Company shall own, operate, and maintain the lighting unit including the fixture, lamp, ballast, photoelectric control, mounting brackets, and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-15)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 11-21-18 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 07-09-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E002/ M-18-729 ^{GR-19-564} | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE

Section No. 5

RATE CODE A09, A10, A11, A13

~~31st~~32nd Revised Sheet No. 21

AVAILABILITY

Standard service (i.e., alternating current) is available to any non-residential customer for single or three phase electric service. Direct Current service is only available in Minneapolis and St. Paul to the extent now used.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|---------|
| Customer Charge per Month – Unmetered (A09) | \$8.00 |
| – Metered (A10) | \$10.00 |
| – Water Heating (A11) | \$0.00 |
| – Direct Current (A13) | \$10.00 |

Energy Charge per kWh

| | | |
|------------------|-----------|----------|
| June - September | \$0.09256 | <u>R</u> |
| Other Months | \$0.07757 | <u>R</u> |

| | | |
|---|--------|----------|
| Demand Charge (Direct Current Only) per Month per kW of Connected Load | \$3.61 | <u>R</u> |
|---|--------|----------|

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-22)

| | | |
|--|---|-------------------------------------|
| Date Filed: 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark President, Northern States Power Company, a Minnesota corporation | Effective Date: 06-01-19 |
| Docket No. E, G999/CI-17- <u>895E002/GR-19-564</u> | | Order Date: 05-10-19 |

SMALL GENERAL TIME OF DAY SERVICE
RATE CODE A12, A16, A18, A22

Section No. 5

~~31st~~^{32nd} Revised Sheet No. 23

AVAILABILITY

Available to any non-residential customer for single or three phase electric service supplied through one meter.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A12) \$12.00
– kWh Metered (A16) \$10.00
– Unmetered (A18) \$8.00
– Low Wattage (A22) (Please see page 5-24.1)

| Energy Charge per kWh | <u>Oct-May</u> | <u>Jun-Sep</u> | |
|---|----------------|----------------|---|
| On Peak Period (A12) | \$0.11723 | \$0.14880 | R |
| Off Peak Period (A12) | \$0.04170 | \$0.04170 | R |
| Constant Hourly (A16, A18, A22) (= 35% On, 65% Off) | \$0.06814 | \$0.07919 | R |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-24)

Date Filed: ~~03-15-19~~¹¹⁻⁰¹⁻¹⁹ By: Christopher B. Clark Effective Date: ~~06-01-19~~
President, Northern States Power Company, a Minnesota corporation
Docket No. ~~E, G999/CI-17-~~ Order Date: ~~05-10-19~~
~~895E002/GR-19-564~~

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL SERVICE
RATE CODE A14

Section No. 5
~~31st~~^{32nd} Revised Sheet No. 26

AVAILABILITY

Available to any non-residential customer for general service where customer is not required to be on a time-of-day rate schedule. Once the customer's 15-minute measured demands are equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the General Time of Day service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | | | |
|--|----------------|---------------------------|----------------|
| Customer Charge per Month | | \$25.64 | |
| Service at Secondary Voltage | <u>Oct-May</u> | | <u>Jun-Sep</u> |
| Demand Charge per Month per kW | \$10.49 | | \$14.79 |
| Energy Charge per kWh | | \$0.03407 | |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours | | \$0.01518 | |
| Times the Billing Demand | | | |
| | | <u>January — December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | | \$0.00105 |
| Transmission Transformed Voltage | \$1.55 | | \$0.00267 |
| Transmission Voltage | \$2.35 | | \$0.00277 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-27)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 ^{E002/GR-19-564} | | Order Date: | 05-10-19 |

**GENERAL TIME OF DAY SERVICE
 RATE CODE A15, A17, A19**

Section No. 5
~~27th~~^{28th} Revised Sheet No. 29

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any non-residential customer for general service having a 15-minute measured demand equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1,000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|---------|
| Customer Charge per Month – Time Of Day Metered (A15) | \$29.64 |
| -- kWh Metered (A17) | \$25.64 |
| -- Unmetered (A19) | \$21.64 |

| Service at Secondary Voltage | <u>Oct-May</u> | <u>Jun-Sep</u> | |
|--|---------------------------|----------------|---|
| Demand Charge per Month per kW | | | |
| On Peak Period Demand | \$10.49 | \$14.79 | R |
| Off Peak Period Demand in Excess of On Peak Period Demand | \$2.35 | \$2.35 | |
| Energy Charge per kWh | | | |
| On Peak Period Energy | \$0.04855 | | R |
| Off Peak Period Energy | \$0.02341 | | R |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours Times the On Peak Period Billing Demand, Not to Exceed 50% of Total kWh | \$0.01518 | | R |
| | <u>January - December</u> | | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> | |
| Primary Voltage | \$0.80 | \$0.00105 | R |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 | R |
| Transmission Voltage | \$2.35 | \$0.00277 | R |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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(Continued on Sheet No. 5-30)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 ^{E002/GR-19-564} | | Order Date: | 05-10-19 |

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
~~18th~~19th Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP's established criteria.

DETERMINATION OF DEMAND

Maximum Actual Demand in kW shall be the greatest 15-minute load during the billing month.

Adjusted Demand in kW for billing purposes shall be determined by dividing the Maximum Actual Demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW.

