



414 Nicollet Mall  
Minneapolis, MN 55401

November 2, 2020

Mr. Will Seuffert  
Executive Secretary  
Minnesota Public Utilities Commission  
121 7<sup>th</sup> 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-20-723 & E002/M-20-748

Dear Mr. Seuffert:

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

As the Commission is aware, in Docket No. E002/M-20-743, Xcel Energy has proposed approval of certain mechanisms that would allow the Company to avoid the need for a base rate increase request at this time. However, in the event that this proposal is not accepted, 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 2016-2019 MYRP, approved in Docket No. E002/GR-15-826, 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 continuing to provide safe, reliable and affordable energy service. By making investments in renewable resources and in our nuclear plants, we continue to deliver carbon-free generation, consistent with the expectations of our customers and policy makers. By continuing our investment in our transmission and distribution systems, we will promote continued reliability. And our investments in the distribution system and business systems will 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 \$405.8 million (13.2 percent) in 2021, an incremental \$98.5 million (3.3 percent) in 2022, and an incremental \$93.1 million (3.2 percent) in 2023, based on present revenues. The MYRP Plan reflects a first year revenue requirement calculated based on a traditional test year (2021), and revenue requirements for the proposed plans years (2022 and 2023) also reflecting a cost of service approach, as described in our Application. In addition, similar to our 2016-2019 MYRP, we also provide forecast and cost of service information for 2024 and 2025, 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, 2021, as set forth in our Notice and Petition for Interim Rates (Petition). Our request is for a 2021 interim revenue increase equal to \$308.9 million, or 10.6 percent, based on present revenues. We also request an incremental 2022 interim revenue increase equal to \$96.4 million, or an incremental 3.3 percent, based on present revenues. The interim revenue request for 2021 will be uniformly billed as a 14.82 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders) and for 2022 will be uniformly billed as an incremental 4.57 percent increase over 2021 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 2E, under which we provide service to our 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 subds. 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 2E	Testimony and Schedules, Completeness Matrix, Tariff Sheets
Volume 3	Required Information
Volume 4	MYRP Workpapers
Volume 5	Budget Summary, Documentation & Supplemental Budget Information
Volume 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-20-748. 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 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), all persons on the Company's electric general service list and the service list for Docket No. E002/GR-19-564 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,

A handwritten signature in black ink, appearing to read 'G. Chamberlain', with a stylized flourish at the end.

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**  
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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
  - a. 2021
  - b. 2022
6. Interim Tariff Sheets
  - a. 2021 Interim Tariff Sheets - Redline
  - b. 2021 Interim Tariff Sheets - Clean
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  - d. 2022 Interim Tariff Sheets - Clean

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**Volume 2A**

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

**TESTIMONY AND SUPPORTING SCHEDULES**  
**Volume 2B**

1. Nuclear Operations
2. Transmission
3. Energy Supply
4. Distribution
5. Business Systems

**TESTIMONY AND SUPPORTING SCHEDULES**  
**Volume 2C**

1. Customer Care / Bad Debt
2. Cost Allocations
3. Property Tax
4. Insurance
5. Employee Expenses

**TESTIMONY AND SUPPORTING SCHEDULES**  
**Volume 2D**

1. Pension and Benefits Expense
2. Pension Investments
3. Employee Compensation and Benefits
4. Depreciation
5. Class Cost of Service Study (CCOSS)
6. Rate Design / Decoupling

**PROPOSED TARIFF SHEETS**  
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2. 2021 Proposed Redline Tariff Sheets
3. 2022 Proposed Clean Tariff Sheets
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  - 2. Jurisdictional Financial Summary Schedules (Rule 7825.3900)
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    - Proposed Test Year 2021
    - Projected Fiscal Year 2020
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  - 3. Rate Base Schedules (Rule 7825.4000)
    - A. Rate Base Summary
    - 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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    - A. Rate of Return Summary Schedules
    - B. Long Term Debt
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**REQUIRED INFORMATION**  
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- B. 2021, 2022, and 2023 Operating Revenue Detailed Comparison
- C. Test Year 2021, 2022, and 2023 Class Cost of Service Study

7. Other Supplemental Information

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

8. Five Year Forecast

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Total Company - By Utility (By Business Area)

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NSPM Company Year-end O&M Expense Actual vs. Budget Variance Explanations

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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
Valerie Means	Commissioner
Matt Schuerger	Commissioner
Joseph K. Sullivan	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 NOS. E002/GR-20-723 &  
E002/M-20-748

**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, Docket No. E002/GR-15-826. The three year MYRP uses a 2021 test year and 2022 and 2023 plan years, based on the Company's full cost of service in each year. The Company has also provided its forecast and cost of service for 2024 and 2025, 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 continuing to provide safe, reliable and affordable energy service. By making investments in renewable resources and in our nuclear plants, we continue to deliver carbon-free generation, consistent with the expectations of our customers and policy makers. By continuing

our investment in our transmission and distribution systems, we will promote continued reliability. And our investments in the distribution system and business systems will 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 MYRP 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.**

Matt Harris  
Lead Assistant General Counsel  
Xcel Energy Services Inc.  
414 Nicollet Mall. 401 – 8<sup>th</sup> Floor  
Minneapolis, MN 55401  
(612) 330-7641

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 2, 2020. Pursuant to §216B.16, subd. 1, Xcel Energy requests a final increase in electric gross revenues of \$405.8 million (13.2 percent) effective January 1, 2021, sixty (60) days after filing, without suspension; an incremental increase of \$98.5 million (3.3 percent) effective January 1, 2022, without suspension; and an incremental increase of \$93.1 million (or 3.2 percent) effective January 1, 2023, based on 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, subds. 3 and 19, that an interim rate increase of \$308.9 million, or an approximately 10.6 percent overall bill increase, be effective on January 1, 2021, 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 14.82 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, subds. 3 and 19, that an incremental interim rate increase of \$96.4 million, or an approximate 3.3 percent incremental bill increase (so totaling approximately 13.9 percent over present revenues), be effective on January 1, 2022. The 2022 interim revenue request will also be uniformly billed as an incremental 4.57 percent increase above 2021 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 subds. 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, 2021. As part of its proposed three year MYRP, the Company also requests to increase rates effective January 1, 2022 and effective

January 1, 2023, 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 2021 test year of \$405.8 million, or an approximate increase of about 13.2 percent above the present test year gross revenues; an additional \$98.5 million or 3.3 percent, based on present revenues, effective January 1, 2022; and an additional \$93.1 million or 3.2 percent, based on present revenues, effective January 1, 2023. For the three years, the Company requests an increase of present revenues of \$597.4 million, or 19.7 percent. Our request is based on our proposed three-year MYRP, consisting of a 2021 test year and 2022 and 2023 plan years.

At the time the Company implements Final Rates, we also propose that three projects currently recovered in the Transmission Cost Recovery Rider ("TCR Rider") and nine projects currently recovered in the Renewable Energy Standard Rider ("RES Rider") be moved from rider recovery to base rate recovery. While not impacting customer bills or the Company's gross revenues, this "roll-in" of certain rider revenues, if approved, would increase base rates by \$150 million in 2021, while decreasing base rates by \$14 million and \$13 million in 2022 and 2023, respectively, compared to continued rider 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 2E, under which we provide service to our customers.<sup>1</sup>

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 2021 and 2022 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 would not apply. The Proposed Final Rates were calculated using the Company's 2021 proposed test year deficiency, the 2022 and 2023 plan year deficiencies, and our proposed final rate design.

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<sup>1</sup> See Volume 2D, Direct Testimonies of Michael A. Peppin and Steven V. Huso.

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 and Mr. Michael A. Peppin, in Volume 2D. Redlined and Non-Redlined versions of the tariffs accompany this Application in Volume 2E.

**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 2E, 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 Volume 5 Budget Summary, Documentation & Supplemental Budget Information and Volume 6 Budget 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 2019. The projected fiscal year is 2020. The proposed test year is the calendar year ending December 31, 2021 (Test Year), and the Application also addresses proposed rates for the years ending December 31, 2022 and 2023 (“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 at [www.xcelenergy.com/2021MNRates](http://www.xcelenergy.com/2021MNRates) (make sure “Minnesota” is selected in the top left corner).

**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 and Docket No. E002/GR-19-564. 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-20-748. 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:

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

Matt Harris  
Xcel Energy Services Inc.  
414 Nicollet Mall (401-8<sup>th</sup> Floor)  
Minneapolis, MN 55401  
[Matt.b.harris@xcelenergy.com](mailto:Matt.b.harris@xcelenergy.com)

Eric Swanson  
Winthrop & Weinstine, P.A.  
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[eswanson@winthrop.com](mailto:eswanson@winthrop.com)

Lynnette Sweet  
Regulatory Records  
Xcel Energy  
414 Nicollet Mall (401-7<sup>th</sup> Floor)  
Minneapolis, MN 55401  
[regulatory.records@xcelenergy.com](mailto:regulatory.records@xcelenergy.com)



**L. Conclusion**

The Company respectfully requests consideration and acceptance of its Application.

Dated: November 2nd, 2020

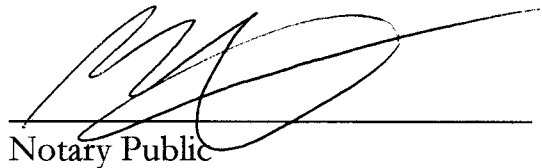
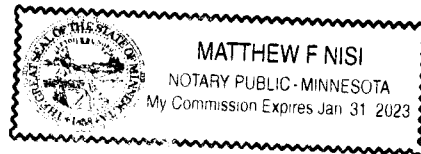
Respectfully submitted,



CHRISTOPHER B. CLARK

PRESIDENT, NORTHERN STATES POWER COMPANY MINNESOTA

Subscribed and sworn to before  
me this 29 day of October 2020

  
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-20-748.

The **PUBLIC** and **TRADE SECRET** versions of documents with the Highly Confidential information redacted are being submitted with the rate case application in Docket No. E002/GR-20-723.

The attached index provides justifications for the Highly Confidential information.

**NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX**

Item / Location	Justification
<b>Projected Costs, Vendor Proprietary Information, and/or Contractually Negotiated Details</b>	
<b>Randolph Schedule 6</b> Chemical Costs	Schedule 6 provides the quantity and prices historically paid for our main chemicals, and the amounts and prices used to calculate our 2021 to 2023 budgets, along with a summary of chemical costs by plant including usage amount, price, and total cost for 2017 to 2019 actuals, 2020 forecast, and 2021 to 2023 budgets. 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.
<b>Randolph Schedule 9</b> Outage Events with Energy Costs	Schedule 9 provides 1) plant outages for 2017 to 2019, and 2020 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 9 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.
<b>Reimer Schedule 7</b> 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 summary was prepared by Customer and Sourcing employees and their representatives in 2019, in conjunction with the Company's review of its Customer Relationship Management (CRM) system. This Schedule contains 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 this overall analysis derives

**NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX**

Item / Location	Justification
	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.
<b>Gardner Testimony, Various Schedules 7 and 8</b> Security Contractor Costs Outage Costs and Timeframes	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.
<b>Halama Schedule 15</b> Capacity Cost Study	Schedule 15 describes the Company's short-term and long-term capacity costs by contract. 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.
<b>Information Trend Analysis – IHS Markit Inflation Factors</b>	Xcel Energy has included information in this Volume which derives independent economic value from not being generally known to the public and which the Company has taken reasonable precautions to maintain as confidential and, therefore, trade secret pursuant to Minn. Stat. 13.37. Such information comprises proprietary annual economic inflation factors provided by IHS Markit and is subject to confidentiality provisions in the Company's agreements with IHS Markit pursuant to which the Company is restricted from providing this information publicly.
<b>HIGHLY CONFIDENTIAL INFO Submitted in Docket E002/M-20-748</b>  <b>Peppin Schedule 15</b> CRR Incremental Cost Analysis	Schedule 15 contains load growth projection information for the Becker data center, and this information has been deemed by Xcel Energy and the customer to be "Highly Confidential" due to its competitively sensitive nature. These load projections derive 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

**NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX**

Item / Location	Justification
	growth projections, therefore, constitute information that Xcel Energy and the customer consider to be trade secret, as defined by Minn. Stat. § 13.37, subd. 1(b). This information is also highly confidential information in that it is trade secret, non-public information that would aid a competitor of the customer. Xcel Energy and the customer have taken reasonable precautions to maintain its confidentiality and, given the highly confidential and sensitive nature of this information, only government agencies should have access to this information.
<b>Wholesale Customer Information</b>	
<b>Halama Schedule 14</b> Wholesale Customer Study	Schedule 14 provides a wholesale customer summary including all current agreements by customer, the expected revenues for the years 2021 to 2023, and the specific services each customer takes. The Company considers this information to be trade secret pursuant to Minn. Stat. §13.37(1)(b) as it is customer-specific and because these are competitive services. Therefore, the Company considers this information to be proprietary customer data, and to be 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 value from its disclosure or use.
<b>Company Information</b>	
<b>Marks Schedules 8 and 12</b> 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).
<b>Lowenthal Schedule 2</b> Compensation and Benefits Study	Schedule 2 is a compensation and benefits study prepared by an external consultant. The Company has designated as Trade Secret the information in its entirety as defined by Minn. Stat. § 13.37, subd. 1(b). The information contained in Schedule 2 is not the work product of Xcel Energy, and we

**NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX**

Item / Location	Justification
	<p>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 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><b>Lowenthal Schedule 4</b> Incentive Plan Details</p>	<p>Schedule 4 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.</p>
<p><b>Personal Information</b></p>	
<p><b>HIGHLY CONFIDENTIAL INFO</b> <b>Submitted in Docket No. E002/M-20-748</b></p> <p><b>Husen Schedule 10</b> Employee Compensation for Lobbying Employees</p>	<p>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. 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.</p>

**NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX**

Item / Location	Justification
<b>Cost Responsibilities for Rate Discounts</b>	
<b>Peppin Testimony</b> <b>Schedules 3 through 8</b> Cost Responsibilities for Rate Discounts  <b>Vol 3 II 6. 2021, 2022 and 2023 Class Cost of Service Studies</b>	Portions of the testimony and schedules contain non-public trade secret information pursuant to Minn. Stat. § 13.37. The relevant pages are marked as such in accordance with Minnesota Rule 7829.0500. The information includes sensitive financial information, including pricing data, that Xcel Energy maintains as confidential. 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.
Item / Location	Justification
<b>Insurance Related Information</b>	
<b>Miller Testimony, Various</b> <b>Schedules 2 through 12</b> Coverage Amounts and Terms Replacement Values	<p>Testimony and schedules 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</p>

**NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX**

Item / Location	Justification
	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 as Trade Secret.
<b>Work Product</b>	
Live Models and Workpapers Class Cost of Service Study (CD) Revenue Model (CD) E8760 Allocator Data (CD)	The CCOS and 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. Parts of the workpapers contain non-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.



STATE OF MINNESOTA  
BEFORE THE  
MINNESOTA PUBLIC UTILITIES COMMISSION

Katie J. Sieben	Chair
Valerie Means	Commissioner
Matt Schuerger	Commissioner
Joseph K. Sullivan	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-20-723 &  
DOCKET NO. E002/M-20-748

**SUMMARY OF FILING**

**SUMMARY OF FILING**

On November 2, 2020, 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 \$405.8 million, (13.2 percent) effective January 1, 2021 (60) days after filing, without suspension; an incremental \$98.5 million, (3.3 percent) effective January 1, 2022, without suspension, and an incremental \$93.1 million, (3.2 percent) effective January 1, 2023, based on present revenues. The total increase for the three year proposal is \$597.4 million (19.7 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 2E, under which we provide service to our customers. The Company filing also includes forecast and cost of service information for 2024 and 2025.

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 \$308.9 million, or an approximate 10.6 percent overall bill increase based on present

revenues, be effective on January 1, 2021, as discussed in the Company's Notice and Petition for Interim Rates (Petition), included in this Application. The Company also requests a 2022 interim gross revenue increase of an incremental \$96.4 million, or an incremental 3.3 percent increase. The interim revenue request for 2021 will be uniformly billed as a 14.82 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders) and for 2022 will be uniformly billed as an incremental 4.57 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 2021 Test Year and 2022 and 2023 Plan Years, would increase the bill for a typical residential electric customer by \$17.26 per month or \$207.12 per year. We expect final rates would not go into effect until sometime in 2022. The interim increase for that same amount of kWh, on average, would be approximately \$9.46 per month or \$113.52 per year in 2021. The interim increase for an average residential customer in 2022 would be approximately \$12.37 per month or \$148.44 per year in 2022. We expect interim rates to be in effect until final rates are ordered in 2022.

The proposed rate schedules and a comparison of present and proposed rates are available at [www.xcelenergy.com/2021MNRates](http://www.xcelenergy.com/2021MNRates) (make sure "Minnesota" is selected in the left corner). In light of the COVID-19 pandemic, we are not presently making these documents available for physical examination, but should circumstances change, they may 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 NOS. E002/GR-20-723 & E002/M-20-748 (HC)

MISCELLANEOUS ELECTRIC SERVICE LIST

DOCKET NO. E002/GR-15-826

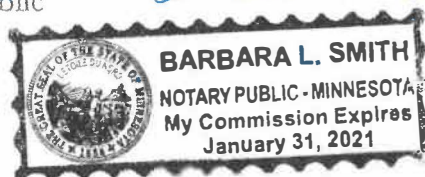
DOCKET NO. E002/GR-19-564

Dated this 2nd day of November 2020.

Cynthia Hellock Syvertsen

Subscribed and sworn to before me  
this 2nd day of November 2020.

Barbara L. Smith  
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_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@xcelenery.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
Elizabeth	Brama	ebrama@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 South 8th Street 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 1400  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
Riley	Conlin	riley.conlin@stoel.com	Steel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-826_Official
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St  Duluth, MN 558022191	Electronic Service	No	OFF_SL_15-826_Official
James	Denniston	james.r.denniston@xcelen ergy.com	Xcel Energy Services, Inc.	414 Nicollet Mall, 401-8  Minneapolis, MN 55401	Electronic Service	Yes	OFF_SL_15-826_Official
Rebecca	Eilers	rebecca.d.eilers@xcelen gy.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	2720 E. 22nd St Institute for Local Self- Reliance Minneapolis, MN 55406	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	lu23@ibew23.org	Local Union 23, I.B.E.W.	445 Etna Street Ste. 61 St. Paul, MN 55106	Electronic Service	No	OFF_SL_15-826_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave.  Marathon, FL 33050	Electronic Service	No	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
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
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
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W  Farmington, MN 55024	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	Electronic Service	No	OFF_SL_15-826_Official
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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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
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@legalelectric.org	Legalelectric - Overland Law Office	1110 West Avenue  Red Wing, MN 55066	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
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
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Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl E Ste 350  Saint 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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Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7  Minneapolis, MN 554011993	Electronic Service	Yes	OFF_SL_15-826_Official
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Lisa	Veith	lisa.veith@ci.stpaul.mn.us	City of St. Paul	400 City Hall and Courthouse 15 West Kellogg Blvd. St. Paul, MN 55102	Electronic Service	No	OFF_SL_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



First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine	225 South Sixth Street, Suite 3500  Minneapolis, MN 55402	Electronic Service	No	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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Elizabeth	Brama	ebrama@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 South 8th Street Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-564_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_19-564_Official
John	Coffman	john@johncoffman.net	AARP	871 Tuxedo Blvd.  St, Louis, MO 63119-2044	Electronic Service	No	OFF_SL_19-564_Official
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DCC	445 Minnesota Street Suite 1400  St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-564_Official

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Jim	Erickson	jim.g.erickson@xcelenergy. com	Xcel Energy	414 Nicollet mall 7th Flr Minneapolis, MN 55401	Electronic Service	No	OFF_SL_19-564_Official
John	Farrell	jfarrell@ilsr.org	Institute for Local Self- Reliance	2720 E. 22nd St Institute for Local Self- Reliance Minneapolis, MN 55406	Electronic Service	No	OFF_SL_19-564_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_19-564_Official
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Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350  Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-564_Official

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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_20-723_GR-20-723
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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_20-723_GR-20-723

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Samantha	Williams	swilliams@nrdc.org	Natural Resources Defense Council	20 N. Wacker Drive Ste 1600 Chicago, IL 60606	Electronic Service	No	OFF_SL_20-723_GR-20-723
Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine	225 South Sixth Street, Suite 3500  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_GR-20-723
Patrick	Zomer	Patrick.Zomer@lawmoss.com	Moss & Barnett a Professional Association	150 S. 5th Street, #1200  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_GR-20-723

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	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
John	Coffman	john@johncoffman.net	AARP	871 Tuxedo Blvd.  St. Louis, MO 63119-2044	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400  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
Brooke	Cooper	bcooper@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
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	2720 E. 22nd St Institute for Local Self-Reliance Minneapolis, MN 55406	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
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 Misl 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 Misl 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 Misl Electric
Michael	Hoppe	lu23@ibew23.org	Local Union 23, I.B.E.W.	445 Etna Street Ste. 61 St. Paul, MN 55106	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Misl Electric
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave.  Marathon, FL 33050	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Misl 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 Misl 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 Misl 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 Misl Electric
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 Misl 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 Misl Electric

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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 Misl Electric
Kavita	Maini	kmairi@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd  Oconomowoc, WI 53066	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Misl 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 Misl 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 Misl 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 Misl 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 Misl 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 Misl Electric
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 Misl 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 Misl 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 Misl Electric

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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 Misl 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 Misl Electric
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl E Ste 350 Saint Paul, MN 55101	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Misl 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 Misl 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 Misl Electric
James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	150 S 5th St Ste 700 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Misl 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 Misl Electric
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 Misl 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 Misl Electric

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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 Misl 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 Misl 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 Misl Electric

**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
Valerie Means	Commissioner
Matt Schuerger	Commissioner
Joseph K. Sullivan	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 NOS. E002/ GR-20-723  
& E002/M-20-748

On November 2, 2020, 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 \$405.8 million (13.2 percent) effective January 1, 2021, sixty (60) days after filing, without suspension; an incremental increase of \$98.5 million (3.3 percent) effective January 1, 2022, without suspension; and an incremental increase of \$93.1 million (or 3.2 percent) effective January 1, 2023, based on 2021 present revenues. The Company requests a three year multi-year rate plan (MYRP), modeled after its 2016-2019 MYRP, approved in its most recent rate case (E002/GR-15-826), 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 2E, 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 \$308.9 million, or an approximately 10.6 percent overall bill increase, be effective on January 1, 2021, 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 14.82 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 also requests, pursuant to Minn. Stat. § 216B.16, subds. 3 and 19, that an incremental interim rate increase of \$96.4 million, or an approximate 3.3 percent incremental bill increase (so totaling approximately 13.9 percent over present revenues), be effective on January 1, 2022. The 2022 interim revenue request will also be uniformly billed as an incremental 4.57 percent increase over 2021 on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders).

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 2021 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 2020 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.

