



**Northern States Power Company
Before the
Minnesota Public Utilities Commission**

Application for Authority to
Increase Electric Rates in Minnesota
Docket No. E002/GR-21-630

October 25, 2021

Volume 1

Notice of Change in Rates
Interim Rate Petition



414 Nicollet Mall
Minneapolis, MN 55401

October 25, 2021

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

—Via Electronic Filing—

Re: APPLICATION
AUTHORITY TO INCREASE ELECTRIC RATES
NORTHERN STATES POWER COMPANY
DOCKET NOS. E002/GR-21-630 & E002/M-21-748

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.

Xcel Energy seeks authority to increase electric rates, through a three-year multiyear rate plan (MYRP), to reflect the cost of providing service to our customers, including an appropriate return on common equity. We believe our MYRP, modeled after and incorporating the lessons learned from our previous MYRP, can again provide significant benefits to our customers and other stakeholders while ensuring that our rates remain just and reasonable. The MYRP we propose builds on the success of the 2016-2019 MYRP and will allow the Company to continue providing leadership on a number of key initiatives, including: (1) expanding our renewable energy portfolio and further transforming our generation fleet as we lead the clean energy transition; (2) creating an advanced distribution grid to better serve our customers and enable further transformation of our overall energy delivery system; and (3) assisting in continued beneficial electrification. The MYRP also enables the Company to continue improving the customer experience while also maintaining safe, reliable and affordable energy service for our customers.

With our MYRP, we are requesting a net increase in gross revenues of \$396.0 million (12.2 percent) in 2022, an incremental \$150.2 million (4.8 percent) in 2023, and an incremental \$131.2 million (4.2 percent) in 2024, based on present revenues. The MYRP reflects a first year revenue requirement calculated based on a traditional test year (2022), and revenue requirements for the proposed plans years (2023 and 2024) also reflecting a cost of service approach, as described in our Application. In addition, given the success of our 2016-2019 MYRP, we also provide forecast and cost of service information for 2025 and 2026, 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 a MYRP term of more than three years.

We are also requesting that the Commission suspend our proposed rates, and authorize the recovery of interim rates effective January 1, 2022, as set forth in our Notice and Petition for Interim Rates (Petition). Our request is for a 2022 interim revenue increase equal to \$288.3 million, or 9.4 percent, based on present revenues. We also request an incremental 2023 interim revenue increase equal to \$135.1 million, or an incremental 4.5 percent, based on present revenues. The interim revenue request for 2022 will be uniformly billed as a 13.52 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders) and for 2023 will be uniformly billed as an incremental 6.52 percent increase over 2022 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.

In addition, we propose an alternative to standard interim rates, to moderate the rate increase to customers in 2022. If the Commission sees value in mitigating the size of the interim rate increase in 2022, the Company would agree to an alternative interim rate package that would lower the Company's interim rate revenue requirement for 2022 from \$288.3 million to \$190.3 million. Specifically, if the Commission grants interim rate relief for 2023, the Company can agree to remove the impact of lower sales from interim rates for both 2022 and 2023, and continue to use a sales true-up for those years instead, meaning

the Company would defer collection of any lost sales revenues by a year. However, given the investments needed to be made in 2022 and 2023, the Company cannot agree to these reduced interim rate levels without certainty that it will gain additional revenue relief beginning January 1, 2023. Therefore, if the Commission chooses to defer a decision on 2023 interim rates at this time, the Company requests approval of its full interim rate revenue requirement of \$288.3 million.

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

A. Contents of Filing

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

Volume 1 (Application/Interim)	Notice of Change in Rates, Interim Rate Petition
Volumes 2A to 2E	Testimony and Supporting Schedules, Completeness List, Proposed Tariff Sheets
Volume 3	Required Information
Volume 4	MYRP Plan 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-21-748. 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. A copy of the Application, including a Summary of Filing, has also been served on the service list for 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-20-723, as shown on the attached Affidavit of Service.

Mr. Seuffert
October 25, 2021
Page 5 of 5

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

Sincerely,



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

Enclosures
cc: Service List

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INTERIM RATE PETITION
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3. Capital Structure
4. ROE
5. MYRP ROE
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TESTIMONY AND SUPPORTING SCHEDULES
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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-21-630 &
E002/M-21-748

NOTICE OF CHANGE IN RATES

A. Introduction.

Northern States Power Company, doing business as Xcel Energy (Xcel Energy or Company), seeks authority from the Minnesota Public Utilities Commission (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, subs. 1 and 19. The proposed three-year MYRP is modeled after the Company's 2016-2019 MYRP, approved in Docket No. E002/GR-15-826. The three-year MYRP uses a 2022 test year and 2023 and 2024 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 2025 and 2026, 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 a MYRP term of more than three years.

The MYRP we propose builds on the success of the 2016-2019 MYRP and will allow the Company to continue providing leadership on a number of key initiatives, including: (1) expanding our renewable energy portfolio and further transforming our generation fleet, as we lead the clean energy transition; (2) creating an advanced distribution grid to better serve our customers and enable further transformation of

our overall energy delivery system; and (3) assisting in continued beneficial electrification. The MYRP also enables the Company to continue improving the customer experience while also maintaining safe, reliable and affordable energy service for our customers. Overall, the proposed MYRP enables the Company to continue furthering State policy by reducing our greenhouse gas emissions, making the necessary investments in our system and, by providing another extended rate compact, affording all stakeholders the ability to continue to work together on these 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 – 8th 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 October 25, 2021. Pursuant to §216B.16, subd. 1,

Xcel Energy requests a final increase in electric gross revenues of \$396.0 million (12.2 percent) effective January 1, 2022, sixty-seven (67) days after filing, without suspension; an incremental increase of \$150.2 million (4.8 percent) effective January 1, 2023, without suspension; and an incremental increase of \$131.2 million (or 4.2 percent) effective January 1, 2024, 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, subs. 3 and 19, that an interim rate increase of \$288.3 million, or an approximately 9.4 percent overall bill increase, be effective on January 1, 2022, as discussed in the Company's Notice and Petition for Interim Rates (Petition), included in this Application. The Company acknowledges that its request, if granted, would put interim rates into effect later than 60 days from the date of filing, as called for by Minn. Stat. §216B.16, subd. 3. However, a January 1, 2022 implementation date will be administratively easier for the Company and avoid customer confusion that may come with an implementation date earlier than January 1. The interim revenue request will be uniformly billed as a 13.52 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, subs. 3 and 19, that an incremental interim rate increase of \$135.1 million, or an approximate 4.5 percent incremental bill increase (so totaling approximately \$423 million or 13.9 percent over present revenues), be effective on January 1, 2023. The 2023 interim revenue request will also be uniformly billed as an incremental 6.52 percent increase above 2022 levels on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders).

Alternatively, if the Commission sees value in mitigating the size of the interim rate increase in 2022, the Company would agree to an interim rate package that would lower the Company's interim rate revenue requirement for 2022 from \$288.3 million to \$190.3 million. Specifically, if the Commission grants interim rate relief for 2023, the Company can agree to remove the impact of lower sales from interim rates for both 2022 and 2023 and continue to use a sales true-up for those years instead, meaning the Company would defer collection of any lost sales revenues by a year. In addition to reducing the 2022 interim rate revenue requirement by approximately \$98 million, this would decrease the interim rate increase in 2023 by approximately \$118 million, to a total of \$306 million, rather than the \$423 million set forth in our interim rate petition. However, given the investments needed to be

made in 2022 and 2023, the Company cannot agree to these reduced interim rate levels without certainty that it will gain additional revenue relief beginning January 1, 2023. Therefore, if the Commission chooses to defer a decision on 2023 interim rates at this time, the Company requests approval of its full interim rate revenue requirement of \$288.3 million.

Typically, final rates would become effective within 10 months of the date of the Application, unless the review period is extended by the Commission. We recognize, however, that the statutory triggers for extension provided by Minn. Stat. § 216B.16 subs. 2 and 19 will apply to the schedule of 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, 2022. As part of its proposed three-year MYRP, the Company also requests to increase rates effective January 1, 2023 and effective January 1, 2024, 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 2022 test year of \$396.0 million, or an approximate increase of about 12.2 percent above the present test year gross revenues; an additional \$150.2 million or 4.8 percent, based on present revenues, effective January 1, 2023; and an additional 131.2 million or 4.2 percent, based on present revenues, effective January 1, 2024. For the three years, the Company requests an increase of present revenues of \$677.3 million, or 21.2 percent. Our request is based on our proposed three-year MYRP, consisting of a 2022 test year and 2023 and 2024 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 eleven 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 \$193 million in 2022, while decreasing base rates by \$20 million and \$15 million in 2023 and 2024, 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.

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 2022 and 2023 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 2022 proposed test year deficiency, the 2023 and 2024 plan year deficiencies, and our proposed final rate design.

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

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

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

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

Attached to this Application are rate schedules containing the proposed final rates and tariffs. These proposed final schedules and tariffs are supported by the pre-filed Direct Testimony of Mr. Nicholas N. Paluck and Mr. Michael A. Peppin, in Volume 2D. Redlined and legislative 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, Mr. Greg P. 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 Supporting Schedules of the Company's witnesses (including Redlined and Non-Redlined Legislative versions of the proposed tariffs); Volume 3, Required Information; Volume 4, MYRP Workpapers; 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 2020. The projected fiscal year is 2021. The proposed test year is the calendar year ending December 31, 2022 (Test Year), and the Application also addresses proposed rates for the years ending December 31, 2023 and 2024 (Plan Years).

We have provided the information required by Minn. Stat. §216B.16, subd. 17 in Volume 3 of our Application.

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/2022MNRates (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.

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. A copy of the Application, including a Summary of Filing, has also been served on the service list for 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-20-723, as shown on the attached Affidavit of Service.

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-21-748. 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 information and 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:

Matt Harris
Xcel Energy Services Inc.
414 Nicollet Mall (401-8th Floor)
Minneapolis, MN 55401
Matt.b.harris@xcelenergy.com

Lynnette Sweet
Regulatory Records
Xcel Energy
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Minneapolis, MN 55401
regulatory.records@xcelenergy.com

Eric Swanson
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Suite 3500
225 South Sixth Street
Minneapolis, MN 55402
eswanson@winthrop.com

L. Conclusion.

The Company respectfully requests consideration and acceptance of its Application.

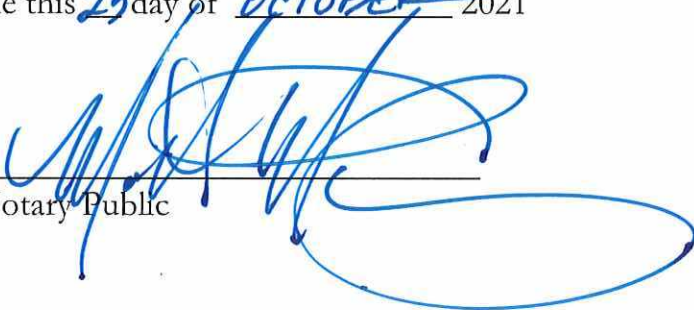
Dated: October 25, 2021

Respectfully submitted,

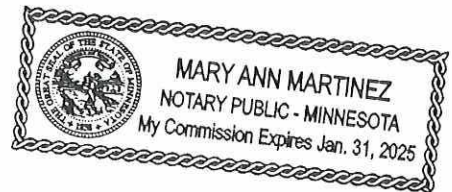


CHRISTOPHER B. CLARK
PRESIDENT, NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION

Subscribed and sworn to before
me this 25 day of OCTOBER 2021



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-21-748

The PUBLIC and NON-PUBLIC versions of documents with the Highly Confidential information redacted are being submitted in this filing in Docket No. E002/GR-21-630.

The attached index provides justifications for the Non-Public and Highly Confidential information.

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

Item / Location	Justification
Projected Costs, Vendor Proprietary Information, and/or Contractually Negotiated Details	
Capra Testimony Table 7 Wind Project RES Rider Roll-in	Table 7 includes capital additions and modeled costs for the Community Wind North and Jeffers Wind facilities. The Company considers these costs as confidential trade secret information as defined by Minn. Stat. § 13.37(1)(b). The cost 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.
Capra Testimony, Schedule 6 Chemical Usage and Costs	Schedule 6 provides the quantity and prices historically paid for our main chemicals, and the amounts and prices used to calculate our 2022 to 2024 budgets, along with a summary of chemical costs by plant including usage amount, price, and total cost for 2018 to 2020 actuals, 2021 forecast, and 2022 to 2024 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.
Capra, Schedule 9 Outage Events with Energy Costs	Schedule 9 provides 1) plant outages for 2018 to 2020, and 2021 through July and the duration of each outage period; 2) the reason the plant was in an outage; and 3) the plan to alleviate the reoccurrence of similar outages. Schedule 9 also includes data regarding changes in energy costs for plant outages that the Company considers as confidential trade secret information as defined by Minn. Stat. § 13.37(1)(b). The cost 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.

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

Item / Location	Justification
Gardner Testimony, Various Schedules 7 and 8 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.
Halama Schedule 14 Wholesale Customer Study	Schedule 14 provides a wholesale customer summary including all current agreements by customer, the expected revenues for the years 2022 to 2024, 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.
Halama Schedule 15 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.
Moeller Battery Disposal	The contract referenced includes a non-disclosure/confidential paragraph. Therefore, the Company has marked this as trade secret to honor its obligations under the contract.
Volume 5 Budget Documentation Information Trend Analysis – IHS Markit Inflation Factors	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

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

Item / Location	Justification
	confidentiality provisions in the Company's agreements with IHS Markit pursuant to which the Company is restricted from providing this information publicly.
<p>HIGHLY CONFIDENTIAL INFO Submitted in Docket E002/M-21-748</p> <p>Peppin Testimony, Table 2 Cost Responsibilities for Rate Discounts</p> <p>Peppin Schedules 3 to 8 CCOSS Detailed and Summary Results for 2022, 2023, 2024</p> <p>Vol 3 – Required Information Tab II 6B. Operating Revenue Detailed Comparison, 2022, 2023 and 2024</p> <p>Vol 3 – Required Information Tab II 6C. 2022, 2023 and 2024 Class Cost of Service Studies</p> <p>Workpapers (via secure file transfer): CCOSS Models 2022, 2023, 2024</p>	<p>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.</p> <p>The Direct Testimony of Michael A Peppin, along with Operating Revenue and CCOSS information provided in Vol 3 and as live work papers includes economic development details. This information is competitively sensitive trade secret information. Xcel Energy and the customer have taken reasonable precautions to maintain its confidentiality, and given the highly confidential and sensitive nature of this information therefore Xcel Energy and the customer consider the info to be trade secret as defined by Minn Stat. § 13.37, subd. 1(b).</p> <p>This information is competitively sensitive trade secret information. Xcel Energy and the customer have taken reasonable precautions to maintain its confidentiality, and given the highly confidential and sensitive nature of this information, access must be strictly limited.</p>
<p>HIGHLY CONFIDENTIAL INFO Submitted in Docket E002/M-21-748</p> <p>Peppin Schedule 15 CRR Incremental Cost Analysis</p>	<p>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 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</p>

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

Item / Location	Justification
	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.
Company Information	
Goodenough Schedules 8 and 12 Sales Forecast Adjustments for New Load Additions and Reductions Customer and Sales Forecast by Rate Schedule	Schedules 8 and 12 include sales data the Company considers to be Trade Secret information protected by the Minnesota Data Practices Act. That information has economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons and is subject to efforts by the Company to protect the information from public disclosure. Xcel Energy maintains this information as a trade secret based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. For this reason, we ask that the data be treated as non-public data pursuant to Minn. Stat. § 13.37, subd. 1(b).
Lowenthal Schedule 2 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 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.
Lowenthal Schedule 4 Incentive Plan Details	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

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

Item / Location	Justification
	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.
Bloch Schedule 4 FLISR Live CBA	<p>The FLISR CBA model represents a Company work product. Xcel Energy maintains this information as a trade secret pursuant to Minn. Stat. §13.37 (1)(b) based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.</p> <p>Additionally, some data contained within the model is also maintained as trade secret based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain value from its disclosure or use, and/or contains proprietary customer and system data. This additional trade secret data includes negotiated and contractual pricing.</p> <p>Please note the CBA is marked as “Non-Public” in its entirety. Pursuant to Minnesota Rule 7829.0500, subp. 3, we provide the following description of the excised material:</p> <ol style="list-style-type: none"> 1. Nature of the Material: The Cost Benefit Analysis Model developed by the Company. 2. Authors: Risk Analytics and Regulatory and Distribution 3. Importance: The Company work product is proprietary to the Company. 4. Date the Information was Prepared: The CBA Model was created in the fourth quarter of 2021.
Personal Information	
HIGHLY CONFIDENTIAL INFO Submitted in Docket No. E002/M-21-748 Husen Schedule 10 Employee Compensation for Lobbying Employees	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.

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

Item / Location	Justification
	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.
Insurance Related Information	
Miller Testimony, Various Schedules 2 through 12 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 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.</p>
Work Product	
Live Models and Workpapers Class Cost of Service Study	The CCOSS and Revenue Models represent Company work product. Xcel Energy maintains this information as a trade

NON-PUBLIC AND HIGHLY CONFIDENTIAL INDEX

Item / Location	Justification
Revenue Model E8760 Allocator Data CRB – Bloch	<p>secret pursuant to Minn. Stat. §13.37 (1)(b) based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.</p> <p>Parts of the workpapers contain 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.</p>

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-21-630 &
DOCKET No. E002/M-21-748

SUMMARY OF FILING

SUMMARY OF FILING

Pursuant to Minn. Stat. §216B.16, subs. 1 and 19, on October 25, 2021, Northern States Power Company, doing business as Xcel Energy (Xcel Energy or Company), filed with the Minnesota Public Utilities Commission (Commission), an application to increase retail electric rates in the State of Minnesota by \$396.0 million (12.2 percent) in 2022, effective January 1, 2022, without suspension, an incremental \$150.2 million (4.8 percent) in 2023, and an incremental \$131.2 million (4.2 percent) in 2024, based on present revenues (Application). The total requested increase for the three-year multiyear rate plan (MYRP) proposal is \$677.3 million (21.2 percent).