(Continued on Sheet No. 5-42)

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|-------------|-----------------------------------|---|-----------------|---------------------|
| Date Filed: | 11-02-15 11-01-19 | By: Christopher B. Clark | Effective Date: | 10-01-17 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E002/GR- 15-826 19-564 | | Order Date: | 06-12-17 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE

Section No. 5

(Continued)

~~25th~~26th Revised Sheet No. 45

RATE CODE A24

RATE (Continued)

| Demand Charge per Month per kW | <u>Tier 1</u> | <u>Tier 2</u> | |
|--|---------------------------|----------------|---|
| On Peak Period Demand | | | |
| Firm Demand | | | |
| June - September | \$14.79 | \$14.79 | R |
| Other Months | \$10.49 | \$10.49 | R |
| Controllable Demand (Jan-Dec) | | | |
| Level A: < 65% PF | Not Available | \$8.88 | R |
| Level B: ≥ 65% and < 85% PF | \$7.15 | \$7.86 | R |
| Level C: ≥ 85% PF | \$6.56 | \$7.34 | R |
| Short Notice Rider | \$6.09 | Not Available | R |
| Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec) | \$2.35 | \$2.35 | |
| | <u>January - December</u> | | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> | |
| Primary Voltage | \$0.80 | \$0.00105 | R |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 | R |
| Transmission Voltage | \$2.35 | \$0.00277 | R |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-46)

| | | |
|---|---|---------------------------------|
| Date Filed: <u>03-15-19</u> <u>11-01-19</u> | By: Christopher B. Clark | Effective Date: <u>06-01-19</u> |
| | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. <u>E, G999/CI-17-895E002/GR-19-564</u> | | Order Date: <u>05-10-19</u> |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
~~22nd~~23rd Revised Sheet No. 65

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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DAY-TYPE

Separate energy charges are defined for each of eight day-types. Company will normally designate the applicable day-type for each day by 4:00 p.m. of the preceding day. If Company has not designated the applicable day by 4:00 p.m., the day-type will be the same as the last designated day-type, unless Company later designates a lower cost day-type.

CONTRACT

Customers must contract for this service through an Electric Service Agreement with Company. Contract period will normally be for one year.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

PEAK PERIOD HOURS DEFINITION

Peak period hours are the nine hours between 9:00 a.m. and 6:00 p.m. for day-types 1, 2, 3, 4, 5, and 6. No peak period hours are applicable for day-types 7 and 8.

(Continued on Sheet No. 5-65.1)

Date Filed: ~~11-02-15~~11-01-19 By: Christopher B. Clark Effective Date: ~~10-01-17~~
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-~~15-826~~19-564 Order Date: ~~06-12-17~~

LIGHT RAIL LINE TARIFF
RATE CODE A29

Section No. 5
~~47th~~18th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

| | | | |
|---|----------------|----------|-------------------------------|
| Customer Charge per Month per Traction Station | | \$100.00 | |
| Transmission and Distribution Demand Charge per Month per kW | | | |
| All Traction Station On Peak Non-Coincident Billing Demands | | \$5.28 | R |
| Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand | | \$1.55 | |
| Generation Demand Charge per Month per kW | | | |
| Rail Line On Peak Coincident Billing Demand | <u>Oct-May</u> | \$4.41 | <u>Jun-Sep</u> \$8.71 R |
| Energy Charge per kWh | | | |
| On Peak Period Energy | | | \$0.04750 |
| Off Peak Period Energy | | | \$0.02236 R |
| Energy Charge Credit per Month per kWh | | | |
| All Energy in Excess of 400 Hours Times the On Peak Period Coincident Billing Demand, Not to Exceed 50% of the Energy | | | \$0.01303 R |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-72)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 11-01-19 | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 E002/GR-19-564 | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SYSTEM SERVICE
RATE CODE A30

Section No. 5
~~26th~~27th Revised Sheet No. 74

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by High Pressure Sodium (HPS), Metal Halide or Light Emitting Diode (LED) luminaires supported on poles, where the facilities for this service are furnished by Company. Underground Service under this schedule is limited to areas having a Company owned underground electric distribution system. Standard Service includes a monthly payment for the lighting system cost. Pre-Pay Option requires customer payment for the lighting system cost before establishing service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| Designation of Lamp (Lumens) | Monthly Rate Per Luminaire | | | Pre-Pay Option |
|--|----------------------------|-------------|------------|----------------|
| | Standard Service | | | |
| | Overhead | Underground | Decorative | |
| 70W High Pressure Sodium | \$9.63 | \$19.54 | -- | \$5.97 |
| 100W High Pressure Sodium | \$10.17 | \$20.07 | \$31.67 | \$6.66 |
| 150W High Pressure Sodium | \$10.95 | \$20.86 | \$32.84 | \$7.54 |
| 200W High Pressure Sodium* | \$12.88 | -- | -- | -- |
| 250W High Pressure Sodium | \$13.87 | \$23.38 | \$34.89 | \$9.61 |
| 400W High Pressure Sodium | \$16.85 | \$26.06 | \$37.38 | \$12.42 |
| 175W Metal Halide | \$14.98 | \$27.90 | \$37.38 | \$13.54 |
| 30-40W Light Emitting Diode (4,000) | \$10.32 | \$20.22 | -- | \$4.90 |
| 50-75W Light Emitting Diode (6,000) | \$11.01 | \$20.91 | -- | \$5.49 |
| 110-165W Light Emitting Diode (14,000) | \$14.46 | \$23.96 | -- | \$7.05 |
| 200-250W Light Emitting Diode (25,000) | \$17.98 | \$27.19 | -- | \$8.93 |

*Closed to new customers

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

(Continued on Sheet No 5-74.1)

Date Filed: 03-15-1911-01-19 By: Christopher B. Clark Effective Date: 06-01-19
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E, G999/CI-17-895E002/GR-19- Order Date: 05-10-19
564

STREET LIGHTING ENERGY SERVICE (CLOSED)
RATE CODE A32

Section No. 5
~~25th~~26th Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp (Lumens)</u> | <u>Monthly Rate per Luminaire</u> |
|--|-----------------------------------|
| 100W Mercury | \$2.45 |
| 175W Mercury | \$3.64 |
| 250W Mercury | \$4.94 |
| 400W Mercury | \$7.69 |
| 700W Mercury | \$12.78 |
| 1,000W Mercury | \$17.77 |
| 50W High Pressure Sodium | \$1.37 |
| 70W High Pressure Sodium | \$1.73 |
| 100W High Pressure Sodium | \$2.29 |
| 150W High Pressure Sodium | \$3.14 |
| 200W High Pressure Sodium | \$4.18 |
| 250W High Pressure Sodium | \$5.28 |
| 400W High Pressure Sodium | \$8.03 |
| 750W High Pressure Sodium | \$13.78 |
| F72HO Fluorescent | \$3.61 |
| <30W Light Emitting Diode (2,500) | \$1.06 |
| 30-45W Light Emitting Diode (4,000) | \$1.34 |
| 50-75W Light Emitting Diode (6,000) | \$1.85 |
| 110-165W Light Emitting Diode (14,000) | \$3.44 |
| 200-250W Light Emitting Diode (25,000) | \$5.14 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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(Continued on Sheet No. 5-77)