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 2022. 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 2021 monthly increase	Proposed 2022 monthly increase (cumulative: 2021 + 2022)	Proposed 2023 monthly increase (cumulative: 2020 + 2021 + 2022)
Residential - Overhead line service	526	\$76.57	\$8.44	\$9.89	\$12.92	\$15.29
Residential - Underground line service	765	\$109.73	\$12.03	\$13.70	\$18.10	\$21.55
Energy-Controlled (Dual Fuel)	1,118	\$96.86	\$8.17	\$12.81	\$18.97	\$22.34
Small General Service	786	\$104.53	\$11.10	\$9.56	\$11.83	\$14.71
Small General Time-of-Day Service	1,025	\$122.73	\$12.46	\$10.97	\$13.61	\$16.54
General Service	14,412	\$1,576.12	\$156.09	\$197.54	\$239.54	\$286.62
General Time-of-Day Service	121,503	\$10,962.01	\$997.86	\$1,399.19	\$1,677.42	\$2,013.92
Peak-Controlled Service	65,818	\$8,541.61	\$888.31	\$1,106.78	\$1,355.09	\$1,655.08
Peak-Controlled Time-of-Day Service	568,758	\$59,549.61	\$5,754.82	\$7,778.89	\$9,436.55	\$11,429.57
Small Municipal Pumping	597	\$81.80	\$8.79	\$7.62	\$9.35	\$11.53
Municipal Pumping	8,113	\$1,010.76	\$104.84	\$124.24	\$148.38	\$179.78

### Monthly Customer Charges

Customer type	Current	Proposed
<b>Residential</b>		
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
<b>Small Commercial</b>		
Small General	\$10.00	\$11.50
Small General Time-of-Day	\$12.00	\$13.50
<b>Commercial and Industrial</b>		
General	\$25.64	\$25.98
General Time-of-Day	\$29.64	\$29.98
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 2021	Proposed 2022	Proposed 2023
<b>Residential</b>				
Energy: Summer (June-September)	10.301 ¢	12.823 ¢	13.371 ¢	13.802 ¢
Energy: Winter (Other months)	8.803 ¢	11.137 ¢	11.643 ¢	12.042 ¢
Energy: Winter - electric heating	5.988 ¢	7.988 ¢	8.481 ¢	8.746 ¢
<b>Small General</b>				
Energy: Summer	9.256 ¢	11.226 ¢	11.487 ¢	11.834 ¢
Energy: Winter	7.757 ¢	9.540 ¢	9.759 ¢	10.073 ¢
<b>Small General Time-of-Day</b>				
Energy: On-Peak Summer	14.880 ¢	17.767 ¢	18.187 ¢	18.880 ¢
Energy: On-Peak Winter	11.723 ¢	14.154 ¢	14.484 ¢	15.106 ¢
Energy: Off-Peak	4.170 ¢	5.496 ¢	5.618 ¢	5.662 ¢
<b>General</b>				
Energy	3.407 ¢	4.697 ¢	4.807 ¢	4.956 ¢
Demand: Summer	\$14.79	\$17.51	\$17.88	\$18.36
Demand: Winter	\$10.49	\$12.91	\$13.27	\$13.75
<b>General Time-of-Day</b>				
Energy: On-Peak	4.855 ¢	6.771 ¢	6.930 ¢	7.144 ¢
Energy: Off-Peak	2.341 ¢	3.194 ¢	3.269 ¢	3.370 ¢
Demand: Summer	\$14.79	\$17.51	\$17.88	\$18.36
Demand: Winter	\$10.49	\$12.91	\$13.27	\$13.75

**Note:** Proposed lighting rate changes vary according to the type of lighting. The proposed final increase is 16.9 percent for full service street lighting, 9.5 percent for energy-only street lighting service, and 15.0 percent for residential and commercial protective lighting.

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/2021MNRates](http://www.xcelenergy.com/2021MNRates) (make sure "Minnesota" is selected in top left corner). In light of the COVID-19 pandemic, we are not presently making these documents available for physical examination, but should circumstances change, they may 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.

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 7<sup>th</sup> Floor, Minneapolis, MN 55401.

### **Counties Served by Xcel Energy**

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

**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-20-723

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	Minnetonka	Orono	Ruthton	Stacy
Long Lake	Minnetonka 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-20-723

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
Taylors 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
Valerie Means	Commissioner
Matt Schuerger	Commissioner
Joseph K. Sullivan	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-20-723

**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 2021 and 2022 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 2021, 2022 and 2023. Our 2021 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 approximately 10.6 percent, beginning January 1, 2021.<sup>1</sup> Our 2021 interim rate proposal is based on the test year revenue deficiency, with specific interim rate adjustments, that

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<sup>1</sup> All 2021 rate calculations provided in this Petition are based off of the Company’s compliance rates in Docket No. E,G999/CI-17-895.

result in an interim revenue deficiency of approximately \$308.9 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 2022. Therefore, consistent with Minn. Stat. §216B.19 (the “MYRP Statute”), we also request an incremental interim rate increase of approximately \$96.4 million, beginning January 1, 2022.<sup>2</sup>

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 2021 test year and 2022 and 2023 plan years reflecting our forecasted cost of service in each year. Our request results in final net revenue increases of \$405.8 million (13.2 percent) in 2021, an incremental \$98.5 million (3.3 percent) in 2022 and an incremental \$93.1 million (3.2 percent) in 2023, all based on 2021 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,<sup>3</sup> 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 continuing to provide safe, reliable and affordable energy service. By making investments in renewable resources and in our nuclear plants, we continue to deliver carbon-free generation, consistent with the expectations of our customers and policy makers. By continuing our investment in our transmission and distribution systems, we will promote continued reliability. And our investments in the distribution system and business systems will

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<sup>2</sup>On September 16, 2020 the Company proposed extending existing true-ups and other items in Docket Nos. E999/CI-20-492 and E,G0002/M-20-743. Should the Commission grant the True-Up Petition prior to January 1, 2021, the Company will withdraw this Petition and the associated general rate case.

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

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 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 2024 and 2025, 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 2021.<sup>4</sup> We also include an additional adjustment for our 2022 request. We include a complete list and discussion of the adjustments made to the 2021 test year and 2022 plan year to develop the interim rates for these years in the “Interim Rate Supporting Schedules and Workpapers” tab, Schedule B, 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

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<sup>4</sup> 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.



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 2021 and 2022. 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 2021 interim rates would be compared against 2021 final rates and 2022 interim rates would be compared against 2022 final rates for the purposes of determining if refunds are due and, if so, in what amount.

## **A. 2021 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 Blazing Star I and II Wind Farms, Community Wind North, Crowned Ridge, Courtenay Wind Farm, Foxtail Wind Farm, Jeffers, Lake Benton Wind Farm and Mower, coincident with the implementation of Final Rates.<sup>5</sup> 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 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.

### **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

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<sup>5</sup> 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 2021 test year cost of service.

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.”<sup>6</sup> 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 Commission’s Order in Docket No. E-002/M-15-330 approved the power purchase agreement between Xcel Energy and Aurora Distributed Solar, LLC. This resource was disputed by the South Dakota Public Utilities Commission (SDPUC) in Docket EL16-037 and resulted in recovery limited to an energy proxy price (derived from the system average cost of fuel and purchased power), with no capacity component. 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 2021 - 2022. The interim rate revenue requirement is being

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<sup>6</sup> Minn. Stat. § 216B.16, subd. 3(b)(1).

adjusted to remove the rate base and cost components associated with this deferral expense amortization request.

## **5. Pension Extend Deferral**

The Company is requesting authorization to recover in the general rate petition a return on the deferred pension expense difference related to extending the amortization period for unrecognized pension costs for the NSPM Plan from 10 to 20 years, and a “cap and defer” recovery of XES pension costs as approved in Docket No. E002/GR-13-868. The interim rate revenue requirement is being adjusted to remove these items.

## **6. Pension Deferred Balance Amortization**

The Company is requesting authorization to recover in the general rate petition the annual amount of the three-year amortization of the Xcel Energy Services (“XES”) Plan cap cumulative deferred balance. The interim rate revenue requirement is being adjusted to remove the cost components associated with this amortization expense request.

## **7. Incentive Recovery Cap Reset**

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%.

## **8. 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 was 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.

## **9. Time-Based Incentive Removal**

The Company is requesting authorization to recover in the general rate petition the long-term portion of incentive compensation related to employee retention. The Company was 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 time-based portion of the long-term incentive.

## **10. 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.

## **11. 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.

## **12. Depreciation Study: Remaining Life**

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723, which updates the remaining lives, net salvage rates, and reserve allocations of several production facilities based on a new five-year dismantling study. The interim rate revenue requirement is being adjusted to remove the revenue and cost components associated with the impacts of this depreciation study.

## **13. Depreciation Study: TD&G**

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-20-635, which updates the depreciation rates of transmission, distribution, and generation facilities. The interim rate revenue requirement is being

adjusted to remove the revenue and cost components associated with the impacts of this depreciation study.

#### **14. FERC Audit**

The interim rate petition is being adjusted to remove a portion of capital software costs that had been allocated from XES to NSPM in accordance with the findings of a recent FERC audit of XES. The Company is proposing a rebuttal adjustment to final rates in the general rate petition for this matter. The interim rate revenue requirement is being adjusted to remove the rate base and cost components associated with the FERC Audit finding.

#### **15. 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.

#### **16. 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 2021, 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.

## **17. 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. 2022 Interim Rate Adjustments**

The Company has made the same Interim Rate Adjustments for 2022 as it made for 2021, 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

Matt Harris  
Xcel Energy Services Inc.  
414 Nicollet Mall (401-8<sup>th</sup> Floor)  
Minneapolis, MN 55401  
(612) 330-7641

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 2, 2020. 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 2, 2020. The Application is filed in accordance with the requirements of Minn. Stat. § 216B.16, subd. 3 and 19.

Pursuant to the Interim Rate Statute,<sup>7</sup> 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, 2021 interim rates be made effective on January 1, 2021, with 2022 interim rates effective January 1, 2022. 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 2021 and 2022 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.

Our interim revenues are determined using the 2021 test year and 2022 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 2021 interim revenue requirement:

- Renewable Energy Standard (RES) Rider Roll-In
- Transmission Cost Recovery ("TCR") Rider Roll In

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<sup>7</sup> Minn. Stat. § 216B.16, subd. 3.

- Return on Equity (“ROE”)
- Aurora Deferral Expense Amortization Removal
- Pension Extend Deferral
- Pension Deferred Balance Amortization
- Incentive Recovery Cap Reset
- Environmental Incentive Removal
- Time-Based Incentive Removal
- Prairie Island Tribal Payments
- XES Allocation Labor Hours
- Depreciation Study: Remaining Life
- Depreciation Study: TD&G
- FERC Audit
- 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 2022 interim revenue requirement.

For a full listing, quantification and discussion of the adjustments made to the 2021 test year and 2022 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 \$308.9 million and \$96.4 million, beginning January 1, 2021 and 2022, 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 2019, the most recent year for which audited data is available, is included with the Petition as Schedule D.

**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, 2021. The 2022 plan year for Xcel Energy's general electric rate increase filing is the calendar year ending December 31, 2022. Our interim rates revenue requests are determined using the 2021 test year and 2022 plan year revenue requirements.

Xcel Energy requests a 2021 interim rate adjustment that will increase Xcel Energy's base rate revenues by \$308.9 million, or 10.6 percent, above the test year gross revenues and an incremental 2022 interim rate adjustment that will increase Xcel Energy's base rate revenues by an additional \$96.4 million or an incremental 3.3 percent above the test year gross revenues (both 2021 and 2022 numbers calculated pursuant to this Commission Policy Statement). To collect these deficiencies, an interim rate adjustment will be uniformly billed as a 14.82 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2021 and another incremental 4.57 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2022. 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 2021 and 2022 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 14, 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 2019.

**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 tabs 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 2E of the Application, that the proposed interim rates for the 2021 test year be made effective on January 1, 2021 and for the 2022 plan year be made effective on January 1, 2022, with both subject to refund, pending final Commission action on the Company's general electric rate increase Application.

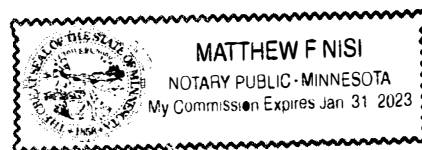
Dated: November 2, 2020

Respectfully submitted,



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

Subscribed and sworn to before  
me this 29 day of October, 2020

  
Notary Public

## **Xcel Energy Minnesota Electric Prices**

### **Interim Change in Electric Rates Starting January 1, 2021**

Until Final Decision is Made

#### **Xcel Energy's Rate Increase Request**

Xcel Energy has asked the Minnesota Public Utilities Commission (MPUC) for an increase in electric rates to be phased in over a three-year period. The requested increase for 2021 is about 13.2% or \$405.8 million. Xcel Energy requested an additional 3.3% or \$98.5 million for 2022, and an additional 3.2 percent or \$93.1million for 2023. The total increase requested for the three-year period is 19.7% or \$597.4 million.

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 2021 is 10.6% or \$308.9 million over total current rates. This appears on customer bills as an Interim Rate Adjustment and is calculated as a percentage of base rates. This includes the Basic Service Charge, Energy Charge, and, if it applies, the Demand Charge. The Interim Rate Adjustment does not apply to charges for fuel and cost recovery riders. The Interim Rate Adjustment is billed as a 14.82% increase, or \$9.46 per month, for a typical residential customer using 600 kWh.

Because Xcel Energy is requesting a multi-year rate plan, the company is requesting a second, 4.57% or \$96.4 million interim rate increase above 2021 levels starting January 1, 2022. 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 2022. If final rates are lower than interim rates, Xcel Energy will refund the difference with interest. 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 when it received approval for its current multiyear rate plan. Under that plan, Xcel Energy's base electric rates increased in 2016, 2017 and 2019. Xcel Energy continues to invest in maintaining and upgrading its system without corresponding increases in sales. A multi-year rate plan provides Xcel Energy and its customers more predictable and stable rate increases for a longer period of time than a single 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 it applies, the Demand Charge. These charges cover the cost of providing electric service and represent about 70% of your total bill. This rate increase request does not affect the Fuel Cost Charge.

Customer type	Average 2021 monthly kWh usage	Current monthly cost	Interim monthly increase	Proposed 2021 monthly increase	Proposed 2022 monthly increase (Cumulative 2021+2022)	Proposed 2023 monthly increase (Cumulative 2021+2022+2023)
Residential - Overhead line service	526	\$76.57	\$8.44	\$9.89	\$12.92	\$15.29
Residential - Underground line service	765	\$109.73	\$12.03	\$13.70	\$18.10	\$21.55
Energy-Controlled (Dual Fuel)	1,118	\$96.86	\$8.17	\$12.81	\$18.97	\$22.34
Small General Service	786	\$104.53	\$11.10	\$9.56	\$11.83	\$14.71
Small General Time-of-Day Service	1,025	\$122.73	\$12.46	\$10.97	\$13.61	\$16.54
General Service	14,412	\$1,576.12	\$156.09	\$197.54	\$239.54	\$286.62
General Time-of-Day Service	121,503	\$10,962.01	\$997.86	\$1,399.19	\$1,677.42	\$2,013.92
Peak-Controlled Service	65,818	\$8,541.61	\$888.31	\$1,106.78	\$1,355.09	\$1,655.08
Peak-Controlled Time-of-Day Service	568,758	\$59,549.61	\$5,754.82	\$7,778.89	\$9,436.55	\$11,429.57
Small Municipal Pumping	597	\$81.80	\$8.79	\$7.62	\$9.35	\$11.53
Municipal Pumping	8,113	\$1,010.76	\$104.84	\$124.24	\$148.38	\$179.78

**Proposed Changes for Monthly Electricity Base Rates**

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

**Monthly Customer Charges**

Customer type	Current	Proposed
<b>Residential</b>		
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
<b>Small Commercial</b>		
Small General	\$10.00	\$11.50
Small General Time-of-Day	\$12.00	\$13.50
<b>Commercial and Industrial</b>		
General	\$25.64	\$25.98
General Time-of-Day	\$29.64	\$29.98
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 2021	Proposed 2022	Proposed 2023
<b>Residential</b>				
Energy: Summer (June-September)	10.301 ¢	12.823 ¢	13.371 ¢	13.802 ¢
Energy: Winter (Other months)	8.803 ¢	11.137 ¢	11.643 ¢	12.042 ¢
Energy: Winter - electric heating	5.988 ¢	7.988 ¢	8.481 ¢	8.746 ¢
<b>Small General</b>				
Energy: Summer	9.256 ¢	11.226 ¢	11.487 ¢	11.834 ¢
Energy: Winter	7.757 ¢	9.540 ¢	9.759 ¢	10.073 ¢
<b>Small General Time-of-Day</b>				
Energy: On-Peak Summer	14.880 ¢	17.767 ¢	18.187 ¢	18.880 ¢
Energy: On-Peak Winter	11.723 ¢	14.154 ¢	14.484 ¢	15.106 ¢
Energy: Off-Peak	4.170 ¢	5.496 ¢	5.618 ¢	5.662 ¢
<b>General</b>				
Energy	3.407 ¢	4.697 ¢	4.807 ¢	4.956 ¢
Demand: Summer	\$14.79	\$17.51	\$17.88	\$18.36
Demand: Winter	\$10.49	\$12.91	\$13.27	\$13.75
<b>General Time-of-Day</b>				
Energy: On-Peak	4.855 ¢	6.771 ¢	6.930 ¢	7.144 ¢
Energy: Off-Peak	2.341 ¢	3.194 ¢	3.269 ¢	3.370 ¢
Demand: Summer	\$14.79	\$17.51	\$17.88	\$18.36
Demand: Winter	\$10.49	\$12.91	\$13.27	\$13.75

**Note:** Proposed lighting rate changes vary according to the type of lighting. The proposed final increase is 16.9 percent for full service street lighting, 9.5 percent for energy-only street lighting service, and 15.0 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 Rate Increase 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 review and investigate our request.

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 public hearings. You may add verbal comments, written comments, or both into the record. Notice of public hearing dates and locations will be published in local newspapers and included in monthly bills.

**To Learn More**

[www.xcelenergy.com/2021MNRates](http://www.xcelenergy.com/2021MNRates) ( select "Minnesota" in top left corner ),

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

Xcel Energy

Web: [www.xcelenergy.com/2021MNRates](http://www.xcelenergy.com/2021MNRates) (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 20 in the year field, enter 723 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.

**To Submit Comments to the Minnesota Public Utilities Commission**

For assistance in submitting comments or if you have questions, please contact the MPUC's Consumer Affairs Office

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

Email: [consumer.puc@state.mn.us](mailto:consumer.puc@state.mn.us)

Online: [mn.gov/puc](http://mn.gov/puc), Select the "Comments" icon on the top menu to go to the Public **Comment page where you** will find a list of ways to comment.

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

Be sure to reference docket number 20-723

**Important**

Electric Interim Rate Folder Draft



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Public comments may be read by anyone who reviews the case record. 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](http://xcelenergy.com)

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STATE OF MINNESOTA  
BEFORE THE  
MINNESOTA PUBLIC UTILITIES COMMISSION

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-20-723  
& E002/M-20-748 (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 2, 2020

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 2, 2020



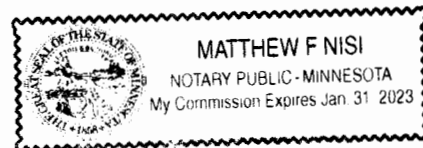
CHRISTOPHER B. CLARK

PRESIDENT, NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION

Subscribed and sworn to before  
me this 29 day of October, 2020



Notary Public



## **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 2019 test year of the 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.

### 2019 Test Year from Docket No. E,G999/CI-17-895

This information represents the 2019 only 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.

### Most Recent Actual Year

This information represents actual financial information for the calendar year ended December 31, 2019. 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-20-723  
Schedule A  
Part 1 of 3  
Page 1 of 1**

<b>Line No.</b>	<b>Description</b>	<b>2021 Interim Rate Petition Present Rates</b>
1	Average Rate Base	\$8,205,352
2	Operating Income	\$305,286
3	Allowance for funds used during construction	\$28,468
4	Total Available for Return	\$333,755
5	Overall Rate of Return (Line 4 / Line 1)	4.07%
6	Required Rate of Return	6.75%
7	Required Operating Income (Line 1 x Line 6)	\$553,861
8	Income Deficiency (Line 7 - Line 4)	\$220,107
9	Gross Revenue Conversion Factor	1.40335
10	Revenue Deficiency (Line 8 x Line 9)	\$308,887
11	Retail Related Revenues Under Present Rates	\$2,914,353
12	Percentage Increase Needed in Overall Revenue (Line 10 / Line 11)	10.60%

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

**Docket No. E002/GR-20-723  
Schedule A  
Part 2 of 3  
Page 1 of 1**

<b>Line No.</b>	<b>Description</b>	<b>2021 Interim Rate Petition Present Rates</b>
<b><u>Operating Revenues</u></b>		
1	Retail	\$2,913,897
2	Interdepartmental	456
3	Other Operating	543,661
4	<b>Total Operating Revenues</b>	<b>\$3,458,014</b>
<b><u>Expenses</u></b>		
Operating Expenses:		
5	Fuel and Purchased Energy	\$919,984
6	Power Production	613,203
7	Transmission	256,862
8	Distribution	124,929
9	Customer Accounting	58,738
10	Customer Service & Information	128,469
11	Sales, Econ Dvlp & Other	282
12	Administrative & General	216,270
13	<b>Total Operating Expenses</b>	<b>\$2,318,737</b>
14	Depreciation	\$651,676
15	Amortizations	\$47,290
Taxes:		
16	Property	\$173,928
17	Deferred Income Tax & ITC	(196,085)
18	Federal & State Income Tax	129,387
19	Payroll & Other	27,796
20	<b>Total Taxes</b>	<b>\$135,025</b>
21	<b>Total Expenses</b>	<b>\$3,152,728</b>
22	<b>Operating Income</b>	<b>305,286</b>
23	Allowance for Funds Used During Construction	\$28,468
24	<b>Total Operating Income</b>	<b>\$333,755</b>

Note: Revenues reflect calender 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-20-723**  
**Schedule A**  
**Part 3 of 3**  
**Page 1 of 1**

<b>Line</b>		<b>2021 Interim</b>
<b>No.</b>	<b>Description</b>	<b>Rate Petition</b>
		<b>Present Rates</b>
	Electric Plant as Booked	
1	Production	\$10,664,242
2	Transmission	2,539,393
3	Distribution	4,087,440
4	General	976,294
5	Common	844,744
6	TOTAL Utility Plant in Service	<u>\$19,112,114</u>
	Reserve for Depreciation	
7	Production	\$6,638,817
8	Transmission	665,357
9	Distribution	1,495,839
10	General	509,442
11	Common	388,340
12	TOTAL Reserve for Depreciation	<u>\$9,697,795</u>
	Net Utility Plant in Service	
13	Production	\$4,025,425
14	Transmission	1,874,036
15	Distribution	2,591,601
16	General	466,852
17	Common	456,404
18	Net Utility Plant in Service	<u>\$9,414,319</u>
19	Utility Plant Held for Future Use	\$0
20	Construction Work in Progress	\$391,873
21	Less: Accumulated Deferred Income Taxes	\$1,878,688
22	Cash Working Capital	(\$144,132)
	Other Rate Base Items:	
23	Materials and Supplies	\$152,207
24	Fuel Inventory	84,026
25	Non-Plant Assets & Liabilities	73,977
26	Prepayments and Other Working Capital	<u>111,770</u>
27	Total Other Rate Base Items	\$421,980
28	Total Average Rate Base	<u><u>8,205,352</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-20-723**  
**Schedule B**  
**Part 1 of 3**  
**Page 1 of 5**

<b>Line</b>		<b>2021 General</b>	<b>2021 Interim</b>	
<b>No.</b>	<b>Description</b>	<b>Rate Case</b>	<b>Rate Petition</b>	<b>Change</b>
		<b>Filing</b>	<b>Present Rates</b>	
		<b>(A)</b>	<b>(B)</b>	<b>(C) = (B) - (A)</b>
	Electric Plant as Booked			
1	Production	\$12,031,701	\$10,664,242	(\$1,367,459)
2	Transmission	3,445,539	2,539,393	(906,146)
3	Distribution	4,087,440	4,087,440	-
4	General	976,773	976,294	(478)
5	Common	849,540	844,744	(4,796)
6	TOTAL Utility Plant in Service	\$21,390,993	\$19,112,114	(\$2,278,879)
	Reserve for Depreciation			
7	Production	\$6,728,023	\$6,638,817	(\$89,206)
8	Transmission	775,371	665,357	(110,014)
9	Distribution	1,496,030	1,495,839	(191)
10	General	509,524	509,442	(82)
11	Common	391,689	388,340	(3,350)
12	TOTAL Reserve for Depreciation	\$9,900,637	\$9,697,795	(\$202,842)
	Net Utility Plant in Service			
13	Production	\$5,303,678	\$4,025,425	(\$1,278,253)
14	Transmission	2,670,168	1,874,036	(796,131)
15	Distribution	2,591,410	2,591,601	191
16	General	467,249	466,852	(397)
17	Common	457,850	456,404	(1,446)
18	Net Utility Plant in Service	\$11,490,356	\$9,414,319	(\$2,076,037)
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$394,160	\$391,873	(\$2,287)
21	Less: Accumulated Deferred Income Taxes	\$2,245,198	\$1,878,688	(\$366,510)
22	Cash Working Capital	(\$143,326)	(\$144,132)	(\$806)
	Other Rate Base Items:			
23	Materials and Supplies	\$152,207	\$152,207	\$0
24	Fuel Inventory	84,026	84,026	-
25	Non-Plant Assets & Liabilities	104,503	73,977	(30,526)
26	Prepayments and Other Working Capital	113,849	111,770	(2,079)
27	Total Other Rate Base Items	\$454,585	\$421,980	(\$32,605)
28	Total Average Rate Base	\$9,950,576	\$8,205,352	(\$1,745,224)

**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 5 of 5.

Renewable Energy Standard (RES) Rider Roll-In Removal

The Company is proposing to include in the general rate petition the rate base components associated with certain generation facilities and transmission 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 of 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 of in TCR projects to eliminate any potential double recovery.