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, subs. 3 and 19, that an interim gross revenue increase of \$288.3 million, or an approximate 9.4 percent overall bill increase based on present revenues, be effective on January 1, 2022, as discussed in the Company's Notice and Petition for Interim Rates (Petition), included in this Application. The Company also requests a 2023 interim gross revenue increase of an incremental \$135.1 million, or an incremental 4.5 percent increase. The interim revenue request for 2022 will be uniformly billed as a 13.52 percent increase on the base rate portion of customers' bills (exclusive of fuel and purchased energy costs and certain rate riders) and for 2023 will be

uniformly billed as an incremental 6.52 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 601 kWh per month or 7,212 kWh per year. On average, the proposed final rate change, which includes the 2022 Test Year and 2023 and 2024 Plan Years, would increase the bill for a typical residential electric customer by \$18.56 per month or \$222.67 per year. We expect interim rates to be in effect until final rates are ordered in 2023.

The proposed rate schedules and a comparison of present and proposed rates are available at www.xcelenergy.com/2022MNRates (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 lists of persons.

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

xx electronic filing

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

Docket No. E002/GR-21-630

Docket No. E002/GR-15-826

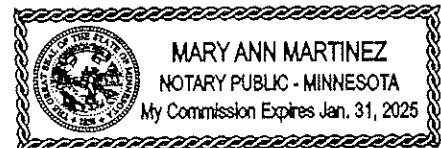
Miscellaneous Electric Service List

Docket No. E002/GR-20-723

Dated this 25th day of October 2021.

Lynnette Sweet

Subscribed and sworn to before me
this 25 day of October 2021.



[Signature]
Notary Public

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Alison C	Archer	aarcher@misoenergy.org	MISO	2985 Ames Crossing Rd Eagan, MN 55121	Electronic Service	No	OFF_SL_21-630_GR-21-630
Mara	Ascheman	mara.k.ascheman@xcelenergy.com	Xcel Energy	414 Nicollet Mall Fl 5 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_21-630_GR-21-630
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Jessica L	Bayles	Jessica.Bayles@stoel.com	Stoel Rives LLP	1150 18th St NW Ste 325 Washington, DC 20036	Electronic Service	No	OFF_SL_21-630_GR-21-630
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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	OFF_SL_21-630_GR-21-630
John	Coffman	john@johncoffman.net	AARP	871 Tuxedo Blvd. St. Louis, MO 63119-2044	Electronic Service	No	OFF_SL_21-630_GR-21-630
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_21-630_GR-21-630
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-630_GR-21-630

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Amber	Hedlund	amber.r.hedlund@xcelenergy.com	Northern States Power Company dba Xcel Energy-Elec	414 Nicollet Mall, 401-7 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_21-630_GR-21-630
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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_21-630_GR-21-630
Geoffrey	Inge	ginge@regintl.com	Regulatory Intelligence LLC	PO Box 270636 Superior, CO 80027-9998	Electronic Service	No	OFF_SL_21-630_GR-21-630
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave. Marathon, FL 33050	Electronic Service	No	OFF_SL_21-630_GR-21-630
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-630_GR-21-630
Sarah	Johnson Phillips	sarah.phillips@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-630_GR-21-630
Mark J.	Kaufman	mkaufman@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Avenue South Burnsville, MN 55337	Electronic Service	No	OFF_SL_21-630_GR-21-630
Thomas	Koehler	TGK@IBEW160.org	Local Union #160, IBEW	2909 Anthony Ln St Anthony Village, MN 55418-3238	Electronic Service	No	OFF_SL_21-630_GR-21-630

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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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_21-630_GR-21-630
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George	Crocker	gwillc@nawo.org	North American Water Office	PO Box 174 Lake Elmo, MN 55042	Electronic Service	No	OFF_SL_20-723_20-723
James	Denniston	james.r.denniston@xcelenergy.com	Xcel Energy Services, Inc.	414 Nicollet Mall, 401-8 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-723_20-723
Rebecca	Eilers	rebecca.d.eilers@xcelenergy.com	Xcel Energy	414 Nicollet Mall - 401 7th Floor Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-723_20-723
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_20-723_20-723
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_20-723_20-723
Lucas	Franco	lfranco@liunagroc.com	LIUNA	81 Little Canada Rd E Little Canada, MN 55117	Electronic Service	No	OFF_SL_20-723_20-723
Edward	Garvey	edward.garvey@AESLconsulting.com	AESL Consulting	32 Lawton St Saint Paul, MN 55102-2617	Electronic Service	No	OFF_SL_20-723_20-723
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-723_20-723

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Janet	Gonzalez	Janet.gonzalez@state.mn.us	Public Utilities Commission	Suite 350 121 7th Place East St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-723_20-723
Matthew B	Harris	matt.b.harris@xcelenergy.com	XCEL ENERGY	401 Nicollet Mall FL 8 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-723_20-723
Amber	Hedlund	amber.r.hedlund@xcelenergy.com	Northern States Power Company dba Xcel Energy-Elec	414 Nicollet Mall, 401-7 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-723_20-723
Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-723_20-723
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_20-723_20-723
Geoffrey	Inge	ginge@regintl.com	Regulatory Intelligence LLC	PO Box 270636 Superior, CO 80027-9998	Electronic Service	No	OFF_SL_20-723_20-723
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave. Marathon, FL 33050	Electronic Service	No	OFF_SL_20-723_20-723
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723
Sarah	Johnson Phillips	sarah.phillips@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723
Mark J.	Kaufman	mkaufman@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Avenue South Burnsville, MN 55337	Electronic Service	No	OFF_SL_20-723_20-723

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Thomas	Koehler	TGK@IBEW160.org	Local Union #160, IBEW	2909 Anthony Ln St Anthony Village, MN 55418-3238	Electronic Service	No	OFF_SL_20-723_20-723
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723
Carmel	Laney	carmel.laney@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723
Peder	Larson	plarson@larkinhoffman.com	Larkin Hoffman Daly & Lindgren, Ltd.	8300 Norman Center Drive Suite 1000 Bloomington, MN 55437	Electronic Service	No	OFF_SL_20-723_20-723
Annie	Levenson Falk	annielf@cubminnesota.org	Citizens Utility Board of Minnesota	332 Minnesota Street, Suite W1360 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-723_20-723
Ryan	Long	ryan.j.long@xcelenergy.com	Xcel Energy	414 Nicollet Mall 401 8th Floor Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-723_20-723
Kavita	Maini	kmains@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_20-723_20-723
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_20-723_20-723
Mary	Martinka	mary.a.martinka@xcelenergy.com	Xcel Energy Inc	414 Nicollet Mall 7th Floor Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-723_20-723
Brian	Meloy	brian.meloy@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723

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_20-723_20-723
Stacy	Miller	stacy.miller@minneapolismn.gov	City of Minneapolis	350 S. 5th Street Room M 301 Minneapolis, MN 55415	Electronic Service	No	OFF_SL_20-723_20-723
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_20-723_20-723
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723
David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_20-723_20-723
Carol A.	Overland	overland@legalelectric.org	Legalelectric - Overland Law Office	1110 West Avenue Red Wing, MN 55066	Electronic Service	No	OFF_SL_20-723_20-723
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_20-723
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_20-723_20-723
Amanda	Rome	amanda.rome@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 5 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-723_20-723
Joseph L	Sathe	jsathe@kennedy-graven.com	Kennedy & Graven, Chartered	150 S 5th St Ste 700 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-723_20-723
Peter	Scholtz	peter.scholtz@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	Yes	OFF_SL_20-723_20-723
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_20-723_20-723
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_20-723_20-723
Joshua	Smith	joshua.smith@sierraclub.org		85 Second St FL 2 San Francisco, California 94105	Electronic Service	No	OFF_SL_20-723_20-723
Ken	Smith	ken.smith@districtenergy.com	District Energy St. Paul Inc.	76 W Kellogg Blvd St. Paul, MN 55102	Electronic Service	No	OFF_SL_20-723_20-723
Beth H.	Soholt	bsoholt@windonthewires.org	Wind on the Wires	570 Asbury Street Suite 201 St. Paul, MN 55104	Electronic Service	No	OFF_SL_20-723_20-723
Byron E.	Starns	byron.starns@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723
James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	150 S 5th St Ste 700 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_20-723_20-723
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_20-723_20-723
Thomas	Tynes	jjazynka@energyfreedomcoalition.com	Energy Freedom Coalition of America	101 Constitution Ave NW Ste 525 East Washington, DC 20001	Electronic Service	No	OFF_SL_20-723_20-723
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_20-723_20-723
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_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_20-723
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett a Professional Association	150 S. 5th Street, #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-723_20-723

**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-21-630
& E002/M-21-748

On October 25, 2021, Northern States Power Company, doing business as Xcel Energy (Xcel Energy or Company), filed with the Minnesota Public Utilities Commission (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 \$396.0 million (12.2 percent) effective January 1, 2022, sixty-seven (67) days after filing, without suspension; an incremental increase of \$150.2 million (4.8 percent) effective January 1, 2023, without suspension; and an incremental increase of \$131.2 million (or 4.2 percent) effective January 1, 2024, based on 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, subsd. 1 and 19. Finally, the Company provides forecasts and cost of service information for 2024 and 2025, 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, subsd. 3 and 19, that an interim rate increase of \$288.3 million, or an approximately 9.4 percent overall bill increase, be effective on January 1, 2022, 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 13.52 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 \$135.1 million, or an approximate 4.5 percent incremental bill increase (so totaling approximately 13.9 percent over present revenues), be effective on January 1, 2023. The 2023 interim revenue request will also be uniformly billed as an incremental 6.52 percent increase over 2022 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 MYRP, built upon a 2022 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, 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 2023. 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 2022 monthly kWh usage	Current monthly cost	2022 Interim monthly increase	2023 Interim monthly increase	Proposed 2022 monthly cost	Proposed 2022 monthly increase	Proposed 2023 monthly increase (Cumulative 2022+2023)	Proposed 2024 monthly increase (Cumulative 2022+2023+2024)
Residential - Overhead line service	514	\$77.57	\$7.54	\$11.04	\$87.49	\$9.92	\$12.27	\$14.75
Residential - Underground line service	752	\$111.78	\$10.81	\$15.80	\$125.60	\$13.81	\$17.24	\$20.87
Energy-Controlled (Dual Fuel)	1,019	\$93.43	\$6.85	\$10.06	\$106.40	\$12.97	\$17.78	\$21.41
Small General Service	794	\$109.15	\$10.21	\$14.92	\$119.10	\$9.95	\$12.46	\$14.63
Small General Time-of-Day Service	1,089	\$134.93	\$12.01	\$17.59	\$147.71	\$12.78	\$15.72	\$18.21
General Service	14,670	\$1,679.88	\$145.19	\$211.03	\$1,867.18	\$187.30	\$213.28	\$226.47
General Time-of-Day Service	123,490	\$11,699.82	\$918.85	\$1,324.87	\$12,966.05	\$1,266.24	\$1,326.92	\$1,872.25
Peak-Controlled Service	67,093	\$9,040.31	\$825.69	\$1,202.77	\$10,100.96	\$1,060.65	\$1,265.88	\$1,383.12
Peak-Controlled Time-of-Day Service	605,194	\$66,153.60	\$5,562.15	\$8,164.52	\$73,651.86	\$7,498.26	\$9,421.86	\$11,190.54
Small Municipal Pumping	615	\$86.84	\$8.22	\$12.04	\$94.79	\$7.96	\$9.77	\$12.84
Municipal Pumping	8,369	\$1,082.84	\$98.44	\$145.17	\$1,202.67	\$119.83	\$152.06	\$166.11

Monthly Customer Charges

Customer type	Current	Proposed
Residential		
Overhead line	\$8.00	\$9.50
Overhead line - electric heating	\$10.00	\$11.50
Underground line	\$10.00	\$11.50
Underground line - electric heating	\$12.00	\$13.50
Small Commercial		
Small General	\$10.00	\$11.50
Small General Time-of-Day	\$12.00	\$13.50
Commercial and Industrial		
General	\$25.64	\$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 2022	Proposed 2023	Proposed 2024
Residential				
Energy: Summer (June-September)	10.301 ¢	12.994 ¢	13.748 ¢	14.453 ¢
Energy: Winter (Other months)	8.803 ¢	11.285 ¢	11.980 ¢	12.640 ¢
Energy: Winter - electric heating	5.988 ¢	8.136 ¢	8.831 ¢	9.491 ¢
Small General				
Energy: Summer	9.256 ¢	11.372 ¢	11.980 ¢	12.554 ¢
Energy: Winter	7.757 ¢	9.663 ¢	10.212 ¢	10.740 ¢
Small General Time-of-Day				
Energy: On-Peak Summer	14.880 ¢	18.449 ¢	19.586 ¢	20.560 ¢
Energy: On-Peak Winter	11.723 ¢	14.679 ¢	15.686 ¢	16.558 ¢
Energy: Off-Peak	4.170 ¢	5.506 ¢	5.677 ¢	5.918 ¢
General				
Energy	3.407 ¢	4.738 ¢	4.993 ¢	5.213 ¢
Demand: Summer	\$14.79	\$17.48	\$18.10	\$18.52
Demand: Winter	\$10.49	\$12.89	\$13.50	\$13.92
General Time-of-Day				
Energy: On-Peak	4.855 ¢	6.502 ¢	6.851 ¢	7.154 ¢
Energy: Off-Peak	2.341 ¢	3.422 ¢	3.606 ¢	3.765 ¢
Demand: Summer	\$14.79	\$17.48	\$18.10	\$18.52
Demand: Winter	\$10.49	\$12.89	\$13.50	\$13.92

Note: Proposed lighting rate changes vary according to the type of lighting. The proposed final increase is 23.9 percent for full service street lighting, 15.6 percent for energy-only street lighting service, and 23.9 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/2022MNRates (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 7th Floor, Minneapolis, MN 55401.

Counties Served by Xcel Energy

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

Communities Served by Xcel Energy

Aetna Township	Bridgewater Township	Collegeville Township	Edgerton
Afton	Brighton Township	Collins Township	Edina
Albany	Brockway Township	Collinwood Township	Edwards Township
Albany Township	Brooklyn Center	Cologne	Elba
Albertville	Brooklyn Park	Columbia Heights	Elko New Market
Alma City(U)	Brooten	Comstock	Ellington Township
Alton Township	Buffalo	Concord (U)	Elmer Township
Altura	Buffalo Lake	Concord Township	Elmwood Township
Amador Township	Buffalo Township	Coon Rapids	Elysian
Annandale	Burbank Township	Corcoran	Elysian Township
Apple Valley	Burnsville	Corinna Township	Emmet Township
Arden Hills	Butterfield	Cosmos	Empire Township
Ashland Township	Byron	Cosmos Township	Essig (U)
Atwater	Camden Township	Cottage Grove	Evan
Averill (U)	Camp Release Township	Cottonwood	Excelsior
Avon	Canisteo Township	Courtland	Falcon Heights
Avon Township	Cannon City (U)	Courtland Township	Faribault
Baker (U)	Cannon City Township	Credit River Township	Farmington
Balaton	Cannon Falls	Crow Lake Township	Faxon Township
Bancroft Township	Cannon Falls Township	Crystal	Featherstone Township
Bangor Township	Carver	Currie	Felton
Bath Township	Castle Rock Township	Custer Township	Felton Township
Bayport	Center City	Dahlgren Township	Florence
Baytown Township	Centerville	Dakota	Florence Township
Beauford (U)	Champlin	Danube	Flowing Township
Beauford Township	Chandler	Dassel	Foley
Becker	Chanhassen	Dassel Township	Forest Lake
Becker Township	Chaska	Dayton	Fort Snelling
Belgrade	Cherry Grove Township	Deephaven	Franconia Township
Bellechester	Chester Township	Deerfield Township	Franklin
Belle Creek Township	Chisago City	Delano	Franklin Township
Belle Plaine	Chisago Lake Township	Delhi	Freedom Township
Belle Plaine Township	Circle Pines	Dellwood	Freeport
Belvidere Township	Clara City	Denmark Township	Fridley
Belview	Claremont	Dennison	Friendship Township
Benton Township	Claremont Township	Dilworth	Frontenac (U)
Bergen Township	Clarkfield	Dodge Center	Garden City Township
Big Lake	Clarks Grove	Dresbach (U)	Garvin
Big Lake Township	Clear Lake	Dresbach Township	Gaylord
Birch Cooley Township	Clear Lake Township	Dryden Township	Gem Lake
Birchwood	Clearwater	Dundas	Gibbon
Birchwood Village	Clements	Eagan	Gillford Township
Bird Island	Cleveland	Eagle Lake	Gilmanton Township
Bird Island Township	Clinton Falls (U)	East Bethel	Glasgow Township
Blaine	Clinton Falls Township	Echo	Glencoe
Blakely Township	Coates	Echo Township	Glencoe Township
Blomkest	Cobden	Eden Lake Township	Glenwood
Blooming Grove Twnshp	Cokato	Eden Prairie	Glenwood Township
Bloomington	Cokato Township	Eden Township (Pipestone)	Glyndon
Borup	Cold Spring	Eden Valley	Glyndon Township