Date Filed: ~~41-21-18~~11-01-19 By: Christopher B. Clark Effective Date: ~~07-09-19~~
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E002/~~M-18-729~~GR-19-564 Order Date: ~~05-10-19~~

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING ENERGY SERVICE - METERED
RATE CODE A34

Section No. 5
~~29th~~30th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Meter per Month \$5.00

Energy Charge per kWh \$0.04534

R

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 78.1)

Date Filed: ~~03-15-19~~11-01-19 By: Christopher B. Clark Effective Date: ~~06-01-19~~
President, Northern States Power Company, a Minnesota corporation
Docket No. ~~E,G999/CI-17-~~ Order Date: ~~05-10-19~~
895E002/GR-19-564

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SERVICE - CITY OF ST. PAUL
(CLOSED)
RATE CODE A37**

Section No. 5
~~27th~~^{28th} Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> | <u>Monthly Rate per Luminaire</u> |
|----------------------------|-----------------------------------|
| 100W High Pressure Sodium | \$5.48 |
| 150W High Pressure Sodium | \$6.14 |
| 250W High Pressure Sodium | \$8.60 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-81)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 11-21-18 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 07-09-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E002/ M-18-729 ^{GR-19-564} | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
~~30th~~31st Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Oct-May</u> | <u>Jun-Sep</u> |
|---------------------------|----------------|----------------|
| Customer Charge per Month | \$10.00 | \$10.00 |
| Energy Charge per kWh | \$0.07757 | \$0.09256 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 <u>11-01-19</u> | By: Christopher B. Clark President, Northern States Power Company, a Minnesota corporation | Effective Date: | 06-01-19 |
| Docket No. | E, G999/CI-17- <u>895E002/GR-19-564</u> | | Order Date: | 05-10-19 |

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MUNICIPAL PUMPING SERVICE
RATE CODE A41

Section No. 5
~~34th~~^{32nd} Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

| | | | |
|--|----------------|-----------|---------------------------|
| Customer Charge per Month | | \$25.64 | |
| | <u>Oct-May</u> | | <u>Jun-Sep</u> |
| Service at Secondary Voltage | | | |
| Demand Charge per Month per kW | \$10.49 | | \$14.79 |
| Energy Charge per kWh | | \$0.03407 | |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours | | \$0.01518 | |
| Times the Billing Demand | | | |
| | | | <u>January - December</u> |
| | <u>Per kW</u> | | <u>Per kWh</u> |
| Voltage Discounts per Month | | | |
| Primary Voltage | \$0.80 | | \$0.00105 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-88)

| | | | | |
|-------------|--|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17-895 ^{E002/GR-19-564} | | Order Date: | 05-10-19 |

FIRE AND CIVIL DEFENSE SIREN SERVICE
RATE CODE A42

Section No. 5
~~14th~~^{15th} Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Per Month per Horsepower of Connected Capacity \$0.76

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INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

MONTHLY MINIMUM CHARGE

Net per Month \$3.66

R

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

CONNECTION

Under the above rate, the Company will make no extension for service other than a normal service span. Where conditions are such that a long service connection or extra transformer capacity, or both, are necessary, the customer shall either pay the entire cost of such extra equipment or pay a monthly facilities charge based on such costs.

The circuit serving the siren must be in conduit from the entrance to the motor with an enclosed entrance switch box, which may be sealed and operated from an external appliance.

OPTIONAL

In case the customer already has a service connection of sufficient capacity to permit operation of the siren without unduly disturbing conditions on the Company's nearby circuits, the siren may be connected at the option of the customer on the load side of the customer's existing meter and the commercial rate applied to the total load.

| | | | | |
|-------------|---|---|-----------------|---------------------|
| Date Filed: | 03-15-19 ¹¹⁻⁰¹⁻¹⁹ | By: Christopher B. Clark | Effective Date: | 06-01-19 |
| | | President, Northern States Power Company, a Minnesota corporation | | |
| Docket No. | E, G999/CI-17- 895E002/GR-19-564 | | Order Date: | 05-10-19 |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5

~~12th~~^{13th} Revised Sheet No. 94

CANCELED AVAILABILITY

CDN

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge

This temporary Interim Rate Surcharge Rider will expire when final rates become effective.

RATE

Each rate schedule that the Interim Rate Surcharge applies to contains the following text:

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N

Date Filed: ~~11-02-15~~¹¹⁻⁰¹⁻¹⁹

By: Christopher B. Clark

Effective Date: ~~10-01-17~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~15-826~~¹⁹⁻⁵⁶⁴

Order Date: ~~06-12-17~~

OFF SEASON LOAD RIDER

Section No. 5

~~5th~~^{6th} Revised Sheet No. 100

AVAILABILITY

Available to any General Service customer whose maximum monthly demand occurs during the usage months of April, May, October, or November. Typical applications would be agricultural grain drying and handling loads.

RATE

The General Service rate provisions apply except the adjusted demands established during the usage months of April, May, October, and November are not included in determining the 50% demand ratchet contained in the General Service determination of demand provision.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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TERMS AND CONDITIONS OF SERVICE

1. The customer's usage months for this Rider must be contained by the following meter reading schedule. The two month fall season begins no earlier than the billing cycle 11 meter reading date in mid-September and ends no later than the billing cycle 10 meter reading date in mid-December. The two month spring season begins no earlier than the billing cycle 11 meter reading date in mid-March and ends no later than the billing cycle 10 meter reading date in mid-June.
2. Customer must compensate Company for the costs associated with local distribution facilities required to serve customer load during the months of April, May, October, and November, which is in excess of customer's base load during the remaining months.