Aurora Deferral Expense Amortization Removal.

The Commission's Order in Docket No. E-002/M-15-330 approved a power purchase agreement between Xcel Energy and Aurora Distributed Solar, LLC. This resource was disputed by the South Dakota Public Utilities Commission (SDPUC) in Docket EL16-037 and resulted in recovery limited to an energy proxy price (derived from the system average cost of fuel and purchased power), with no capacity component. 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 2021 - 2022. The interim rate revenue requirement is being adjusted

to remove the rate base components associated with this deferral expense amortization request.

Pension Extend Deferral.

The Company is requesting authorization to recover in the general rate petition a return on the deferred pension expense difference related to extending the amortization period for unrecognized pension costs for the NSPM Plan from 10 to 20 years, and a “cap and defer” recovery of Xcel Energy Services (“XES”) pension costs as approved in Docket No. E002/GR-13-868. The interim rate revenue requirement is being adjusted to remove the rate base components associated with this request.

FERC Audit.

The interim rate petition is being adjusted to remove a portion of capital software costs that had been allocated from XES to NSPM in accordance with the findings of a recent FERC audit of XES. The Company is proposing a rebuttal adjustment to final rates in the general rate petition for this matter, and the rate base components associated with this adjustment are removed from the interim rate revenue requirement.

Depreciation Study: Remaining Life.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723, which updates the remaining lives, net salvage rates, and reserve allocations of several production facilities based on a new five-year dismantling study. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the impacts of this depreciation study.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-20-635, which updates the depreciation rates of certain transmission, distribution, and generation facilities. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the impacts of this depreciation study.

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

The Company was completing validation on the ADIT pro-rate calculation and identified that the pro-rate factor used in the final revenue requirement inadvertently included a double averaging of the pro-rate factor. 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, and as such, an adjustment was included in the general rate petition. This interim rate base adjustment reflects the correct pro-rate factor and 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 2021, 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.

		Interim Adjustments							Secondary Calculations				
Line No.	Description	2021 General Rate Case Filing (1)	RES Roll-In Removal	TCR Roll-In Removal	Aurora Removal	Pension Extend Deferral	FERC Audit	Depr Study: Remaining Life	Depr Study: TD&G	ADIT Pro-Rate Adj	NOL Adj	Cash Working Capital	2021 Interim Rate Petition Present Rates (1)
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Utility Plant in Service	\$21,390,993	(\$1,407,752)	(\$866,330)			(\$4,797)						\$19,112,114
2	Less: Reserve for Depreciation	9,900,637	(\$88,946)	(\$108,474)			(\$2,712)	(\$1,881)	(\$829)				9,697,795
3	Net Utility Plant in Service	\$11,490,356	(\$1,318,807)	(\$757,856)	\$0	\$0	(\$2,085)	\$1,881	\$829	\$0	\$0	\$0	\$9,414,319
4	Utility Plant Held for Future Use	\$0											\$0
5	Construction Work in Progress	\$394,160	(\$664)	(\$1,175)			(\$449)						\$391,873
6	Less: Accumulated Deferred Income Taxes	\$2,245,198	(\$180,897)	(\$184,732)		(\$8,580)	(\$465)	\$529	\$233	\$18,579	(11,176)		\$1,878,688
7	Cash Working Capital	(\$143,326)										(\$806)	(\$144,132)
Other Rate Base Items													
8	Materials and Supplies	\$152,207											\$152,207
9	Fuel Inventory	84,026											\$84,026
10	Non-Plant Assets & Liabilities	104,503				(\$30,526)							\$73,977
11	Prepayments and Other Working Capital	113,849			(\$2,079)								\$111,770
12	Total Other Rate Base Items	\$454,585	\$0	\$0	(\$2,079)	(\$30,526)	\$0	\$0	\$0	\$0	\$0	\$0	\$421,980
13	Total Average Rate Base	\$9,950,576	(\$1,138,573)	(\$574,298)	(\$2,079)	(\$21,945)	(\$2,068)	\$1,352	\$596	(\$18,579)	\$11,176	(\$806)	\$8,205,352

(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-20-723  
**Schedule B**  
**Part 2 of 3**  
**Page 1 of 7**

Line No.	Description	2021 General Rate Case Filing (A)	2021 Interim Rate Petition Present Rates (B)	Change (C) = (B) - (A)
<b><u>Operating Revenues</u></b>				
1	Retail	\$3,064,187	\$2,913,897	(\$150,290)
2	Interdepartmental	456	456	0
3	Other Operating	545,625	543,661	(1,964)
4	<b>Total Operating Revenues</b>	<b>\$3,610,268</b>	<b>\$3,458,014</b>	<b>(\$152,254)</b>
<b><u>Expenses</u></b>				
Operating Expenses:				
5	Fuel and Purchased Power	\$919,984	\$919,984	\$0
6	Power Production	635,863	613,203	(22,659)
7	Transmission	256,862	256,862	0
8	Distribution	127,374	124,929	(2,445)
9	Customer Accounting	58,738	58,738	0
10	Customer Service & Information	128,469	128,469	0
11	Sales, Econ Dvlp & Other	282	282	0
12	Administrative & General	225,387	216,270	(9,118)
13	<b>Total Operating Expenses</b>	<b>\$2,352,958</b>	<b>\$2,318,737</b>	<b>(\$34,222)</b>
14	Depreciation	\$737,364	\$651,676	(\$85,688)
15	Amortization	\$55,040	\$47,290	(\$7,751)
Taxes:				
16	Property	\$191,930	\$173,928	(\$18,002)
17	Deferred Income Tax & ITC	(84,474)	(196,085)	(111,610)
18	Federal & State Income Tax	(84,104)	129,387	213,491
19	Payroll & Other	27,815	27,796	(20)
20	<b>Total Taxes</b>	<b>\$51,167</b>	<b>\$135,025</b>	<b>\$83,859</b>
21	<b>Total Expenses</b>	<b>\$3,196,529</b>	<b>\$3,152,728</b>	<b>(\$43,801)</b>
22	<b>Operating Income</b>	<b>413,739</b>	<b>305,286</b>	<b>(\$108,453)</b>
23	AFUDC	\$28,498	\$28,468	(\$29)
24	<b>Total Operating Income</b>	<b>\$442,237</b>	<b>\$333,755</b>	<b>(\$108,482)</b>

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, Page 7 of 7, contains a bridge schedule itemizing the changes from General Rate Petition operating income statement to the Interim Rate Petition operating income statement. Seventeen 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 components associated with certain generation facilities and transmission 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 the revenue and cost components associated with the roll in of 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 the revenue and cost components associated with the roll in of TCR projects to eliminate any potential double recovery.

Aurora Deferral Expense Amortization Removal.

The Commission's Order in Docket No. E-002/M-15-330 approved the power purchase agreement between Xcel Energy and Aurora Distributed Solar, LLC. This resource was disputed by the South Dakota Public Utilities Commission (SDPUC) in Docket EL16-037 and resulted in recovery limited to an energy proxy price (derived from the system average cost of fuel and purchased power), with no capacity component. 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 2021 - 2022. The interim rate revenue requirement is being adjusted to remove the cost components associated with this deferral expense amortization request.

Pension Extend Deferral.

The Company is requesting authorization to recover in the general rate petition a return on the deferred pension expense difference related to extending the amortization period for unrecognized pension costs for the NSPM Plan from 10 to 20 years, and a “cap and defer” recovery of XES pension costs as approved in Docket No. E002/GR-13-868. The interim rate revenue requirement is being adjusted to remove the cost components associated with this request.

Pension Deferred Amortization.

The Company is requesting authorization to recover in the general rate petition the annual amount of the three-year amortization of the Xcel Energy Services (“XES”) Plan cap cumulative deferred balance. The interim rate revenue requirement is being adjusted to remove the cost components associated with this amortization expense request.

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% amounts.

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 was 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.

Time-Based Incentive Removal.

The Company is requesting authorization to recover in the general rate petition the long-term portion of incentive compensation related to employee retention. The Company was 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 time-based 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 employees factor was adjusted to use allocated labor hours with overtime in lieu of employee count. This interim rate revenue requirement adjustment replaces the cost allocation based on employee count with the calculation of costs assigned using labor hours.

Depreciation Study: Remaining Life.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723, which updates the remaining lives, net salvage rates, and reserve allocations of several production facilities based on a new five-year dismantling study. The interim rate revenue requirement is being adjusted to remove the revenue and cost components associated with the impacts of this depreciation study.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-20-635, which updates the depreciation rates of transmission, distribution, and generation facilities. The interim rate revenue

requirement is being adjusted to remove the revenue and cost components associated with the impacts of this depreciation study.

#### FERC Audit.

The interim rate petition is being adjusted to remove a portion of capital software costs that had been allocated from XES to NSPM in accordance with the findings of a recent FERC audit of XES. The Company is proposing a rebuttal adjustment to final rates in the general rate petition for this matter, and the revenue requirement associated with this adjustment are removed from the interim rate revenue requirement.

#### 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 NSPM 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.

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

The Company was completing validation on the ADIT pro-rate calculation and identified that the pro-rate factor used in the final revenue requirement inadvertently included a double averaging of the pro-rate factor. 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, and as such, an adjustment was included in the general rate petition. This interim adjustment reflects the correct pro-rate factor and 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 2021, 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.

		Interim Adjustments													Secondary Calculations			2021 Interim Rate Petition Present Rates (1)	Remove FCA Revenue and Fuel Expense (20)	2021 Interim Total Net of Fuel (21)
Line No.	Description	2021 General Rate Case Filing (1)	RES Roll-In Removal (2)	TCR Roll-In Removal (3)	Aurora Removal (4)	Pension Extend Deferral (5)	Pension Deferred Amortization (6)	Incentive 20% to 15% (7)	Incentive Environmental (8)	Incentive Time-Based (9)	PI Tribal Settlement (10)	XES Allocation Labor Hours (11)	Depr Study: Remaining Life (12)	Depr Study: TD&G (13)	FERC Audit (14)	Change in Cost of Capital (15)	ADIT Pro-Rate Adj (16)			
1	Operating Revenues																			
2	Retail	\$3,064,187	(\$64,742)	(\$85,548)																
3	Interdepartmental	456																		
3	Other Operating	545,625		(1,375)									(\$595)	7						
4	Total Operating Revenues	\$3,610,268	(\$64,742)	(\$86,923)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$595)	\$7	\$0	\$0	\$0	\$0	\$0	\$3,458,014
Expenses																				
Operating Expenses:																				
5	Fuel and Purchased Power	\$919,984																		
6	Power Production	636,863	(\$22,334)									(\$325)								
7	Transmission	256,862																		
8	Distribution	127,374		(2,445)																
9	Customer Accounting	58,738																		
10	Customer Service & Information	128,469																		
11	Sales, Econ Dvlp & Other	282																		
12	Administrative & General	225,387																		
13	Total Operating Expenses	\$2,352,958	(\$22,334)	(\$2,445)	\$0	\$0	\$0	(\$1,143)	(\$2,133)	(\$1,334)	(\$325)	(\$4,507)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,318,737
14	Depreciation	\$737,364	(\$60,469)	(\$19,346)																
15	Amortizations	\$55,040			(\$2,101)		(\$5,649)						(\$3,762)	(\$1,658)	(\$453)					\$651,676
Taxes:																				
16	Property	\$191,930	(\$4,963)	(\$13,040)																
17	Deferred Income Tax & ITC	(84,474)	(83,921)	(3,387)	0	(144)														
18	Federal & State Income Tax	(84,104)	190,500	(8,237)	616	\$273		\$1,624	\$329	\$613	\$384	\$93	\$1,301	(\$179)	\$21		\$106	25,922	\$5	\$129,387
19	Payroll & Other	27,815																		
20	Total Taxes	\$51,167	\$101,616	(\$24,664)	\$616	\$129		\$1,624	\$329	\$613	\$384	\$93	\$1,281	\$879	\$464	\$163	\$0	\$106	\$222	\$5
21	Total Expenses	\$3,196,529	\$18,812	(\$46,455)	(\$1,485)	\$129	(\$4,026)	(\$815)	(\$1,520)	(\$951)	(\$232)	(\$3,226)	(\$2,884)	(\$1,193)	(\$290)	\$0	\$106	\$222	\$5	\$3,152,728
22	Operating Income	\$413,739	(\$83,554)	(\$40,469)	\$1,485	(\$129)	\$4,026	\$815	\$1,520	\$951	\$232	\$3,226	\$2,288	\$1,200	\$290	\$0	(\$106)	(\$222)	(\$5)	\$305,286
23	Allowance for Funds Used During Construction	\$28,498														(\$29)				\$28,468
24	Total Operating Income	\$442,237	(\$83,554)	(\$40,469)	\$1,485	(\$129)	\$4,026	\$815	\$1,520	\$951	\$232	\$3,226	\$2,288	\$1,200	\$261	\$0	(\$106)	(\$222)	(\$5)	\$333,755
Revenue Requirement																				
25	Total Rate Base	\$9,950,576	(\$1,138,573)	(\$574,298)	(\$2,079)	(\$21,945)	\$0	\$0	\$0	\$0	\$0	\$0	\$1,352	\$596	(\$2,068)	\$0	(\$18,579)	\$11,176	(\$806)	\$8,205,352
26	Require Operating Inc (RB * Req Return)	\$731,367	(\$83,685)	(\$42,211)	(\$513)	(\$1,513)	\$0	\$0	\$0	\$0	\$0	\$0	\$99	\$44	(\$152)	(\$49,232)	(\$1,366)	\$821	(\$59)	\$553,861
27	Operating Income	\$442,237	(\$83,554)	(\$40,469)	\$1,485	(\$129)	\$4,026	\$815	\$1,520	\$951	\$232	\$3,226	\$2,288	\$1,200	\$261	\$0	(\$106)	(\$222)	(\$5)	\$333,755
28	Operating Income Deficiency	\$289,131	(\$131)	(\$1,742)	(\$1,484)	(\$1,484)	(\$4,026)	(\$815)	(\$1,520)	(\$951)	(\$232)	(\$3,226)	(\$2,199)	(\$1,156)	(\$413)	(\$49,232)	(\$1,259)	\$1,043	(\$55)	\$220,107
29	Revenue Deficiency	\$405,752	(\$183)	(\$2,445)	(\$2,295)	(\$2,093)	(\$5,649)	(\$1,143)	(\$2,133)	(\$1,334)	(\$325)	(\$4,527)	(\$3,072)	(\$1,622)	(\$579)	(\$69,090)	(\$1,767)	\$1,464	(\$77)	\$309,887

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-20-723**  
**Schedule B**  
**Part 3 of 3**  
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<b>Line No.</b>	<b>Description</b>	<b>2021 General Rate Case Filing (A)</b>	<b>2021 Interim Rate Petition Present Rates (B)</b>	<b>Change (C) = (B) - (A)</b>
1	Average Rate Base	\$9,950,576	\$8,205,352	(\$1,745,224)
2	Required Rate of Return	7.35%	6.75%	-0.60%
3	Operating Income Requirement (Line 1 x Line 2)	\$731,367	\$553,861	(\$177,506)
4	Operating Income Under Present Rates	\$442,237	\$333,755	(\$108,482)
5	Operating Income Deficiency (Line 3 - Line 4)	\$289,131	\$220,107	(\$69,024)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	\$405,752	\$308,887	(\$96,865)



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

**Docket No. E002/GR-20-723**  
**Schedule C**  
**Part 1 of 4**  
**Page 1 of 3**

Line No.	Description	Present Rates General Rate Case Approved E,G999/CI-17-895 (1)	2021 Interim Rate Petition Present Rates	Change
		(A)	(B)	(C) = (B) - (A)
	Electric Plant as Booked			
1	Production	\$10,060,608	\$10,664,242	\$603,634
2	Transmission	2,397,725	2,539,393	141,669
3	Distribution	3,658,370	4,087,440	429,070
4	General	888,530	976,294	87,764
5	Common	781,187	844,744	63,558
6	TOTAL Utility Plant in Service	<u>\$17,786,420</u>	<u>\$19,112,114</u>	<u>1,325,694</u>
	Reserve for Depreciation			
7	Production	\$6,015,790	\$6,638,817	\$623,027
8	Transmission	619,062	665,357	46,295
9	Distribution	1,391,483	1,495,839	104,356
10	General	451,746	509,442	57,696
11	Common	412,713	388,340	(24,374)
12	TOTAL Reserve for Depreciation	<u>\$8,890,795</u>	<u>\$9,697,795</u>	<u>\$807,000</u>
	Net Utility Plant in Service			
13	Production	\$4,044,818	\$4,025,425	(\$19,393)
14	Transmission	1,778,663	1,874,036	95,374
15	Distribution	2,266,887	2,591,601	324,714
16	General	436,784	466,852	30,068
17	Common	368,473	456,404	87,931
18	Net Utility Plant in Service	<u>\$8,895,625</u>	<u>\$9,414,319</u>	<u>\$518,694</u>
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$380,350	\$391,873	\$11,522
21	Less: Accumulated Deferred Income Taxes	\$2,151,719	\$1,878,688	(\$273,031)
22	Cash Working Capital	(\$111,130)	(\$144,132)	(\$33,001)
	Other Rate Base Items:			
23	Materials and Supplies	\$135,797	\$152,207	\$16,409
24	Fuel Inventory	\$73,476	84,026	10,550
25	Non-Plant Assets & Liabilities	\$27,456	73,977	46,521
26	Prepayments and Other Working Capital	<u>\$151,609</u>	<u>111,770</u>	<u>(39,839)</u>
27	Total Other Rate Base Items	<u>\$388,338</u>	<u>\$421,980</u>	<u>\$33,641</u>
28	Total Average Rate Base	<u><u>\$7,401,465</u></u>	<u><u>\$8,205,352</u></u>	<u><u>\$803,887</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 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 NSPM for 2021 interim rates has increased \$804 million, an increase of 10.9 percent over the final rate base level approved in Docket No. E,G999/CI-17-895.

Net Utility Plant in Service has increased \$519 million. The primary driver of this growth has been the additional Company investments in Distribution functional assets. Changes in this functional class accounts for 63% of the Net Plant increase.

Net Production Plant has decreased by \$19 million, a decrease of 0.5 percent since the last approved rate case, Net Transmission Plant increased \$95 million (5.4 percent) while the Net Distribution Plant increased by \$325 million (14.3 percent). Net General Plant increased approximately \$30 million with the approximate \$88 million increase in Net Common Plant accounts for the remainder of the overall Net Plant increase.

Construction Work in Progress has increased approximately \$12 million as timing of ongoing construction activity exceeded the project completions and in-servicing activities between the two periods.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, decreased approximately \$273 million.

Since the last General Rate Order, Cash Working Capital requirements, a rate based deduction, have increased by \$33 million, causing a decrease to the average Rate Base. The Company's 2021 average expense lead days increased to 56.69 from 55.71 in the 2019 test year, meaning that the Company's cash outlay for paying expenses has been extended by an average of 0.98 days, while for the same periods the average revenue lag days decreased to 38.00 from 41.69. This translates to revenues being collected on average 3.69 days sooner in the interim cost of service. The net effect of the lead/lag changes is that the Company is holding onto customers' cash longer in the test year and therefore 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 approximately \$34 million. This increase was driven by an overall increase in Materials and Supplies of \$16 million, Fuel Inventory of approximately \$11 million, and Non-Plant Assets and Liabilities of \$47 million. Offsetting these increases was a decrease in Prepayments and Other Working Capital of \$40 million.

In summary, the net effect of the increase in Net Plant in Service, \$519 million, the increase in CWIP of approximately \$12 million, the decreased Accumulated Deferred Income Taxes (an increase to rate base) of approximately \$273 million, the increase in Cash Working Capital of \$33 million, and the \$34 million increase in Other Rate Base Items accounts for the \$804 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-20-723**  
**Schedule C**  
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		Present Rates From Most Recent General Rate Case Approved E,G999/CI-17-895 (1)	2021 Interim Rate Petition Present Rates	Change (C) = (B) - (A)
Line No.	Description	(A)	(B)	
<u>Operating Revenues</u>				
1	Retail	\$3,188,988	\$2,913,897	(\$275,091)
2	Interdepartmental	672	456	(216)
3	Other Operating	687,000	543,661	(143,339)
4	<b>Total Operating Revenues</b>	<b>\$3,876,660</b>	<b>\$3,458,014</b>	<b>(\$418,646)</b>
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,125,206	\$919,984	(\$205,222)
6	Power Production	684,262	613,203	(71,059)
7	Transmission	250,967	256,862	5,895
8	Distribution	111,186	124,929	13,744
9	Customer Accounting	50,555	58,738	8,183
10	Customer Service & Information (2)	95,067	128,469	33,402
11	Sales, Econ Dvlp & Other	69	282	213
12	Administrative & General	224,433	216,270	(8,163)
13	<b>Total Operating Expenses</b>	<b>\$2,541,744</b>	<b>\$2,318,737</b>	<b>(\$223,007)</b>
14	Depreciation	\$568,522	\$651,676	\$83,154
15	Amortizations	\$24,140	\$47,290	\$23,150
Taxes:				
16	Property	\$198,796	\$173,928	(\$24,868)
17	Deferred Income Tax & ITC	(2,106)	(196,085)	(193,979)
18	Federal & State Income Tax	19,539	129,387	109,848
19	Payroll & Other	29,896	27,796	(2,100)
20	<b>Total Taxes</b>	<b>\$246,124</b>	<b>\$135,025</b>	<b>(\$111,099)</b>
21	<b>Total Expenses</b>	<b>\$3,380,530</b>	<b>\$3,152,728</b>	<b>(\$227,802)</b>
22	<b>Operating Income</b>	<b>\$496,130</b>	<b>\$305,286</b>	<b>(\$190,844)</b>
23	AFUDC	\$27,894	\$28,468	\$575
24	<b>Total Operating Income</b>	<b>\$524,024</b>	<b>\$333,755</b>	<b>(\$190,269)</b>

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.

(2) Includes CIP/DSM Program Costs

**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 total operating income of \$190 million.

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

Total Operating Revenues decreased approximately \$419 million, which is the combination of decreased Retail Electric Revenues of \$275 million and decreased Other Revenues of approximately \$143 million. The Retail Revenue decrease is primarily associated with lower retail sales and lower fuel costs resulting in lower 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 Revenues decreased by \$143 million. This decrease was primarily driven by a decrease in projected billings to Northern States Power Company (Wisconsin) under the provisions of the Interchange Agreement.

Fuel and Purchased Energy costs have decreased by \$205 million compared to the last General Rate Order. Reductions in both steam related fuel costs and purchased power contributed to the decrease. Power Production operation costs have decreased by \$71 million associated with decreases in both nuclear and steam operations.

Other Operating Expenses increased by approximately \$53 million. The changes that occurred in the various cost functions are: Transmission expense increased approximately \$6 million; Distribution expense increased \$14 million; Customer Accounting increased \$8 million; Customer Services and Information increased \$33 million and is due primarily to increased CIP program costs; and finally, Administrative and General expense decreased approximately \$8 million.

Depreciation expense increased approximately \$83 million, driven by higher annual depreciation specifically in Nuclear and Distribution.

Amortization costs in the Interim Rate Petition increased \$23 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 \$25 million across all the functional classes.

Deferred Income Taxes have decreased by approximately \$194 million driven by the deferral of Federal Tax Credits. Current Federal & State Income Taxes increased \$110 million due to net higher taxable income in the Interim period relative to the 2019 level.