Communities Served by Xcel Energy

Golden Valley	Holdingsford	Lakeville	Mazeppa
Goodhue	Holdings Township	Lake Wilson	Mazeppa Township
Goodhue Township	Holland	Landfall	McPherson Township
Good Thunder	Holland Township	Lanesburgh Township	Medford
Goodview	Hollywood Township	Lauderdale	Medford Township
Gordon Township	Holy Cross Township	Lemond Township	Medicine Lake
Grafton Township	Homer Township	Lent Township	Medina
Granite Falls Township	Hope Township	Le Ray Township	Medo Township
Grant	Hopkins	Le Sauk Township	Meire Grove
Gray Township	Howard Lake	Lester Prairie	Mendota
Greenfield	Hugo	Leven Township	Mendota Heights
Greenfield Township	Hyde Park Township	Lexington	Meriden Township
Green Isle	Ihlen	Lilydale	Middleville Township
Green Isle Township	Independence	Lime Township	Milford Township
Green Lake Township	Inver Grove Heights	Lincoln Township	Millville
Greenvale Township	Iona	Lindstrom	Milton Township
Greenwald	Iosco Township	Lino Lakes	Minden Township
Greenwood (Hennepin)	Irving Township	Linwood Township	Minneapolis
Grey Cloud Island Township	Jackson Township	Little Canada	Minneiska
Grove Township	Jamestown Township	Long Beach	Minneiska Township
Hadley	Janesville	Long Lake	Minneola Township
Hale Township	Janesville Township	Lonsdale	Minnesota City
Hamburg	Jasper	Loretto	Minnesota Falls Township
Hamel (U)	Jordan	Lowry	Minnesota Lake
Hammond	Kalmar Township	Luxemburg Township	Minnetonka Beach
Hampton	Kasota Township	Lydia (U)	Minnetonka
Hampton Township	Kasson	Lynden Township	Minnetrissa
Hancock Township	Kellogg	Lyra Township	Minnewaska Township
Hanley Falls	Kenyon Township	Madison Lake	Moltke Township
Hanover	Kilkenny	Mahtomedi	Monroe Township
Hartland	Kilkenny Township	Maine Prairie Township	Montevideo
Hartland Township	Kimball	Manchester	Monticello
Hastings	Kingston	Manchester Township	Monticello Township
Hatfield	Kingston Township	Mankato	Montrose
Haven Township	Krain Township	Mankato Township	Moorhead
Hawk Creek Township	La Crescent	Mantorville	Moorhead Township
Hay Creek Township	La Crescent Township	Mantorville Township	Morgan
Hayfield	Lafayette	Maple Grove	Morgan Township
Hayfield Township	Lake City	Maple Lake	Morristown
Hazel Run	Lake Elmo	Maple Lake Township	Morristown Township
Hector	Lake Henry	Maple Plain	Morton
Hector Township	Lake Henry Township	Mapleton	Mound
Helena Township	Lake Johanna Township	Mapleton Township	Mounds View
Helen Township	Lakeland	Maplewood	Mount Pleasant Township
Henderson	Lakeland Shores	Marine on St. Croix	Mount Vernon Township
Henderson Township	Lake Lillian	Marysville Township	Munson Township
Hillsdale Township	Lake Lillian Township	Mayer	Murray Township
Hilltop	Lake St. Croix Beach	Mayhew Lake Township	Nerstrand
Hokah	Laketown Township	Maynard	New Auburn
Holden Township	Lake Township (Wabasha)	May Township (Washington)	New Brighton

Communities Served by Xcel Energy

New Germany	Plato	St. Martin	Stillwater Township
New Hartford Township	Pleasant Hill Township	St. Mary's Point	Stockholm Township
New Haven Township	Plymouth	St. Mary Township	Stoneham Township
New Hope	Posen Township	St. Michael	Stony Run Township
New London	Preston Lake Township	St. Paul	Sumter Township
New London Township	Prinsburg	St. Paul Park	Sunfish Lake
New Market Township	Prior Lake	St. Wendel Township	Sunrise (U)
New Munich	Randolph	Salem Township-Olmsted	Sunrise Township
Newport	Randolph Township	Sand Creek Township	Swedes Forest Township
New Prague	Rapidan Township	San Francisco Township	Taylor's Falls
New Richland	Raymond	Sartell	Tonka Bay
New Richland Township	Reads Landing (U)	Sauk Rapids	Tracy
Nicollet	Red Wing	Sauk Rapids Township	Trosky
Nicollet Township	Regal	Savage	Tunsberg Township
Nininger Township	Renville	Scandia	Tyrone Township
Nodine (U)	Rheiderland Township	Sciota Township	Union Grove Township
Norfolk Township	Rice	Sedan	Vadnais Heights
North Branch (Chisago)	Richfield	Severance Township	Vermillion
Northfield	Richmond	Shafer	Vermillion Township
Northfield Township	Rich Valley Township	Shafer Township	Veseli (U)
North Mankato	Ridgeway (U)	Shakopee	Victoria
North Oaks	Ripley Township	Sherman Township	Victor Township
North St. Paul	Riverton Township	Shetek Township	Villard
Norton Township	Robbinsdale	Shieldsville Township	Wabasha
Norwood	Rockford	Shoreview	Waconia
Oak Center (U)	Rockford Township	Shorewood	Waconia Township
Oakdale	Rock Lake Township	Sibley Township	Wacouta Township
Oak Park Heights	Rock Township	Silver Lake	Waite Park
Oakport Township	Rockville	Skyline	Wakefield Township
Oak Township	Rogers	Slayton	Walcott Township
Oakwood Township	Rollingstone	Slayton Township	Waldorf
Orono	Rollingstone Township	Smiths Mill (U)	Waltham
Osakis	Roscoe	South Bend (U)	Waltham Township
Osborne Township	Roscoe Township	South Bend Township	Wanamingo
Osseo	Roseland Township	South Haven	Wanamingo Township
Otisco (U)	Rosemount	South St. Paul	Warsaw (U)
Otisco Township	Roseville	Southside Township	Warsaw Township (Rice)
Otsego	Rosewood Township	Sparta Township	Waseca
Ottawa Township	Ruthton	Spicer	Washington Lake Twnshp
Owatonna	Sabin	Spring Hill	Wasioja (U)
Owatonna Township	Sacred Heart	Spring Lake Park	Wasioja Township
Paxton Township	Sacred Heart Township	Spring Lake Township	Watab Township
Paynesville	St. Anthony	Spring Park	Waterford Township
Paynesville Township	St. Augusta	Spring Prairie Township	Watertown
Pemberton	St. Bonifacius	Stacy	Watertown Township
Pepin Township	St. Clair	Stanton (U)	Waterville
Pine Island	St. Cloud	Stanton Township	Waterville Township
Pine Island Township	St. Joseph	Starbuck	Watkins
Pine Springs	St. Joseph Township	Stewart	Watopa Township
Pipestone	St. Louis Park	Stillwater	Watson

Communities Served by Xcel Energy

Waverly
Wayzata
Weaver (U)
Webster (U)
Webster Township
Wegdahl (U)
Wells Township
West Concord
West Lakeland Township
Westport
Westport Township
West St. Paul
West Union
Wheatland Township
Wheeling Township
White Bear Lake
White Bear Lake Township
White Bear Township
Willernie
Wilson Township (Winona)
Wilton Township
Winona
Winsted
Winsted Township
Witoka (U)
Wolverton
Woodbury
Wood Lake
Wood Lake Township
Woodland
Woodland Township
Woodstock
Woodville Township
Wyoming
Young America
Young America Township
Zion Township
Zumbro Falls
Zumbrota
Zumbrota Township

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-21-630
DOCKET NO. E002/M-21-748

**NOTICE AND PETITION
FOR INTERIM RATES**

INTRODUCTION

Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (Xcel Energy, NSPM, 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 2022 and 2023 consistent with Minnesota Statute § 216B.16, subds. 3 and 19.

We are filing a three-year multi-year rate plan (MYRP) through which we are requesting to recover our capital and operating and maintenance expenses for 2022, 2023 and 2024. Our 2022 deficiency is driven by multiple factors, including our ongoing investments in carbon free electric generation, investments in other core and supporting infrastructure, and increased costs of business.

We respectfully request Commission approval of our proposed interim rate increase of approximately 9.4 percent, beginning January 1, 2022.¹ Our 2022 interim rate proposal is based on the test year revenue deficiency, with specific interim rate adjustments, that

¹ All 2022 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 \$288.3 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 2023. Therefore, consistent with Minn. Stat. §216B.19 (the MYRP Statute), we also request an incremental interim rate increase of approximately \$135.1 million, beginning January 1, 2023.

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.
- Alternative Interim Rate Proposal – outlines an alternative interim rate package that mitigates the interim rate increase impact.
- 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 MYRP, consisting of a traditional 2022 test year and 2023 and 2024 plan years reflecting our forecasted cost of service in each year. Our request results in final net revenue increases of \$396.0 million (12.2 percent) in 2022, an incremental \$150.2 million (4.8 percent) in 2023 and an incremental \$131.2 million (4.2 percent) in 2024, all based on present revenues. All revenue deficiencies are based on a 10.20 percent return on equity. We structured our MYRP to be consistent with the MYRP Statute and with the Commission’s MYRP Order,² as appropriate.

The MYRP we propose builds on the success of the 2016-2019 MYRP and will allow the Company to continue providing leadership on a number of key initiatives, including: (1) expanding our renewable energy portfolio and further transforming our generation fleet, as we lead the clean energy transition; (2) creating an advanced distribution grid to better serve our customers and enable further transformation of our overall energy delivery system; and (3) assisting in continued beneficial

² See Docket No. E,G999/M-12-587, Order Establishing Terms, Conditions, and Procedures for Multiyear Rate Plans, June 17, 2013.

electrification. The MYRP also enables the Company to continue improving the customer experience while also maintaining safe, reliable and affordable energy service for our customers. Overall, the proposed MYRP enables the Company to continue furthering State policy by reducing our greenhouse gas emissions, making the necessary investments in our system and, by providing another extended rate compact, affording all stakeholders the ability to continue to work together on these important policy objectives and address emerging issues during these years.

With our MYRP, we are proposing to recover the costs of several projects currently recovered in either the Transmission Cost Recovery (TCR) Rider or the Renewable Energy Standard (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 Metropolitan Emissions Reduction Project (MERP) Rider, the RES Rider, and State Energy Policy (SEP) 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 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, we also provide forecast and cost of service information for 2025 and 2026, 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 extended MYRP.

II. INTERIM RATE REQUEST

As directed by the MYRP Statute, our interim rate request follows the traditional means of establishing interim rates for 2022.³ We also include an additional adjustment for our 2023 request. We include a complete list and discussion of the adjustments made to the 2022 test year and 2023 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

³ 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.

certain other capital projects, currently proposed for recovery through our TCR or RES Rider during the pendency of this rate case. Therefore, we have not included these costs in our interim rate request and no adjustment is necessary for them.

We respectfully request that the Commission grant our interim rate request for both 2022 and 2023. 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 2022 interim rates would be compared against 2022 final rates and 2023 interim rates would be compared against 2023 final rates for the purposes of determining if refunds are due and, if so, in what amount.

A. 2022 Interim Rate Adjustments

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

The Company is proposing to include in the final rates the rate base and cost components associated with certain renewable energy projects previously recovered through the RES Rider. Specifically, the Company proposes to roll into base rates Courtenay, Foxtail, Blazing Star I and II, Lake Benton, Crowned Ridge, Jeffers, Community Wind North, Mower, Freeborn and Dakota Range Wind Farms coincident with the implementation of Final Rates.⁴ 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 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 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

⁴ 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 2022 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 MERP costs recovered through the 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.”⁵ 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 Energy must use an ROE of 9.06 percent 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 (PPA) 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 2022-2023. The interim rate revenue requirement is being

⁵ 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 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 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 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. Electric Vehicle Rebate Removal

The Company includes electric vehicles rebates in its capital budget for this case, at the level proposed in the COVID-19 Relief and Recovery (R & R) docket, Docket No. E002/M-20-745. The amounts included in this case cover rebate payments for both light-duty vehicles and electric buses, both transit and school. The R & R docket is currently pending before the Commission. The interim rate revenue requirement is being adjusted to remove these proposed rebates.⁶

8. Electric Battery Reserve

The Company has included the impact of modifications to the remaining life of the Luverne Wind2Battery System and reserve reallocations to certain Other Production accounts, originally proposed in the Remaining Lives docket, Docket No. E,G002/D-19-723. These proposals were not adopted in the Remaining Lives docket and the issue was deferred to this proceeding. The interim rate revenue requirement is being adjusted to remove the impact of these proposed modifications.

⁶ During final review of this Interim Rate Petition, the Company discovered an error in its adjustment for this item. The Company inadvertently removed more capital for these rebates than was included in the cost of service, lowering the Company’s interim revenue requirement in both 2022 and 2023. Given the late discovery and the fact that this error benefits customers, the Company does not seek to correct this error.

9. Incentive Recovery Cap Reset

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

10. 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.

11. 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.

12. 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.

13. 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.

14. Depreciation Study: Transmission, Distribution, and Generation (TD&G) Facilities

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-21-584, 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.

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 IRC Section 1.167(l)-(1)(h)(6) for forward looking test years. Based on that determination, an adjustment was included in the general rate petition. This interim 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 (NOL) Calculation

The Company has included the impacts on the change in the 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.

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 adjustment records the rate base and income statement changes in Cash Working Capital between the level calculated in determining the final revenue requirement and the interim cost of service.

B. 2023 Interim Rate Adjustments

The Company has made the same Interim Rate Adjustments for 2023 as it made for 2022, as discussed in Schedule B.

III. ALTERNATIVE INTERIM RATE PROPOSAL

The Company appreciates that our customers and communities continue to feel the impact of the COVID-19 pandemic and that a rate increase can be challenging at this time. Therefore, the Company considered whether the interim rate increase could be mitigated and believes it can be, as long as the Company gains assurance of an additional interim rate increase in 2023. Specifically, the Company can agree to an alternative interim rate package that would lower the Company's interim rate revenue requirement for 2022 from \$288.3 million to \$190.3 million. If the Commission sees value in mitigating the size of the 2022 interim rate increase, the Company can remove the impact of lower sales from interim rates for both 2022 and 2023 and continue to use a sales true-up for those years instead, using the same methodology as used for the 2021 true-up. In this way, the Company would defer collection of any lost sales revenues by a year. This would also reduce the incremental interim rate level for 2023, leading to a total interim rate increase of \$305.8 million under the Company's alternative proposal, compared to \$423.3 million under standard interim rates. The Company includes as Attachment A to this Petition the underlying calculations demonstrating these interim rate reductions. The Company stresses that the viability of this alternative interim rate package hinges on the Commission's approval of the 2023 interim rate level requested, adjusted to remove the impact of lost sales. Given the investments needed to be made in 2022 and 2023, the Company cannot agree to reduce interim rate levels by nearly \$100 million for 2022 without certainty that it will gain additional revenue relief beginning January 1, 2023.

If the Commission approves this alternative interim rate proposal, the 2022 interim rate increase will be uniformly billed as a 8.92 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2022 and another incremental 14.47 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2023. The Company would file amended interim rate schedules and interim rate tariff sheets reflecting these lower interim rate increases.

IV. 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 (401-8th 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 October 25, 2021. 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 October 25, 2021. The Application is filed in accordance with the requirements of Minn. Stat. § 216B.16, subd. 3 and 19.

Pursuant to the Interim Rate Statute,⁷ Xcel Energy requests that, if the Commission suspends the operation of the general rate schedules that accompany the Application pursuant to Minn. Stat. § 216B.16, subd. 2, 2022 interim rates be made effective on January 1, 2022, with 2023 interim rates effective January 1, 2023. Interim rates would be subject to refund, pending final Commission determination on the general electric rate increases for each year.

⁷ Minn. Stat. § 216B.16, subd. 3.

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 2022 and 2023 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 2022 test year and 2023 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 2022 interim revenue requirement:

- Renewable Energy Standard (RES) Rider Roll-In
- Transmission Cost Recovery (TCR) Rider Roll In
- Return on Equity (ROE)
- Aurora Deferral Expense Amortization Removal
- Pension Extend Deferral
- Pension Deferred Balance Amortization
- Electric Vehicle Rebate Removal
- Electric Battery Reserve
- Incentive Recovery Cap Reset
- Environmental Incentive Removal
- Time-Based Incentive Removal
- Prairie Island Tribal Payments
- XES Allocation Labor Hours

- Depreciation Study: Transmission, Distribution, and Generation (TD&G) Facilities
- Change in Accumulated Deferred Income Tax (ADIT) Pro-Rate
- Change in the Net Operating Loss (NOL) Calculation
- Cash Working Capital

We propose the same adjustments to the 2023 interim revenue requirement.

For a full listing, quantification and discussion of the adjustments made to the 2022 test year and 2023 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 \$288.3 million and an incremental \$135.1 million, beginning January 1, 2022 and 2023, 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 2020, 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, 2022. The 2023 plan year for Xcel Energy’s general electric rate increase filing is the calendar year ending December 31, 2023. Our interim rates revenue requests are determined using the 2022 test year and 2023 plan year revenue requirements.

Xcel Energy requests a 2022 interim rate adjustment that will increase Xcel Energy's base rate revenues by \$288.3 million, or 9.4 percent, above the test year gross revenues and an incremental 2023 interim rate adjustment that will increase Xcel Energy's base rate revenues by an additional \$135.1 million or an incremental 4.5 percent above the test year gross revenues (both 2022 and 2023 numbers calculated pursuant to this Commission Policy Statement). To collect these deficiencies, an interim rate adjustment will be uniformly billed as a 13.52 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2022 and another incremental 6.52 percent increase on the base rate portion of customers' bills (exclusive of fuel costs and certain rate riders) for 2023. 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 Schedules" 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 2022 and 2023 applies and lists those rate riders to which the interim rate increase does not apply.

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

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

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

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

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

Pursuant to Minn. Stat. § 216B.16, subd. 3, Xcel Energy's Agreement and Undertaking to make appropriate refunds if required is contained in the Application and Interim Volume. The Company acknowledges it is proposing a MYRP which will cover a three-

year period. We do not believe timing will be an issue, given the experience gained with refunding interim rates as part of our two most recent electric rate cases which also presented multi-year rate requests. For that reason, we are proposing to use the refund methods we used in those prior electric rate cases.

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

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

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

The requested schedules and workpapers described in the Commission's Policy Statement are included with this Petition under the tab marked "Interim Rate Supporting Schedules and Workpapers" of the Application and Interim Volume. These schedules include the rate base amounts; income statement amounts; revenue deficiencies; capital structures and rates of return required for interim rates as compared to the same information for Xcel Energy's general rate increase Application; and a comparison to both the allowed amounts in Docket No. E002/GR-15-826 and the most recent actual year 2020.

**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 Schedules 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 2022 test year be made effective on January 1, 2022 and for the 2023 plan year be made effective on January 1, 2023, with both subject to refund, pending final Commission action on the Company's general electric rate increase Application.