Date Filed: ~~11-02-15~~11-01-19

By: Christopher B. Clark

Effective Date: ~~10-01-17~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~15-826~~19-564

Order Date: ~~06-12-17~~

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

PHOTOVOLTAIC DEMAND CREDIT RIDER

Section No. 5

RATE CODE A85 (CLOSED)

~~4th~~^{5th} Revised Sheet No. 125

RATE CODE A86

AVAILABILITY – GENERAL

Applicable by customer request to demand-metered commercial and industrial customers that use Solar Photovoltaic as a customer-sited generation source with a capacity greater than 40 kW (AC) with a single production meter to serve all or a portion of customer's electric energy requirements. Not available to customer-sited generation that is the subject of another incentive program such as Solar*Rewards.

AVAILABILITY – CLOSED RATE

Availability of the closed rate is limited to qualifying customer account locations that: 1) are receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider is originally approved by the Commission, or 2) have enrolled for the Rider before the date the credit rate in this Rider is revised by the Commission. The closed rate will remain fixed for a six year period beginning with the original Commission order date approving this Rider, expiring April 20, 2024. After expiration of the closed rate, the applicable standard rate will replace the closed rate.

The standard rate will apply to customer account locations that do not qualify for the closed rate. The standard rate may be revised at any time subject to approval by the Commission.

RATE

Customer Charge per Month \$25.75

Credit per kWh of Peak Period Solar Photovoltaic Generation (A85 - Closed) \$0.07139

Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) \$0.07139

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

CREDIT KWH LIMIT

The maximum kWh applied to the Rider credit per kWh each billing period is the Peak Period maximum 15-minute Solar Photovoltaic kW output for the billing period times 100 hours for billing periods ending in the months of June, July, August or September and 75 hours for billing periods ending in other months.

CREDIT LIMIT

The maximum credit for each billing period is the applicable standard or on-peak billed demand charge from the base tariff associated with this Rider. For Peak-Controlled Service and Peak-Controlled Time of Day Service customers, the maximum credit for each billing period is the billed demand charge for Firm Demand.

DEFINITION OF PEAK PERIOD

Peak period hours are the six hours between 1:00 p.m. and 7 p.m. for all days.

TERMS AND CONDITIONS OF SERVICE

1. Customer will execute an Electric Service Agreement with the Company that will specify:
 - a) The base tariff associated with this Rider, and
 - b) The installed capacity (AC) of customer's Solar Photovoltaic generation.
2. Company will install, own, and maintain the metering to measure the electric power and energy supplied by customer generation to allow for proper billing of the customer under this Rider. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, the customer may be permitted to do so, subject to Company's approval of such equipment.
3. Company reserves the right to limit availability of this Rider to customer situations where the Solar Photovoltaic generation used by customer does not significantly affect the monthly peak demand of customer.

Date Filed: ~~05-19-16~~¹¹⁻⁰¹⁻¹⁹

By: Christopher B. Clark

Effective Date: ~~06-01-18~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/~~M-13-315 & E999/CI-15-115~~^{GR-19-564}

Order Date: ~~04-20-18~~

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

2021 INTERIM

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

PHOTOVOLTAIC DEMAND CREDIT RIDER

Section No. 5

RATE CODE A85 (CLOSED)

~~4th~~5th Revised Sheet No. 125

RATE CODE A86

4. For Solar Photovoltaic generation, this Rider supersedes other Standby Service tariff provisions.

Date Filed: ~~05-19-16~~11-01-19

By: Christopher B. Clark

Effective Date: ~~06-01-18~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/~~M-13-315 & E999/CI-15-115~~GR-19-564

Order Date: ~~04-20-18~~

**2021 Interim Tariffs
Clean**

2021 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

- Sheet No. 1-3, revision 18
- Sheet No. 5-1, revision 32
- Sheet No. 5-2, revision 32
- Sheet No. 5-4.1, revision 2
- Sheet No. 5-5, revision 20
- Sheet No. 5-7, revision 6
- Sheet No. 5-8.2, revision 1
- Sheet No. 5-9, revision 31
- Sheet No. 5-11, revision 34
- Sheet No. 5-14, revision 25
- Sheet No. 5-21, revision 32
- Sheet No. 5-23, revision 32
- Sheet No. 5-26, revision 32
- Sheet No. 5-29, revision 28
- Sheet No. 5-41, revision 19
- Sheet No. 5-45, revision 26
- Sheet No. 5-65, revision 23
- Sheet No. 5-71, revision 18
- Sheet No. 5-74, revision 27
- Sheet No. 5-76, revision 26
- Sheet No. 5-78, revision 30
- Sheet No. 5-80, revision 28
- Sheet No. 5-85, revision 31
- Sheet No. 5-87, revision 32
- Sheet No. 5-89, revision 15
- Sheet No. 5-94, revision 13
- Sheet No. 5-100, revision 6
- Sheet No. 5-125, revision 5

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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 18th Revised Sheet No. 3

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|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE
RATE CODE A00, A01, A03

Section No. 5
32nd Revised Sheet No. 1

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> |
|---|-----------------|-------------------------------|
| Customer Charge per Month – Water Heating (A00) | \$0.00 | N/A |
| – Overhead (A01) | \$8.00 | \$10.00 |
| – Underground (A03) | \$10.00 | \$12.00 |
| Energy Charge per kWh | | |
| June - September | \$0.10301 | \$0.10301 |
| Other Months | \$0.08803 | \$0.05988 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-1.1)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF DAY SERVICE
RATE CODE A02, A04**

Section No. 5
32nd Revised Sheet No. 2

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Standard</u> | <u>Electric Space Heating</u> |
|---------------------------------------|-----------------|-------------------------------|
| Customer Charge per Month | | |
| Overhead (A02) | \$10.00 | \$12.00 |
| Underground (A04) | \$12.00 | \$14.00 |
| On Peak Period Energy Charge per kWh | | |
| June - September | \$0.20497 | \$0.20497 |
| Other Months | \$0.16508 | \$0.09284 |
| Off Peak Period Energy Charge per kWh | | |
| June - September | \$0.04170 | \$0.04170 |
| Other Months | \$0.04170 | \$0.04170 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-3)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF USE PILOT PROGRAM
SERVICE
RATE CODE A72, A74**

Section No. 5
2nd Revised Sheet No. 4.1

PILOT PROGRAM DESIGN

This is an experimental rate design for the residential Time of Use Pilot Program to be applied for two years from the effective date of this rate schedule. Participating customers will have received Residential Service without electric space heating prior to the Pilot, and may elect a return to the Residential Service rate schedule following the Pilot.