Payroll and other taxes decreased approximately \$2 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 2021 INTERIM RATES TO PRESENT RATES**  
**SUMMARY OF REVENUE REQUIREMENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
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<b>Line No.</b>	<b>Description</b>	<b>Present Rates From Most Recent General Rate Case Approved E,G999/CI-17-895 (1)</b>	<b>2021 Interim Rate Petition Present Rates</b>	<b>Change</b>
		<b>(A)</b>	<b>(B)</b>	<b>(C) = (B) - (A)</b>
1	Average Rate Base	\$7,401,465	\$8,205,352	\$803,887
2	Required Rate of Return	7.08%	6.75%	-0.33%
3	Operating Income Requirement (Line 1 x Line 2)	\$524,024	\$553,861	\$29,838
4	Operating Income Under Present Rates	\$524,024	\$333,755	(\$190,269)
5	Operating Income Deficiency (Line 3 - Line 4)	\$0	\$220,107	\$220,107
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	\$0	\$308,887	\$308,887

(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)

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Line No.	Capitalization:	Amount (A)	Percent of Total Capitalization (B)	Cost of Capital (C)	Weighted Cost of Capital (D)
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**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	\$6,130,539	46.72%	4.24%	1.98%
9	Short-Term Debt	\$101,814	0.78%	0.81%	0.01%
10	Long-Term and Short-Term Debt	\$6,232,353	47.50%		1.99%
11	Preferred Stock	\$0	0.00%	0.00%	0.00%
12	Net Common Equity	\$6,888,650	52.50%	9.06% *	4.76%
13	Total Equity	\$6,888,650	52.50%		4.76%
14	Total Capitalization	\$13,121,003	100.00%		6.75%

**III. Amount of Changes Between I and II**

	Amount		Change
	Fiscal Year Most Recent General Rate Case Approved (A)	Proposed 2021 Interim Rate (B)	(C) = (B) - (A)
Long-Term Debt	\$4,716,554	\$6,130,539	\$1,413,985
Short-Term Debt	\$173,470	\$101,814	(\$71,656)
Long-Term and Short-Term Debt	\$4,890,024	\$6,232,353	\$1,342,329
Preferred Stock	\$0	\$0	\$0
Net Common Equity	\$5,404,844	\$6,888,650	\$1,483,806
Total Equity	\$5,404,844	\$6,888,650	\$1,483,806
Total Capitalization	\$10,294,868	\$13,121,003	\$2,826,135

\* 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 to 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 approximately \$1.41 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 \$72 million, compared to the last electric General Rate Order.

The overall reduction in the weighted cost of debt (1.99 percent compared to 2.25 percent) 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 \$1.48 billion primarily based on the increases in Retained Earnings.

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

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2019 ACTUAL**  
**DETAILED RATE BASE COMPONENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
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<b>Line</b>		<b>Actual</b>	<b>2021 Interim</b>	
<b>No.</b>	<b>Description</b>	<b>2019</b>	<b>Rate Petition</b>	<b>Change</b>
		<b>Adjusted (1)</b>	<b>Present Rate</b>	<b>(C) = (B) - (A)</b>
		<b>(A)</b>	<b>(B)</b>	
	Electric as Booked			
1	Production	\$10,046,342	\$10,664,242	\$617,900
2	Transmission	2,321,169	2,539,393	218,224
3	Distribution	3,679,746	4,087,440	407,694
4	General	873,787	976,294	102,507
5	Common	656,386	844,744	188,358
6	TOTAL Utility Plant in Service	\$17,577,431	\$19,112,114	\$1,534,683
	Reserve for Depreciation			
7	Production	\$5,890,702	\$6,638,817	\$748,115
8	Transmission	594,913	665,357	70,444
9	Distribution	1,372,516	1,495,839	123,324
10	General	397,805	509,442	111,637
11	Common	264,223	388,340	124,116
12	TOTAL Reserve for Depreciation	\$8,520,159	\$9,697,795	\$1,177,636
	Net Utility Plant in Service			
13	Production	\$4,155,640	\$4,025,425	(\$130,215)
14	Transmission	1,726,257	1,874,036	147,780
15	Distribution	2,307,231	2,591,601	284,370
16	General	475,982	466,852	(9,130)
17	Common	392,163	456,404	64,242
18	Net Utility Plant in Service	\$9,057,272	\$9,414,319	\$357,047
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$418,366	\$391,873	(\$26,493)
21	Less: Accumulated Deferred Income Taxes	\$2,128,598	\$1,878,688	(\$249,910)
22	Cash Working Capital	(\$134,937)	(\$144,132)	(\$9,194)
	Other Rate Base Items:			
23	Materials and Supplies	\$151,990	\$152,207	\$217
24	Fuel Inventory	73,793	84,026	10,233
25	Non-Plant Assets & Liabilities	85,594	73,977	(11,617)
26	Prepayments and Other Working Capital	110,129	111,770	1,641
27	Total Other Rate Base Items	\$421,506	\$421,980	\$474
28	Total Average Rate Base	7,633,608	\$8,205,352	\$571,744

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

**COMPARISON OF PROPOSED 2021 INTERIM RATES TO 2019  
ACTUAL  
DETAILED RATE BASE COMPONENTS  
DESCRIPTION OF CHANGES**

Total Average Rate Base used to determine the interim rate revenue requirement increased by \$572 million from 2019, the most recent actual fiscal year. The net increase is driven by increased Net Plant in Service which increased by \$357 million, decreased Construction Work in Progress (“CWIP”) of \$26 million, decreased Accumulated Deferred Income Taxes, (which increases Rate Base) of approximately \$250 million, an increase to Cash Working Capital (which decreases rate base) of \$9 million and an increase in Other Rate Base Items of less than \$1 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 \$130 million, and increases in Net Transmission Plant of approximately \$148 million (current investments in these functional classes generally are included in various rider mechanisms). Net Distribution Plant increased approximately \$284 million. Net General and Common functional classes have a combined increase totaling \$55 million.

Construction Work in Progress decreased approximately \$26 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 \$250 million.

Cash Working Capital, a negative rate base component, increased by \$9 million compared to the most recent actual fiscal year, decreasing Average Rate Base. This means that the Company is holding onto customers’ cash longer in the test year and therefore the rate base offset for Cash Working Capital is higher.

Other Rate Base Items resulted in a collective increase in average rate base of less than \$1 million. This increase was driven by Materials and Supplies, Fuel Inventory, and Prepayments and Other Working Capital collectively increasing \$12 million. Mostly offsetting those increases was a decrease in Non-Plant Assets and Liabilities of \$12 million between the two periods.

In summary, the net effect of the increase in Net Plant in Service of \$357 million, the decrease in CWIP of \$26 million, the decrease in Accumulated Deferred Income Taxes (an increase to rate base), of approximately \$250 million, the increase in Cash Working Capital of \$9 million, and less than a \$1 million increase from Other Rate Base Items accounts for the \$572 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 2019 ACTUAL**  
**STATEMENT OF OPERATING INCOME**  
(\$000's)

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Line No.	Description	Actual 2019 Adjusted (1) (A)	2021 Interim Rate Petition Present Rate (B)	Change (C) = (B) - (A)
<b><u>Operating Revenues</u></b>				
1	Retail	\$3,001,959	\$2,913,897	(\$88,062)
2	Interdepartmental	588	456	(132)
3	Other Operating	669,328	543,661	(125,667)
4	<b>Total Operating Revenues</b>	<b>\$3,671,875</b>	<b>\$3,458,014</b>	<b>(\$213,861)</b>
<b><u>Expenses</u></b>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,004,883	\$919,984	(\$84,899)
6	Power Production	577,901	613,203	35,302
7	Transmission	248,874	256,862	7,988
8	Distribution	107,080	124,929	17,849
9	Customer Accounting	50,254	58,738	8,484
10	Customer Service & Information	139,648	128,469	(11,180)
11	Sales, Econ Dvlp & Other	82	282	200
12	Administrative & General	198,444	216,270	17,826
13	<b>Total Operating Expenses</b>	<b>\$2,327,166</b>	<b>\$2,318,737</b>	<b>(\$8,429)</b>
14	Depreciation	\$575,652	\$651,676	\$76,024
15	Amortizations	\$8,920	\$47,290	\$38,370
Taxes:				
16	Property	\$172,755	\$173,928	\$1,173
17	Deferred Income Tax & ITC	(59,719)	(196,085)	(136,366)
18	Federal & State Income Tax	96,894	129,387	32,493
19	Payroll & Other	27,219	27,796	577
20	<b>Total Taxes</b>	<b>\$237,149</b>	<b>\$135,025</b>	<b>(\$102,124)</b>
21	<b>Total Expenses</b>	<b>\$3,148,887</b>	<b>\$3,152,728</b>	<b>\$3,841</b>
22	<b>Operating Income</b>	<b>\$522,988</b>	<b>\$305,286</b>	<b>(\$217,702)</b>
23	AFUDC	\$26,899	\$28,468	\$1,569
24	<b>Total Operating Income</b>	<b>\$549,887</b>	<b>\$333,755</b>	<b>(\$216,133)</b>

Note: Revenues reflect calendar month sales.

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

**COMPARISON OF PROPOSED 2021 INTERIM RATES  
TO 2019 ACTUAL  
STATEMENT OF OPERATING INCOME  
DESCRIPTION OF CHANGES**

Comparing the operating income used to determine interim rates to actual operating income from 2019, the most recent fiscal year, shows a decrease of \$216 million.

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

Total Retail Electric Revenues decreased \$214 million, with Retail Revenues accounting for \$88 million of the decrease. Other Operating Revenue decreased the remaining \$126 million between the two years primarily due to trading revenue. Trading revenue is offset by fuel revenue and fuel and purchased energy expense such that these items combined are earnings neutral.

Compared to the 2019 fiscal year, the cost of Fuel and Purchased Energy decreased by \$85 million. The cost of Power Production increased by \$35 million.

Excluding the cost of Fuel, Purchased Energy and Power Production, other operating expenses have a net increase of approximately \$41 million in total. Transmission expenses increased by \$8 million. Distribution expenses increased by \$18 million. Customer Accounting expenses increased by \$8 million, while Customer Service & Information expenses decreased by \$11 million. Sales, Economic Development & Other expenses remained relatively flat between the two periods and Administrative & General expenses had an increase of \$18 million.

Depreciation expense is projected to increase by \$76 million driven by increased plant in service.

Amortizations increased approximately \$38 million between the two periods. This increase is mainly driven by accruals for Decoupling and Sales True Up.

Property Taxes increased slightly by \$1 million, while Payroll & Other Taxes remained relatively flat between the two periods.

Current Federal and State Income Taxes increased by approximately \$32 million. Deferred Income Taxes decreased approximately \$136 million mainly because of book to tax timing differences.

Allowance for Funds Used During Construction increased by approximately \$2 million.

The changes described above in aggregate account for the \$216 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 2019 ACTUAL**  
**SUMMARY OF REVENUE REQUIREMENTS**  
**(\$000's)**

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<b>Line No.</b>	<b>Description</b>	<b>Actual 2019 Adjusted (1) (A)</b>	<b>2021 Interim Rate Petition Present Rate (B)</b>	<b>Change (C) = (B) - (A)</b>
1	Average Rate Base	\$7,633,608	\$8,205,352	\$571,744
2	Required Rate of Return	6.86%	6.75%	-0.11%
3	Operating Income Requirement (Line 1 x Line 2)	\$523,666	\$553,861	\$30,196
4	Operating Income Under Present Rates	\$549,887	\$333,755	(\$216,133)
5	Operating Income Deficiency (Line 3 - Line 4)	(\$26,222)	\$220,107	\$246,329
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$36,799)	\$308,887	\$345,686

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



**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF 2019 ACTUAL TO LAST APPROVED PRESENT RATES**  
**DETAILED RATE BASE COMPONENTS**  
**(\$000's)**

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<b>Line</b>		<b>Actual</b>	<b>General Rate</b>	
<b>No.</b>	<b>Description</b>	<b>2019</b>	<b>Case Approved</b>	<b>Change</b>
		<b>Adjusted (1)</b>	<b>E,G999/CI-17-895 (2)</b>	<b>(C) = (A) - (B)</b>
		<b>(A)</b>	<b>(B)</b>	
	Electric Plant as Booked			
1	Production	\$10,046,342	\$10,060,608	(\$14,266)
2	Transmission	2,321,169	2,397,725	(76,555)
3	Distribution	3,679,746	3,658,370	21,376
4	General	873,787	888,530	(14,744)
5	Common	656,386	781,187	(124,801)
6	TOTAL Utility Plant in Service	\$17,577,431	\$17,786,420	(\$208,989)
	Reserve for Depreciation			
7	Production	\$5,890,702	\$6,015,790	(\$125,088)
8	Transmission	594,913	619,062	(24,149)
9	Distribution	1,372,516	1,391,483	(18,967)
10	General	397,805	451,746	(53,941)
11	Common	264,223	412,713	(148,490)
12	TOTAL Reserve for Depreciation	\$8,520,159	\$8,890,795	(\$370,635)
	Net Utility Plant in Service			
13	Production	\$4,155,640	\$4,044,818	\$110,822
14	Transmission	1,726,257	1,778,663	(52,406)
15	Distribution	2,307,231	2,266,887	40,344
16	General	475,982	436,784	39,197
17	Common	392,163	368,473	23,689
18	Net Utility Plant in Service	\$9,057,272	\$8,895,625	\$161,647
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$418,366	\$380,350	\$38,016
21	Less: Accumulated Deferred Income Taxes	\$2,128,598	\$2,151,719	(\$23,121)
22	Cash Working Capital	(\$134,937)	(\$111,130)	(\$23,807)
	Other Rate Base Items:			
23	Materials and Supplies	\$151,990	\$135,797	\$16,192
24	Fuel Inventory	73,793	73,476	317
25	Non-Plant Assets & Liabilities	85,594	27,456	58,137
26	Prepayments and other Working Capital	110,129	151,609	(41,480)
27	Total Other Rate Base Items	\$421,506	\$388,338	\$33,167
28	Total Average Rate Base	\$7,633,608	\$7,401,465	\$232,143

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

(2) 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 2019 ACTUALS TO THE MOST RECENT  
COMMISSION APPROVED RATE CASE  
2019 TEST YEAR  
DETAILED RATE BASE COMPONENTS  
DESCRIPTION OF CHANGES**

The total average rate base from the most recent fiscal year ended 2019 was higher by approximately \$232 million when compared to the 2019 Test Year (the 2019 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 2019 Net Utility Plant in Service shows actuals were higher by approximately \$162 million, Construction Work in Progress higher by approximately \$38 million, while Accumulated Deferred Income Taxes, which reduces Rate Base, deviated by \$23 million. The Cash Working Capital component of rate base, which represents a reduction to rate base, exceeded the balance approved in the 2019 Test Year by approximately \$24 million. Lastly, Other Rate Base Items also exceeded the level in the Test Year by a net \$33 million. The following deviation descriptions are based upon the comparative data provided in Schedule E, Part 1, page 1.

The \$162 million difference in Net Utility Plant in Service is attributed to increases in the Net Production, Net Distribution, Net General, and Net Common functional groups totaling approximately \$214 million. Meanwhile, Net Transmission Plant decreased by approximately \$52 million.

Construction Work in Progress varied from the approved level by approximately \$38 million.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, was \$23 million lower 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 \$24 million higher 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 \$33 million. Higher actual balances for Material and Supplies, Fuel Inventory and Non-Plant Assets & Liabilities were partially offset by lower than anticipated levels in Prepayments and Other Working Capital.

The net effect of the higher Net Plant in Service of approximate \$162 million, the approximate \$38 million increase in CWIP, the \$23 million reduction in Accumulated Deferred Income Taxes, the higher Cash Working Capital rate base deduction of approximately \$24 million and the higher Other Rate Base Items of \$33 million accounts for the net \$232 million increase in Total Average Rate Base between the two periods.

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF 2019 ACTUAL TO LAST APPROVED PRESENT RATES**  
**STATEMENT OF OPERATING INCOME**  
**(\$000's)**

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<b>Line No.</b>	<b>Description</b>	<b>Actual 2019 Adjusted (1)</b>	<b>General Rate Case Approved E,G999/CI-17-895 (2)</b>	<b>Change (C) = (A) - (B)</b>
		<b>(A)</b>	<b>(B)</b>	
<b><u>Operating Revenues</u></b>				
1	Retail	\$3,001,959	\$3,188,988	(\$187,029)
2	Interdepartmental	588	672	(84)
3	Other Operating	669,328	687,000	(17,672)
4	<b>Total Operating Revenues</b>	<b>\$3,671,875</b>	<b>\$3,876,660</b>	<b>(\$204,785)</b>
<b><u>Expenses</u></b>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,004,883	\$1,125,206	(\$120,323)
6	Power Production	577,901	684,262	(106,361)
7	Transmission	248,874	250,967	(2,093)
8	Distribution	107,080	111,186	(4,106)
9	Customer Accounting	50,254	50,555	(301)
10	Customer Service & Information (3)	139,648	95,067	44,582
11	Sales, Econ Dvlp & Other	82	69	13
12	Administrative & General	198,444	224,433	(25,989)
13	<b>Total Operating Expenses</b>	<b>\$2,327,166</b>	<b>\$2,541,744</b>	<b>(\$214,578)</b>
14	Depreciation	\$575,652	\$568,522	\$7,130
15	Amortizations	\$8,920	\$24,140	(\$15,220)
Taxes:				
16	Property	\$172,755	\$198,796	(\$26,041)
17	Deferred Income Tax & ITC	(59,719)	(2,106)	(57,613)
18	Federal & State Income Tax	96,894	19,539	77,356
19	Payroll & Other	27,219	29,896	(2,677)
20	<b>Total Taxes</b>	<b>\$237,149</b>	<b>\$246,124</b>	<b>(\$8,975)</b>
21	<b>Total Expenses</b>	<b>\$3,148,887</b>	<b>\$3,380,530</b>	<b>(\$231,643)</b>
22	<b>Operating Income</b>	<b>\$522,988</b>	<b>\$496,130</b>	<b>\$26,858</b>
23	AFUDC	\$26,899	\$27,894	(\$994)
24	<b>Total Operating Income</b>	<b>\$549,887</b>	<b>\$524,024</b>	<b>\$25,864</b>

Note: Revenues reflect calender month sales, and 2019 data is not weather normalized.

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

(2) 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.

(3) Includes CIP/DSM Program Costs.

**COMPARISON OF THE 2019 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 2019 to the most recent test year (the 2019 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 an increase of \$26 million.

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

Actual 2019 Total Operating Revenues decreased by approximately \$205 million when compared to the level approved in the 2019 test year. Retail Electric Revenues decreased by approximately \$187 million. Other Operating Revenue decreased by \$18 million.

Actual 2019 Fuel and Purchased Energy costs decreased by \$120 million compared to the 2019 test year approved in the last General Rate Order. The changes in the other various cost functions are: Power Production expenses decreased by \$106 million, Transmission expenses decreased by approximately \$2 million and Distribution expenses decreased by approximately \$4 million. The Customer Accounting, Sales and Economic Development, and Administrative and General expenses had a combined decrease of approximately \$26 million. These decreases are offset by a \$45 million increase in the Customer Services and Information cost function which is primarily due to CIP activity. CIP expense increases have a corresponding increase in CIP revenues and are earnings neutral.

Depreciation expense increased by approximately \$7 million and Amortizations decreased by approximately \$15 million related to the various regulatory adjustments classified as amortizations in 2019 Actuals.

Property Taxes decreased \$26 million between the two periods. Payroll and other taxes were down roughly \$3 million between the two periods.

The combination of Deferred Income Taxes and Current Income Taxes increased approximately \$20 million.

Actual Allowance for Funds Used During Construction decreased approximately \$1 million compared to the 2019 test year.

The changes described above help to account for the \$26 million increase in utility operating income between the two periods.

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF 2019 ACTUAL TO LAST APPROVED PRESENT RATES**  
**SUMMARY OF REVENUE REQUIREMENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
**Schedule E**  
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<b>Line No.</b>	<b>Description</b>	<b>Actual 2019 Adjusted (1) (B)</b>	<b>General Rate Case Approved E,G999/CI-17-895 (2) (A)</b>	<b>Change (C) = (A) - (B)</b>
1	Average Rate Base	\$7,633,608	\$7,401,465	\$232,143
2	Required Rate of Return	6.86%	7.08%	0.22%
3	Operating Income Requirement (Line 1 x Line 2)	\$523,666	\$524,024	(\$358)
4	Operating Income Under Present Rates	\$549,887	\$524,024	\$25,864
5	Operating Income Deficiency (Line 3 - Line 4)	(\$26,222)	\$0	(\$26,222)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$36,799)	\$0	(\$36,799)

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

(2) 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.

## **2022 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 of the 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, 2022 and includes the effect of rate making adjustments.

### General Rate Case Filing

The general rate case filing information represents the budgets developed for the 2022 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.

### 2019 Test Year from Docket No. E,G999/CI-17-895

This information represents the 2019 only 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

### Most Recent Actual Year

This information represents actual financial information for the calendar year ended December 31, 2019. 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  
2022 INTERIM RATE SCHEDULE  
SUMMARY OF REVENUE REQUIREMENTS  
(\$000's)**

**Docket No. E002/GR-20-723  
Schedule A  
Part 1 of 3  
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<b>Line No.</b>	<b><u>Description</u></b>	<b><u>2022 Interim Rate Petition Present Rates</u></b>
1	Average Rate Base	\$8,696,988
2	Operating Income	\$273,233
3	Allowance for funds used during construction	\$25,032
4	Total Available for Return	\$298,265
5	Overall Rate of Return (Line 4 / Line 1)	3.43%
6	Required Rate of Return	6.75%
7	Required Operating Income (Line 1 x Line 6)	\$587,047
8	Income Deficiency (Line 7 - Line 4)	\$288,782
9	Gross Revenue Conversion Factor	1.40335
10	Revenue Deficiency (Line 8 x Line 9)	\$405,263
11	Retail Related Revenues Under Present Rates	\$2,917,082
12	Percentage Increase Needed in Overall Revenue (Line 10 / Line 11)	13.89%

**Northern States Power Company  
Electric Utility - State of Minnesota  
2022 INTERIM RATE SCHEDULE  
STATEMENT OF OPERATING INCOME  
(\$000's)**

**Docket No. E002/GR-20-723  
Schedule A  
Part 2 of 3  
Page 1 of 1**

<b>Line No.</b>	<b>Description</b>	<b>2022 Interim Rate Petition Present Rates</b>
<b><u>Operating Revenues</u></b>		
1	Retail	\$2,916,626
2	Interdepartmental	456
3	Other Operating	561,248
4	<b>Total Operating Revenues</b>	<b>\$3,478,330</b>
<b><u>Expenses</u></b>		
Operating Expenses:		
5	Fuel and Purchased Energy	\$919,838
6	Power Production	615,264
7	Transmission	268,540
8	Distribution	130,422
9	Customer Accounting	52,401
10	Customer Service & Information	128,545
11	Sales, Econ Dvlp & Other	284
12	Administrative & General	225,906
13	<b>Total Operating Expenses</b>	<b>\$2,341,199</b>
14	Depreciation	\$692,508
15	Amortizations	\$43,826
Taxes:		
16	Property	\$183,385
17	Deferred Income Tax & ITC	(196,060)
18	Federal & State Income Tax	112,192
19	Payroll & Other	28,047
20	<b>Total Taxes</b>	<b>\$127,564</b>
21	<b>Total Expenses</b>	<b>\$3,205,097</b>
22	<b>Operating Income</b>	<b>273,233</b>
23	Allowance for Funds Used During Construction	\$25,032
24	<b>Total Operating Income</b>	<b>\$298,265</b>

Note: Revenues reflect calender month sales.