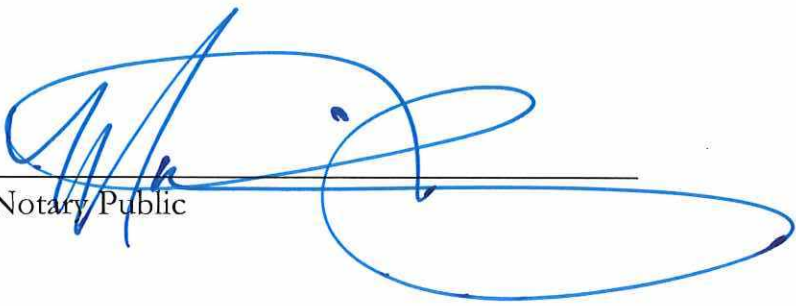
Dated: October 25, 2021

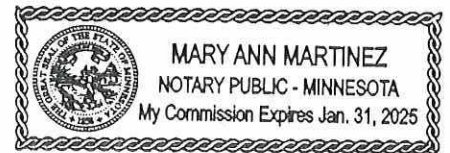
Respectfully submitted,



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

Subscribed and sworn to before
me this 25 day of OCTOBER, 2021



Notary Public

Sales Impact on Revenue Requirement - Baseline 2016 to TY 2022 and PY 2023

MWH Sales	TY 2022	PY 2023	Source
a. Baseline 2016 WN Sales	30,149,336	30,149,336	See note 1
b. New MYRP Sales Forecast	28,183,385	27,898,322	See note 2
c. Change	-1,965,950	-2,251,013	b-a
d. Percent Change	-6.52%	-7.47%	c/a

Base Revenue (\$1,000's)			
e. Baseline 2016 WN Sales @ Current TCJA Rates	\$2,208,958	\$2,208,958	See note 3
f. New MYRP Sales @ TCJA Rates	\$2,110,914	\$2,091,365	See note 4
g. Sales Revenue Impact @ TCJA Rates	-\$98,044	-\$117,594	f-e
h. Percent Change	-4.44%	-5.32%	g/e

Sales Impact Revenue Requirement - recover in Sales True-up

Proposed Reset of Class Allocation	TY 2022		PY 2023		2022	2023
	Proposed	Proposed	Proposed	Proposed		
	Base Revenue	Base Revenue	Base Revenue	Base Revenue	\$1000's	\$1000's
	\$1,000's	%	\$1,000's	%		
i. Residential	\$1,148,547	41.9%	\$1,207,672	42.4%	\$41,129	\$49,802
j. Commercial	\$94,462	3.5%	\$98,110	3.4%	\$3,383	\$4,046
k. Demand	\$1,484,748	54.2%	\$1,535,145	53.8%	\$53,168	\$63,307
l. OPA	\$7,184	0.3%	\$7,388	0.3%	\$257	\$305
m. Metered Lighting	\$2,503	0.1%	\$2,734	0.1%	\$90	\$113
n. Interdepartmental	\$490	0.0%	\$516	0.0%	\$18	\$21
o. Total	\$2,737,934		\$2,851,566		\$98,044	\$117,594

Notes

- 19-688, Feb 1, 2021 Sales True-up filing (2020 Results), Att F, Pg 1, Line a
- 21-630, Interim Petition, Sch 2 - Sales and Revenue by Rate Schedule, Annual MWH Sales w/o non-metered Lighting
- 19-688, Feb 1, 2021 Sales True-up filing (2020 Results), Att F, Pg 1, Line f
- 21-630, Interim Petition, Sch 2 - Sales and Revenue by Rate Schedule, Annual Present Revenue w/o non-metered Lighting

Sales True-up Calculation - 2022 - With 2022 Sales Impact Under-Recovery

MWH Sales	Residential	Commercial	Demand	OPA	Metered Ltg	Interdept	Total	Source
a. New MYRP Sales Forecast	8,668,299	814,694	18,589,464	63,848	40,946	6,133	28,183,385	See note 1
b. Actual Sales	8,668,299	814,694	18,589,464	63,848	40,946	6,133	28,183,385	
c. Change	0	0	0	0	0	0	0	b-a
d. Percent Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	c/a
Base Revenue at Alternate Interim Rates (\$1,000's)								
e. New MYRP Sales Forecast	\$975,008	\$83,686	\$1,231,679	\$6,191	\$2,230	\$413	\$2,299,208	See note 2
f. Actual Sales	\$975,008	\$83,686	\$1,231,679	\$6,191	\$2,230	\$413	\$2,299,208	
g. Sales Revenue Impact	\$0	\$0	\$0	\$0	\$0	\$0	\$0	f-e
h. Percent Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	g/e
i. 2022 Revenue (Under) or Over Recovery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
j. Net Current True-up	\$0	\$0	\$0	\$0	\$0	\$0	\$0	g+i
k. Final Percent Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	j/e
l. Sales Forecast MWh YE Mar2024							0	
m. Current Year True-up Factor per kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	-j/l
2022 Sales Impact Recovery								
o. 2022 Sales Impact Under-Recovery							-\$98,044	See note 3
p. New MYRP TY 2022 Proposed Base Revenue	\$1,148,547	\$94,462	\$1,484,748	\$7,184	\$2,503	\$490	\$2,737,934	
q. New MYRP TY 2022 Prop Base Revenue Alloc	41.9%	3.5%	54.2%	0.3%	0.1%	0.0%	100.0%	
r. 2022 Sales Impact Under-Recovery Alloc	-\$41,129	-\$3,383	-\$53,168	-\$257	-\$90	-\$18	-\$98,044	o*q
s. Current True-up + 2022 Sales Impact	-\$41,129	-\$3,383	-\$53,168	-\$257	-\$90	-\$18	-\$98,044	j+r
t. Total True-up Factor per kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	-s/l

Notes

- 21-630, Interim Petition, Sch 2 - Sales and Revenues by Rate Schedule, Annual MWH Sales
- 21-630, Interim Petition, Sch 2 - Sales and Revenue by Rate Schedule, Annual Interim Revenue
- See Schedule A, Page 1, line g

Xcel Energy Minnesota Electric Prices

Interim Change in Electric Rates Starting January 1, 2022

Until Final Decision is Made

Xcel Energy's Rate Increase Request

Xcel Energy has asked the Minnesota Public Utilities Commission (PUC) for an increase in electric rates to be phased in over a three-year period beginning Jan. 1, 2022. The requested increase for 2022 is about 12.2% or \$396.0 million. Xcel Energy requested an additional 4.8% or \$150.2 million for 2023, and an additional 4.2% or \$131.2 million for 2024. The total increase requested for the three-year period is 21.2% or \$677.3 million.

While the PUC reviews Xcel Energy's request, state law allows Xcel Energy to collect higher rates on an interim (temporary) basis, beginning Jan. 1, 2022. The total interim rate increase for 2022 is 9.4% or \$288.3 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 13.52% increase, or \$8.40 per month, for a typical residential customer using 601 kWh.

Because Xcel Energy is requesting a multiyear rate plan, the company is requesting a second, 4.5% or \$135.1 million interim rate increase above 2022 levels starting Jan. 1, 2023. If approved, the company will provide additional details before this increase happens.

The PUC will likely make its decision on the overall rate request in 2023. 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. During this time, Xcel Energy has continually invested in strengthening the energy grid and enhancing the reliability of the service our customers count on while expanding clean energy. These projects are key to meeting our customers' needs today and in the future, as we build toward our vision of providing 100% carbon-free electricity to customers by 2050. A three-year rate plan provides Xcel Energy and our customers with more predictable rates for a longer period.

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 66% of your total bill. This rate increase request does not affect the Fuel Cost Charge.

Customer type	Average 2022 monthly kWh usage	Current monthly cost	2022 Interim monthly increase	2023 Interim monthly increase	Proposed 2022 monthly cost	Proposed 2022 monthly increase	Proposed 2023 monthly increase (Cumulative 2022+2023)	Proposed 2024 monthly increase (Cumulative 2022+2023+2024)
Residential - Overhead line service	514	\$77.57	\$7.54	\$11.04	\$87.49	\$9.92	\$12.27	\$14.75
Residential - Underground line service	752	\$111.78	\$10.81	\$15.80	\$125.60	\$13.81	\$17.24	\$20.87
Energy-Controlled (Dual Fuel)	1,019	\$93.43	\$6.85	\$10.06	\$106.40	\$12.97	\$17.78	\$21.41
Small General Service	794	\$109.15	\$10.21	\$14.92	\$119.10	\$9.95	\$12.46	\$14.63
Small General Time-of-Day Service	1,089	\$134.93	\$12.01	\$17.59	\$147.71	\$12.78	\$15.72	\$18.21
General Service	14,670	\$1,679.88	\$145.19	\$211.03	\$1,867.18	\$187.30	\$213.28	\$226.47
General Time-of-Day Service	123,490	\$11,699.82	\$918.85	\$1,324.87	\$12,966.05	\$1,266.24	\$1,326.92	\$1,872.25
Peak-Controlled Service	67,093	\$9,040.31	\$825.69	\$1,202.77	\$10,100.96	\$1,060.65	\$1,265.88	\$1,383.12
Peak-Controlled Time-of-Day Service	605,194	\$66,153.60	\$5,562.15	\$8,164.52	\$73,651.86	\$7,498.26	\$9,421.86	\$11,190.54
Small Municipal Pumping	615	\$86.84	\$8.22	\$12.04	\$94.79	\$7.96	\$9.77	\$12.84
Municipal Pumping	8,369	\$1,082.84	\$98.44	\$145.17	\$1,202.67	\$119.83	\$152.06	\$166.11

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
Residential		
Overhead line	\$8.00	\$9.50
Overhead line - electric heating	\$10.00	\$11.50
Underground line	\$10.00	\$11.50
Underground line - electric heating	\$12.00	\$13.50
Small Commercial		
Small General	\$10.00	\$11.50
Small General Time-of-Day	\$12.00	\$13.50
Commercial and Industrial		
General	\$25.64	\$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 2022	Proposed 2023	Proposed 2024
Residential				
Energy: Summer (June-September)	10.301 ¢	12.994 ¢	13.748 ¢	14.453 ¢
Energy: Winter (Other months)	8.803 ¢	11.285 ¢	11.980 ¢	12.640 ¢
Energy: Winter - electric heating	5.988 ¢	8.136 ¢	8.831 ¢	9.491 ¢
Small General				
Energy: Summer	9.256 ¢	11.372 ¢	11.980 ¢	12.554 ¢
Energy: Winter	7.757 ¢	9.663 ¢	10.212 ¢	10.740 ¢
Small General Time-of-Day				
Energy: On-Peak Summer	14.880 ¢	18.449 ¢	19.586 ¢	20.560 ¢
Energy: On-Peak Winter	11.723 ¢	14.679 ¢	15.686 ¢	16.558 ¢
Energy: Off-Peak	4.170 ¢	5.506 ¢	5.677 ¢	5.918 ¢
General				
Energy	3.407 ¢	4.738 ¢	4.993 ¢	5.213 ¢
Demand: Summer	\$14.79	\$17.48	\$18.10	\$18.52
Demand: Winter	\$10.49	\$12.89	\$13.50	\$13.92
General Time-of-Day				
Energy: On-Peak	4.855 ¢	6.502 ¢	6.851 ¢	7.154 ¢
Energy: Off-Peak	2.341 ¢	3.422 ¢	3.606 ¢	3.765 ¢
Demand: Summer	\$14.79	\$17.48	\$18.10	\$18.52
Demand: Winter	\$10.49	\$12.89	\$13.50	\$13.92

Note: Proposed lighting rate changes vary according to the type of lighting. The proposed final increase is 23.9% for full-service street lighting, 15.6% for energy-only street lighting service, and 23.9% for residential and commercial protective lighting.

What is Xcel Energy doing to control costs?

- Providing 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.

Help with bills

If you are having trouble making regular payments on your Xcel Energy account, contact us as soon as possible. We'll work with you arrange a payment plan and connect you to other resources that can help.

What is the process for reviewing Xcel Energy's rate increase request?

The PUC, the Minnesota Department of Commerce, 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 PUC 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

xcelenergy.com/2022MNRates

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

Xcel Energy

Web: xcelenergy.com/2022MNRates

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 21 in the year field, enter 630 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 PUC's Consumer Affairs Office

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

Email: consumer.puc@state.mn.us

Online: <https://mn.gov/puc/consumers/public-comments/> See section "How to Submit a Comment" to find a list of ways to comment.

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

Be sure to reference docket number 21-630

Important

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 PUC does not edit or delete personally identifying information from submissions.

xcelenergy.com

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STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Katie J. Sieben	Chair
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 MINNESOTA

DOCKET NO. E002/GR-21-630

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: October 25, 2021

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.

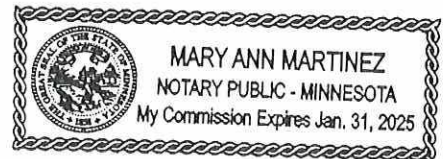
Dated: October 25, 2021



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

Subscribed and sworn to before
me this 25 day of OCTOBER, 2021

Notary Public



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 on rounded 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, 2020. 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-21-630
 Schedule A
 Part 1 of 3
 Page 1 of 1**

Line No.	Description	2022 Interim Rate Petition Present Rates
1	Average Rate Base	\$8,784,375
2	Operating Income	\$350,790
3	Allowance for funds used during construction	\$33,212
4	Total Available for Return	\$384,001
5	Overall Rate of Return (Line 4 / Line 1)	4.37%
6	Required Rate of Return	6.71%
7	Required Operating Income (Line 1 x Line 6)	\$589,432
8	Income Deficiency (Line 7 - Line 4)	\$205,430
9	Gross Revenue Conversion Factor	1.40335
10	Revenue Deficiency (Line 8 x Line 9)	\$288,291
11	Retail Related Revenues Under Present Rates	\$3,062,937
12	Percentage Increase Needed in Overall Revenue (Line 10 / Line 11)	9.41%

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

**Docket No. E002/GR-21-630
Schedule A
Part 2 of 3
Page 1 of 1**

Line No.	Description	2022 Interim Rate Petition Present Rates
<u>Operating Revenues</u>		
1	Retail	\$3,062,558
2	Interdepartmental	380
3	Other Operating	594,487
4	Total Operating Revenues	\$3,657,425
<u>Expenses</u>		
Operating Expenses:		
5	Fuel and Purchased Energy	\$1,003,935
6	Power Production	576,285
7	Transmission	267,159
8	Distribution	120,803
9	Customer Accounting	51,137
10	Customer Service & Information	130,239
11	Sales, Econ Dvlp & Other	7,541
12	Administrative & General	221,944
13	Total Operating Expenses	\$2,379,043
14	Depreciation	\$708,164
15	Amortizations	\$53,321
Taxes:		
16	Property	\$182,846
17	Deferred Income Tax & ITC	(192,312)
18	Federal & State Income Tax	148,939
19	Payroll & Other	26,635
20	Total Taxes	\$166,107
21	Total Expenses	\$3,306,635
22	Operating Income	350,790
23	Allowance for Funds Used During Construction	\$33,212
24	Total Operating Income	\$384,001

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-21-630
Schedule A
Part 3 of 3
Page 1 of 1**

Line No.	Description	2022 Interim Rate Petition Present Rates
	Electric Plant as Booked	
1	Production	\$10,737,447
2	Transmission	2,725,757
3	Distribution	4,347,965
4	General	1,087,644
5	Common	964,966
6	TOTAL Utility Plant in Service	<u>\$19,863,780</u>
	Reserve for Depreciation	
7	Production	\$6,830,699
8	Transmission	688,625
9	Distribution	1,558,843
10	General	558,186
11	Common	430,765
12	TOTAL Reserve for Depreciation	<u>\$10,067,118</u>
	Net Utility Plant in Service	
13	Production	\$3,906,748
14	Transmission	2,037,133
15	Distribution	2,789,122
16	General	529,458
17	Common	534,201
18	Net Utility Plant in Service	<u>\$9,796,662</u>
19	Utility Plant Held for Future Use	\$0
20	Construction Work in Progress	\$435,597
21	Less: Accumulated Deferred Income Taxes	\$1,706,428
22	Cash Working Capital	(\$153,529)
	Other Rate Base Items:	
23	Materials and Supplies	\$154,701
24	Fuel Inventory	69,767
25	Non-Plant Assets & Liabilities	66,154
26	Prepayments and Other Working Capital	121,450
27	Total Other Rate Base Items	<u>\$412,073</u>
28	Total Average Rate Base	<u><u>8,784,375</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-21-630
Schedule B
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Line No.	Description	2022 General Rate Case Filing (A)	2022 Interim Rate Petition Present Rates (B)	Change (C) = (B) - (A)
	Electric Plant as Booked			
1	Production	\$12,602,186	\$10,737,447	(\$1,864,738)
2	Transmission	3,683,180	2,725,757	(957,422)
3	Distribution	4,387,561	4,347,965	(39,597)
4	General	1,087,644	1,087,644	-
5	Common	964,966	964,966	-
6	TOTAL Utility Plant in Service	\$22,725,537	\$19,863,780	(\$2,861,757)
	Reserve for Depreciation			
7	Production	\$6,977,459	\$6,830,699	(\$146,759)
8	Transmission	818,963	688,625	(130,338)
9	Distribution	1,560,971	1,558,843	(2,128)
10	General	558,584	558,186	(397)
11	Common	430,957	430,765	(192)
12	TOTAL Reserve for Depreciation	\$10,346,933	\$10,067,118	(\$279,815)
	Net Utility Plant in Service			
13	Production	\$5,624,727	\$3,906,748	(\$1,717,979)
14	Transmission	2,864,217	2,037,133	(827,085)
15	Distribution	2,826,590	2,789,122	(37,468)
16	General	529,061	529,458	397
17	Common	534,009	534,201	192
18	Net Utility Plant in Service	\$12,378,604	\$9,796,662	(\$2,581,942)
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$436,833	\$435,597	(\$1,236)
21	Less: Accumulated Deferred Income Taxes	\$2,178,105	\$1,706,428	(\$471,677)
22	Cash Working Capital	(\$152,392)	(\$153,529)	(\$1,138)
	Other Rate Base Items:			
23	Materials and Supplies	\$154,701	\$154,701	\$0
24	Fuel Inventory	\$69,767	\$69,767	-
25	Non-Plant Assets & Liabilities	\$97,858	\$66,154	(31,703)
26	Prepayments and Other Working Capital	\$124,104	\$121,450	(2,654)
27	Total Other Rate Base Items	\$446,430	\$412,073	(\$34,357)
28	Total Average Rate Base	\$10,931,371	\$8,784,375	(\$2,146,996)

**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 2022 - 2023. 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.

Electric Vehicle Rebate Removal.

The Company is requesting authorization to include in the general rate petition the impact of certain electric vehicle rebates introduced in its Relief and Recovery docket (Docket No. E,G-999/CI-20-492). This proposal has not been approved, and therefore the interim rate revenue requirement is being adjusted to remove the rate base components associated with these rebates.