AVAILABILITY

A maximum of 10,000 customers will be selected to receive service with this rate schedule. The Company will determine pilot participants that receive service through the Hiawatha West, Midtown, or Westgate substations. Pilot participants will not include customers that are on net metering service or have other interconnected distributed generation on their premise, or customers that also receive Energy Controlled (Non-Demand Metered) Service, Residential Electric Vehicle Service, Limited Off-Peak Service, or customers that are medical equipment-dependent. Pilot participants may elect to opt out of participation in this Pilot for a specific premise.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Bill Protection may also apply. Details regarding the specific charges applicable to this service and Bill Protection are listed below.

RATE

Customer Charge per Month

| | |
|-------------------|---------|
| Overhead (A72) | \$8.00 |
| Underground (A74) | \$10.00 |

Energy Charge per kWh

| | |
|------------------|-----------|
| June – September | |
| On-Peak Period | \$0.22576 |
| Mid-Peak Period | \$0.09013 |
| Off-Peak Period | \$0.02784 |

Other Months

| | |
|-----------------|-----------|
| On-Peak Period | \$0.19266 |
| Mid-Peak Period | \$0.07515 |
| Off-Peak Period | \$0.02784 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-4.2)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
20th Revised Sheet No. 5

AVAILABILITY

Available to residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsource Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---------------------------------------|-----------|
| Customer Charge per Month | \$4.95 |
| On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |
| Off-Peak Period Energy Charge per kWh | \$0.04170 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-6)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81**

Section No. 5
6th Revised Sheet No. 7

AVAILABILITY

Available while this Pilot Service is in effect to Residential Service customers for service only to electric vehicle loads including battery charging and accessory usage. Bundled service includes Company installed and provided charging equipment. Pre-Pay Option service is available to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and /or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---------------------------------------|-----------|
| Customer Charge per Month | |
| Bundled (A80) | \$17.47 |
| Pre-Pay Option (A81) | \$7.10 |
| On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |
| Off-Peak Period Energy Charge per kWh | \$0.04170 |

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

(Continued on Sheet No. 5-8)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota Corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION
PILOT SERVICE (Continued)
RATE CODE A82, A83**

Section No. 5
1st Revised Sheet No. 8.2

RATE

Customer Charge per Month

| | |
|------------------------------|---------|
| <u>General System Energy</u> | |
| Bundled (A82) | \$43.63 |
| Pre-Pay Option (A83) | \$33.22 |

| | |
|---------------------------------------|---------|
| <u>Renewable Energy (Windsources)</u> | |
| Bundled (A82) | \$46.15 |
| Pre-Pay Option (A83) | \$35.74 |

| | |
|---|-----------|
| Excess On-Peak Period Energy Charge per kWh | |
| June - September | \$0.20497 |
| Other Months | \$0.16508 |

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

The monthly customer charge includes preset fuel charges for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

The monthly customer charge includes a preset Resource Adjustment charge for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-8.3)

| | | |
|---------------------------|---|-----------------|
| Date Filed: 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | President, Northern States Power Company, a Minnesota Corporation | |
| Docket No. E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ENERGY CONTROLLED SERVICE
(NON-DEMAND METERED)
RATE CODE A05**

Section No. 5
31st Revised Sheet No. 9

AVAILABILITY

Available to residential and commercial customers with permanently connected interruptible loads of up to 50 kW that would be under Company control. The types of loads served would include dual fuel space heating, water heating, and other loads subject to Company approval.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | Residential | Commercial & Industrial |
|-----------------------|-------------|-------------------------|
| Customer Charge | \$4.95 | \$4.95 |
| Energy Charge per kWh | \$0.04487 | \$0.04487 |
| Optional | | |
| June - September | \$0.10301 | \$0.09256 |
| Other Months | \$0.04487 | \$0.04487 |

OPTIONAL ENERGY CHARGE

This option is available to customers with heat pump installations for non-interruptible service during June through September billing months.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-10)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIMITED OFF PEAK SERVICE
RATE CODE A06**

Section No. 5
34th Revised Sheet No. 11

AVAILABILITY

Available to any customers for controlled loads that will be energized only for the time period between 10:00 p.m. to 6:30 a.m. daily.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Residential</u> | <u>Commercial & Industrial</u> |
|---------------------------|--------------------|------------------------------------|
| Customer Charge per Month | | |
| Secondary Voltage | | |
| Single Phase | \$4.95 | \$10.00 |
| Three Phase | -- | \$13.60 |
| Primary Voltage | -- | \$60.00 |
| Transmission Transformed | -- | \$60.00 |
| Transmission | -- | \$60.00 |
| Energy Charge per kWh | | |
| Secondary Voltage | \$0.03665 | \$0.03665 |
| Primary Voltage | -- | \$0.03560 |
| Transmission Transformed | -- | \$0.03398 |
| Transmission | -- | \$0.03388 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-11.1)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**AUTOMATIC PROTECTIVE LIGHTING SERVICE
RATE CODE A07**

Section No. 5
25th Revised Sheet No. 14

AVAILABILITY

Available to all types of customers except for municipal street lighting purposes.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> (Lumens) | <u>Monthly Rate Per Unit</u> |
|--|------------------------------|
| Area Units | |
| 100W High Pressure Sodium | \$7.41 |
| 175W Mercury (1) | \$7.41 |
| 250W High Pressure Sodium | \$11.83 |
| 400W Mercury (1) | \$11.83 |
| | |
| 30-45W Light Emitting Diode (4,000) | \$7.28 |
| 110-165W Light Emitting Diode (14,000) | \$11.33 |
| | |
| Directional Units | |
| 250W High Pressure Sodium | \$14.08 |
| | |
| 400W High Pressure Sodium | \$17.62 |
| 1,000W Mercury (1) | \$27.33 |