**Northern States Power Company  
Electric Utility - State of Minnesota  
2022 INTERIM RATE SCHEDULE  
DETAILED RATE BASE COMPONENTS  
(\$000's)**

**Docket No. E002/GR-20-723  
Schedule A  
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<b>Line No.</b>	<b>Description</b>	<b>2022 Interim Rate Petition Present Rates</b>
	Electric Plant as Booked	
1	Production	\$10,870,843
2	Transmission	2,687,426
3	Distribution	4,371,330
4	General	1,052,144
5	Common	985,381
6	TOTAL Utility Plant in Service	<u>19,967,124</u>
	Reserve for Depreciation	
7	Production	\$6,966,948
8	Transmission	705,630
9	Distribution	1,569,135
10	General	572,688
11	Common	463,727
12	TOTAL Reserve for Depreciation	<u>10,278,128</u>
	Net Utility Plant in Service	
13	Production	\$3,903,894
14	Transmission	1,981,796
15	Distribution	2,802,195
16	General	479,457
17	Common	521,654
18	Net Utility Plant in Service	<u>9,688,995</u>
19	Utility Plant Held for Future Use	\$0
20	Construction Work in Progress	\$415,715
21	Less: Accumulated Deferred Income Taxes	\$1,686,472
22	Cash Working Capital	(\$154,887)
	Other Rate Base Items:	
23	Materials and Supplies	\$152,207
24	Fuel Inventory	84,026
25	Non-Plant Assets & Liabilities	92,040
26	Prepayments and Other Working Capital	<u>105,363</u>
27	Total Other Rate Base Items	433,635
28	Total Average Rate Base	<u><u>8,696,988</u></u>

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO GENERAL RATES**  
**DETAILED RATE BASE COMPONENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
**Schedule B**  
**Part 1 of 3**  
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<b>Line</b>		<b>2022 General</b>	<b>2022 Interim</b>	
<b>No.</b>	<b>Description</b>	<b>Rate Case</b>	<b>Rate Petition</b>	<b>Change</b>
		<b>Filing</b>	<b>Present Rates</b>	<b>(C) = (B) - (A)</b>
		<b>(A)</b>	<b>(B)</b>	
	Electric Plant as Booked			
1	Production	\$12,244,456	\$10,870,843	(\$1,373,614)
2	Transmission	3,592,979	2,687,426	(905,553)
3	Distribution	4,371,330	4,371,330	-
4	General	1,052,623	1,052,144	(478)
5	Common	990,884	985,381	(5,503)
6	TOTAL Utility Plant in Service	\$22,252,272	\$19,967,124	(\$2,285,149)
	Reserve for Depreciation			
7	Production	\$7,119,351	\$6,966,948	(\$152,402)
8	Transmission	835,805	705,630	(130,175)
9	Distribution	1,569,707	1,569,135	(572)
10	General	572,822	572,688	(134)
11	Common	468,825	463,727	(5,097)
12	TOTAL Reserve for Depreciation	\$10,566,509	\$10,278,128	(\$288,381)
	Net Utility Plant in Service			
13	Production	\$5,125,106	\$3,903,894	(\$1,221,211)
14	Transmission	2,757,174	1,981,796	(775,378)
15	Distribution	2,801,623	2,802,195	572
16	General	479,801	479,457	(344)
17	Common	522,059	521,654	(406)
18	Net Utility Plant in Service	\$11,685,763	\$9,688,995	(\$1,996,768)
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$417,943	\$415,715	(\$2,228)
21	Less: Accumulated Deferred Income Taxes	\$2,147,245	\$1,686,472	(\$460,773)
22	Cash Working Capital	(\$153,713)	(\$154,887)	(\$1,174)
	Other Rate Base Items:			
23	Materials and Supplies	\$152,207	\$152,207	\$0
24	Fuel Inventory	84,026	84,026	-
25	Non-Plant Assets & Liabilities	122,703	92,040	(30,663)
26	Prepayments and Other Working Capital	106,071	105,363	(709)
27	Total Other Rate Base Items	\$465,007	\$433,635	(\$31,371)
28	Total Average Rate Base	\$10,267,755	\$8,696,988	(\$1,570,767)



## **COMPARISON OF PROPOSED 2022 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 5 of 5.

### Renewable Energy Standard (RES) Rider Roll-In Removal

The Company is proposing to include in the general rate petition the rate base components associated with certain generation facilities and transmission 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 of 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 of in TCR projects to eliminate any potential double recovery.

### Aurora Deferral Expense Amortization Removal.

The Commission's Order in Docket No. E-002/M-15-330 approved a power purchase agreement between Xcel Energy and Aurora Distributed Solar, LLC. This resource was disputed by the South Dakota Public Utilities Commission (SDPUC) in Docket EL16-037 and resulted in recovery limited to an energy proxy price (derived from the system average cost of fuel and purchased power), with no capacity component. 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 2021 - 2022. The interim rate revenue requirement is being adjusted

to remove the rate base components associated with this deferral expense amortization request.

Pension Extend Deferral.

The Company is requesting authorization to recover in the general rate petition a return on the deferred pension expense difference related to extending the amortization period for unrecognized pension costs for the NSPM Plan from 10 to 20 years, and a “cap and defer” recovery of Xcel Energy Services (“XES”) pension costs as approved in Docket No. E002/GR-13-868. The interim rate revenue requirement is being adjusted to remove the rate base components associated with this request.

FERC Audit.

The interim rate petition is being adjusted to remove a portion of capital software costs that had been allocated from XES to NSPM in accordance with the findings of a recent FERC audit of XES. The Company is proposing a rebuttal adjustment to final rates in the general rate petition for this matter, and the rate base components associated with this adjustment are removed from the interim rate revenue requirement.

Depreciation Study: Remaining Life.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723, which updates the remaining lives, net salvage rates, and reserve allocations of several production facilities based on a new five-year dismantling study. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the impacts of this depreciation study.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-20-635, which updates the depreciation rates of certain transmission, distribution, and generation facilities. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the impacts of this depreciation study.

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

The Company was completing validation on the ADIT pro-rate calculation and identified that the pro-rate factor used in the final revenue requirement inadvertently included a double averaging of the pro-rate factor. 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, and as such, an adjustment was included in the general rate petition. This interim rate base adjustment reflects the correct pro-rate factor and 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 2021, 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.

Line No.	Description	Interim Adjustments								Secondary Calculations			2022 Interim Rate Petition Present Rates (1)
		2022 General Rate Case Filing (1)	RES Roll-In Removal (2)	TCR Roll-In Removal (3)	Aurora Removal (4)	Pension Extend: Deferral (5)	FERC Audit (6)	Depr Study: Remaining Life (7)	Depr Study: TD&G (8)	ADIT Pro-Rate Adj (9)	NOL Adj (10)	Cash Working Capital (11)	
1	Utility Plant in Service	\$22,252,272	(\$1,413,908)	(\$865,736)			(\$5,504)						\$19,967,124
2	Less: Reserve for Depreciation	<u>10,566,509</u>	<u>(\$149,315)</u>	<u>(\$127,752)</u>			<u>(\$3,184)</u>	<u>(\$5,644)</u>	<u>(\$2,486)</u>				<u>10,278,128</u>
3	Net Utility Plant in Service	\$11,685,763	(\$1,264,593)	(\$737,984)	\$0	\$0	(\$2,320)	\$5,644	\$2,486	\$0	\$0	\$0	\$9,688,995
4	Utility Plant Held for Future Use	\$0											\$0
5	Construction Work in Progress	\$417,943	(\$580)	(\$1,176)			(\$472)						\$415,715
6	Less: Accumulated Deferred Income Taxes	\$2,147,245	(\$244,392)	(\$187,741)		(\$8,619)	(\$453)	\$1,586	\$699	\$5,101	(26,954)		\$1,686,472
7	Cash Working Capital	(\$153,713)										(\$1,174)	(\$154,887)
Other Rate Base Items													
8	Materials and Supplies	\$152,207											\$152,207
9	Fuel Inventory	84,026											\$84,026
10	Non-Plant Assets & Liabilities	122,703				(\$30,663)							\$92,040
11	Prepayments and Other Working Capital	<u>106,071</u>			<u>(\$709)</u>								<u>\$105,363</u>
12	Total Other Rate Base Items	<u>\$465,007</u>	<u>\$0</u>	<u>\$0</u>	<u>(\$709)</u>	<u>(\$30,663)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$433,635</u>
13	Total Average Rate Base	<u>\$10,267,755</u>	<u>(\$1,020,781)</u>	<u>(\$551,419)</u>	<u>(\$709)</u>	<u>(\$22,044)</u>	<u>(\$2,339)</u>	<u>\$4,057</u>	<u>\$1,787</u>	<u>(\$5,101)</u>	<u>\$26,954</u>	<u>(\$1,174)</u>	<u>\$8,696,988</u>

(1) Electric Utility - Minnesota Jurisdiction

Northern States Power Company  
Electric Utility - State of Minnesota  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO GENERAL RATES**  
**STATEMENT OF OPERATING INCOME**  
(\$000's)

Docket No. E002/GR-20-723  
**Schedule B**  
**Part 2 of 3**  
**Page 1 of 7**

Line No.	Description	2022 General Rate Case Filing (A)	2022 Interim Rate Petition Present Rates (B)	Change (C) = (B) - (A)
<b><u>Operating Revenues</u></b>				
1	Retail	\$3,053,378	\$2,916,626	(\$136,752)
2	Interdepartmental	456	456	0
3	Other Operating	563,137	561,248	(1,889)
4	<b>Total Operating Revenues</b>	<b>\$3,616,971</b>	<b>\$3,478,330</b>	<b>(\$138,641)</b>
<b><u>Expenses</u></b>				
Operating Expenses:				
5	Fuel and Purchased Power	\$919,838	\$919,838	\$0
6	Power Production	638,428	615,264	(23,164)
7	Transmission	268,540	268,540	0
8	Distribution	132,937	130,422	(2,516)
9	Customer Accounting	52,401	52,401	0
10	Customer Service & Information	128,545	128,545	0
11	Sales, Econ Dvlp & Other	284	284	0
12	Administrative & General	235,276	225,906	(9,370)
13	<b>Total Operating Expenses</b>	<b>\$2,376,248</b>	<b>\$2,341,199</b>	<b>(\$35,049)</b>
14	Depreciation	\$778,372	\$692,508	(\$85,864)
15	Amortization	\$51,576	\$43,826	(\$7,751)
Taxes:				
16	Property	\$201,387	\$183,385	(\$18,002)
17	Deferred Income Tax & ITC	(146,787)	(196,060)	(49,273)
18	Federal & State Income Tax	(41,137)	112,192	153,330
19	Payroll & Other	28,067	28,047	(20)
20	<b>Total Taxes</b>	<b>\$41,530</b>	<b>\$127,564</b>	<b>\$86,035</b>
21	<b>Total Expenses</b>	<b>\$3,247,726</b>	<b>\$3,205,097</b>	<b>(\$42,629)</b>
22	<b>Operating Income</b>	<b>369,245</b>	<b>273,233</b>	<b>(\$96,012)</b>
23	AFUDC	\$25,065	\$25,032	(\$34)
24	<b>Total Operating Income</b>	<b>\$394,310</b>	<b>\$298,265</b>	<b>(\$96,046)</b>

Note: Revenues reflect calendar month sales.

**COMPARISON OF PROPOSED 2022 INTERIM RATES  
STATEMENT OF OPERATING INCOME  
DESCRIPTION OF CHANGES**

Schedule B, Part 2 of 3, Page 7 of 7, contains a bridge schedule itemizing the changes from General Rate Petition operating income statement to the Interim Rate Petition operating income statement. Seventeen 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 components associated with certain generation facilities and transmission 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 2022. The interim rate revenue requirement is being adjusted to remove the revenue and cost components associated with the roll in of 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 2022. The interim rate revenue requirement is being adjusted to remove the revenue and cost components associated with the roll in of TCR projects to eliminate any potential double recovery.

Aurora Deferral Expense Amortization Removal.

The Commission's Order in Docket No. E-002/M-15-330 approved the power purchase agreement between Xcel Energy and Aurora Distributed Solar, LLC. This resource was disputed by the South Dakota Public Utilities Commission (SDPUC) in Docket EL16-037 and resulted in recovery limited to an energy proxy price (derived from the system average cost of fuel and purchased power), with no capacity component. 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 2021 - 2022. The interim rate revenue requirement is being adjusted to remove the cost components associated with this deferral expense amortization request.

Pension Extend Deferral.

The Company is requesting authorization to recover in the general rate petition a return on the deferred pension expense difference related to extending the amortization period for unrecognized pension costs for the NSPM Plan from 10 to 20 years, and a “cap and defer” recovery of XES pension costs as approved in Docket No. E002/GR-13-868. The interim rate revenue requirement is being adjusted to remove the cost components associated with this request.

Pension Deferred Amortization.

The Company is requesting authorization to recover in the general rate petition the annual amount of the three-year amortization of the Xcel Energy Services (“XES”) Plan cap cumulative deferred balance. The interim rate revenue requirement is being adjusted to remove the cost components associated with this amortization expense request.

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% amounts.

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 was 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.

Time-Based Incentive Removal.

The Company is requesting authorization to recover in the general rate petition the long-term portion of incentive compensation related to employee retention. The Company was 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 time-based 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 employees factor was adjusted to use allocated labor hours with overtime in lieu of employee count. This interim rate revenue requirement adjustment replaces the cost allocation based on employee count with the calculation of costs assigned using labor hours.

Depreciation Study: Remaining Life.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723, which updates the remaining lives, net salvage rates, and reserve allocations of several production facilities based on a new five-year dismantling study. The interim rate revenue requirement is being adjusted to remove the revenue and cost components associated with the impacts of this depreciation study.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-20-635, which updates the depreciation rates of transmission, distribution, and generation facilities. The interim rate revenue



requirement is being adjusted to remove the revenue and cost components associated with the impacts of this depreciation study.

#### FERC Audit.

The interim rate petition is being adjusted to remove a portion of capital software costs that had been allocated from XES to NSPM in accordance with the findings of a recent FERC audit of XES. The Company is proposing a rebuttal adjustment to final rates in the general rate petition for this matter, and the revenue requirement associated with this adjustment are removed from the interim rate revenue requirement.

#### 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 NSPM 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.

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

The Company was completing validation on the ADIT pro-rate calculation and identified that the pro-rate factor used in the final revenue requirement inadvertently included a double averaging of the pro-rate factor. 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, and as such, an adjustment was included in the general rate petition. This interim adjustment reflects the correct pro-rate factor and 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 2022, 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				2022 Interim Rate Petition Present Rates (1)	Remove FCA Revenue and Fuel Expense (20)	2022 Interim Total Net of Fuel (21)
		2022 General Rate Case Filing (1)	RES Roll-In Removal (2)	TCR Roll-In Removal (3)	Aurora Removal (4)	Pension Extend: Deferral (5)	Pension Deferred Amortization (6)	Incentive 20% to 15% (7)	Incentive Environmental (8)	Incentive Time-Based (9)	PI Tribal Settlement (10)	XES Allocation Labor Hours (11)	Depr Study: Remaining Life (12)	Depr Study: TD&G (13)	FERC Audit (14)	Change in Cost of Capital (15)	ADIT Pro-Rate Adj (16)	NOL Calculation (17)	CWC Change (18)				
	Operating Revenues																						
1	Retail	\$3,053,378	(\$53,387)	(\$83,365)																	\$2,916,626	(\$749,743)	\$2,166,883
2	Interdepartmental	456																		456		456	
3	Other Operating	563,137		(1,343)								(\$54)	6	0	\$1	\$1,248				561,248		561,248	
4	Total Operating Revenues	\$3,616,971	(\$53,387)	(\$84,708)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$554)	\$6	\$0	\$1	\$0	\$0	\$0	\$0	\$3,478,330	(\$749,743)	\$2,728,587	
Expenses																							
Operating Expenses:																							
5	Fuel and Purchased Power	\$919,838																		\$919,838	(\$749,743)	\$170,095	
6	Power Production	638,428	(\$22,839)																	615,264		\$15,264	
7	Transmission	268,540																		268,540		268,540	
8	Distribution	132,937		(2,516)																130,422		130,422	
9	Customer Accounting	52,401																		52,401		52,401	
10	Customer Service & Information	126,545																		126,545		126,545	
11	Sales, Econ Dvlp & Other	284																		284		284	
12	Administrative & General	235,276																		225,906		225,906	
13	Total Operating Expenses	\$2,976,246	(\$22,839)	(\$2,516)	\$0	\$0	\$0	(\$1,178)	(\$2,208)	(\$1,428)	(\$325)	(\$4,556)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,941,195	(\$749,743)	\$1,591,456	
14	Depreciation	\$776,372	(\$60,609)	(\$19,346)																\$692,508		\$692,508	
15	Amortizations	\$51,576			(\$2,101)		(\$5,649)						(\$3,762)	(\$1,658)	(\$490)					\$43,826		\$43,826	
Taxes:																							
16	Property	\$201,387	(\$4,962)	(\$13,040)																\$183,385		\$183,385	
17	Deferred Income Tax & ITC	(146,787)	(42,139)	(2,874)		67														(196,060)		(196,060)	
18	Federal & State Income Tax	(41,137)	151,407	(8,252)	608	557	\$1,624	\$338	\$635	\$410	\$93	\$1,315	1,058	466	4				5,333	\$7	112,192		
19	Payroll & Other	28,087											(20)							28,047		\$28,047	
20	Total Taxes	\$41,530	\$104,305	(\$24,166)	\$608	\$124	\$1,624	\$338	\$635	\$410	\$93	\$1,295	\$875	\$458	\$170	(\$250)	\$29	(\$521)	\$7	\$127,564		\$127,564	
21	Total Expenses	\$3,247,726	\$20,858	(\$46,027)	(\$1,493)	\$124	(\$4,026)	(\$839)	(\$1,574)	(\$1,017)	(\$232)	(\$3,261)	(\$2,887)	(\$1,200)	(\$320)	(\$250)	\$29	(\$521)	\$7	\$3,205,097	(\$749,743)	\$2,455,354	
22	Operating Income	\$369,245	(\$74,244)	(\$38,682)	\$1,493	(\$124)	\$4,026	\$839	\$1,574	\$1,017	\$232	\$3,261	\$2,333	\$1,206	\$320	\$251	(\$29)	\$521	(\$7)	\$273,233	\$0	\$273,233	
23	Allowance for Funds Used During Construction	\$25,065														(\$34)				\$25,032		\$25,032	
24	Total Operating Income	\$394,310	(\$74,244)	(\$38,682)	\$1,493	(\$124)	\$4,026	\$839	\$1,574	\$1,017	\$232	\$3,261	\$2,333	\$1,206	\$287	\$251	(\$29)	\$521	(\$7)	\$298,265	\$0	\$298,265	
Revenue Requirement																							
25	Total Rate Base	\$10,267,755	(\$1,020,781)	(\$551,419)	(\$709)	(\$22,044)	\$0	\$0	\$0	\$0	\$0	\$0	\$4,057	\$1,787	(\$2,339)	\$0	(\$5,101)	\$26,954	(\$1,174)	\$8,696,988		\$8,696,988	
26	Require Operating Inc (RB * Req Return)	\$753,653	(\$74,925)	(\$40,474)	(\$52)	(\$1,618)	\$0	\$0	\$0	\$0	\$0	\$0	\$298	\$131	(\$172)	(\$51,312)	(\$374)	\$1,978	(\$86)	\$587,047		\$587,047	
27	Operating Income	\$394,310	(\$74,244)	(\$38,682)	\$1,493	(\$124)	\$4,026	\$839	\$1,574	\$1,017	\$232	\$3,261	\$2,333	\$1,206	\$287	\$251	(\$29)	\$521	(\$7)	\$298,265		\$298,265	
28	Operating Income Deficiency	\$359,343	(\$681)	(\$1,793)	(\$1,545)	(\$1,494)	(\$4,026)	(\$839)	(\$1,574)	(\$1,017)	(\$232)	(\$3,261)	(\$2,036)	(\$1,075)	(\$458)	(\$51,563)	(\$345)	\$1,457	(\$79)	\$288,782		\$288,782	
29	Revenue Deficiency	\$504,284	(\$956)	(\$2,516)	(\$2,169)	(\$2,097)	(\$5,649)	(\$1,178)	(\$2,208)	(\$1,428)	(\$325)	(\$4,576)	(\$2,857)	(\$1,508)	(\$543)	(\$72,361)	(\$495)	\$2,045	(\$112)	\$405,263	\$0	\$405,263	

Notes: (1) Electric Utility - Minnesota Jurisdiction

Northern States Power Company  
Electric Utility - State of Minnesota  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO GENERAL RATES**  
**SUMMARY OF REVENUE REQUIREMENTS**  
(\$000's)

Docket No. E002/GR-20-723  
Schedule B  
Part 3 of 3  
Page 1 of 1

<b>Line No.</b>	<b>Description</b>	<b>2022 General Rate Case Filing (A)</b>	<b>2022 Interim Rate Petition Present Rates (B)</b>	<b>Change (C) = (B) - (A)</b>
1	Average Rate Base	\$10,267,755	\$8,696,988	(\$1,570,767)
2	Required Rate of Return	7.34%	6.75%	-0.59%
3	Operating Income Requirement (Line 1 x Line 2)	\$753,653	\$587,047	(\$166,607)
4	Operating Income Under Present Rates	\$394,310	\$298,265	(\$96,046)
5	Operating Income Deficiency (Line 3 - Line 4)	\$359,343	\$288,782	(\$70,561)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	\$504,284	\$405,263	(\$99,022)

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO PRESENT RATES**  
**DETAILED RATE BASE COMPONENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
**Schedule C**  
**Part 1 of 4**  
**Page 1 of 3**

Line No.	Description	Present Rates General Rate Case Approved E,G999/CI-17-895 (1)	2022 Interim Rate Petition Present Rates	Change
		(A)	(B)	(C) = (B) - (A)
	Electric Plant as Booked			
1	Production	\$10,060,608	\$10,870,843	\$810,235
2	Transmission	2,397,725	2,687,426	289,701
3	Distribution	3,658,370	4,371,330	712,960
4	General	888,530	1,052,144	163,614
5	Common	781,187	985,381	204,194
6	TOTAL Utility Plant in Service	<u>\$17,786,420</u>	<u>\$19,967,124</u>	<u>2,180,704</u>
	Reserve for Depreciation			
7	Production	\$6,015,790	\$6,966,948	\$951,158
8	Transmission	619,062	705,630	86,568
9	Distribution	1,391,483	1,569,135	177,652
10	General	451,746	572,688	120,942
11	Common	412,713	463,727	51,014
12	TOTAL Reserve for Depreciation	<u>\$8,890,795</u>	<u>\$10,278,128</u>	<u>\$1,387,333</u>
	Net Utility Plant in Service			
13	Production	\$4,044,818	\$3,903,894	(\$140,923)
14	Transmission	1,778,663	1,981,796	203,133
15	Distribution	2,266,887	2,802,195	535,308
16	General	436,784	479,457	42,672
17	Common	368,473	521,654	153,180
18	Net Utility Plant in Service	<u>\$8,895,625</u>	<u>\$9,688,995</u>	<u>\$793,370</u>
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$380,350	\$415,715	\$35,365
21	Less: Accumulated Deferred Income Taxes	\$2,151,719	\$1,686,472	(\$465,247)
22	Cash Working Capital	(\$111,130)	(\$154,887)	(\$43,756)
	Other Rate Base Items:			
23	Materials and Supplies	\$135,797	\$152,207	\$16,409
24	Fuel Inventory	\$73,476	84,026	10,550
25	Non-Plant Assets & Liabilities	\$27,456	92,040	64,584
26	Prepayments and Other Working Capital	<u>\$151,609</u>	<u>105,363</u>	<u>(46,246)</u>
27	Total Other Rate Base Items	<u>\$388,338</u>	<u>\$433,635</u>	<u>\$45,297</u>
28	Total Average Rate Base	<u><u>\$7,401,465</u></u>	<u><u>\$8,696,988</u></u>	<u><u>\$1,295,523</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 2022 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 2022 interim rates has increased approximately \$1,296 million, an average annual increase of 8.8 percent over the final rate base level approved in Docket No. E,G999/CI-17-895.

Net Utility Plant in Service increased \$793 million. The primary driver of this growth has been the additional Company investments in Distribution functional assets. Changes in this functional class accounts for approximately 67% of the Net Utility Plant increase.