Electric Battery Reserve Reallocation.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723. The Company had proposed modifications to the remaining life of the Luverne Wind2Battery System and reserve reallocations to certain Other Production accounts that were not adopted in the Remaining Lives docket. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the impacts of these reserve reallocations.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-21-584, which updates the depreciation rates as proposed in the compliance filing. 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 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, and as such, an adjustment was included in the general rate petition. The interim rate base adjustment records the change in the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation.

The Company has included the impacts on the change in the Net Operating Loss and tax credit deferred tax assets (collectively a DTA) carried forward from prior years in determining 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 DTA and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate base adjustment records the change in the DTA 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	2022 General Rate Case Filing (1)	Interim Adjustments						Secondary Calculations			2022 Interim Rate Petition Present Rates (1)	
			RES Roll-In Removal (2)	TCR Roll-In Removal (3)	Aurora Removal (4)	Pension Extend Deferral (5)	EV Rebate Removal (6)	Electric Battery Reserve (7)	Depr Study: TD&G (8)	ADIT Pro-Rate Adj (9)	NOL Adj (10)		Cash Working Capital (11)
1	Utility Plant in Service	\$22,725,537	(\$1,919,597)	(\$902,563)				(\$39,597)					\$19,863,780
2	Less: Reserve for Depreciation	10,346,933	(\$148,858)	(\$128,090)				(\$2,145)	(\$133)	(\$589)			10,067,118
3	Net Utility Plant in Service	\$12,378,604	(\$1,770,739)	(\$774,473)	\$0	\$0		(\$37,452)	\$133	\$589	\$0	\$0	\$9,796,662
4	Utility Plant Held for Future Use	\$0											\$0
5	Construction Work in Progress	\$436,833	(\$79)	(\$1,157)									\$435,597
6	Less: Accumulated Deferred Income Taxes	\$2,178,105	(\$269,022)	(\$188,144)		(\$8,877)		(\$10,487)	\$37	\$165	\$4,430	221	\$1,706,428
7	Cash Working Capital	(\$152,392)										(1,138)	(\$153,529)
Other Rate Base Items													
8	Materials and Supplies	\$154,701											\$154,701
9	Fuel Inventory	69,767											\$69,767
10	Non-Plant Assets & Liabilities	97,858					(\$31,703)						\$66,154
11	Prepayments and Other Working Capital	124,104			(\$2,654)								\$121,450
12	Total Other Rate Base Items	\$446,430	\$0	\$0	(\$2,654)	(\$31,703)	\$0	\$0	\$0	\$0	\$0	\$0	\$412,073
13	Total Average Rate Base	\$10,931,371	(\$1,501,796)	(\$587,486)	(\$2,654)	(\$22,826)	(\$26,965)	\$96	\$424	(\$4,430)	(\$221)	(\$1,138)	\$8,784,375

(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-21-630
Schedule B
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Line No.	Description	2022 General Rate Case Filing (A)	2022 Interim Rate Petition Present Rates (B)	Change (C) = (B) - (A)
<u>Operating Revenues</u>				
1	Retail	\$3,255,934	\$3,062,558	(\$193,376)
2	Interdepartmental	380	380	0
3	Other Operating	595,815	594,487	(1,328)
4	Total Operating Revenues	<u>\$3,852,129</u>	<u>\$3,657,425</u>	<u>(\$194,704)</u>
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Power	\$1,003,935	\$1,003,935	\$0
6	Power Production	609,533	576,285	(33,247)
7	Transmission	267,159	267,159	0
8	Distribution	120,803	120,803	0
9	Customer Accounting	51,137	51,137	0
10	Customer Service & Information	130,239	130,239	0
11	Sales, Econ Dvlp & Other	7,541	7,541	0
12	Administrative & General	236,784	221,944	(14,840)
13	Total Operating Expenses	<u>\$2,427,130</u>	<u>\$2,379,043</u>	<u>(\$48,087)</u>
14	Depreciation	\$815,505	\$708,164	(\$107,340)
15	Amortization	\$61,229	\$53,321	(\$7,908)
Taxes:				
16	Property	\$203,210	\$182,846	(\$20,365)
17	Deferred Income Tax & ITC	(67,718)	(192,312)	(124,595)
18	Federal & State Income Tax	(97,637)	148,939	246,576
19	Payroll & Other	26,699	26,635	(64)
20	Total Taxes	<u>\$64,555</u>	<u>\$166,107</u>	<u>\$101,552</u>
21	Total Expenses	<u>\$3,368,419</u>	<u>\$3,306,635</u>	<u>(\$61,784)</u>
22	Operating Income	483,710	350,790	(\$132,920)
23	AFUDC	<u>\$33,212</u>	<u>\$33,212</u>	<u>\$0</u>
24	Total Operating Income	<u><u>\$516,922</u></u>	<u><u>\$384,001</u></u>	<u><u>(\$132,920)</u></u>

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 2022 - 2023. 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.

Electric Battery Reserve Reallocation.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723. The Company had proposed modifications to the remaining life of the Luverne Wind2Battery System and reserve reallocations to certain Other Production accounts that were not adopted in the Remaining Lives docket. The interim rate revenue requirement is being adjusted to remove the revenue and cost components associated with the impacts of these reserve reallocations.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-21-584, which updates the depreciation rates as proposed in the compliance filing. The interim rate revenue requirement is

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

Electric Vehicle Rebate Removal.

The Company is requesting authorization to include in the general rate petition the impact of certain electric vehicle rebates introduced in its Relief and Recovery docket (Docket No. E,G-999/CI-20-492). This proposal has not been approved, and therefore the interim rate revenue requirement is being adjusted to remove the cost components associated with these rebates.

Change In Cost Of Capital

The final general rate petition 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 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, and as such, an adjustment was included in the general rate petition. The interim rate base adjustment records the change in the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation

The Company has included the impacts on the change in the Net Operating Loss and tax credit deferred tax assets (collectively a DTA) 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 DTA and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate

adjustment records the change in the DTA 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.

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

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<u>Line No.</u>	<u>Description</u>	<u>2022 General Rate Case Filing (A)</u>	<u>2022 Interim Rate Petition Present Rates (B)</u>	<u>Change (C) = (B) - (A)</u>
1	Average Rate Base	\$10,931,371	\$8,784,375	(\$2,146,996)
2	Required Rate of Return	7.31%	6.71%	-0.60%
3	Operating Income Requirement (Line 1 x Line 2)	\$799,083	\$589,432	(\$209,652)
4	Operating Income Under Present Rates	\$516,922	\$384,001	(\$132,920)
5	Operating Income Deficiency (Line 3 - Line 4)	\$282,161	\$205,430	(\$76,731)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	\$395,972	\$288,291	(\$107,681)

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

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Line No.	Description	Present Rates	2022 Interim	Change
		General Rate Case Approved E,G999/CI-17-895 (1)	Rate Petition Present Rates	
		(A)	(B)	(C) = (B) - (A)
	Electric Plant as Booked			
1	Production	\$10,060,608	\$10,737,447	\$676,840
2	Transmission	2,397,725	2,725,757	328,033
3	Distribution	3,658,370	4,347,965	689,594
4	General	888,530	1,087,644	199,114
5	Common	781,187	964,966	183,779
6	TOTAL Utility Plant in Service	<u>\$17,786,420</u>	<u>\$19,863,780</u>	<u>2,077,360</u>
	Reserve for Depreciation			
7	Production	\$6,015,790	\$6,830,699	\$814,909
8	Transmission	619,062	688,625	69,563
9	Distribution	1,391,483	1,558,843	167,359
10	General	451,746	558,186	106,440
11	Common	412,713	430,765	18,052
12	TOTAL Reserve for Depreciation	<u>\$8,890,795</u>	<u>\$10,067,118</u>	<u>\$1,176,323</u>
	Net Utility Plant in Service			
13	Production	\$4,044,818	\$3,906,748	(\$138,069)
14	Transmission	1,778,663	2,037,133	258,470
15	Distribution	2,266,887	2,789,122	522,235
16	General	436,784	529,458	92,674
17	Common	368,473	534,201	165,728
18	Net Utility Plant in Service	<u>\$8,895,625</u>	<u>\$9,796,662</u>	<u>\$901,037</u>
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$380,350	\$435,597	\$55,247
21	Less: Accumulated Deferred Income Taxes	\$2,151,719	\$1,706,428	(\$445,291)
22	Cash Working Capital	(\$111,130)	(\$153,529)	(\$42,399)
	Other Rate Base Items:			
23	Materials and Supplies	\$135,797	\$154,701	\$18,904
24	Fuel Inventory	\$73,476	69,767	(3,708)
25	Non-Plant Assets & Liabilities	\$27,456	66,154	38,698
26	Prepayments and Other Working Capital	<u>\$151,609</u>	<u>121,450</u>	<u>(30,159)</u>
27	Total Other Rate Base Items	\$388,338	\$412,073	\$23,734
28	Total Average Rate Base	<u><u>\$7,401,465</u></u>	<u><u>\$8,784,375</u></u>	<u><u>\$1,382,910</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 NSPM for 2022 interim rates has increased \$1.383 billion, an increase of 18.7 percent over the final rate base level approved in Docket No. E,G999/CI-17-895.

Net Utility Plant in Service has increased \$901 million. The primary driver of this growth has been the additional Company investments in Distribution functional assets. Changes in this functional class accounts for 58% of the Net Plant increase.

Net Production Plant has decreased by \$138 million, a decrease of 3.4 percent since the last approved rate case, Net Transmission Plant increased \$258 million (5.4 percent) while the Net Distribution Plant increased by \$522 million (23.0 percent). Net General Plant increased approximately \$93 million with the approximate \$166 million increase in Net Common Plant accounts for the remainder of the overall Net Plant increase.

Construction Work in Progress has increased approximately \$55 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 \$445 million.

Since the last General Rate Order, Cash Working Capital requirements, a rate base deduction, have increased by \$42 million, causing a decrease to the average Rate Base. 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 \$24 million. This increase was driven by an overall increase in Materials and Supplies of \$19 million and Non-Plant Assets and Liabilities of \$39

million. Offsetting these increases were a decrease in Prepayments and Other Working Capital of \$30 million and a decrease in Fuel Inventory of \$4 million.

In summary, the net effect of the increase in Net Plant in Service, \$901 million, the increase in CWIP of approximately \$55 million, the decreased Accumulated Deferred Income Taxes (an increase to rate base) of approximately \$445 million, the increase in Cash Working Capital of \$42 million, and the \$24 million increase in Other Rate Base Items accounts for the \$1.383 billion 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)

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Line No.	Description	Present Rates	2022 Interim	Change (C) = (B) - (A)
		From Most Recent General Rate Case Approved E,G999/CI-17-895 (1) (A)	Rate Petition Present Rates (B)	
<u>Operating Revenues</u>				
1	Retail	\$3,188,988	\$3,062,558	(\$126,430)
2	Interdepartmental	672	380	(293)
3	Other Operating	687,000	594,487	(92,512)
4	Total Operating Revenues	\$3,876,660	\$3,657,425	(\$219,235)
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,125,206	\$1,003,935	(\$121,271)
6	Power Production	684,262	576,285	(107,977)
7	Transmission	250,967	267,159	16,192
8	Distribution	111,186	120,803	9,618
9	Customer Accounting	50,555	51,137	582
10	Customer Service & Information (2)	95,067	130,239	35,172
11	Sales, Econ Dvlp & Other	69	7,541	7,472
12	Administrative & General	224,433	221,944	(2,488)
13	Total Operating Expenses	\$2,541,744	\$2,379,043	(\$162,701)
14	Depreciation	\$568,522	\$708,164	\$139,643
15	Amortizations	\$24,140	\$53,321	\$29,181
Taxes:				
16	Property	\$198,796	\$182,846	(\$15,950)
17	Deferred Income Tax & ITC	(2,106)	(192,312)	(190,206)
18	Federal & State Income Tax	19,539	148,939	129,400
19	Payroll & Other	29,896	26,635	(3,261)
20	Total Taxes	\$246,124	\$166,107	(\$80,017)
21	Total Expenses	\$3,380,530	\$3,306,635	(\$73,895)
22	Operating Income	\$496,130	\$350,790	(\$145,341)
23	AFUDC	\$27,894	\$33,212	\$5,318
24	Total Operating Income	\$524,024	\$384,001	(\$140,022)

Note: 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 total operating income of \$140 million.

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

Total Operating Revenues decreased approximately \$219 million, which is the combination of decreased Retail Electric Revenues of \$127 million and decreased Other Revenues of approximately \$93 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 Operating Revenues decreased by \$93 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 \$121 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 \$108 million associated with decreases in both nuclear and steam operations.

Other Operating Expenses increased by approximately \$67 million. The changes that occurred in the various cost functions are: Transmission expense increased approximately \$16 million; Distribution expense increased \$10 million; Customer Accounting increased \$1 million; Customer Services and Information increased \$35 million and is due primarily to increased CIP program costs; Sales, Economic Development and Other increased \$7 million; and finally, Administrative and General expense decreased approximately \$2 million.

Depreciation expense increased approximately \$140 million, driven by higher annual depreciation specifically in Nuclear, General & Intangible, and Distribution.

Amortization costs in the Interim Rate Petition increased \$29 million compared with the current level in base rates. This change is primarily 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 \$16 million across all the functional classes.

Deferred Income Taxes and Current Federal & State Taxes combined have decreased by approximately \$61 million driven primarily by the deferral of Federal Tax Credits.

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

Compared to the last electric General Rate Order, Allowance for Funds Used During Construction increased approximately \$5 million.

Northern States Power Company
 Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2022 INTERIM RATES TO PRESENT RATES
SUMMARY OF REVENUE REQUIREMENTS
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Line No.	Description	Present Rates	2022 Interim	Change
		From Most Recent General Rate Case Approved E,G999/CI-17-895 (1)	Rate Petition Present Rates	(C) = (B) - (A)
		(A)	(B)	
1	Average Rate Base	\$7,401,465	\$8,784,375	\$1,382,910
2	Required Rate of Return	7.08%	6.71%	-0.37%
3	Operating Income Requirement (Line 1 x Line 2)	\$524,024	\$589,432	\$65,408
4	Operating Income Under Present Rates	\$524,024	\$384,001	(\$140,023)
5	Operating Income Deficiency (Line 3 - Line 4)	\$0	\$205,430	\$205,430
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	\$0	\$288,291	\$288,291

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

II. Capital Structure and Rate of Return Calculation for Proposed 2022 Interim Rates					
8	Long-Term Debt	\$6,873,445	46.89%	4.13%	1.94%
9	Short-Term Debt	\$88,882	0.61%	0.94%	0.01%
10	Long-Term and Short-Term Debt	\$6,962,327	47.50%		1.95%
11	Preferred Stock	\$0	0.00%	0.00%	0.00%
12	Net Common Equity	\$7,695,202	52.50%	9.06% *	4.76%
13	Total Equity	\$7,695,202	52.50%		4.76%
14	Total Capitalization	\$14,657,529	100.00%		6.71%

III. Amount of Changes Between I and II

	Amount		Change (C) = (B) - (A)
	Fiscal Year Most Recent General Rate Case Approved (A)	Proposed 2022 Interim Rate (B)	
Long-Term Debt	\$4,716,554	\$6,873,445	\$2,156,891
Short-Term Debt	\$173,470	\$88,882	(\$84,588)
Long-Term and Short-Term Debt	\$4,890,024	\$6,962,327	\$2,072,303
Preferred Stock	\$0	\$0	\$0
Net Common Equity	\$5,404,844	\$7,695,202	\$2,290,358
Total Equity	\$5,404,844	\$7,695,202	\$2,290,358
Total Capitalization	\$10,294,868	\$14,657,529	\$4,362,661

* 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 \$2.16 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 \$85 million, compared to the last electric General Rate Order.

The overall reduction in the weighted cost of debt (1.95 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 \$2.29 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 2022 INTERIM RATES TO 2020 ACTUAL
DETAILED RATE BASE COMPONENTS
(\$000's)

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Line No.	Description	Actual 2020 Adjusted (1) (A)	2022 Interim Rate Petition Present Rate (B)	Change (C) = (B) - (A)
	Electric as Booked			
1	Production	\$10,310,251	\$10,737,447	\$427,196
2	Transmission	2,406,019	2,725,757	319,738
3	Distribution	3,866,056	4,347,965	481,909
4	General	911,913	1,087,644	175,731
5	Common	726,744	964,966	238,222
6	TOTAL Utility Plant in Service	\$18,220,984	\$19,863,780	\$1,642,796
	Reserve for Depreciation			
7	Production	\$6,278,010	\$6,830,699	\$552,689
8	Transmission	626,264	688,625	62,361
9	Distribution	1,425,481	1,558,843	133,361
10	General	450,494	558,186	107,692
11	Common	307,104	430,765	123,661
12	TOTAL Reserve for Depreciation	\$9,087,353	\$10,067,118	\$979,764
	Net Utility Plant in Service			
13	Production	\$4,032,241	\$3,906,748	(\$125,493)
14	Transmission	1,779,755	2,037,133	257,377
15	Distribution	2,440,575	2,789,122	348,548
16	General	461,419	529,458	68,039
17	Common	419,640	534,201	114,561
18	Net Utility Plant in Service	\$9,133,630	\$9,796,662	\$663,032
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$491,727	\$435,597	(\$56,129)
21	Less: Accumulated Deferred Income Taxes	\$2,074,550	\$1,706,428	(\$368,122)
22	Cash Working Capital	(\$137,635)	(\$153,529)	(\$15,894)
	Other Rate Base Items:			
23	Materials and Supplies	\$153,610	\$154,701	\$1,091
24	Fuel Inventory	80,800	69,767	(11,033)
25	Non-Plant Assets & Liabilities	229,204	66,154	(163,050)
26	Prepayments and Other Working Capital	125,542	121,450	(4,092)
27	Total Other Rate Base Items	\$589,156	\$412,073	(\$177,083)
28	Total Average Rate Base	\$8,002,328	\$8,784,375	\$782,047

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

**COMPARISON OF PROPOSED 2022 INTERIM RATES TO 2020
ACTUAL
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

Total Average Rate Base used to determine the interim rate revenue requirement increased by \$782 million from 2020, the most recent actual fiscal year. The net increase is driven by increased Net Plant in Service which increased by \$663 million, decreased Construction Work in Progress (“CWIP”) of \$56 million, decreased Accumulated Deferred Income Taxes, (which increases Rate Base) of approximately \$368 million, an increase to Cash Working Capital (which decreases rate base) of \$16 million and an decrease in Other Rate Base Items of \$177 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 \$125 million, and increases in Net Transmission Plant of approximately \$257 million (current investments in these functional classes generally are included in various rider mechanisms). Net Distribution Plant increased approximately \$349 million. Net General and Common functional classes have a combined increase totaling \$183 million.