(1) Available to existing installations only.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

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

SERVICE INCLUDED IN RATE

Company shall own, operate, and maintain the lighting unit including the fixture, lamp, ballast, photoelectric control, mounting brackets, and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-15)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-19-564 Order Date:

N
N
N

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE
RATE CODE A09, A10, A11, A13

Section No. 5
32nd Revised Sheet No. 21

AVAILABILITY

Standard service (i.e., alternating current) is available to any non-residential customer for single or three phase electric service. Direct Current service is only available in Minneapolis and St. Paul to the extent now used.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|---------|
| Customer Charge per Month – Unmetered (A09) | \$8.00 |
| – Metered (A10) | \$10.00 |
| – Water Heating (A11) | \$0.00 |
| – Direct Current (A13) | \$10.00 |

Energy Charge per kWh

| | |
|------------------|-----------|
| June - September | \$0.09256 |
| Other Months | \$0.07757 |

| | |
|---|--------|
| Demand Charge (Direct Current Only) per Month per kW of Connected Load | \$3.61 |
|---|--------|

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-22)

| | | |
|---------------------------|---|-----------------|
| Date Filed: 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. E002/GR-19-564 | | Order Date: |

SMALL GENERAL TIME OF DAY SERVICE
RATE CODE A12, A16, A18, A22

Section No. 5
32nd Revised Sheet No. 23

AVAILABILITY

Available to any non-residential customer for single or three phase electric service supplied through one meter.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | |
|---|--------------------------|
| Customer Charge per Month – Time Of Day Metered (A12) | \$12.00 |
| – kWh Metered (A16) | \$10.00 |
| – Unmetered (A18) | \$8.00 |
| – Low Wattage (A22) | (Please see page 5-24.1) |

| Energy Charge per kWh | <u>Oct-May</u> | <u>Jun-Sep</u> |
|---|----------------|----------------|
| On Peak Period (A12) | \$0.11723 | \$0.14880 |
| Off Peak Period (A12) | \$0.04170 | \$0.04170 |
| Constant Hourly (A16, A18, A22) (= 35% On, 65% Off) | \$0.06814 | \$0.07919 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-24)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**GENERAL SERVICE
 RATE CODE A14**

Section No. 5
 32nd Revised Sheet No. 26

AVAILABILITY

Available to any non-residential customer for general service where customer is not required to be on a time-of-day rate schedule. Once the customer's 15-minute measured demands are equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the General Time of Day service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | | | |
|--|----------------|-----------|---------------------------|
| Customer Charge per Month | | \$25.64 | |
| Service at Secondary Voltage | <u>Oct-May</u> | | <u>Jun-Sep</u> |
| Demand Charge per Month per kW | \$10.49 | | \$14.79 |
| Energy Charge per kWh | | \$0.03407 | |
| Energy Charge Credit per Month per kWh | | | |
| All kWh in Excess of 400 Hours | | \$0.01518 | |
| Times the Billing Demand | | | |
| | | | <u>January – December</u> |
| Voltage Discounts per Month | <u>Per kW</u> | | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | | \$0.00105 |
| Transmission Transformed Voltage | \$1.55 | | \$0.00267 |
| Transmission Voltage | \$2.35 | | \$0.00277 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
 N
 N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-27)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

**GENERAL TIME OF DAY SERVICE
 RATE CODE A15, A17, A19**

Section No. 5
 28th Revised Sheet No. 29

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any non-residential customer for general service having a 15-minute measured demand equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1,000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | | |
|---|---------------------------|----------------|
| Customer Charge per Month – Time Of Day Metered (A15) | | \$29.64 |
| -- kWh Metered (A17) | | \$25.64 |
| -- Unmetered (A19) | | \$21.64 |
| Service at Secondary Voltage | <u>Oct-May</u> | <u>Jun-Sep</u> |
| Demand Charge per Month per kW | | |
| On Peak Period Demand | \$10.49 | \$14.79 |
| Off Peak Period Demand in Excess of On Peak Period Demand | \$2.35 | \$2.35 |
| Energy Charge per kWh | | |
| On Peak Period Energy | \$0.04855 | |
| Off Peak Period Energy | \$0.02341 | |
| Energy Charge Credit per Month per kWh | | |
| All kWh in Excess of 400 Hours Times the On Peak Period Billing Demand, Not to Exceed 50% of Total kWh | \$0.01518 | |
| | <u>January - December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | \$0.00105 |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 |
| Transmission Voltage | \$2.35 | \$0.00277 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
 N
 N

(Continued on Sheet No. 5-30)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
19th Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP's established criteria.

DETERMINATION OF DEMAND

Maximum Actual Demand in kW shall be the greatest 15-minute load during the billing month.

Adjusted Demand in kW for billing purposes shall be determined by dividing the Maximum Actual Demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW.

(Continued on Sheet No. 5-42)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE

Section No. 5

(Continued)

26th Revised Sheet No. 45

RATE CODE A24

RATE (Continued)

| | <u>Tier 1</u> | <u>Tier 2</u> |
|--|---------------------------|----------------|
| Demand Charge per Month per kW | | |
| On Peak Period Demand | | |
| Firm Demand | | |
| June - September | \$14.79 | \$14.79 |
| Other Months | \$10.49 | \$10.49 |
| Controllable Demand (Jan-Dec) | | |
| Level A: < 65% PF | Not Available | \$8.88 |
| Level B: ≥ 65% and < 85% PF | \$7.15 | \$7.86 |
| Level C: ≥ 85% PF | \$6.56 | \$7.34 |
| Short Notice Rider | \$6.09 | Not Available |
| Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec) | \$2.35 | \$2.35 |
| | <u>January - December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | \$0.00105 |
| Transmission Transformed Voltage | \$1.55 | \$0.00267 |
| Transmission Voltage | \$2.35 | \$0.00277 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-46)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
23rd Revised Sheet No. 65

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

DAY-TYPE

Separate energy charges are defined for each of eight day-types. Company will normally designate the applicable day-type for each day by 4:00 p.m. of the preceding day. If Company has not designated the applicable day by 4:00 p.m., the day-type will be the same as the last designated day-type, unless Company later designates a lower cost day-type.