Net Production Plant has decreased by \$141 million (capital additions of approximately \$810 million offset by increases in depreciation reserves of approximately \$951 million), Net Transmission Plant has increased by \$203 million (capital additions of approximately \$290 million offset by increases in depreciation reserves of approximately \$87 million), while the Net Distribution Plant has increased by \$535 million (capital additions of \$713 million offset by approximately \$178 million of depreciation reserve). Net General Plant increased approximately \$43 million (\$164 million of additions offset by \$121 million of reserve) and a \$153 million increase (capital additions of approximately \$204 million offset by increases in depreciation reserves of approximately \$51 million) in Net Common Plant accounts for the remainder of the overall Net Utility Plant increase.

Construction Work in Progress between the two periods has increased approximately \$35 million as ongoing construction activity, specifically the Production and Distribution 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 \$465 million.

Since the last General Rate Order, Cash Working Capital requirements, a rate base deduction, have increased by approximately \$44 million, causing an equivalent decrease to the average Rate Base. The Company's 2022 average expense lead days increased to 56.69 from 55.71 in the 2019 test year, meaning that the Company's cash outlay for paying expenses has increased by an average of 0.98 days. For the

same periods, the average revenue lag days decreased to 38.00 in from 41.69. This means that revenues are being collected on average 3.69 days sooner in the interim cost of service. The net effect of the lead/lag changes is that the Company is holding onto customers' cash longer in the test year and therefore 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 \$45 million. This increase was driven by an increase in Non-Plant Assets and Liabilities of approximately \$65 million, an increase in Materials and Supplies of \$16 million, and an increase in Fuel Inventory of \$11 million. These increases are being partially offset by a decrease in Prepayments and Other Working Capital of approximately \$46 million.

In summary, the net effect of the increase in Net Plant in Service, \$793 million, the increase in CWIP of \$35 million, the decreased Accumulated Deferred Income Taxes (an increase to rate base) of \$465 million, the increase in Cash Working Capital approximately \$44 million, and the \$45 million increase in Other Rate Base Items accounts for the approximately \$1,296 million increase in Total Average Rate Base for the proposed 2022 interim rate period.

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO PRESENT RATES**  
**STATEMENT OF OPERATING INCOME**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
**Schedule C**  
**Part 2 of 4**  
**Page 1 of 3**

Line		Present Rates From Most Recent General Rate Case Approved E,G999/CI-17-895 (1)	2022 Interim Rate Petition Present Rates	Change (C) = (B) - (A)
No.	Description	(A)	(B)	
<b><u>Operating Revenues</u></b>				
1	Retail	\$3,188,988	\$2,916,626	(\$272,361)
2	Interdepartmental	672	456	(216)
3	Other Operating	687,000	561,248	(125,752)
4	<b>Total Operating Revenues</b>	<b>\$3,876,660</b>	<b>\$3,478,330</b>	<b>(\$398,330)</b>
<b><u>Expenses</u></b>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,125,206	\$919,838	(\$205,368)
6	Power Production	684,262	615,264	(68,998)
7	Transmission	250,967	268,540	17,573
8	Distribution	111,186	130,422	19,236
9	Customer Accounting	50,555	52,401	1,845
10	Customer Service & Information (2)	95,067	128,545	33,478
11	Sales, Econ Dvlp & Other	69	284	215
12	Administrative & General	224,433	225,906	1,474
13	<b>Total Operating Expenses</b>	<b>\$2,541,744</b>	<b>\$2,341,199</b>	<b>(\$200,545)</b>
14	Depreciation	\$568,522	\$692,508	\$123,986
15	Amortizations	\$24,140	\$43,826	\$19,686
Taxes:				
16	Property	\$198,796	\$183,385	(\$15,411)
17	Deferred Income Tax & ITC	(2,106)	(196,060)	(193,954)
18	Federal & State Income Tax	19,539	112,192	92,653
19	Payroll & Other	29,896	28,047	(1,849)
20	<b>Total Taxes</b>	<b>\$246,124</b>	<b>\$127,564</b>	<b>(\$118,560)</b>
21	<b>Total Expenses</b>	<b>\$3,380,530</b>	<b>\$3,205,097</b>	<b>(\$175,433)</b>
22	<b>Operating Income</b>	<b>\$496,130</b>	<b>\$273,233</b>	<b>(\$222,897)</b>
23	AFUDC	\$27,894	\$25,032	(\$2,862)
24	<b>Total Operating Income</b>	<b>\$524,024</b>	<b>\$298,265</b>	<b>(\$225,759)</b>

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.

(2) Includes CIP/DSM Program Costs



**COMPARISON OF PROPOSED 2022 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 2022 test year operating income proposed in the Company's interim rate petition shows a decrease in operating income of \$226 million.

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

Total Operating Revenues decreased \$398 million, which is the combination of decreased Retail Electric Revenues of approximately \$272 million and decreased Other Revenues of \$126 million. The Retail Revenue decrease is primarily associated with lower retail sales and lower fuel costs resulting in lower revenues between the 2022 test year and the level authorized in Docket No. E,G999/CI-17-895.

Other Revenue decreased by \$126 million, which was primarily driven by lower projected billings to Northern States Power Company (Wisconsin) under the provisions of the Interchange Agreement.

Fuel and Purchased Energy costs have decreased by \$205 million compared to the last General Rate Order. Reductions in both steam related fuel costs and purchased power contributed to the decrease. Power Production operation costs have decreased by approximately \$69 million primarily associated with decreases in both nuclear and steam operations.

Other Operating Expenses increased by approximately \$74 million. The changes that occurred in the various cost functions are: Transmission expense increased approximately \$18 million; Distribution expense increased approximately \$19 million; Customer Accounting increased approximately \$2 million; Customer Services and Information increased \$33 million; and finally, Administrative and General expense increased approximately \$1 million.

Depreciation expense increased \$124 million, driven by higher annual depreciation specifically in the Nuclear and Distribution functional classes.

Amortization costs in the Interim Rate Petition increased \$20 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 \$15 million across all the functional classes.

Deferred Income Taxes have decreased by \$194 million while Current Federal & State Income Taxes increased approximately \$93 million; these changes are associated with accounting treatment for Federal Tax Credits in the 2022 Interim period relative to the 2019 test year.

Payroll and other taxes have decreased approximately \$2 million between the two periods.

Compared to the last electric General Rate Order, Allowance for Funds Used During Construction decreased approximately \$3 million.

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO PRESENT RATES**  
**SUMMARY OF REVENUE REQUIREMENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
**Schedule C**  
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<b>Line No.</b>	<b>Description</b>	<b>Present Rates From Most Recent General Rate Case Approved E,G999/CI-17-895 (1)</b>	<b>2022 Interim Rate Petition Present Rates</b>	<b>Change</b>
		<b>(A)</b>	<b>(B)</b>	<b>(C) = (B) - (A)</b>
1	Average Rate Base	\$7,401,465	\$8,696,988	\$1,295,523
2	Required Rate of Return	7.08%	6.75%	-0.33%
3	Operating Income Requirement (Line 1 x Line 2)	\$524,024	\$587,047	\$63,023
4	Operating Income Under Present Rates	\$524,024	\$298,265	(\$225,759)
5	Operating Income Deficiency (Line 3 - Line 4)	(\$0)	\$288,782	\$288,782
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$0)	\$405,263	\$405,263

(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 2022 INTERIM RATES TO PRESENT RATES**  
**CAPITAL STRUCTURE AND RATE OF RETURN CALCULATIONS**  
(\$000's)

Docket No. E002/GR-20-723  
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Line No.	Capitalization:	Amount (A)	Percent of Total Capitalization (B)	Cost of Capital (C)	Weighted Cost of Capital (D)
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**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 2022 Interim Rates**

8	Long-Term Debt	\$6,403,032	47.18%	4.21%	1.98%
9	Short-Term Debt	\$43,078	0.32%	1.83%	0.01%
10	Long-Term and Short-Term Debt	\$6,446,110	47.50%		1.99%
11	Preferred Stock	\$0	0.00%	0.00%	0.00%
12	Net Common Equity	\$7,125,058	52.50%	9.06% *	4.76%
13	Total Equity	\$7,125,058	52.50%		4.76%
14	Total Capitalization	\$13,571,169	100.00%		6.75%

**III. Amount of Changes Between I and II**

	Amount		Change
	Fiscal Year Most Recent General Rate Case Approved (A)	Proposed 2022 Interim Rate (B)	(C) = (B) - (A)
Long-Term Debt	\$4,716,554	\$6,403,032	\$1,686,478
Short-Term Debt	\$173,470	\$43,078	(\$130,392)
Long-Term and Short-Term Debt	\$4,890,024	\$6,446,110	\$1,556,086
Preferred Stock	\$0	\$0	\$0
Net Common Equity	\$5,404,844	\$7,125,058	\$1,720,214
Total Equity	\$5,404,844	\$7,125,058	\$1,720,214
Total Capitalization	\$10,294,868	\$13,571,169	\$3,276,301

\* 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 to 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 \$1.69 billion compared to the last electric general rate case filing in Docket No. E002/GR-15-826.

The Short-term Debt component proposed for use in the interim capital structure decreased \$130 million compared to the last electric General Rate Order.

The overall reduction in the weighted cost of debt (1.99 percent compared to 2.25 percent) 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 \$1.72 billion primarily based on the increases in Retained Earnings.

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

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2019 ACTUAL**  
**DETAILED RATE BASE COMPONENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
**Schedule D**  
**Part 1 of 3**  
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<b>Line</b>		<b>Actual</b>	<b>2022 Interim</b>	
<b>No.</b>	<b>Description</b>	<b>2019</b>	<b>Rate Petition</b>	<b>Change</b>
		<b>Adjusted (1)</b>	<b>Present Rate</b>	
		<b>(A)</b>	<b>(B)</b>	<b>(C) = (B) - (A)</b>
	Electric as Booked			
1	Production	\$10,046,342	\$10,870,843	\$824,500
2	Transmission	2,321,169	2,687,426	366,256
3	Distribution	3,679,746	4,371,330	691,583
4	General	873,787	1,052,144	178,357
5	Common	656,386	985,381	328,995
6	TOTAL Utility Plant in Service	<u>\$17,577,431</u>	<u>\$19,967,124</u>	<u>\$2,389,692</u>
	Reserve for Depreciation			
7	Production	\$5,890,702	\$6,966,948	\$1,076,246
8	Transmission	594,913	705,630	110,717
9	Distribution	1,372,516	1,569,135	196,619
10	General	397,805	572,688	174,883
11	Common	264,223	463,727	199,504
12	TOTAL Reserve for Depreciation	<u>\$8,520,159</u>	<u>\$10,278,128</u>	<u>\$1,757,969</u>
	Net Utility Plant in Service			
13	Production	\$4,155,640	\$3,903,894	(\$251,746)
14	Transmission	1,726,257	1,981,796	255,539
15	Distribution	2,307,231	2,802,195	494,964
16	General	475,982	479,457	3,475
17	Common	392,163	521,654	129,491
18	Net Utility Plant in Service	<u>\$9,057,272</u>	<u>\$9,688,995</u>	<u>\$631,723</u>
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$418,366	\$415,715	(\$2,651)
21	Less: Accumulated Deferred Income Taxes	\$2,128,598	\$1,686,472	(\$442,126)
22	Cash Working Capital	(\$134,937)	(\$154,887)	(\$19,949)
	Other Rate Base Items:			
23	Materials and Supplies	\$151,990	\$152,207	\$217
24	Fuel Inventory	73,793	84,026	10,233
25	Non-Plant Assets & Liabilities	85,594	92,040	6,446
26	Prepayments and Other Working Capital	<u>110,129</u>	<u>105,363</u>	<u>(4,766)</u>
27	Total Other Rate Base Items	\$421,506	\$433,635	\$12,130
28	Total Average Rate Base	<u><u>\$7,633,608</u></u>	<u><u>\$8,696,988</u></u>	<u><u>\$1,063,379</u></u>

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

**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2019  
ACTUAL  
DETAILED RATE BASE COMPONENTS  
DESCRIPTION OF CHANGES**

Total Average Rate Base used to determine the interim rate revenue requirement increased by \$1,063 million from 2019, the most recent actual fiscal year. The higher total average rate base is driven by an increase in Net Plant in Service of \$632 million, decreased Construction Work in Progress (“CWIP”) of \$3 million, decreased Accumulated Deferred Income Taxes, (which increases Rate Base) of approximately \$442 million, an increase to Cash Working Capital (which decreases rate base) of \$20 million and an increase in Other Rate Base Items of approximately \$12 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 \$252 million and an increase in Net Transmission Plant of approximately \$256 million (some investments in these functional classes are included in various rider mechanisms). Net Distribution Plant increased approximately \$495 million. Net General and Common functional classes have a combined increase totaling \$133 million.

CWIP decreased approximately \$3 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 \$442 million.

Cash Working Capital, a negative rate base component, increased by \$20 million compared to the most recent actual fiscal year, decreasing average Rate Base. This means that the Company is holding onto the customers’ cash longer in the test year and therefore the rate base offset for Cash Working Capital is higher.

Other Rate Base Items resulted in a collective increase in average rate base of approximately \$12 million. This higher rate base was driven by increases in Materials and Supplies of less than \$1 million, Fuel Inventory of \$10 million, and Non-Plant Assets and Liabilities of \$6 million. Partially offsetting those increases was a decrease in Prepayments and Other Working Capital of \$5 million between the two periods.

In summary, the net effect of the increase in Net Plant in Service of \$632 million, the decrease in CWIP, of \$3 million, the decrease in Accumulated Deferred Income Taxes (an increase to rate base), approximately \$442 million, the increase in Cash Working Capital of \$20 million, and the approximate \$12 million increase from Other Rate Base Items accounts for the \$1,063 million overall increase in Total Average Rate Base used to determine the 2022 interim revenue requirement.



Northern States Power Company  
Electric Utility - State of Minnesota  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2019 ACTUAL**  
**STATEMENT OF OPERATING INCOME**  
(\$000's)

Docket No. E002/GR-20-723  
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Line No.	Description	Actual 2019 Adjusted (1)	2022 Interim Rate Petition Present Rate	Change (C) = (B) - (A)
		(A)	(B)	(C) = (B) - (A)
<b><u>Operating Revenues</u></b>				
1	Retail	\$3,001,959	\$2,916,626	(\$85,333)
2	Interdepartmental	588	456	(132)
3	Other Operating	669,328	561,248	(108,081)
4	<b>Total Operating Revenues</b>	<b>\$3,671,875</b>	<b>\$3,478,330</b>	<b>(\$193,545)</b>
<b><u>Expenses</u></b>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,004,883	\$919,838	(\$85,045)
6	Power Production	577,901	615,264	37,363
7	Transmission	248,874	268,540	19,666
8	Distribution	107,080	130,422	23,342
9	Customer Accounting	50,254	52,401	2,147
10	Customer Service & Information	139,648	128,545	(11,104)
11	Sales, Econ Dvlp & Other	82	284	202
12	Administrative & General	198,444	225,906	27,462
13	<b>Total Operating Expenses</b>	<b>\$2,327,166</b>	<b>\$2,341,199</b>	<b>\$14,033</b>
14	Depreciation	\$575,652	\$692,508	\$116,856
15	Amortizations	\$8,920	\$43,826	\$34,906
Taxes:				
16	Property	\$172,755	\$183,385	\$10,631
17	Deferred Income Tax & ITC	(59,719)	(196,060)	(136,341)
18	Federal & State Income Tax	96,894	112,192	15,298
19	Payroll & Other	27,219	28,047	828
20	<b>Total Taxes</b>	<b>\$237,149</b>	<b>\$127,564</b>	<b>(\$109,585)</b>
21	<b>Total Expenses</b>	<b>\$3,148,887</b>	<b>\$3,205,097</b>	<b>\$56,210</b>
22	<b>Operating Income</b>	<b>\$522,988</b>	<b>\$273,233</b>	<b>(\$249,755)</b>
23	AFUDC	\$26,899	\$25,032	(\$1,868)
24	<b>Total Operating Income</b>	<b>\$549,887</b>	<b>\$298,265</b>	<b>(\$251,623)</b>

Note: Revenues reflect calendar month sales.

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

**COMPARISON OF PROPOSED 2022 INTERIM RATES  
TO 2019 ACTUAL  
STATEMENT OF OPERATING INCOME  
DESCRIPTION OF CHANGES**

Comparing the operating income used to determine interim rates to actual operating income from 2019, the most recent fiscal year, shows a decrease of \$252 million.

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

Total Operating Electric Revenues decreased \$194 million, with Retail Revenues accounting for \$85 million of the change. Other Operating Revenue decreased \$108 million primarily due to trading revenue. Trading revenue is offset by fuel revenue and fuel and purchased energy expense such that these items combined are earnings neutral.

Compared to the 2019 fiscal year, the cost of Fuel and Purchased Energy decreased by \$85 million. The cost of Power Production increased by \$37 million.

Excluding the cost of Fuel, Purchased Energy and Power Production, other operating expenses have a net increase of approximately \$62 million. Transmission expenses increase by \$20 million. Distribution expenses increase by \$23 million. Customer Accounting expenses increase by \$2 million, while Customer Service & Information costs decrease by \$11 million. Sales and Economic Development expenses remained relatively flat between the two periods and Administrative & General expenses increased of \$27 million.

Depreciation expense is projected to increase by \$117 million driven by increased plant in service.

Amortizations increase approximately \$35 million between the two periods. This increase is mainly driven by accruals for Decoupling and Sales True Up.

Property Taxes increase approximately \$11 million, and Payroll & Other Taxes increase \$1 million.

Current Federal and State Income Taxes increase by approximately \$15 million. Deferred Income Taxes decrease approximately \$136 million mainly because of book to tax timing differences.

Allowance for Funds Used During Construction decreased by approximately \$2 million.

The changes described above in aggregate account for the \$252 million decrease in utility operating income for the proposed 2022 interim rate revenue requirement compared to the most recent fiscal year.

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2019 ACTUAL**  
**SUMMARY OF REVENUE REQUIREMENTS**  
**(\$000's)**

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<b>Line No.</b>	<b>Description</b>	<b>Actual 2019 Adjusted (1)</b>	<b>2022 Interim Rate Petition Present Rate</b>	<b>Change</b>
		<b>(A)</b>	<b>(B)</b>	<b>(C) = (B) - (A)</b>
1	Average Rate Base	\$7,633,608	\$8,696,988	\$1,063,379
2	Required Rate of Return	6.86%	6.75%	-0.11%
3	Operating Income Requirement (Line 1 x Line 2)	\$523,666	\$587,047	\$63,381
4	Operating Income Under Present Rates	\$549,887	\$298,265	(\$251,623)
5	Operating Income Deficiency (Line 3 - Line 4)	(\$26,222)	\$288,782	\$315,004
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$36,799)	\$405,263	\$442,061

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

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF 2019 ACTUAL TO LAST APPROVED PRESENT RATES**  
**DETAILED RATE BASE COMPONENTS**  
**(\$000's)**

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<b>Line</b>		<b>Actual</b>	<b>General Rate</b>	
<b>No.</b>	<b>Description</b>	<b>2019</b>	<b>Case Approved</b>	<b>Change</b>
		<b>Adjusted (1)</b>	<b>E,G999/CI-17-895 (2)</b>	
		<b>(A)</b>	<b>(B)</b>	<b>(C) = (A) - (B)</b>
	Electric Plant as Booked			
1	Production	\$10,046,342	\$10,060,608	(\$14,266)
2	Transmission	2,321,169	2,397,725	(76,555)
3	Distribution	3,679,746	3,658,370	21,376
4	General	873,787	888,530	(14,744)
5	Common	656,386	781,187	(124,801)
6	TOTAL Utility Plant in Service	\$17,577,431	\$17,786,420	(\$208,989)
	Reserve for Depreciation			
7	Production	\$5,890,702	\$6,015,790	(\$125,088)
8	Transmission	594,913	619,062	(24,149)
9	Distribution	1,372,516	1,391,483	(18,967)
10	General	397,805	451,746	(53,941)
11	Common	264,223	412,713	(148,490)
12	TOTAL Reserve for Depreciation	\$8,520,159	\$8,890,795	(\$370,635)
	Net Utility Plant in Service			
13	Production	\$4,155,640	\$4,044,818	\$110,822
14	Transmission	1,726,257	1,778,663	(52,406)
15	Distribution	2,307,231	2,266,887	40,344
16	General	475,982	436,784	39,197
17	Common	392,163	368,473	23,689
18	Net Utility Plant in Service	\$9,057,272	\$8,895,625	\$161,647
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$418,366	\$380,350	\$38,016
21	Less: Accumulated Deferred Income Taxes	\$2,128,598	\$2,151,719	(\$23,121)
22	Cash Working Capital	(\$134,937)	(\$111,130)	(\$23,807)
	Other Rate Base Items:			
23	Materials and Supplies	\$151,990	\$135,797	\$16,192
24	Fuel Inventory	73,793	73,476	317
25	Non-Plant Assets & Liabilities	85,594	27,456	58,137
26	Prepayments and other Working Capital	110,129	151,609	(41,480)
27	Total Other Rate Base Items	\$421,506	\$388,338	\$33,167
28	Total Average Rate Base	\$7,633,608	\$7,401,465	\$232,143

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

(2) 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 2019 ACTUALS TO THE MOST RECENT  
COMMISSION APPROVED RATE CASE  
2019 TEST YEAR  
DETAILED RATE BASE COMPONENTS  
DESCRIPTION OF CHANGES**

The total average rate base from the most recent fiscal year ended 2019 was higher by approximately \$232 million when compared to the 2019 Test Year (the 2019 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 2019 Net Utility Plant in Service shows actuals were higher by approximately \$162 million, Construction Work in Progress higher by approximately \$38 million, while Accumulated Deferred Income Taxes, which reduces Rate Base, deviated by \$23 million. The Cash Working Capital component of rate base, which represents a reduction to rate base, exceeded the balance approved in the 2019 Test Year by approximately \$24 million. Lastly, Other Rate Base Items also exceeded the level in the Test Year by a net \$33 million. The following deviation descriptions are based upon the comparative data provided in Schedule E, Part 1, page 1.

The \$162 million difference in Net Utility Plant in Service is attributed to increases in the Net Production, Net Distribution, Net General, and Net Common functional groups totaling approximately \$214 million. Meanwhile, Net Transmission Plant decreased by approximately \$52 million.

Construction Work in Progress varied from the approved level by approximately \$38 million.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, was \$23 million lower 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 \$24 million higher 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 \$33 million. Higher actual balances for Material and Supplies, Fuel Inventory and Non-Plant Assets & Liabilities were partially offset by lower than anticipated levels in Prepayments and Other Working Capital.

The net effect of the higher Net Plant in Service of approximate \$162 million, the approximate \$38 million increase in CWIP, the \$23 million reduction in Accumulated Deferred Income Taxes, the higher Cash Working Capital rate base deduction of approximately \$24 million and the higher Other Rate Base Items of \$33 million accounts for the net \$232 million increase in Total Average Rate Base between the two periods.

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF 2019 ACTUAL TO LAST APPROVED PRESENT RATES**  
**STATEMENT OF OPERATING INCOME**  
**(\$000's)**

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<b>Line No.</b>	<b>Description</b>	<b>Actual 2019 Adjusted (1)</b>	<b>General Rate Case Approved E,G999/CI-17-895 (2)</b>	<b>Change (C) = (A) - (B)</b>
		<b>(A)</b>	<b>(B)</b>	<b>(C) = (A) - (B)</b>
	<b><u>Operating Revenues</u></b>			
1	Retail	\$3,001,959	\$3,188,988	(\$187,029)
2	Interdepartmental	588	672	(84)
3	Other Operating	669,328	687,000	(17,672)
4	<b>Total Operating Revenues</b>	<b>\$3,671,875</b>	<b>\$3,876,660</b>	<b>(\$204,785)</b>
	<b><u>Expenses</u></b>			
	Operating Expenses:			
5	Fuel and Purchased Energy	\$1,004,883	\$1,125,206	(\$120,323)
6	Power Production	577,901	684,262	(106,361)
7	Transmission	248,874	250,967	(2,093)
8	Distribution	107,080	111,186	(4,106)
9	Customer Accounting	50,254	50,555	(301)
10	Customer Service & Information (3)	139,648	95,067	44,582
11	Sales, Econ Dvlp & Other	82	69	13
12	Administrative & General	198,444	224,433	(25,989)
13	<b>Total Operating Expenses</b>	<b>\$2,327,166</b>	<b>\$2,541,744</b>	<b>(\$214,578)</b>
14	Depreciation	\$575,652	\$568,522	\$7,130
15	Amortizations	\$8,920	\$24,140	(\$15,220)
	Taxes:			
16	Property	\$172,755	\$198,796	(\$26,041)
17	Deferred Income Tax & ITC	(59,719)	(2,106)	(57,613)
18	Federal & State Income Tax	96,894	19,539	77,356
19	Payroll & Other	27,219	29,896	(2,677)
20	<b>Total Taxes</b>	<b>\$237,149</b>	<b>\$246,124</b>	<b>(\$8,975)</b>
21	<b>Total Expenses</b>	<b>\$3,148,887</b>	<b>\$3,380,530</b>	<b>(\$231,643)</b>
22	<b>Operating Income</b>	<b>\$522,988</b>	<b>\$496,130</b>	<b>\$26,858</b>
23	AFUDC	\$26,899	\$27,894	(\$994)
24	<b>Total Operating Income</b>	<b>\$549,887</b>	<b>\$524,024</b>	<b>\$25,864</b>

Note: Revenues reflect calendar month sales, and 2019 data is not weather normalized.