Construction Work in Progress decreased approximately \$56 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 \$368 million.

Cash Working Capital, a negative rate base component, increased by \$16 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 decrease in average rate base of approximately \$177 million. This decrease was driven by Fuel Inventory, Non-Plant Assets and Liabilities, and Prepayments and Other Working Capital collectively decreasing \$178 million, with a small offset caused by an increase in Materials and Supplies of \$1 million between the two periods.

In summary, the net effect of the increase in Net Plant in Service of \$663 million, the decrease in CWIP of \$56 million, the decrease in Accumulated Deferred Income Taxes (an increase to rate base), of approximately \$368 million, the increase in Cash Working Capital of \$16 million, and a \$177 million decrease from Other Rate Base Items accounts for the \$782 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 2020 ACTUAL
STATEMENT OF OPERATING INCOME
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Line No.	Description	Actual 2020 Adjusted (1) (A)	2022 Interim Rate Petition Present Rate (B)	Change (C) = (B) - (A)
Operating Revenues				
1	Retail	\$2,924,885	\$3,062,558	\$137,673
2	Interdepartmental	689	380	(309)
3	Other Operating	749,980	594,487	(155,492)
4	Total Operating Revenues	\$3,675,553	\$3,657,425	(\$18,128)
Expenses				
Operating Expenses:				
5	Fuel and Purchased Energy	\$967,386	\$1,003,935	\$36,548
6	Power Production	563,129	576,285	13,156
7	Transmission	324,321	267,159	(57,162)
8	Distribution	89,782	120,803	31,022
9	Customer Accounting	80,391	51,137	(29,254)
10	Customer Service & Information	131,197	130,239	(958)
11	Sales, Econ Dvlp & Other	2,194	7,541	5,347
12	Administrative & General	203,367	221,944	18,577
13	Total Operating Expenses	\$2,361,767	\$2,379,043	\$17,276
14	Depreciation	\$600,575	\$708,164	\$107,589
15	Amortizations	(\$66,500)	\$53,321	\$119,821
Taxes:				
16	Property	\$169,201	\$182,846	\$13,645
17	Deferred Income Tax & ITC	(93,253)	(192,312)	(99,059)
18	Federal & State Income Tax	124,218	148,939	24,721
19	Payroll & Other	25,764	26,635	871
20	Total Taxes	\$225,930	\$166,107	(\$59,823)
21	Total Expenses	\$3,121,772	\$3,306,635	\$184,863
22	Operating Income	\$553,781	\$350,790	(\$202,992)
23	AFUDC	\$24,852	\$33,212	\$8,360
24	Total Operating Income	\$578,633	\$384,001	(\$194,632)

Note: Revenues reflect calendar month sales.

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

**COMPARISON OF PROPOSED 2022 INTERIM RATES
TO 2020 ACTUAL
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the operating income used to determine interim rates to actual operating income from 2020, the most recent fiscal year, shows a decrease of \$195 million.

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

Total Operating Revenues decreased a net \$18 million, with Other Operating Revenue accounting for a \$155 million decrease. This was partially offset by Retail Revenues, which increased \$137 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 2020 fiscal year, the cost of Fuel and Purchased Energy increased by \$37 million. The cost of Power Production increased by \$13 million.

Excluding the cost of Fuel, Purchased Energy and Power Production, other operating expenses have a net decrease of approximately \$32 million in total. Transmission expenses decreased by \$57 million. Distribution expenses increased by \$31 million. Customer Accounting expenses decreased by \$29 million, while Customer Service & Information expenses decreased by \$1 million. Sales, Economic Development & Other expenses increased by \$5 million and Administrative & General expenses had an increase of approximately \$19 million between the two periods.

Depreciation expense is projected to increase by \$108 million driven by increased plant in service.

Amortizations increased approximately \$120 million between the two periods. This increase is mainly driven by accruals for the Sales True Up.

Property Taxes increased by \$14 million, while Payroll & Other Taxes increased slightly by about \$1 million between the two periods.

Current Federal and State Income Taxes increased by approximately \$25 million. Deferred Income Taxes decreased approximately \$99 million mainly because of book to tax timing differences.

Allowance for Funds Used During Construction increased by approximately \$8 million.

The changes described above in aggregate account for the \$195 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 2020 ACTUAL
SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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<u>Line No.</u>	<u>Description</u>	<u>Actual 2020 Adjusted (1)</u> <u>(A)</u>	<u>2022 Interim Rate Petition Present Rate</u> <u>(B)</u>	<u>Change</u> <u>(C) = (B) - (A)</u>
1	Average Rate Base	\$8,002,328	\$8,784,375	\$782,047
2	Required Rate of Return	6.82%	6.71%	-0.11%
3	Operating Income Requirement (Line 1 x Line 2)	\$545,759	\$589,432	\$43,673
4	Operating Income Under Present Rates	\$578,633	\$384,001	(\$194,632)
5	Operating Income Deficiency (Line 3 - Line 4)	(\$32,875)	\$205,430	\$238,305
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$46,135)	\$288,291	\$334,425

(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 2020 ACTUAL TO LAST APPROVED PRESENT RATES
DETAILED RATE BASE COMPONENTS
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Line No.	Description	Actual 2020 Adjusted (1)	General Rate Case Approved E,G999/CI-17-895 (2)	Change (C) = (A) - (B)
		(A)	(B)	
	Electric Plant as Booked			
1	Production	\$10,310,251	\$10,060,608	\$249,643
2	Transmission	2,406,019	2,397,725	8,295
3	Distribution	3,866,056	3,658,370	207,685
4	General	911,913	888,530	23,383
5	Common	726,744	781,187	(54,442)
6	TOTAL Utility Plant in Service	\$18,220,984	\$17,786,420	\$434,564
	Reserve for Depreciation			
7	Production	\$6,278,010	\$6,015,790	\$262,220
8	Transmission	626,264	619,062	7,202
9	Distribution	1,425,481	1,391,483	33,998
10	General	450,494	451,746	(1,252)
11	Common	307,104	412,713	(105,609)
12	TOTAL Reserve for Depreciation	\$9,087,353	\$8,890,795	\$196,559
	Net Utility Plant in Service			
13	Production	\$4,032,241	\$4,044,818	(\$12,576)
14	Transmission	1,779,755	1,778,663	1,093
15	Distribution	2,440,575	2,266,887	173,687
16	General	461,419	436,784	24,634
17	Common	419,640	368,473	51,167
18	Net Utility Plant in Service	\$9,133,630	\$8,895,625	\$238,005
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$491,727	\$380,350	\$111,376
21	Less: Accumulated Deferred Income Taxes	\$2,074,550	\$2,151,719	(\$77,169)
22	Cash Working Capital	(\$137,635)	(\$111,130)	(\$26,504)
	Other Rate Base Items:			
23	Materials and Supplies	\$153,610	\$135,797	\$17,812
24	Fuel Inventory	80,800	73,476	7,324
25	Non-Plant Assets & Liabilities	229,204	27,456	201,747
26	Prepayments and other Working Capital	125,542	151,609	(26,067)
27	Total Other Rate Base Items	\$589,156	\$388,338	\$200,817
28	Total Average Rate Base	\$8,002,328	\$7,401,465	\$600,863

(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 2020 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 2020 was higher by approximately \$601 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 2020 Net Utility Plant in Service shows actuals were higher by approximately \$238 million, Construction Work in Progress higher by approximately \$111 million, while Accumulated Deferred Income Taxes, which reduces Rate Base, decreased by \$77 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 \$27 million. Lastly, Other Rate Base Items also exceeded the level in the Test Year by a net \$201 million. The following deviation descriptions are based upon the comparative data provided in Schedule E, Part 1, page 1.

The \$238 million difference in Net Utility Plant in Service is attributed to increases in the Net Transmission, Net Distribution, Net General, and Net Common functional groups totaling approximately \$251 million. Meanwhile, Net Production Plant decreased by approximately \$13 million.

Construction Work in Progress varied from the approved level by approximately \$111 million.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, was \$77 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 \$27 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 \$201 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 approximately \$238 million, the approximate \$111 million increase in CWIP, the \$77 million reduction in Accumulated Deferred Income Taxes, the higher Cash Working Capital rate base deduction of approximately \$27 million and the higher Other Rate Base Items of \$201 million accounts for the net \$601 million increase in Total Average Rate Base between the two periods.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF 2020 ACTUAL TO LAST APPROVED PRESENT RATES
STATEMENT OF OPERATING INCOME
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Line No.	Description	Actual 2020 Adjusted (1)	General Rate Case Approved E,G999/CI-17-895 (2)	Change (C) = (A) - (B)
		(A)	(B)	(C) = (A) - (B)
<u>Operating Revenues</u>				
1	Retail	\$2,924,885	\$3,188,988	(\$264,103)
2	Interdepartmental	689	672	16
3	Other Operating	749,980	687,000	62,980
4	Total Operating Revenues	\$3,675,553	\$3,876,660	(\$201,107)
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$967,386	\$1,125,206	(\$157,820)
6	Power Production	563,129	684,262	(121,133)
7	Transmission	324,321	250,967	73,354
8	Distribution	89,782	111,186	(21,404)
9	Customer Accounting	80,391	50,555	29,836
10	Customer Service & Information (3)	131,197	95,067	36,131
11	Sales, Econ Dvlp & Other	2,194	69	2,125
12	Administrative & General	203,367	224,433	(21,066)
13	Total Operating Expenses	\$2,361,767	\$2,541,744	(\$179,977)
14	Depreciation	\$600,575	\$568,522	\$32,053
15	Amortizations	(\$66,500)	\$24,140	(\$90,640)
Taxes:				
16	Property	\$169,201	\$198,796	(\$29,595)
17	Deferred Income Tax & ITC	(93,253)	(2,106)	(91,147)
18	Federal & State Income Tax	124,218	19,539	104,680
19	Payroll & Other	25,764	29,896	(4,132)
20	Total Taxes	\$225,930	\$246,124	(\$20,194)
21	Total Expenses	\$3,121,772	\$3,380,530	(\$258,758)
22	Operating Income	\$553,781	\$496,130	\$57,651
23	AFUDC	\$24,852	\$27,894	(\$3,042)
24	Total Operating Income	\$578,633	\$524,024	\$54,610

Note: Revenues reflect calendar month sales, and 2020 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 2020 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 2020 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 \$55 million.

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

Actual 2019 Total Operating Revenues decreased by approximately \$201 million when compared to the level approved in the 2019 test year. Retail Electric Revenues decreased by approximately \$264 million. Other Operating Revenue increased by \$63 million.

Actual 2020 Fuel and Purchased Energy costs decreased by \$158 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 \$121 million, Transmission expenses increased by approximately \$73 million and Distribution expenses decreased by approximately \$21 million. The Customer Accounting, Customer Services and Information, and Sales and Economic Development expenses had a combined increase of approximately \$68 million. These increases are offset by a \$21 million decrease in the Administrative and General cost function

Depreciation expense increased by approximately \$32 million and Amortizations decreased by approximately \$91 million related to the various regulatory adjustments classified as amortizations in 2020 Actuals.

Property Taxes decreased \$30 million between the two periods. Payroll and other taxes were down roughly \$4 million between the two periods.

The combination of Deferred Income Taxes and Current Income Taxes increased approximately \$14 million.

Actual Allowance for Funds Used During Construction decreased approximately \$3 million compared to the 2019 test year.

The changes described above help to account for the \$55 million increase in utility operating income between the two periods.

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

Docket No. E002/GR-21-630
 Schedule E
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 Page 1 of 1

<u>Line No.</u>	<u>Description</u>	<u>Actual 2020 Adjusted (1)</u> <u>(B)</u>	<u>General Rate Case Approved E,G999/CI-17-895 (2)</u> <u>(A)</u>	<u>Change</u> <u>(C) = (A) - (B)</u>
1	Average Rate Base	\$8,002,328	\$7,401,465	\$600,863
2	Required Rate of Return	6.82%	7.08%	0.26%
3	Operating Income Requirement (Line 1 x Line 2)	\$545,759	\$524,024	\$21,735
4	Operating Income Under Present Rates	\$578,633	\$524,024	\$54,610
5	Operating Income Deficiency (Line 3 - Line 4)	(\$32,875)	\$0	(\$32,875)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$46,135)	\$0	(\$46,135)

(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.

2023 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 on rounded 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, 2023 and includes the effect of rate-making adjustments.

General Rate Case Filing

The general rate case filing information represents the budgets developed for the 2023 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, 2020. 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
2023 INTERIM RATE SCHEDULE
SUMMARY OF REVENUE REQUIREMENTS
(\$000's)**

**Docket No. E002/GR-21-630
Schedule A
Part 1 of 3
Page 1 of 1**

Line No.	Description	2023 Interim Rate Petition Present Rates
1	Average Rate Base	\$9,453,007
2	Operating Income	\$298,028
3	Allowance for funds used during construction	\$31,766
4	Total Available for Return	\$329,794
5	Overall Rate of Return (Line 4 / Line 1)	3.49%
6	Required Rate of Return	6.68%
7	Required Operating Income (Line 1 x Line 6)	\$631,461
8	Income Deficiency (Line 7 - Line 4)	\$301,667
9	Gross Revenue Conversion Factor	1.40335
10	Revenue Deficiency (Line 8 x Line 9)	\$423,344
11	Retail Related Revenues Under Present Rates	\$3,041,613
12	Percentage Increase Needed in Overall Revenue (Line 10 / Line 11)	13.92%

**Northern States Power Company
Electric Utility - State of Minnesota
2023 INTERIM RATE SCHEDULE
STATEMENT OF OPERATING INCOME
(\$000's)**

**Docket No. E002/GR-21-630
Schedule A
Part 2 of 3
Page 1 of 1**

Line No.	<u>Description</u>	<u>2023 Interim Rate Petition Present Rates</u>
<u>Operating Revenues</u>		
1	Retail	\$3,041,231
2	Interdepartmental	382
3	Other Operating	607,947
4	Total Operating Revenues	\$3,649,560
<u>Expenses</u>		
Operating Expenses:		
5	Fuel and Purchased Energy	\$1,004,922
6	Power Production	608,614
7	Transmission	265,940
8	Distribution	126,532
9	Customer Accounting	45,999
10	Customer Service & Information	133,653
11	Sales, Econ Dvlp & Other	8,297
12	Administrative & General	227,746
13	Total Operating Expenses	\$2,421,704
14	Depreciation	\$735,674
15	Amortizations	\$47,359
Taxes:		
16	Property	\$195,688
17	Deferred Income Tax & ITC	(193,975)
18	Federal & State Income Tax	117,713
19	Payroll & Other	27,368
20	Total Taxes	\$146,794
21	Total Expenses	\$3,351,531
22	Operating Income	298,028
23	Allowance for Funds Used During Construction	\$31,766
24	Total Operating Income	\$329,794

Note: Revenues reflect calender month sales.

**Northern States Power Company
Electric Utility - State of Minnesota
2023 INTERIM RATE SCHEDULE
DETAILED RATE BASE COMPONENTS
(\$000's)**

**Docket No. E002/GR-21-630
Schedule A
Part 3 of 3
Page 1 of 1**

Line No.	Description	2023 Interim Rate Petition Present Rates
	Electric Plant as Booked	
1	Production	\$10,681,335
2	Transmission	2,919,686
3	Distribution	4,644,626
4	General	1,229,875
5	Common	1,109,541
6	TOTAL Utility Plant in Service	<u>\$20,585,062</u>
	Reserve for Depreciation	
7	Production	\$6,869,029
8	Transmission	730,421
9	Distribution	1,634,884
10	General	632,491
11	Common	522,968
12	TOTAL Reserve for Depreciation	<u>\$10,389,793</u>
	Net Utility Plant in Service	
13	Production	\$3,812,306
14	Transmission	2,189,265
15	Distribution	3,009,741
16	General	597,384
17	Common	586,573
18	Net Utility Plant in Service	<u>\$10,195,269</u>
19	Utility Plant Held for Future Use	\$0
20	Construction Work in Progress	\$505,277
21	Less: Accumulated Deferred Income Taxes	\$1,514,125
22	Cash Working Capital	(\$164,928)
	Other Rate Base Items:	
23	Materials and Supplies	\$154,701
24	Fuel Inventory	69,767
25	Non-Plant Assets & Liabilities	91,677
26	Prepayments and Other Working Capital	115,369
27	Total Other Rate Base Items	<u>\$431,514</u>
28	Total Average Rate Base	<u><u>9,453,007</u></u>

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO GENERAL RATES
DETAILED RATE BASE COMPONENTS
(\$000's)

Docket No. E002/GR-21-630
Schedule B
Part 1 of 3
Page 1 of 5

Line No.	Description	2023 General Rate Case Filing (A)	2023 Interim Rate Petition Present Rates (B)	Change (C) = (B) - (A)
	Electric Plant as Booked			
1	Production	\$12,543,687	\$10,681,335	(\$1,862,352)
2	Transmission	3,878,352	2,919,686	(958,667)
3	Distribution	4,744,230	4,644,626	(99,605)
4	General	1,229,875	1,229,875	-
5	Common	1,109,541	1,109,541	-
6	TOTAL Utility Plant in Service	<u>\$23,505,685</u>	<u>\$20,585,062</u>	<u>(\$2,920,624)</u>
	Reserve for Depreciation			
7	Production	\$7,096,188	\$6,869,029	(\$227,159)
8	Transmission	881,905	730,421	(151,484)
9	Distribution	1,644,203	1,634,884	(9,319)
10	General	633,874	632,491	(1,384)
11	Common	523,587	522,968	(619)
12	TOTAL Reserve for Depreciation	<u>\$10,779,757</u>	<u>\$10,389,793</u>	<u>(\$389,964)</u>
	Net Utility Plant in Service			
13	Production	\$5,447,500	\$3,812,306	(\$1,635,194)
14	Transmission	2,996,448	2,189,265	(807,183)
15	Distribution	3,100,027	3,009,741	(90,285)
16	General	596,000	597,384	1,384
17	Common	585,954	586,573	619
18	Net Utility Plant in Service	<u>\$12,725,928</u>	<u>\$10,195,269</u>	<u>(\$2,530,660)</u>
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$506,554	\$505,277	(\$1,277)
21	Less: Accumulated Deferred Income Taxes	\$2,087,146	\$1,514,125	(\$573,021)
22	Cash Working Capital	(\$163,615)	(\$164,928)	(\$1,313)
	Other Rate Base Items:			
23	Materials and Supplies	\$154,701	\$154,701	\$0
24	Fuel Inventory	\$69,767	\$69,767	-
25	Non-Plant Assets & Liabilities	\$123,255	\$91,677	(31,578)
26	Prepayments and Other Working Capital	\$116,242	\$115,369	(873)
27	Total Other Rate Base Items	<u>\$463,965</u>	<u>\$431,514</u>	<u>(\$32,451)</u>
28	Total Average Rate Base	<u><u>\$11,445,687</u></u>	<u><u>\$9,453,007</u></u>	<u><u>(\$1,992,680)</u></u>

COMPARISON OF PROPOSED 2023 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 2022 - 2023. 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.