CONTRACT

Customers must contract for this service through an Electric Service Agreement with Company. Contract period will normally be for one year.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

PEAK PERIOD HOURS DEFINITION

Peak period hours are the nine hours between 9:00 a.m. and 6:00 p.m. for day-types 1, 2, 3, 4, 5, and 6. No peak period hours are applicable for day-types 7 and 8.

(Continued on Sheet No. 5-65.1)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
18th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

| | | | |
|--|----------------|----------|--------------------------|
| Customer Charge per Month per Traction Station | | \$100.00 | |
| Transmission and Distribution Demand Charge per Month per kW | | | |
| All Traction Station On Peak Non-Coincident Billing Demands | | \$5.28 | |
| Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand | | \$1.55 | |
| Generation Demand Charge per Month per kW | | | |
| Rail Line On Peak Coincident Billing Demand | <u>Oct-May</u> | \$4.41 | <u>Jun-Sep</u> \$8.71 |
| Energy Charge per kWh | | | |
| On Peak Period Energy | | | \$0.04750 |
| Off Peak Period Energy | | | \$0.02236 |
| Energy Charge Credit per Month per kWh | | | |
| All Energy in Excess of 400 Hours Times the On Peak Period Coincident Billing Demand, Not to Exceed 50% of the Energy | | | \$0.01303 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 5-72)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SYSTEM SERVICE
 RATE CODE A30**

Section No. 5
 27th Revised Sheet No. 74

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by High Pressure Sodium (HPS), Metal Halide or Light Emitting Diode (LED) luminaires supported on poles, where the facilities for this service are furnished by Company. Underground Service under this schedule is limited to areas having a Company owned underground electric distribution system. Standard Service includes a monthly payment for the lighting system cost. Pre-Pay Option requires customer payment for the lighting system cost before establishing service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| Designation of Lamp (Lumens) | Monthly Rate Per Luminaire | | | Pre-Pay Option |
|--|----------------------------|-------------|------------|----------------|
| | Standard Service | | | |
| | Overhead | Underground | Decorative | |
| 70W High Pressure Sodium | \$9.63 | \$19.54 | -- | \$5.97 |
| 100W High Pressure Sodium | \$10.17 | \$20.07 | \$31.67 | \$6.66 |
| 150W High Pressure Sodium | \$10.95 | \$20.86 | \$32.84 | \$7.54 |
| 200W High Pressure Sodium* | \$12.88 | -- | -- | -- |
| 250W High Pressure Sodium | \$13.87 | \$23.38 | \$34.89 | \$9.61 |
| 400W High Pressure Sodium | \$16.85 | \$26.06 | \$37.38 | \$12.42 |
| 175W Metal Halide | \$14.98 | \$27.90 | \$37.38 | \$13.54 |
| 30-40W Light Emitting Diode (4,000) | \$10.32 | \$20.22 | -- | \$4.90 |
| 50-75W Light Emitting Diode (6,000) | \$11.01 | \$20.91 | -- | \$5.49 |
| 110-165W Light Emitting Diode (14,000) | \$14.46 | \$23.96 | -- | \$7.05 |
| 200-250W Light Emitting Diode (25,000) | \$17.98 | \$27.19 | -- | \$8.93 |

*Closed to new customers

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
 N
 N

(Continued on Sheet No 5-74.1)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE (CLOSED)
 RATE CODE A32**

Section No. 5
 26th Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> (Lumens) | <u>Monthly Rate per Luminaire</u> |
|--|-----------------------------------|
| 100W Mercury | \$2.45 |
| 175W Mercury | \$3.64 |
| 250W Mercury | \$4.94 |
| 400W Mercury | \$7.69 |
| 700W Mercury | \$12.78 |
| 1,000W Mercury | \$17.77 |
| 50W High Pressure Sodium | \$1.37 |
| 70W High Pressure Sodium | \$1.73 |
| 100W High Pressure Sodium | \$2.29 |
| 150W High Pressure Sodium | \$3.14 |
| 200W High Pressure Sodium | \$4.18 |
| 250W High Pressure Sodium | \$5.28 |
| 400W High Pressure Sodium | \$8.03 |
| 750W High Pressure Sodium | \$13.78 |
| F72HO Fluorescent | \$3.61 |
| <30W Light Emitting Diode (2,500) | \$1.06 |
| 30-45W Light Emitting Diode (4,000) | \$1.34 |
| 50-75W Light Emitting Diode (6,000) | \$1.85 |
| 110-165W Light Emitting Diode (14,000) | \$3.44 |
| 200-250W Light Emitting Diode (25,000) | \$5.14 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
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(Continued on Sheet No. 5-77)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
 President, Northern States Power Company, a Minnesota corporation
 Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE - METERED
RATE CODE A34**

Section No. 5
30th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Meter per Month \$5.00

Energy Charge per kWh \$0.04534

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

(Continued on Sheet No. 78.1)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SERVICE - CITY OF ST. PAUL
(CLOSED)
RATE CODE A37**

Section No. 5
28th Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| <u>Designation of Lamp</u> | <u>Monthly Rate per Luminaire</u> |
|----------------------------|-----------------------------------|
| 100W High Pressure Sodium | \$5.48 |
| 150W High Pressure Sodium | \$6.14 |
| 250W High Pressure Sodium | \$8.60 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

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

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-81)

Date Filed: 11-01-19 By: Christopher B. Clark Effective Date:
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-19-564 Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
31st Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

| | <u>Oct-May</u> | <u>Jun-Sep</u> |
|---------------------------|----------------|----------------|
| Customer Charge per Month | \$10.00 | \$10.00 |
| Energy Charge per kWh | \$0.07757 | \$0.09256 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MUNICIPAL PUMPING SERVICE
RATE CODE A41**