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

(2) 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.

(3) Includes CIP/DSM Program Costs.



**COMPARISON OF THE 2019 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 2019 to the most recent test year (the 2019 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 an increase of \$26 million.

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

Actual 2019 Total Operating Revenues decreased by approximately \$205 million when compared to the level approved in the 2019 test year. Retail Electric Revenues decreased by approximately \$187 million. Other Operating Revenue decreased by \$18 million.

Actual 2019 Fuel and Purchased Energy costs decreased by \$120 million compared to the 2019 test year approved in the last General Rate Order. The changes in the other various cost functions are: Power Production expenses decreased by \$106 million, Transmission expenses decreased by approximately \$2 million and Distribution expenses decreased by approximately \$4 million. The Customer Accounting, Sales and Economic Development, and Administrative and General expenses had a combined decrease of approximately \$26 million. These decreases are offset by a \$45 million increase in the Customer Services and Information cost function which is primarily due to CIP activity. CIP expense increases have a corresponding increase in CIP revenues and are earnings neutral.

Depreciation expense increased by approximately \$7 million and Amortizations decreased by approximately \$15 million related to the various regulatory adjustments classified as amortizations in 2019 Actuals.

Property Taxes decreased \$26 million between the two periods. Payroll and other taxes were down roughly \$3 million between the two periods.

The combination of Deferred Income Taxes and Current Income Taxes increased approximately \$20 million.

Actual Allowance for Funds Used During Construction decreased approximately \$1 million compared to the 2019 test year.

The changes described above help to account for the \$26 million increase in utility operating income between the two periods.

**Northern States Power Company**  
**Electric Utility - State of Minnesota**  
**COMPARISON OF 2019 ACTUAL TO LAST APPROVED PRESENT RATES**  
**SUMMARY OF REVENUE REQUIREMENTS**  
**(\$000's)**

**Docket No. E002/GR-20-723**  
**Schedule E**  
**Part 3 of 3**  
**Page 1 of 1**

<b>Line No.</b>	<b>Description</b>	<b>Actual 2019 Adjusted (1) (B)</b>	<b>General Rate Case Approved E,G999/CI-17-895 (2) (A)</b>	<b>Change (C) = (A) - (B)</b>
1	Average Rate Base	\$7,633,608	\$7,401,465	\$232,143
2	Required Rate of Return	6.86%	7.08%	0.22%
3	Operating Income Requirement (Line 1 x Line 2)	\$523,666	\$524,024	(\$358)
4	Operating Income Under Present Rates	\$549,887	\$524,024	\$25,864
5	Operating Income Deficiency (Line 3 - Line 4)	(\$26,222)	\$0	(\$26,222)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0.00000
7	Revenue Deficiency (Line 5 x Line 6)	(\$36,799)	\$0	(\$36,799)

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

(2) 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, a Minnesota corporation  
Electric Utility - State of Minnesota  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2021 INTERIM RATES**  
**DETAILED RATE BASE COMPONENTS**  
(\$000's)

Docket No. E002/GR-20-723  
Schedule F  
Part 1 of 3  
Page 1 of 1

Line No.	Description	2022 Interim Rate Petition Present Rate (A)	2021 Interim Rate Petition Present Rate (B)	Change (C) = (A) - (B)
	Electric Plant as Booked			
1	Production	\$10,870,843	\$10,664,242	\$206,600
2	Transmission	2,687,426	2,539,393	148,033
3	Distribution	4,371,330	4,087,440	283,890
4	General	1,052,144	976,294	75,850
5	Common	985,381	844,744	140,637
6	TOTAL Utility Plant in Service	\$19,967,124	\$19,112,114	\$855,009
	Reserve for Depreciation			
7	Production	\$6,966,948	\$6,638,817	\$328,131
8	Transmission	705,630	665,357	40,273
9	Distribution	1,569,135	1,495,839	73,296
10	General	572,688	509,442	63,246
11	Common	463,727	388,340	75,388
12	TOTAL Reserve for Depreciation	\$10,278,128	\$9,697,794	\$580,334
	Net Utility Plant in Service			
13	Production	\$3,903,894	\$4,025,425	(\$121,531)
14	Transmission	1,981,796	1,874,036	107,760
15	Distribution	2,802,195	2,591,601	210,594
16	General	479,457	466,852	12,604
17	Common	521,654	456,404	65,249
18	Net Utility Plant in Service	\$9,688,995	\$9,414,319	\$274,676
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$415,715	\$391,873	\$23,842
21	Less: Accumulated Deferred Income Taxes	\$1,686,472	\$1,878,688	(\$192,216)
22	Cash Working Capital	(\$154,887)	(\$144,132)	(\$10,755)
	Other Rate Base Items:			
23	Materials and Supplies	\$152,207	\$152,207	\$0
24	Fuel Inventory	84,026	84,026	0
25	Non-Plant Assets & Liabilities	92,040	73,977	18,063
26	Prepayments and other Working Capital	105,363	111,770	(6,407)
27	Total Other Rate Base Items	\$433,635	\$421,980	\$11,656
28	Total Average Rate Base	\$8,696,988	\$8,205,352	\$491,636

Northern States Power Company, a Minnesota corporation  
Electric Utility - State of Minnesota  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2021 INTERIM RATES**  
**STATEMENT OF OPERATING INCOME**  
(\$000's)

Docket No. E002/GR-20-723  
Schedule F  
Part 2 of 3  
Page 1 of 1

Line No.	Description	2022 Interim Rate Petition Present Rate (A)	2021 Interim Rate Petition Present Rate (B)	Change (C) = (A) - (B)
<b><u>Operating Revenues</u></b>				
1	Retail	\$2,916,626	\$2,913,897	\$2,730
2	Interdepartmental	456	456	0
3	Other Operating	561,248	543,661	17,587
4	<b>Total Operating Revenues</b>	<b>\$3,478,330</b>	<b>\$3,458,014</b>	<b>\$20,316</b>
<b><u>Expenses</u></b>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$919,838	\$919,984	(\$146)
6	Power Production	615,264	613,203	2,061
7	Transmission	268,540	256,862	11,678
8	Distribution	130,422	124,929	5,492
9	Customer Accounting	52,401	58,738	(6,337)
10	Customer Service & Information	128,545	128,469	76
11	Administrative & General	284	282	2
12	Sales, Econ Dvlp & Other	225,906	216,270	9,637
13	<b>Total Operating Expenses</b>	<b>\$2,341,199</b>	<b>\$2,318,737</b>	<b>\$22,462</b>
14	Depreciation	\$692,508	\$651,676	\$40,832
15	Amortizations	\$43,826	\$47,290	(\$3,464)
Taxes:				
16	Property	\$183,385	\$173,928	\$9,458
17	Deferred Income Tax & ITC	(196,060)	(196,085)	25
18	Federal & State Income Tax	112,192	129,387	(17,195)
19	Payroll & Other	28,047	27,796	251
20	<b>Total Taxes</b>	<b>\$127,564</b>	<b>\$135,025</b>	<b>(\$7,461)</b>
21	<b>Total Expenses</b>	<b>\$3,205,097</b>	<b>\$3,152,728</b>	<b>\$52,369</b>
22	<b>Operating Income</b>	<b>\$273,233</b>	<b>\$305,286</b>	<b>(\$32,053)</b>
23	AFUDC	\$25,032	\$28,468	(3,437)
24	<b>Total Operating Income</b>	<b>\$298,265</b>	<b>\$333,755</b>	<b>(\$35,490)</b>

Northern States Power Company, a Minnesota corporation  
Electric Utility - State of Minnesota  
**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2021 INTERIM RATES**  
**SUMMARY OF REVENUE REQUIREMENTS**  
(\$000's)

Docket No. E002/GR-20-723  
Schedule F  
Part 3 of 3  
Page 1 of 1

Line No.	Description	2022 Interim Rate Petition Present Rate (A)	2021 Interim Rate Petition Present Rate (B)	Change (C) = (A) - (B)
1	Average Rate Base	\$8,696,988	\$8,205,352	\$491,636
2	Required Rate of Return	6.75%	6.75%	0.00%
3	Operating Income Requirement (Line 1 x Line 2)	\$587,047	\$553,861	\$33,185
4	Operating Income Under Present Rates	\$298,265	\$333,755	(\$35,490)
5	Operating Income Deficiency (Line 3 - Line 4)	\$288,782	\$220,107	\$68,675
6	Gross Revenue Conversion Factor	1.40335	1.40335	-
7	Revenue Deficiency (Line 5 x Line 6)	\$405,263	\$308,887	\$96,376

Retail Revenues <sup>(1)</sup>	\$ 3,064,187
Interdepartmental Revenues <sup>(2)</sup>	\$ 456
Retail Related Revenues <sup>(3)</sup>	\$ 3,064,643
less TCR Rider <sup>(4)</sup>	\$ (85,548)
less RES Rider <sup>(4)</sup>	\$ (64,742)
Interim Retail Related Revenues <sup>(5)</sup>	\$ 2,914,353
less CIP Rider Surcharge Adjustment <sup>(6)</sup>	\$ (43,570)
less RDF Rider <sup>(6)</sup>	\$ (37,458)
Revenue Net of All Rider Adjustments	\$ 2,833,324
less Fuel Cost Revenues	\$ (749,743)
Total Base Rate Revenues for Interim	\$ 2,083,581
Interim Revenue Deficiency <sup>(7)</sup>	\$ 308,887
Total Interim Retail Related Revenue % Increase	10.60%
Total Interim Base Revenue % Increase	14.82%

(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 <sup>(1)</sup>	\$ 3,053,378
Interdepartmental Revenues <sup>(2)</sup>	\$ 456
Retail Related Revenues <sup>(3)</sup>	\$ 3,053,834
less TCR Rider <sup>(4)</sup>	\$ (83,365)
less RES Rider <sup>(4)</sup>	\$ (53,387)
Interim Retail Related Revenues <sup>(5)</sup>	\$ 2,917,082
less CIP Rider Surcharge Adjustment <sup>(6)</sup>	\$ (43,136)
less RDF Rider <sup>(6)</sup>	\$ (33,994)
Revenue Net of All Rider Adjustments	\$ 2,839,953
less Fuel Cost Revenues	\$ (749,743)
Total Base Rate Revenues for Interim	\$ 2,090,209
Interim Revenue Deficiency <sup>(7)</sup>	\$ 405,263
Total Interim Retail Related Revenue % Increase	13.89%
Total Interim Base Revenue % Increase	19.39%

(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 14.82%

## 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
<b>Residential</b>												
Residential	1,170,990	3,244,162	5,296,832	8,540,994	347,694	399,223	539,170	619,075	886,864	1,018,297	131,433	14.82%
Residential TOD	771	2,687	5,867	8,555	286	328	500	574	786	902	116	14.82%
Residential EV	1,270	17,607	34,476	52,083	2,297	2,637	3,753	4,309	6,050	6,946	897	14.82%
Load Management	3,561	9,664	35,593	45,257	557	640	1,745	2,003	2,302	2,643	341	14.82%
<b>Res Total</b>	<b>1,176,591</b>	<b>3,274,121</b>	<b>5,372,768</b>	<b>8,646,889</b>	<b>350,834</b>	<b>402,828</b>	<b>545,167</b>	<b>625,961</b>	<b>896,001</b>	<b>1,028,789</b>	<b>132,787</b>	<b>14.82%</b>
<b>C&amp;I - Non-Demand</b>												
Small General	74,096	233,506	463,993	697,499	24,075	27,643	42,385	48,667	66,461	76,310	9,849	14.82%
Small General TOD	10,935	23,370	53,185	76,555	2,277	2,614	4,497	5,163	6,774	7,777	1,004	14.82%
Load Management	194	574	3,164	3,738	44	51	185	212	229	263	34	14.82%
<b>C&amp;I N-D Total</b>	<b>85,226</b>	<b>257,450</b>	<b>520,341</b>	<b>777,792</b>	<b>26,396</b>	<b>30,308</b>	<b>47,066</b>	<b>54,042</b>	<b>73,463</b>	<b>84,350</b>	<b>10,887</b>	<b>14.82%</b>
<b>C&amp;I - Demand</b>												
General	41,661	2,587,265	4,617,468	7,204,733	208,811	239,757	311,483	357,644	520,294	597,402	77,108	14.82%
General TOD	4,721	2,485,517	4,398,113	6,883,630	148,778	170,827	219,478	252,005	368,257	422,832	54,576	14.82%
Light Rail	16	6,768	16,004	22,772	452	519	943	1,082	1,394	1,601	207	14.82%
Peak-Controlled	1,366	373,732	704,888	1,078,620	27,377	31,434	45,522	52,268	72,899	83,702	10,804	14.82%
Peak-Controlled TO	339	825,265	1,490,149	2,315,413	42,046	48,277	69,615	79,932	111,662	128,210	16,548	14.82%
Energy-Controlled	13	83,109	159,058	242,167	2,902	3,332	5,352	6,145	8,254	9,477	1,223	14.82%
Real Time Pricing	3	7,426	14,973	22,399	470	539	751	863	1,221	1,402	181	14.82%
<b>C&amp;I Dmd Total</b>	<b>48,119</b>	<b>6,369,081</b>	<b>11,400,653</b>	<b>17,769,734</b>	<b>430,836</b>	<b>494,686</b>	<b>653,144</b>	<b>749,940</b>	<b>1,083,980</b>	<b>1,244,626</b>	<b>160,646</b>	<b>14.82%</b>
<b>C&amp;I Total</b>	<b>133,345</b>	<b>6,626,532</b>	<b>11,920,994</b>	<b>18,547,526</b>	<b>457,232</b>	<b>524,994</b>	<b>700,211</b>	<b>803,982</b>	<b>1,157,443</b>	<b>1,328,976</b>	<b>171,533</b>	<b>14.82%</b>
<b>Public Authorities</b>												
Small Mun Pumping	896	2,057	4,358	6,415	229	263	415	477	644	740	95	14.82%
Municipal Pumping	579	23,248	33,133	56,381	2,193	2,518	2,730	3,134	4,923	5,652	730	14.82%
Siren Service	0	0	0	0	12	13	23	27	35	40	5	14.82%
<b>PA Total</b>	<b>1,475</b>	<b>25,305</b>	<b>37,491</b>	<b>62,796</b>	<b>2,434</b>	<b>2,794</b>	<b>3,168</b>	<b>3,638</b>	<b>5,602</b>	<b>6,432</b>	<b>830</b>	<b>14.82%</b>
<b>Lighting</b>												
System Service	0	7,390	24,877	32,267	5,772	6,628	11,544	13,255	17,316	19,883	2,566	14.82%
Energy	0	5,712	19,228	24,940	454	521	908	1,043	1,362	1,564	202	14.82%
Metered Energy	2,824	8,060	27,133	35,192	422	484	1,343	1,542	1,765	2,027	262	14.82%
Protective Lighting	0	7,261	20,621	27,882	1,212	1,391	2,423	2,782	3,635	4,173	539	14.82%
<b>Lighting Total</b>	<b>2,824</b>	<b>28,422</b>	<b>91,859</b>	<b>120,281</b>	<b>7,860</b>	<b>9,025</b>	<b>16,219</b>	<b>18,622</b>	<b>24,079</b>	<b>27,647</b>	<b>3,568</b>	<b>14.82%</b>
<b>Total Retail</b>	<b>1,314,234</b>	<b>9,954,380</b>	<b>17,423,112</b>	<b>27,377,491</b>	<b>818,360</b>	<b>939,641</b>	<b>1,264,765</b>	<b>1,452,203</b>	<b>2,083,125</b>	<b>2,391,844</b>	<b>308,719</b>	<b>14.82%</b>
Other Rev Increase					0	0	0	0	0	0	0	
Interdept. Increase					0	32	0	35	0	68	68	
<b>Total Revenue</b>	<b>1,314,234</b>	<b>9,954,380</b>	<b>17,423,112</b>	<b>27,377,491</b>	<b>818,360</b>	<b>939,673</b>	<b>1,264,765</b>	<b>1,452,238</b>	<b>2,083,125</b>	<b>2,391,912</b>	<b>308,787</b>	<b>14.82%</b>
Interdepartmental	5	3,028	3,530	6,558	219	219	237	237	456	456	0	0.00%
<b>Retail Related Rev</b>	<b>1,314,239</b>	<b>9,957,408</b>	<b>17,426,641</b>	<b>27,384,049</b>	<b>818,579</b>	<b>939,892</b>	<b>1,265,002</b>	<b>1,452,476</b>	<b>2,083,581</b>	<b>2,392,368</b>	<b>308,787</b>	<b>14.82%</b>

Total Increase Target and Rounding Difference:

308,887 -100

Interim Rate Adj 19.39%

## 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
<b>Residential</b>												
Residential	1,180,006	3,203,821	5,230,857	8,434,678	344,272	411,026	533,937	637,467	878,209	1,048,494	170,285	19.39%
Residential TOD	777	2,658	5,810	8,468	284	339	496	592	779	930	151	19.39%
Residential EV	1,651	22,167	43,271	65,438	2,234	2,667	3,750	4,477	5,984	7,144	1,160	19.39%
Load Management	3,627	9,682	35,754	45,436	559	668	1,754	2,095	2,314	2,762	449	19.39%
<b>Res Total</b>	<b>1,186,060</b>	<b>3,238,327</b>	<b>5,315,692</b>	<b>8,554,019</b>	<b>347,349</b>	<b>414,700</b>	<b>539,937</b>	<b>644,631</b>	<b>887,286</b>	<b>1,059,331</b>	<b>172,045</b>	<b>19.39%</b>
<b>C&amp;I - Non-Demand</b>												
Small General	74,154	238,342	471,261	709,603	24,533	29,290	42,946	51,273	67,479	80,564	13,084	19.39%
Small General TOD	10,944	23,877	54,039	77,916	2,318	2,768	4,554	5,436	6,872	8,204	1,332	19.39%
Load Management	194	586	3,226	3,812	45	54	188	224	233	278	45	19.39%
<b>C&amp;I N-D Total</b>	<b>85,292</b>	<b>262,805</b>	<b>528,526</b>	<b>791,331</b>	<b>26,896</b>	<b>32,111</b>	<b>47,687</b>	<b>56,934</b>	<b>74,584</b>	<b>89,046</b>	<b>14,462</b>	<b>19.39%</b>
<b>C&amp;I - Demand</b>												
General	41,693	2,640,145	4,685,109	7,325,254	212,995	254,295	315,815	377,051	528,810	631,346	102,536	19.39%
General TOD	4,723	2,515,641	4,433,855	6,949,496	150,784	180,021	221,048	263,910	371,832	443,930	72,098	19.39%
Light Rail	16	6,910	16,268	23,178	461	550	958	1,144	1,419	1,694	275	19.39%
Peak-Controlled	1,367	381,046	714,752	1,095,798	27,883	33,290	46,132	55,077	74,015	88,367	14,352	19.39%
Peak-Controlled TO	339	833,243	1,501,581	2,334,824	42,455	50,687	70,150	83,752	112,605	134,439	21,834	19.39%
Energy-Controlled	13	84,165	160,802	244,967	2,944	3,515	5,421	6,472	8,365	9,988	1,622	19.39%
Real Time Pricing	3	7,475	15,061	22,536	473	564	756	902	1,228	1,467	238	19.39%
<b>C&amp;I Dmd Total</b>	<b>48,155</b>	<b>6,468,626</b>	<b>11,527,428</b>	<b>17,996,054</b>	<b>437,995</b>	<b>522,922</b>	<b>660,280</b>	<b>788,308</b>	<b>1,098,275</b>	<b>1,311,230</b>	<b>212,955</b>	<b>19.39%</b>
<b>C&amp;I Total</b>	<b>133,446</b>	<b>6,731,431</b>	<b>12,055,954</b>	<b>18,787,385</b>	<b>464,891</b>	<b>555,034</b>	<b>707,967</b>	<b>845,242</b>	<b>1,172,859</b>	<b>1,400,276</b>	<b>227,417</b>	<b>19.39%</b>
<b>Public Authorities</b>												
Small Mun Pumping	899	2,029	4,229	6,258	227	271	406	484	632	755	123	19.39%
Municipal Pumping	580	22,978	32,228	55,206	2,168	2,589	2,659	3,174	4,827	5,763	936	19.39%
Siren Service	0	0	0	0	12	14	23	28	35	41	7	19.39%
<b>PA Total</b>	<b>1,478</b>	<b>25,007</b>	<b>36,457</b>	<b>61,464</b>	<b>2,407</b>	<b>2,873</b>	<b>3,087</b>	<b>3,686</b>	<b>5,494</b>	<b>6,559</b>	<b>1,065</b>	<b>19.39%</b>
<b>Lighting</b>												
System Service	0	7,419	24,848	32,267	5,772	6,891	11,544	13,783	17,316	20,674	3,358	19.39%
Energy	0	5,735	19,205	24,940	454	542	908	1,084	1,362	1,627	264	19.39%
Metered Energy	2,824	8,275	27,712	35,987	432	515	1,369	1,635	1,801	2,150	349	19.39%
Protective Lighting	0	7,354	20,779	28,133	1,212	1,447	2,423	2,893	3,635	4,340	705	19.39%
<b>Lighting Total</b>	<b>2,824</b>	<b>28,783</b>	<b>92,544</b>	<b>121,327</b>	<b>7,869</b>	<b>9,395</b>	<b>16,245</b>	<b>19,395</b>	<b>24,115</b>	<b>28,790</b>	<b>4,676</b>	<b>19.39%</b>
<b>Total Retail</b>	<b>1,323,808</b>	<b>10,023,548</b>	<b>17,500,647</b>	<b>27,524,195</b>	<b>822,516</b>	<b>982,002</b>	<b>1,267,237</b>	<b>1,512,954</b>	<b>2,089,753</b>	<b>2,494,956</b>	<b>405,203</b>	<b>19.39%</b>
Other Rev Increase					0	0	0	0	0	0	0	
Interdept. Increase					0	42	0	46	0	88	88	
<b>Total Revenue</b>	<b>1,323,808</b>	<b>10,023,548</b>	<b>17,500,647</b>	<b>27,524,195</b>	<b>822,516</b>	<b>982,045</b>	<b>1,267,237</b>	<b>1,513,000</b>	<b>2,089,753</b>	<b>2,495,045</b>	<b>405,292</b>	<b>19.39%</b>
Interdepartmental	5	3,028	3,530	6,558	219	219	237	237	456	456	0	0.00%
<b>Retail Related Rev</b>	<b>1,323,813</b>	<b>10,026,577</b>	<b>17,504,176</b>	<b>27,530,753</b>	<b>822,735</b>	<b>982,263</b>	<b>1,267,474</b>	<b>1,513,237</b>	<b>2,090,209</b>	<b>2,495,501</b>	<b>405,292</b>	<b>19.39%</b>

Total Increase Target and Rounding Difference:

405,263

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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. 5-51, revision 10  
Sheet No. 5-52, revision 10  
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 6

**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:	<del>05-19-16</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>06-01-18</del>
		President, Northern States Power Company, a Minnesota corporation		
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**RESIDENTIAL SERVICE**  
**RATE CODE A00, A01, A03**

Section No. 5  
~~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
Other Months	\$0.08803	\$0.05988

**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

(Continued on Sheet No. 5-1.1)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**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
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 14.82% 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.