Electric Vehicle Rebate Removal.

The Company is requesting authorization to include in the general rate petition the impact of certain electric vehicle rebates introduced in its Relief and Recovery docket (Docket No. E,G-999/CI-20-492). This proposal has not been approved, and therefore the interim rate revenue requirement is being adjusted to remove the rate base components associated with these rebates.

Electric Battery Reserve Reallocation.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723. The Company had proposed modifications to the remaining life of the Luverne Wind2Battery System and reserve reallocations to certain Other Production accounts that were not adopted in the Remaining Lives docket. The interim rate revenue requirement is being adjusted to remove the rate base components associated with the impacts of these reserve reallocations.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-21-584, which updates the depreciation rates as proposed in the compliance filing. 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 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, and as such, an adjustment was included in the general rate petition. The interim rate base adjustment records the change in the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation.

The Company has included the impacts on the change in the Net Operating Loss and tax credit deferred tax assets (collectively a DTA) carried forward from prior years in determining the final revenue requirement. Because the Company has more tax deductions/credits than it can utilize in 2023, the unused tax deductions/credits need to be carried forward to a future period. The Company has determined the value of the DTA and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate base adjustment records the change in the DTA 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	2023 General Rate Case Filing (1)	Interim Adjustments						Secondary Calculations			2023 Interim Rate Petition Present Rates (1)		
			RES Roll-In Removal (2)	TCR Roll-In Removal (3)	Aurora Removal (4)	Pension Extend Deferral (5)	EV Rebate Removal (6)	Electric Battery Reserve (7)	Depr Study: TD&G (8)	ADIT Pro-Rate Adj (9)	NOL Adj (10)		Cash Working Capital (11)	
1	Utility Plant in Service	\$23,505,685	(\$1,917,188)	(\$903,831)				(\$99,605)					\$20,585,062	
2	Less: Reserve for Depreciation	10,779,757	(\$230,124)	(\$148,083)				(\$9,355)	(\$387)	(\$2,014)			10,389,793	
3	Net Utility Plant in Service	\$12,725,928	(\$1,687,064)	(\$755,747)	\$0	\$0		(\$90,250)	\$387	\$2,014	\$0	\$0	\$10,195,269	
4	Utility Plant Held for Future Use	\$0											\$0	
5	Construction Work in Progress	\$506,554	(\$102)	(\$1,175)									\$505,277	
6	Less: Accumulated Deferred Income Taxes	\$2,087,146	(\$343,084)	(\$191,419)		(\$8,842)		(\$25,271)	\$108	\$564	\$2,308	(7,385)	\$1,514,125	
7	Cash Working Capital	(\$163,615)										(1,313)	(\$164,928)	
Other Rate Base Items														
8	Materials and Supplies	\$154,701											\$154,701	
9	Fuel Inventory	69,767											\$69,767	
10	Non-Plant Assets & Liabilities	123,255				(\$31,578)							\$91,677	
11	Prepayments and Other Working Capital	116,242			(\$873)								\$115,369	
12	Total Other Rate Base Items	\$463,965	\$0	\$0	(\$873)	(\$31,578)	\$0	\$0	\$0	\$0	\$0	\$0	\$431,514	
13	Total Average Rate Base	\$11,445,687	(\$1,344,082)	(\$565,504)	(\$873)	(\$22,736)	(\$64,979)	\$279	\$1,450	\$1,450	(\$2,308)	\$7,385	(\$1,313)	\$9,453,007

(1) Electric Utility - Minnesota Jurisdiction

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO GENERAL RATES
STATEMENT OF OPERATING INCOME
(\$000's)

Docket No. E002/GR-21-630
Schedule B
Part 2 of 3
Page 1 of 7

Line No.	Description	2023 General Rate Case Filing (A)	2023 Interim Rate Petition Present Rates (B)	Change (C) = (B) - (A)
<u>Operating Revenues</u>				
1	Retail	\$3,214,449	\$3,041,231	(\$173,219)
2	Interdepartmental	382	\$382	0
3	Other Operating	609,232	\$607,947	(1,285)
4	Total Operating Revenues	<u>\$3,824,063</u>	<u>\$3,649,560</u>	<u>(\$174,503)</u>
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Power	\$1,004,922	\$1,004,922	\$0
6	Power Production	640,427	608,614	(31,812)
7	Transmission	265,940	265,940	0
8	Distribution	126,532	126,532	0
9	Customer Accounting	45,999	45,999	0
10	Customer Service & Information	133,653	133,653	0
11	Sales, Econ Dvlp & Other	8,297	8,297	(0)
12	Administrative & General	243,259	227,746	(15,513)
13	Total Operating Expenses	<u>\$2,469,029</u>	<u>\$2,421,704</u>	<u>(\$47,325)</u>
14	Depreciation	\$849,115	\$735,674	(\$113,440)
15	Amortization	\$55,267	\$47,359	(\$7,908)
Taxes:				
16	Property	\$216,060	\$195,688	(\$20,372)
17	Deferred Income Tax & ITC	(119,735)	(193,975)	(74,240)
18	Federal & State Income Tax	(85,432)	117,713	203,144
19	Payroll & Other	27,435	27,368	(67)
20	Total Taxes	<u>\$38,329</u>	<u>\$146,794</u>	<u>\$108,465</u>
21	Total Expenses	<u>\$3,411,739</u>	<u>\$3,351,531</u>	<u>(\$60,208)</u>
22	Operating Income	412,324	298,028	(\$114,295)
23	AFUDC	<u>\$31,766</u>	<u>\$31,766</u>	<u>\$0</u>
24	Total Operating Income	<u><u>\$444,090</u></u>	<u><u>\$329,794</u></u>	<u><u>(\$114,295)</u></u>

Note: Revenues reflect calendar month sales.

**COMPARISON OF PROPOSED 2023 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 2023. 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 2023. 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 2022 - 2023. 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.

Electric Battery Reserve Reallocation.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-19-723. The Company had proposed modifications to the remaining life of the Luverne Wind2Battery System and reserve reallocations to certain Other Production accounts that were not adopted in the Remaining Lives docket. The interim rate revenue requirement is being adjusted to remove the revenue and cost components associated with the impacts of these reserve reallocations.

Depreciation Study: TD&G.

The Company is proposing to include in the general rate petition the impact of Docket No. E,G002/D-21-584, which updates the depreciation rates as proposed in the compliance filing. The interim rate revenue requirement is

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

Electric Vehicle Rebate Removal.

The Company is requesting authorization to include in the general rate petition the impact of certain electric vehicle rebates introduced in its Relief and Recovery docket (Docket No. E,G-999/CI-20-492). This proposal has not been approved, and therefore the interim rate revenue requirement is being adjusted to remove the cost components associated with these rebates.

Change In Cost Of Capital

The final general rate petition 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 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, and as such, an adjustment was included in the general rate petition. The interim rate base adjustment records the change in the ADIT pro-rate between the level calculated in determining the final revenue requirement and the interim cost of service.

Change in the Net Operating Loss Calculation

The Company has included the impacts on the change in the Net Operating Loss and tax credit deferred tax assets (collectively a DTA) carried forward from prior years in the final revenue requirement. Because the Company has more tax deductions/credits than it can utilize in 2023, the unused tax deductions/credits need to be carried forward to a future period. The Company has determined the value of the DTA and made appropriate pro forma adjustments to both current and deferred tax items. This interim rate

adjustment records the change in the DTA 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.

Northern States Power Company
 Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO GENERAL RATES
SUMMARY OF REVENUE REQUIREMENTS
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<u>Line No.</u>	<u>Description</u>	<u>2023 General Rate Case Filing (A)</u>	<u>2023 Interim Rate Petition Present Rates (B)</u>	<u>Change (C) = (B) - (A)</u>
1	Average Rate Base	\$11,445,687	\$9,453,007	(\$1,992,680)
2	Required Rate of Return	7.28%	6.68%	-0.60%
3	Operating Income Requirement (Line 1 x Line 2)	\$833,246	\$631,461	(\$201,785)
4	Operating Income Under Present Rates	\$444,090	\$329,794	(\$114,295)
5	Operating Income Deficiency (Line 3 - Line 4)	\$389,156	\$301,667	(\$87,490)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	\$546,123	\$423,344	(\$122,779)

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO PRESENT RATES
DETAILED RATE BASE COMPONENTS
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Line No.	Description	Present Rates	2023 Interim	Change
		General Rate Case Approved E,G999/CI-17-895 (1)	Rate Petition Present Rates	
		(A)	(B)	(C) = (B) - (A)
	Electric Plant as Booked			
1	Production	\$10,060,608	\$10,681,335	\$620,727
2	Transmission	2,397,725	2,919,686	521,961
3	Distribution	3,658,370	4,644,626	986,255
4	General	888,530	1,229,875	341,344
5	Common	781,187	1,109,541	328,354
6	TOTAL Utility Plant in Service	<u>\$17,786,420</u>	<u>\$20,585,062</u>	<u>2,798,642</u>
	Reserve for Depreciation			
7	Production	\$6,015,790	\$6,869,029	\$853,239
8	Transmission	619,062	730,421	111,359
9	Distribution	1,391,483	1,634,884	243,401
10	General	451,746	632,491	180,745
11	Common	412,713	522,968	110,255
12	TOTAL Reserve for Depreciation	<u>\$8,890,795</u>	<u>\$10,389,793</u>	<u>\$1,498,998</u>
	Net Utility Plant in Service			
13	Production	\$4,044,818	\$3,812,306	(\$232,512)
14	Transmission	1,778,663	2,189,265	410,602
15	Distribution	2,266,887	3,009,741	742,854
16	General	436,784	597,384	160,599
17	Common	368,473	586,573	218,099
18	Net Utility Plant in Service	<u>\$8,895,625</u>	<u>\$10,195,269</u>	<u>\$1,299,643</u>
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$380,350	\$505,277	\$124,926
21	Less: Accumulated Deferred Income Taxes	\$2,151,719	\$1,514,125	(\$637,594)
22	Cash Working Capital	(\$111,130)	(\$164,928)	(\$53,798)
	Other Rate Base Items:			
23	Materials and Supplies	\$135,797	\$154,701	\$18,904
24	Fuel Inventory	\$73,476	69,767	(3,708)
25	Non-Plant Assets & Liabilities	\$27,456	91,677	64,221
26	Prepayments and Other Working Capital	<u>\$151,609</u>	<u>115,369</u>	<u>(36,240)</u>
27	Total Other Rate Base Items	\$388,338	\$431,514	\$43,176
28	Total Average Rate Base	<u><u>\$7,401,465</u></u>	<u><u>\$9,453,007</u></u>	<u><u>\$2,051,542</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 2023 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 2023 interim rates has increased \$2.052 billion, an increase of 27.7 percent over the final rate base level approved in Docket No. E,G999/CI-17-895.

Net Utility Plant in Service has increased \$1.3 billion. The primary driver of this growth has been the additional Company investments in Distribution functional assets. Changes in this functional class accounts for 57% of the Net Plant increase.

Net Production Plant has decreased by \$233 million, a decrease of 5.7 percent since the last approved rate case, Net Transmission Plant increased \$411 million (23.1 percent) while the Net Distribution Plant increased by \$743 million (32.8 percent). Net General Plant increased approximately \$161 million with the approximate \$218 million increase in Net Common Plant accounts for the remainder of the overall Net Plant increase.

Construction Work in Progress has increased approximately \$125 million as timing of projected 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 \$638 million.

Since the last General Rate Order, Cash Working Capital requirements, a rate base deduction, have increased by \$54 million, causing a decrease to the average Rate Base. 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 \$43 million. This increase was driven by an overall increases in Materials and Supplies of \$19 million and Non-Plant Assets and Liabilities of \$64

million. Offsetting these increases were decreases in Fuel Inventory of approximately \$4 million and Prepayments and Other Working Capital of \$36 million.

In summary, the net effect of the increase in Net Plant in Service, \$1.3 billion, the increase in CWIP of approximately \$125 million, the decreased Accumulated Deferred Income Taxes (an increase to rate base) of approximately \$638 million, the increase in Cash Working Capital of \$54 million, and the \$43 million increase in Other Rate Base Items accounts for the \$2.052 billion increase in Total Average Rate Base for the proposed 2023 interim rate period.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO PRESENT RATES
STATEMENT OF OPERATING INCOME
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Line No.	Description	Present Rates	2023 Interim	Change (C) = (B) - (A)
		From Most Recent General Rate Case Approved E,G999/CI-17-895 (1)	Rate Petition Present Rates	
		(A)	(B)	
<u>Operating Revenues</u>				
1	Retail	\$3,188,988	\$3,041,231	(\$147,757)
2	Interdepartmental	672	382	(290)
3	Other Operating	687,000	607,947	(79,053)
4	Total Operating Revenues	\$3,876,660	\$3,649,560	(\$227,100)
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,125,206	\$1,004,922	(\$120,283)
6	Power Production	684,262	608,614	(75,648)
7	Transmission	250,967	265,940	14,973
8	Distribution	111,186	126,532	15,346
9	Customer Accounting	50,555	45,999	(4,556)
10	Customer Service & Information (2)	95,067	133,653	38,587
11	Sales, Econ Dvlp & Other	69	8,297	8,228
12	Administrative & General	224,433	227,746	3,313
13	Total Operating Expenses	\$2,541,744	\$2,421,704	(\$120,040)
14	Depreciation	\$568,522	\$735,674	\$167,153
15	Amortizations	\$24,140	\$47,359	\$23,219
Taxes:				
16	Property	\$198,796	\$195,688	(\$3,108)
17	Deferred Income Tax & ITC	(2,106)	(193,975)	(191,868)
18	Federal & State Income Tax	19,539	117,713	98,174
19	Payroll & Other	29,896	27,368	(2,527)
20	Total Taxes	\$246,124	\$146,794	(\$99,330)
21	Total Expenses	\$3,380,530	\$3,351,531	(\$28,998)
22	Operating Income	\$496,130	\$298,028	(\$198,102)
23	AFUDC	\$27,894	\$31,766	\$3,873
24	Total Operating Income	\$524,024	\$329,794	(\$194,229)

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 2023 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 2023 test year operating income proposed in the Company's interim rate petition shows a decrease in total operating income of \$194 million.

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

Total Operating Revenues decreased approximately \$227 million, which is the combination of decreased Retail Electric Revenues of \$148 million and decreased Other Operating Revenues of approximately \$79 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 Operating Revenues decreased by \$79 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 \$120 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 \$76 million associated with decreases in both nuclear and steam operations.

Other Operating Expenses increased by approximately \$76 million. The changes that occurred in the various cost functions are: Transmission expense increased approximately \$15 million; Distribution expense increased \$15 million; Customer Accounting decreased \$5 million; Customer Services and Information increased \$39 million and is due primarily to increased CIP program costs; Sales, Economic Development & Other increased \$8 million; and finally, Administrative and General expense increased approximately \$3 million.

Depreciation expense increased approximately \$167 million, driven by higher annual depreciation specifically in Nuclear, General & Intangible, and Distribution.

Amortization costs in the Interim Rate Petition increased \$23 million compared with the current level in base rates. This change is primarily 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 \$3 million across all the functional classes.

Deferred Income Taxes and Current Federal and State Income Taxes combined decreased by approximately \$94 million, driven primarily by the deferral of Federal Tax Credits.

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

Compared to the last electric General Rate Order, Allowance for Funds Used During Construction increased approximately \$4 million.

Northern States Power Company
 Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO PRESENT RATES
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Line No.	Description	Present Rates	2023 Interim	Change
		From Most Recent General Rate Case Approved E,G999/CI-17-895 (1)	Rate Petition Present Rates	(C) = (B) - (A)
		(A)	(B)	
1	Average Rate Base	\$7,401,465	\$9,453,007	\$2,051,542
2	Required Rate of Return	7.08%	6.68%	-0.40%
3	Operating Income Requirement (Line 1 x Line 2)	\$524,024	\$631,461	\$107,437
4	Operating Income Under Present Rates	\$524,024	\$329,794	(\$194,230)
5	Operating Income Deficiency (Line 3 - Line 4)	\$0	\$301,667	\$301,667
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	\$0	\$423,344	\$423,344

(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 2023 INTERIM RATES TO PRESENT RATES
CAPITAL STRUCTURE AND RATE OF RETURN CALCULATIONS
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Line No.	Capitalization:	Amount (A)	Percent of Total Capitalization (B)	Cost of Capital (C)	Weighted Cost of Capital (D)
I. Capital Structure and Rate of Return Calculation Approved by the Commission in the Most Recent General Rate Case (Docket E002/GR-15-826)*					
1	Long-Term Debt	\$4,716,554	45.81%	4.75%	2.18%
2	Short-Term Debt	\$173,470	1.69%	4.31%	0.07%
3	Long-Term and Short-Term Debt	\$4,890,024	47.50%		2.25%
4	Preferred Stock	\$0	0.00%	0.00%	0.00%
5	Net Common Equity	\$5,404,844	52.50%	9.20%	4.83%
6	Total Equity	\$5,404,844	52.50%		4.83%
7	Total Capitalization	\$10,294,868	100.00%		7.08%

II. Capital Structure and Rate of Return Calculation for Proposed 2023 Interim Rates					
8	Long-Term Debt	\$7,253,518	46.50%	4.12%	1.91%
9	Short-Term Debt	\$156,591	1.00%	0.80%	0.01%
10	Long-Term and Short-Term Debt	\$7,410,109	47.50%		1.92%
11	Preferred Stock	\$0	0.00%	0.00%	0.00%
12	Net Common Equity	\$8,190,137	52.50%	9.06% *	4.76%
13	Total Equity	\$8,190,137	52.50%		4.76%
14	Total Capitalization	\$15,600,246	100.00%		6.68%

III. Amount of Changes Between I and II

	Amount		Change (C) = (B) - (A)
	Fiscal Year Most Recent General Rate Case Approved (A)	Proposed 2023 Interim Rate (B)	
Long-Term Debt	\$4,716,554	\$7,253,518	\$2,536,964
Short-Term Debt	\$173,470	\$156,591	(\$16,879)
Long-Term and Short-Term Debt	\$4,890,024	\$7,410,109	\$2,520,085
Preferred Stock	\$0	\$0	\$0
Net Common Equity	\$5,404,844	\$8,190,137	\$2,785,293
Total Equity	\$5,404,844	\$8,190,137	\$2,785,293
Total Capitalization	\$10,294,868	\$15,600,246	\$5,305,378

* 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 \$2.54 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 \$17 million, compared to the last electric General Rate Order.