Section No. 5
32nd Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

| | | |
|--|---------------------------|----------------|
| Customer Charge per Month | | \$25.64 |
| | <u>Oct-May</u> | <u>Jun-Sep</u> |
| Service at Secondary Voltage | | |
| Demand Charge per Month per kW | \$10.49 | \$14.79 |
| Energy Charge per kWh | | \$0.03407 |
| Energy Charge Credit per Month per kWh | | |
| All kWh in Excess of 400 Hours | | \$0.01518 |
| Times the Billing Demand | | |
| | <u>January - December</u> | |
| Voltage Discounts per Month | <u>Per kW</u> | <u>Per kWh</u> |
| Primary Voltage | \$0.80 | \$0.00105 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-88)

| | | | |
|-------------|----------------|---|-----------------|
| Date Filed: | 11-01-19 | By: Christopher B. Clark | Effective Date: |
| | | President, Northern States Power Company, a Minnesota corporation | |
| Docket No. | E002/GR-19-564 | | Order Date: |

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**FIRE AND CIVIL DEFENSE SIREN SERVICE
RATE CODE A42**

Section No. 5
15th Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Per Month per Horsepower of Connected Capacity \$0.76

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
N

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

MONTHLY MINIMUM CHARGE

Net per Month \$3.66

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

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

CONNECTION

Under the above rate, the Company will make no extension for service other than a normal service span. Where conditions are such that a long service connection or extra transformer capacity, or both, are necessary, the customer shall either pay the entire cost of such extra equipment or pay a monthly facilities charge based on such costs.

The circuit serving the siren must be in conduit from the entrance to the motor with an enclosed entrance switch box, which may be sealed and operated from an external appliance.

OPTIONAL

In case the customer already has a service connection of sufficient capacity to permit operation of the siren without unduly disturbing conditions on the Company's nearby circuits, the siren may be connected at the option of the customer on the load side of the customer's existing meter and the commercial rate applied to the total load.

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5
13th Revised Sheet No. 94

AVAILABILITY

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge

This temporary Interim Rate Surcharge Rider will expire when final rates become effective.

RATE

Each rate schedule that the Interim Rate Surcharge applies to contains the following text:

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

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OFF SEASON LOAD RIDER

Section No. 5
6th Revised Sheet No. 100

AVAILABILITY

Available to any General Service customer whose maximum monthly demand occurs during the usage months of April, May, October, or November. Typical applications would be agricultural grain drying and handling loads.

RATE

The General Service rate provisions apply except the adjusted demands established during the usage months of April, May, October, and November are not included in determining the 50% demand ratchet contained in the General Service determination of demand provision.

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

N
N
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TERMS AND CONDITIONS OF SERVICE

1. The customer's usage months for this Rider must be contained by the following meter reading schedule.
The two month fall season begins no earlier than the billing cycle 11 meter reading date in mid-September and ends no later than the billing cycle 10 meter reading date in mid-December. The two month spring season begins no earlier than the billing cycle 11 meter reading date in mid-March and ends no later than the billing cycle 10 meter reading date in mid-June.
2. Customer must compensate Company for the costs associated with local distribution facilities required to serve customer load during the months of April, May, October, and November, which is in excess of customer's base load during the remaining months.

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**PHOTOVOLTAIC DEMAND CREDIT RIDER
RATE CODE A85 (CLOSED)
RATE CODE A86**

Section No. 5
5th Revised Sheet No. 125

AVAILABILITY – GENERAL

Applicable by customer request to demand-metered commercial and industrial customers that use Solar Photovoltaic as a customer-sited generation source with a capacity greater than 40 kW (AC) with a single production meter to serve all or a portion of customer's electric energy requirements. Not available to customer-sited generation that is the subject of another incentive program such as Solar*Rewards.

AVAILABILITY – CLOSED RATE

Availability of the closed rate is limited to qualifying customer account locations that: 1) are receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider is originally approved by the Commission, or 2) have enrolled for the Rider before the date the credit rate in this Rider is revised by the Commission. The closed rate will remain fixed for a six year period beginning with the original Commission order date approving this Rider, expiring April 20, 2024. After expiration of the closed rate, the applicable standard rate will replace the closed rate.

The standard rate will apply to customer account locations that do not qualify for the closed rate. The standard rate may be revised at any time subject to approval by the Commission.

RATE

Customer Charge per Month \$25.75

| | |
|--|-----------|
| Credit per kWh of Peak Period Solar Photovoltaic Generation (A85 - Closed) | \$0.07139 |
| Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) | \$0.07139 |

INTERIM RATE ADJUSTMENT

A 12.50% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2021.

CREDIT KWH LIMIT

The maximum kWh applied to the Rider credit per kWh each billing period is the Peak Period maximum 15-minute Solar Photovoltaic kW output for the billing period times 100 hours for billing periods ending in the months of June, July, August or September and 75 hours for billing periods ending in other months.

CREDIT LIMIT

The maximum credit for each billing period is the applicable standard or on-peak billed demand charge from the base tariff associated with this Rider. For Peak-Controlled Service and Peak-Controlled Time of Day Service customers, the maximum credit for each billing period is the billed demand charge for Firm Demand.

DEFINITION OF PEAK PERIOD

Peak period hours are the six hours between 1:00 p.m. and 7 p.m. for all days.

TERMS AND CONDITIONS OF SERVICE

- Customer will execute an Electric Service Agreement with the Company that will specify:
 - The base tariff associated with this Rider, and
 - The installed capacity (AC) of customer's Solar Photovoltaic generation.
- Company will install, own, and maintain the metering to measure the electric power and energy supplied by customer generation to allow for proper billing of the customer under this Rider. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, the customer may be permitted to do so, subject to Company's approval of such equipment.
- Company reserves the right to limit availability of this Rider to customer situations where the Solar Photovoltaic generation used by customer does not significantly affect the monthly peak demand of customer.
- For Solar Photovoltaic generation, this Rider supersedes other Standby Service tariff provisions.

Date Filed: 11-01-19

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-19-564

Order Date:

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