(Continued on Sheet No. 5-3)

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Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**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 14.82% 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:	<del>03-15-19</del> <u>11-02-20</u>	By:	Christopher B. Clark	Effective Date:	<del>06-01-19</del>
			President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>			Order Date:	<del>05-10-19</del>



**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
Off-Peak Period Energy Charge per kWh	\$0.04170

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**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

(Continued on Sheet No. 5-6)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE**  
**RATE CODE A80, A81**

Section No. 5  
~~5th~~<sup>6th</sup> 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 14.82% 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.

(Continued on Sheet No. 5-8)

Date Filed:	<del>03-15-19</del> <sup>11-02-20</sup>	By: Christopher B. Clark	Effective Date:	<del>06-01-19</del>
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	<del>E, G999/CI-17-895</del> <sup>E002/GR-20-723</sup>		Order Date:	<del>05-10-19</del>

**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 14.82% 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~~ 11-02-20

By: Christopher B. Clark

Effective Date: ~~10-07-19~~

President, Northern States Power Company, a Minnesota Corporation

Docket No. E002/~~M-19-186~~ GR-20-723

Order Date: ~~10-07-19~~

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

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

Section No. 5  
~~30th~~<sup>31st</sup> 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 14.82% 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)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <sup>E002/GR-20-723</sup>		Order Date:	<del>05-10-19</del>

**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 &amp; 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 14.82% 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)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**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>	<u>(Lumens)</u>	<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 14.82% 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)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ <del>M-18-729</del> <u>GR-20-723</u>		Order Date:	<del>05-10-19</del>

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

**SMALL GENERAL SERVICE**  
**RATE CODE A09, A10, A11, A13**

Section No. 5  
~~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
Other Months	\$0.07757

Demand Charge (Direct Current Only)  
per Month per kW of Connected Load

\$3.61

**INTERIM RATE ADJUSTMENT**

A 14.82% 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. 5-22)

Date Filed: ~~03-15-19~~11-02-20

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-20-723

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	<del>R</del>
Off Peak Period (A12)	\$0.04170	\$0.04170	<del>R</del>
Constant Hourly (A16, A18, A22) (= 35% On, 65% Off)	\$0.06814	\$0.07919	<del>R</del>

**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

**MONTHLY MINIMUM CHARGE**

Customer Charge.

(Continued on Sheet No. 5-24)

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Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>



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

**GENERAL SERVICE  
RATE CODE A14**

Section No. 5  
~~34th~~<sup>32nd</sup> 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

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**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

(Continued on Sheet No. 5-27)

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Docket No.	<del>E, G999/CI-17-895</del> <sup>E002/GR-20-723</sup>		Order Date:	<del>05-10-19</del>

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

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

Section No. 5  
~~27th~~<sup>28th</sup> 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 14.82% 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)

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Docket No.	<del>E-G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

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

**PEAK CONTROLLED SERVICE (Continued)**  
**RATE CODE A23**

Section No. 5  
~~48th~~<sup>19th</sup> Revised Sheet No. 41

**INTERIM RATE ADJUSTMENT**

A 14.82% 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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President, Northern States Power Company, a Minnesota corporation

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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	Tier 1	Tier 2
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
	January - December	
Voltage Discounts per Month	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

**SURCHARGE**

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

(Continued on Sheet No. 5-46)

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Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>			Order Date:	<del>05-10-19</del>

Minneapolis, Minnesota 55401

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2****ELECTRIC VEHICLE FLEET PILOT SERVICE**

Section No. 5

RATE CODE A87, A88, A89

~~9th~~10th Revised Sheet No. 51**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying ownership or lease of a minimum of five electric vehicles as defined in Section 169.011, subdivision 26a of Minnesota law.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Fleet Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

(Continued on Sheet No. 5-51.1)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ <del>M-18-643</del> <u>GR-20-723</u>		Order Date:	<del>07-17-19</del>

Minneapolis, Minnesota 55401

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

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**ELECTRIC VEHICLE FLEET PILOT SERVICE**  
**RATE CODE A87, A88, A89**

Section No. 5  
~~9th~~10th Revised Sheet No. 51

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**INTERIM RATE ADJUSTMENT**

A 14.82% 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. 5-51.1)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ <del>M-18-643</del> <u>GR-20-723</u>		Order Date:	<del>07-17-19</del>

**ELECTRIC VEHICLE PUBLIC CHARGING PILOT  
SERVICE  
RATE CODE A90**

Section No. 5  
~~9th~~10th Revised Sheet No. 52

**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage for the express purpose of providing public charging service to electric vehicles.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Public Charging Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

**INTERIM RATE ADJUSTMENT**

A 14.82% 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. 5-52.1)

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**REAL TIME PRICING SERVICE (Continued)**  
**RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)**

Section No. 5  
~~22nd~~23rd Revised Sheet No. 65

**INTERIM RATE ADJUSTMENT**

A 14.82% 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)

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By: Christopher B. Clark

Effective Date: ~~10-01-17~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~15-826~~20-723

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	Oct-May \$4.41	Jun-Sep \$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 14.82% 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:	<del>03-15-19</del> 11-02-20	By: Christopher B. Clark	Effective Date:	<del>06-01-19</del>
		President, Northern States Power Company, a Minnesota corporation		
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**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 14.82% 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)

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**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>	<u>(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 14.82% 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. 5-77)

Date Filed:	<del>11-24-18</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>07-09-19</del>
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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

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**INTERIM RATE ADJUSTMENT**

A 14.82% 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~~11-02-20

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

~~895~~E002/GR-20-723

**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 14.82% 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)

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**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 14.82% 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)

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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>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00105	

**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

(Continued on Sheet No. 5-88)

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Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**FIRE AND CIVIL DEFENSE SIREN SERVICE**  
**RATE CODE A42**

Section No. 5  
~~44th~~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 14.82% 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

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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.

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895E002/GR-20-723

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



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

**INTERIM RATE SURCHARGE RIDER**

Section No. 5  
~~12th~~<sup>13th</sup> 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
16. Voluntary Renewable\*Connect Rider

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 14.82% 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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Date Filed: ~~11-02-20~~<sup>11-02-20</sup>

By: Christopher B. Clark

Effective Date: ~~10-01-17~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~45-826~~<sup>20-723</sup>

Order Date: ~~06-12-17~~

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**OFF SEASON LOAD RIDER**

Section No. 5

~~5th~~<sup>6th</sup> Revised Sheet No. 100

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**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 14.82% 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.

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Docket No. E002/GR-~~15-826~~20-723

Order Date: ~~06-12-17~~

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

**PHOTOVOLTAIC DEMAND CREDIT RIDER**  
**RATE CODE A85 (CLOSED)**  
**RATE CODE A86**

Section No. 5  
~~5th~~6th 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) were receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider was originally approved by the Commission, or 2) have enrolled by submitting to the Company a complete interconnection application for a planned qualifying generation source before February 14, 2020. The closed rate will expire April 20, 2027. 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) \$0.071390

Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) \$0.069648

**INTERIM RATE ADJUSTMENT**

A 14.82% 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: ~~40-19-18~~11-02-20

By: Christopher B. Clark

Effective Date: ~~02-14-20~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/~~M-13-315 & E-999/CI-15-115~~GR-20-723

Order Date: ~~02-14-20~~

# **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  
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**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 14.82% 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)

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**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 14.82% 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)

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**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 14.82% 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)

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N  
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**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

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**RESIDENTIAL ELECTRIC VEHICLE SERVICE  
RATE CODE A08**

Section No. 5  
20th Revised Sheet No. 5

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**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
Off-Peak Period Energy Charge per kWh	\$0.04170

**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

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(Continued on Sheet No. 5-6)

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**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 14.82% 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)

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**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION**  
**PILOT SERVICE (Continued)**  
**RATE CODE A82, A83**

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Section No. 5  
1st Revised Sheet No. 8.2

**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 14.82% 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.

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(Continued on Sheet No. 5-8.3)

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**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 14.82% 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)

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**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 &amp; 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 14.82% 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.

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**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>	<u>(Lumens)</u>	<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 14.82% 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.

**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)

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

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**SMALL GENERAL SERVICE  
RATE CODE A09, A10, A11, A13**

Section No. 5  
32nd Revised Sheet No. 21

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**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
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**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

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(Continued on Sheet No. 5-22)

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**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 14.82% 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.

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(Continued on Sheet No. 5-24)

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**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 14.82% 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)

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**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 14.82% 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)

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

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**PEAK CONTROLLED SERVICE (Continued)**  
**RATE CODE A23**

Section No. 5  
19th Revised Sheet No. 41

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**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

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(Continued on Sheet No. 5-42)

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

**PEAK CONTROLLED TIME OF DAY SERVICE  
(Continued)  
RATE CODE A24**

Section No. 5  
26th Revised Sheet No. 45

**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
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: $\geq$ 65% and < 85% PF	\$7.15	\$7.86
Level C: $\geq$ 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 14.82% 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)

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**ELECTRIC VEHICLE FLEET PILOT SERVICE**  
**RATE CODE A87, A88, A89**

Section No. 5  
10th Revised Sheet No. 51

**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying ownership or lease of a minimum of five electric vehicles as defined in Section 169.011, subdivision 26a of Minnesota law.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Fleet Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

**INTERIM RATE ADJUSTMENT**

A 14.82% 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. 5-51.1)

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**ELECTRIC VEHICLE PUBLIC CHARGING PILOT  
SERVICE  
RATE CODE A90**

Section No. 5  
10th Revised Sheet No. 52

**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage for the express purpose of providing public charging service to electric vehicles.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Public Charging Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

**INTERIM RATE ADJUSTMENT**

A 14.82% 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. 5-52.1)

Date Filed: 11-02-20 By: Christopher B. Clark Effective Date:  
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N  
N  
N

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

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**REAL TIME PRICING SERVICE (Continued)**  
**RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)**

Section No. 5  
23rd Revised Sheet No. 65

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**INTERIM RATE ADJUSTMENT**

A 14.82% 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.

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(Continued on Sheet No. 5-65.1)

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

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**LIGHT RAIL LINE TARIFF  
RATE CODE A29**

Section No. 5  
18th Revised Sheet No. 71

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**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	<u>Oct-May</u>	<u>Jun-Sep</u>
Rail Line On Peak Coincident Billing Demand	\$4.41	\$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 14.82% 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.

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(Continued on Sheet No. 5-72)

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**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**

		Monthly Rate Per Luminaire			
		Standard Service			Pre-Pay
Designation of Lamp	(Lumens)	Overhead	Underground	Decorative	Option
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 14.82% 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)

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**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>	<u>(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 14.82% 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. 5-77)

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**STREET LIGHTING ENERGY SERVICE - METERED  
RATE CODE A34**

Section No. 5  
30th Revised Sheet No. 78

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**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 14.82% 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.

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(Continued on Sheet No. 78.1)

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

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**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 14.82% 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.

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(Continued on Sheet No. 5-81)

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

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**SMALL MUNICIPAL PUMPING SERVICE  
RATE CODE A40**

Section No. 5  
31st Revised Sheet No. 85

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**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 14.82% 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.

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(Continued on Sheet No. 5-86)

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

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**MUNICIPAL PUMPING SERVICE  
RATE CODE A41**

Section No. 5  
32nd Revised Sheet No. 87

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**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 14.82% 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.

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(Continued on Sheet No. 5-88)

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

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**FIRE AND CIVIL DEFENSE SIREN SERVICE  
RATE CODE A42**

Section No. 5  
15th Revised Sheet No. 89

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**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 14.82% 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.

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

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**INTERIM RATE SURCHARGE RIDER**

Section No. 5  
13th Revised Sheet No. 94

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**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
16. Voluntary Renewable\*Connect Rider

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 14.82% 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

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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 14.82% 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

**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.

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

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**PHOTOVOLTAIC DEMAND CREDIT RIDER**  
**RATE CODE A85 (CLOSED)**  
**RATE CODE A86**

Section No. 5  
6th Revised Sheet No. 125

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**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) were receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider was originally approved by the Commission, or 2) have enrolled by submitting to the Company a complete interconnection application for a planned qualifying generation source before February 14, 2020. The closed rate will expire April 20, 2027. 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) \$0.071390

Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) \$0.069648

**INTERIM RATE ADJUSTMENT**

A 14.82% 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

**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.
  4. For Solar Photovoltaic generation, this Rider supersedes other Standby Service tariff provisions.
- 

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# **2022 Interim Tariffs Redline**

**2022 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. 5-51, revision 10  
Sheet No. 5-52, revision 10  
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 6

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

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N

N

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**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
Other Months	\$0.08803	\$0.05988

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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

**RESIDENTIAL TIME OF DAY SERVICE**  
**RATE CODE A02, A04**

Section No. 5  
~~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
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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**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

Off-Peak Period Energy Charge per kWh \$0.04170

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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President, Northern States Power Company, a Minnesota corporation

Docket No. ~~E, G999/CI-17-895~~  
E002/GR-20-723

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

**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
---------------------------------------	-----------

**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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

(Continued on Sheet No. 5-8)

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Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

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**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION**

Section No. 5

**PILOT SERVICE (Continued)**

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

**RATE CODE A82, A83**

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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President, Northern States Power Company, a Minnesota Corporation

Docket No. E002/~~M-19-186~~ GR-20-723

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

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

Section No. 5  
~~30th~~<sup>31st</sup> 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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <sup>E002/GR-20-723</sup>		Order Date:	<del>05-10-19</del>

**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 &amp; 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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**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>	<u>(Lumens)</u>	<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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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Docket No.	E002/ <del>M-18-729</del> <u>GR-20-723</u>		Order Date:	<del>05-10-19</del>

**SMALL GENERAL SERVICE**  
**RATE CODE A09, A10, A11, A13**

Section No. 5  
~~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
Other Months	\$0.07757

Demand Charge (Direct Current Only)  
per Month per kW of Connected Load

\$3.61

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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E002/GR-20-723

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	<del>R</del>
Off Peak Period (A12)	\$0.04170	\$0.04170	<del>R</del>
Constant Hourly (A16, A18, A22) (= 35% On, 65% Off)	\$0.06814	\$0.07919	<del>R</del>

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

~~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)

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**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	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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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

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

Section No. 5  
~~27th~~<sup>28th</sup> 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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N  
N  
N

(Continued on Sheet No. 5-30)

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Docket No.	<del>E-G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

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

**PEAK CONTROLLED SERVICE (Continued)**  
**RATE CODE A23**

Section No. 5  
~~48th~~19th Revised Sheet No. 41

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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**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	Tier 1	Tier 2	
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	
	January - December		
Voltage Discounts per Month	Per kW	Per kWh	
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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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:	<del>03-15-19</del> <u>11-02-20</u>	By:	Christopher B. Clark	Effective Date:	<del>06-01-19</del>
			President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>			Order Date:	<del>05-10-19</del>

Minneapolis, Minnesota 55401

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2****ELECTRIC VEHICLE FLEET PILOT SERVICE**

Section No. 5

RATE CODE A87, A88, A89

~~9th~~10th Revised Sheet No. 51**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying ownership or lease of a minimum of five electric vehicles as defined in Section 169.011, subdivision 26a of Minnesota law.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Fleet Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

(Continued on Sheet No. 5-51.1)

Date Filed:	<del>10-12-18</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>07-17-19</del>
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ <del>M-18-643</del> <u>GR-20-723</u>		Order Date:	<del>07-17-19</del>

Minneapolis, Minnesota 55401

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

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**ELECTRIC VEHICLE FLEET PILOT SERVICE**  
**RATE CODE A87, A88, A89**

Section No. 5  
~~9th~~10th Revised Sheet No. 51

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**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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(Continued on Sheet No. 5-51.1)

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Date Filed:	<del>10-12-18</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>07-17-19</del>
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ <del>M-18-643</del> <u>GR-20-723</u>		Order Date:	<del>07-17-19</del>

**ELECTRIC VEHICLE PUBLIC CHARGING PILOT  
SERVICE  
RATE CODE A90**

Section No. 5  
~~9th~~10th Revised Sheet No. 52

**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage for the express purpose of providing public charging service to electric vehicles.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Public Charging Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

(Continued on Sheet No. 5-52.1)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ <del>M-18-643</del> <u>GR-20-723</u>		Order Date:	<del>07-17-19</del>



**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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~~11-02-20

By: Christopher B. Clark

Effective Date: ~~10-01-17~~

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~15-826~~20-723

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	<u>Oct-May</u>	<u>Jun-Sep</u>	
Rail Line On Peak Coincident Billing Demand	\$4.41	\$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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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N  
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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)

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Docket No.	<del>E, G999/CI-17-895</del> E002/GR-20-723		Order Date:	<del>05-10-19</del>

**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**

		Monthly Rate Per Luminaire			
		Standard Service			Pre-Pay
Designation of Lamp	(Lumens)	Overhead	Underground	Decorative	Option
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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

(Continued on Sheet No 5-74.1)

Date Filed:	<del>03-15-19</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>06-01-19</del>
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**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>	<u>(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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

(Continued on Sheet No. 5-77)

Date Filed:	<del>11-24-18</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>07-09-19</del>
Docket No.	E002/ <del>M-18-729</del> <u>GR-20-723</u>	President, Northern States Power Company, a Minnesota corporation	Order Date:	<del>05-10-19</del>

**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

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**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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~~11-02-20

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President, Northern States Power Company, a Minnesota corporation

Docket No. ~~E, G999/CI-17-~~

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

~~895~~E002/GR-20-723

**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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:	<del>03-15-19</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>06-01-19</del>
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	<del>E, G999/CI-17-</del> <u>895E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**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>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00105	

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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Docket No.	<del>E, G999/CI-17-895</del> <u>E002/GR-20-723</u>		Order Date:	<del>05-10-19</del>

**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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:	<del>11-21-18</del> <u>11-02-20</u>	By: Christopher B. Clark	Effective Date:	<del>07-09-19</del>
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ <del>M-18-729</del> <u>GR-20-723</u>		Order Date:	<del>05-10-19</del>



**FIRE AND CIVIL DEFENSE SIREN SERVICE**  
**RATE CODE A42**

Section No. 5  
~~44th~~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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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

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~~11-02-20

By: Christopher B. Clark

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President, Northern States Power Company, a Minnesota corporation

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895E002/GR-20-723

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

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

**INTERIM RATE SURCHARGE RIDER**

Section No. 5  
~~12th~~<sup>13th</sup> 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
16. Voluntary Renewable\*Connect Rider

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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N

Date Filed: ~~11-02-20~~<sup>11-02-20</sup>

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Order Date: ~~06-12-17~~

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**OFF SEASON LOAD RIDER**

Section No. 5

~~5th~~<sup>6th</sup> Revised Sheet No. 100

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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

**PHOTOVOLTAIC DEMAND CREDIT RIDER**  
**RATE CODE A85 (CLOSED)**  
**RATE CODE A86**

Section No. 5  
~~5th~~6th 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) were receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider was originally approved by the Commission, or 2) have enrolled by submitting to the Company a complete interconnection application for a planned qualifying generation source before February 14, 2020. The closed rate will expire April 20, 2027. 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) \$0.071390

Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) \$0.069648

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

**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.

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President, Northern States Power Company, a Minnesota corporation

Docket No. E002/~~M-13-315 & E999/CI-15-115~~GR-20-723

Order Date: ~~02-14-20~~

# **2022 Interim Tariffs Clean**

**2022 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. 5-51, revision 10  
Sheet No. 5-52, revision 10  
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 6

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 18th Revised Sheet No. 3

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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

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**RESIDENTIAL ELECTRIC VEHICLE SERVICE  
RATE CODE A08**

Section No. 5  
20th Revised Sheet No. 5

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**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
Off-Peak Period Energy Charge per kWh	\$0.04170

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-6)

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION**  
**PILOT SERVICE (Continued)**  
**RATE CODE A82, A83**

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Section No. 5  
1st Revised Sheet No. 8.2

**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-8.3)

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Docket No. E002/GR-20-723

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**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 &amp; 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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**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>	<u>(Lumens)</u>	<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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N  
N  
N

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)

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

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**SMALL GENERAL SERVICE  
RATE CODE A09, A10, A11, A13**

Section No. 5  
32nd Revised Sheet No. 21

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**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
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**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-22)

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

Section No. 5  
32nd Revised Sheet No. 23

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-24)

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N  
N  
N

(Continued on Sheet No. 5-30)

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

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**PEAK CONTROLLED SERVICE (Continued)**  
**RATE CODE A23**

Section No. 5  
19th Revised Sheet No. 41

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**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-42)

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

**PEAK CONTROLLED TIME OF DAY SERVICE  
(Continued)  
RATE CODE A24**

Section No. 5  
26th Revised Sheet No. 45

**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
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: $\geq$ 65% and < 85% PF	\$7.15	\$7.86
Level C: $\geq$ 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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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)

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**ELECTRIC VEHICLE FLEET PILOT SERVICE**  
**RATE CODE A87, A88, A89**

Section No. 5  
10th Revised Sheet No. 51

**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying ownership or lease of a minimum of five electric vehicles as defined in Section 169.011, subdivision 26a of Minnesota law.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Fleet Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N  
N  
N

(Continued on Sheet No. 5-51.1)

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**ELECTRIC VEHICLE PUBLIC CHARGING PILOT  
SERVICE  
RATE CODE A90**

Section No. 5  
10th Revised Sheet No. 52

**AVAILABILITY**

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage for the express purpose of providing public charging service to electric vehicles.

**CONTRACT**

Customers must contract for this service through an Electric Vehicle Public Charging Pilot Service Agreement with the Company. The contract period will be for 120 months.

**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	\$29.64	
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	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

(Continued on Sheet No. 5-52.1)

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N  
N  
N



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

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**REAL TIME PRICING SERVICE (Continued)**  
**RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)**

Section No. 5  
23rd Revised Sheet No. 65

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**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-65.1)

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

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**LIGHT RAIL LINE TARIFF  
RATE CODE A29**

Section No. 5  
18th Revised Sheet No. 71

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**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	<u>Oct-May</u>	<u>Jun-Sep</u>
Rail Line On Peak Coincident Billing Demand	\$4.41	\$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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-72)

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**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**

		Monthly Rate Per Luminaire			
		Standard Service			Pre-Pay
Designation of Lamp	(Lumens)	Overhead	Underground	Decorative	Option
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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N  
N  
N

(Continued on Sheet No 5-74.1)

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**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>	<u>(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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

(Continued on Sheet No. 5-77)

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N  
N  
N

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**STREET LIGHTING ENERGY SERVICE - METERED  
RATE CODE A34**

Section No. 5  
30th Revised Sheet No. 78

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 78.1)

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**STREET LIGHTING SERVICE - CITY OF ST. PAUL  
(CLOSED)  
RATE CODE A37**

Section No. 5  
28th Revised Sheet No. 80

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-81)

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**SMALL MUNICIPAL PUMPING SERVICE  
RATE CODE A40**

Section No. 5  
31st Revised Sheet No. 85

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-86)

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**MUNICIPAL PUMPING SERVICE  
RATE CODE A41**

Section No. 5  
32nd Revised Sheet No. 87

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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(Continued on Sheet No. 5-88)

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**FIRE AND CIVIL DEFENSE SIREN SERVICE**  
**RATE CODE A42**

Section No. 5  
15th Revised Sheet No. 89

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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**INTERIM RATE SURCHARGE RIDER**

Section No. 5  
13th Revised Sheet No. 94

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**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
16. Voluntary Renewable\*Connect Rider

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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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**OFF SEASON LOAD RIDER**

Section No. 5  
6th Revised Sheet No. 100

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**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 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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.

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**PHOTOVOLTAIC DEMAND CREDIT RIDER**  
**RATE CODE A85 (CLOSED)**  
**RATE CODE A86**

Section No. 5  
6th Revised Sheet No. 125

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**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) were receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider was originally approved by the Commission, or 2) have enrolled by submitting to the Company a complete interconnection application for a planned qualifying generation source before February 14, 2020. The closed rate will expire April 20, 2027. 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) \$0.071390

Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) \$0.069648

**INTERIM RATE ADJUSTMENT**

A 19.39% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N  
N  
N

**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.
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