The overall reduction in the weighted cost of debt (1.92 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 \$2.79 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 2023 INTERIM RATES TO 2020 ACTUAL
DETAILED RATE BASE COMPONENTS
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Line No.	Description	Actual 2020 Adjusted (1) (A)	2023 Interim Rate Petition Present Rate (B)	Change (C) = (B) - (A)
	Electric as Booked			
1	Production	\$10,310,251	\$10,681,335	\$371,084
2	Transmission	2,406,019	2,919,686	513,666
3	Distribution	3,866,056	4,644,626	778,570
4	General	911,913	1,229,875	317,962
5	Common	726,744	1,109,541	382,797
6	TOTAL Utility Plant in Service	\$18,220,984	\$20,585,062	\$2,364,078
	Reserve for Depreciation			
7	Production	\$6,278,010	\$6,869,029	\$591,019
8	Transmission	626,264	730,421	104,157
9	Distribution	1,425,481	1,634,884	209,403
10	General	450,494	632,491	181,997
11	Common	307,104	522,968	215,864
12	TOTAL Reserve for Depreciation	\$9,087,353	\$10,389,793	\$1,302,440
	Net Utility Plant in Service			
13	Production	\$4,032,241	\$3,812,306	(\$219,935)
14	Transmission	1,779,755	2,189,265	409,509
15	Distribution	2,440,575	3,009,741	569,167
16	General	461,419	597,384	135,965
17	Common	419,640	586,573	166,932
18	Net Utility Plant in Service	\$9,133,630	\$10,195,269	\$1,061,638
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$491,727	\$505,277	\$13,550
21	Less: Accumulated Deferred Income Taxes	\$2,074,550	\$1,514,125	(\$560,425)
22	Cash Working Capital	(\$137,635)	(\$164,928)	(\$27,293)
	Other Rate Base Items:			
23	Materials and Supplies	\$153,610	\$154,701	\$1,091
24	Fuel Inventory	80,800	69,767	(11,033)
25	Non-Plant Assets & Liabilities	229,204	91,677	(137,527)
26	Prepayments and Other Working Capital	125,542	115,369	(10,173)
27	Total Other Rate Base Items	\$589,156	\$431,514	(\$157,641)
28	Total Average Rate Base	8,002,328	\$9,453,007	\$1,450,679

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

**COMPARISON OF PROPOSED 2023 INTERIM RATES TO 2020
ACTUAL
DETAILED RATE BASE COMPONENTS
DESCRIPTION OF CHANGES**

Total Average Rate Base used to determine the interim rate revenue requirement increased by \$1.451 billion from 2020, the most recent actual fiscal year. The net increase is driven by increased Net Plant in Service which increased by \$1.062 billion, increased Construction Work in Progress (“CWIP”) of \$14 million, decreased Accumulated Deferred Income Taxes, (which increases Rate Base) of approximately \$560 million, an increase to Cash Working Capital (which decreases rate base) of \$27 million and a decrease in Other Rate Base Items of \$158 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 \$220 million, and increases in Net Transmission Plant of approximately \$410 million (current investments in these functional classes generally are included in various rider mechanisms). Net Distribution Plant increased approximately \$569 million. Net General and Common functional classes have a combined increase totaling \$303 million.

Construction Work in Progress increased approximately \$14 million due to the timing of construction projects being completed and being placed into service.

Accumulated Deferred Income Taxes, a reduction of average rate base, decreased by approximately \$560 million.

Cash Working Capital, a negative rate base component, increased by \$27 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 decrease in average rate base of \$158 million. This increase was driven by Fuel Inventory, Non-Plant Assets and Liabilities, and Prepayments and Other Working Capital collectively decreasing \$159 million. Slightly offsetting those decreases was an increase in Materials and Supplies of \$1 million between the two periods.

In summary, the net effect of the increase in Net Plant in Service of \$1.062 billion, the increase in CWIP of \$14 million, the decrease in Accumulated Deferred Income Taxes (an increase to rate base), of approximately \$560 million, the increase in Cash Working Capital of \$27 million, and a \$158 million decrease from Other Rate Base Items accounts for the \$1.451 billion overall increase in Total Average Rate Base used to determine the 2023 interim revenue requirement.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO 2020 ACTUAL
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Line		Actual	2023 Interim	
No.	Description	2020	Rate Petition	Change
		Adjusted (1)	Present Rate	(C) = (B) - (A)
		(A)	(B)	
Operating Revenues				
1	Retail	\$2,924,885	\$3,041,231	\$116,346
2	Interdepartmental	689	382	(307)
3	Other Operating	749,980	607,947	(142,033)
4	Total Operating Revenues	\$3,675,553	\$3,649,560	(\$25,993)
Expenses				
Operating Expenses:				
5	Fuel and Purchased Energy	\$967,386	\$1,004,922	\$37,536
6	Power Production	563,129	608,614	45,485
7	Transmission	324,321	265,940	(58,381)
8	Distribution	89,782	126,532	36,750
9	Customer Accounting	80,391	45,999	(34,392)
10	Customer Service & Information	131,197	133,653	2,456
11	Sales, Econ Dvlp & Other	2,194	8,297	6,103
12	Administrative & General	203,367	227,746	24,379
13	Total Operating Expenses	\$2,361,767	\$2,421,704	\$59,937
14	Depreciation	\$600,575	\$735,674	\$135,099
15	Amortizations	(\$66,500)	\$47,359	\$113,859
Taxes:				
16	Property	\$169,201	\$195,688	\$26,487
17	Deferred Income Tax & ITC	(93,253)	(193,975)	(100,722)
18	Federal & State Income Tax	124,218	117,713	(6,506)
19	Payroll & Other	25,764	27,368	1,604
20	Total Taxes	\$225,930	\$146,794	(\$79,136)
21	Total Expenses	\$3,121,772	\$3,351,531	\$229,760
22	Operating Income	\$553,781	\$298,028	(\$255,753)
23	AFUDC	\$24,852	\$31,766	\$6,914
24	Total Operating Income	\$578,633	\$329,794	(\$248,839)

Note: Revenues reflect calendar month sales.

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

**COMPARISON OF PROPOSED 2023 INTERIM RATES
TO 2020 ACTUAL
STATEMENT OF OPERATING INCOME
DESCRIPTION OF CHANGES**

Comparing the operating income used to determine interim rates to actual operating income from 2020, the most recent fiscal year, shows a decrease of \$249 million.

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

Total Operating Revenues decreased \$26 million. Other Operating Revenues decreased \$142 million, which was partially offset by Retail Revenues increasing approximately \$116 million. The reduction in Other Operating Revenue 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 2020 fiscal year, the cost of Fuel and Purchased Energy increased by \$38 million. The cost of Power Production increased by \$45 million.

Excluding the cost of Fuel, Purchased Energy and Power Production, other operating expenses have a net decrease of approximately \$23 million in total. Transmission expenses decreased by \$58 million. Distribution expenses increased by \$37 million. Customer Accounting expenses decreased by \$34 million, while Customer Service & Information expenses increased by \$2 million. Sales, Economic Development & Other expenses increased \$6 million and Administrative & General expenses had an increase of \$24 million.

Depreciation expense is projected to increase by \$135 million driven by increased plant in service.

Amortizations increased approximately \$114 million between the two periods. This increase is mainly driven by accruals for the Sales True Up.

Property Taxes increased by \$26 million, while Payroll & Other Taxes increased slightly by approximately \$2 million.

Current Federal and State Income Taxes decreased by approximately \$7 million. Deferred Income Taxes decreased approximately \$101 million mainly because of book to tax timing differences.

Allowance for Funds Used During Construction increased by approximately \$7 million.

The changes described above in aggregate account for the \$249 million decrease in utility operating income for the proposed 2023 interim rate revenue requirement compared to the most recent fiscal year.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2023 INTERIM RATES TO 2020 ACTUAL
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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<u>Line No.</u>	<u>Description</u>	<u>Actual 2020 Adjusted (1)</u> <u>(A)</u>	<u>2023 Interim Rate Petition Present Rate</u> <u>(B)</u>	<u>Change</u> <u>(C) = (B) - (A)</u>
1	Average Rate Base	\$8,002,328	\$9,453,007	\$1,450,679
2	Required Rate of Return	6.82%	6.68%	-0.14%
3	Operating Income Requirement (Line 1 x Line 2)	\$545,759	\$631,461	\$85,702
4	Operating Income Under Present Rates	\$578,633	\$329,794	(\$248,839)
5	Operating Income Deficiency (Line 3 - Line 4)	(\$32,875)	\$301,667	\$334,541
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$46,135)	\$423,344	\$469,479

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

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

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Line No.	Description	Actual 2020 Adjusted (1)	General Rate Case Approved E,G999/CI-17-895 (2)	Change (C) = (A) - (B)
		(A)	(B)	
	Electric Plant as Booked			
1	Production	\$10,310,251	\$10,060,608	\$249,643
2	Transmission	2,406,019	2,397,725	8,295
3	Distribution	3,866,056	3,658,370	207,685
4	General	911,913	888,530	23,383
5	Common	726,744	781,187	(54,442)
6	TOTAL Utility Plant in Service	\$18,220,984	\$17,786,420	\$434,564
	Reserve for Depreciation			
7	Production	\$6,278,010	\$6,015,790	\$262,220
8	Transmission	626,264	619,062	7,202
9	Distribution	1,425,481	1,391,483	33,998
10	General	450,494	451,746	(1,252)
11	Common	307,104	412,713	(105,609)
12	TOTAL Reserve for Depreciation	\$9,087,353	\$8,890,795	\$196,559
	Net Utility Plant in Service			
13	Production	\$4,032,241	\$4,044,818	(\$12,576)
14	Transmission	1,779,755	1,778,663	1,093
15	Distribution	2,440,575	2,266,887	173,687
16	General	461,419	436,784	24,634
17	Common	419,640	368,473	51,167
18	Net Utility Plant in Service	\$9,133,630	\$8,895,625	\$238,005
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$491,727	\$380,350	\$111,376
21	Less: Accumulated Deferred Income Taxes	\$2,074,550	\$2,151,719	(\$77,169)
22	Cash Working Capital	(\$137,635)	(\$111,130)	(\$26,504)
	Other Rate Base Items:			
23	Materials and Supplies	\$153,610	\$135,797	\$17,812
24	Fuel Inventory	80,800	73,476	7,324
25	Non-Plant Assets & Liabilities	229,204	27,456	201,747
26	Prepayments and other Working Capital	125,542	151,609	(26,067)
27	Total Other Rate Base Items	\$589,156	\$388,338	\$200,817
28	Total Average Rate Base	\$8,002,328	\$7,401,465	\$600,863

(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 2020 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 2020 was higher by approximately \$601 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 2020 Net Utility Plant in Service shows actuals were higher by approximately \$238 million, Construction Work in Progress higher by approximately \$111 million, while Accumulated Deferred Income Taxes, which reduces Rate Base, decreased by \$77 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 \$27 million. Lastly, Other Rate Base Items also exceeded the level in the Test Year by a net \$201 million. The following deviation descriptions are based upon the comparative data provided in Schedule E, Part 1, page 1.

The \$238 million difference in Net Utility Plant in Service is attributed to increases in the Net Transmission, Net Distribution, Net General, and Net Common functional groups totaling approximately \$251 million. Meanwhile, Net Production Plant decreased by approximately \$13 million.

Construction Work in Progress varied from the approved level by approximately \$111 million.

Accumulated Deferred Income Taxes, a deduction from average Rate Base, was \$77 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 \$27 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 \$201 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 approximately \$238 million, the approximate \$111 million increase in CWIP, the \$77 million reduction in Accumulated Deferred Income Taxes, the higher Cash Working Capital rate base deduction of approximately \$27 million and the higher Other Rate Base Items of \$201 million accounts for the net \$601 million increase in Total Average Rate Base between the two periods.

Northern States Power Company
Electric Utility - State of Minnesota
COMPARISON OF 2020 ACTUAL TO LAST APPROVED PRESENT RATES
STATEMENT OF OPERATING INCOME
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Line No.	Description	Actual 2020 Adjusted (1)	General Rate Case Approved E,G999/CI-17-895 (2)	Change (C) = (A) - (B)
		(A)	(B)	(C) = (A) - (B)
<u>Operating Revenues</u>				
1	Retail	\$2,924,885	\$3,188,988	(\$264,103)
2	Interdepartmental	689	672	16
3	Other Operating	749,980	687,000	62,980
4	Total Operating Revenues	\$3,675,553	\$3,876,660	(\$201,107)
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$967,386	\$1,125,206	(\$157,820)
6	Power Production	563,129	684,262	(121,133)
7	Transmission	324,321	250,967	73,354
8	Distribution	89,782	111,186	(21,404)
9	Customer Accounting	80,391	50,555	29,836
10	Customer Service & Information (3)	131,197	95,067	36,131
11	Sales, Econ Dvlp & Other	2,194	69	2,125
12	Administrative & General	203,367	224,433	(21,066)
13	Total Operating Expenses	\$2,361,767	\$2,541,744	(\$179,977)
14	Depreciation	\$600,575	\$568,522	\$32,053
15	Amortizations	(\$66,500)	\$24,140	(\$90,640)
Taxes:				
16	Property	\$169,201	\$198,796	(\$29,595)
17	Deferred Income Tax & ITC	(93,253)	(2,106)	(91,147)
18	Federal & State Income Tax	124,218	19,539	104,680
19	Payroll & Other	25,764	29,896	(4,132)
20	Total Taxes	\$225,930	\$246,124	(\$20,194)
21	Total Expenses	\$3,121,772	\$3,380,530	(\$258,758)
22	Operating Income	\$553,781	\$496,130	\$57,651
23	AFUDC	\$24,852	\$27,894	(\$3,042)
24	Total Operating Income	\$578,633	\$524,024	\$54,610

Note: Revenues reflect calendar month sales, and 2020 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 2020 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 2020 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 \$55 million.

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

Actual 2019 Total Operating Revenues decreased by approximately \$201 million when compared to the level approved in the 2019 test year. Retail Electric Revenues decreased by approximately \$264 million. Other Operating Revenue increased by \$63 million.

Actual 2020 Fuel and Purchased Energy costs decreased by \$158 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 \$121 million, Transmission expenses increased by approximately \$73 million and Distribution expenses decreased by approximately \$21 million. The Customer Accounting, Customer Services and Information, and Sales and Economic Development expenses had a combined increase of approximately \$68 million. These increases are offset by a \$21 million decrease in the Administrative and General cost function

Depreciation expense increased by approximately \$32 million and Amortizations decreased by approximately \$91 million related to the various regulatory adjustments classified as amortizations in 2020 Actuals.

Property Taxes decreased \$30 million between the two periods. Payroll and other taxes were down roughly \$4 million between the two periods.

The combination of Deferred Income Taxes and Current Income Taxes increased approximately \$14 million.

Actual Allowance for Funds Used During Construction decreased approximately \$3 million compared to the 2019 test year.

The changes described above help to account for the \$55 million increase in utility operating income between the two periods.

Northern States Power Company
 Electric Utility - State of Minnesota
 COMPARISON OF 2020 ACTUAL TO LAST APPROVED PRESENT RATES
 SUMMARY OF REVENUE REQUIREMENTS
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<u>Line No.</u>	<u>Description</u>	<u>Actual 2020 Adjusted (1)</u> <u>(B)</u>	<u>General Rate Case Approved E,G999/CI-17-895 (2)</u> <u>(A)</u>	<u>Change</u> <u>(C) = (A) - (B)</u>
1	Average Rate Base	\$8,002,328	\$7,401,465	\$600,863
2	Required Rate of Return	6.82%	7.08%	0.26%
3	Operating Income Requirement (Line 1 x Line 2)	\$545,759	\$524,024	\$21,735
4	Operating Income Under Present Rates	\$578,633	\$524,024	\$54,610
5	Operating Income Deficiency (Line 3 - Line 4)	(\$32,875)	\$0	(\$32,875)
6	Gross Revenue Conversion Factor	1.40335	1.40335	0
7	Revenue Deficiency (Line 5 x Line 6)	(\$46,135)	\$0	(\$46,135)

(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.

Northern States Power Company, a Minnesota corporation
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO 2022 INTERIM RATES
DETAILED RATE BASE COMPONENTS
(\$000's)

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Line No.	Description	2023 Interim Rate Petition Present Rate (A)	2022 Interim Rate Petition Present Rate (B)	Change (C) = (A) - (B)
	Electric Plant as Booked			
1	Production	\$10,681,335	\$10,737,447	(\$56,113)
2	Transmission	2,919,686	2,725,757	193,928
3	Distribution	4,644,626	4,347,965	296,661
4	General	1,229,875	1,087,644	142,230
5	Common	1,109,541	964,966	144,575
6	TOTAL Utility Plant in Service	<u>\$20,585,062</u>	<u>\$19,863,780</u>	<u>\$721,281</u>
	Reserve for Depreciation			
7	Production	\$6,869,029	\$6,830,699	\$38,330
8	Transmission	730,421	688,625	41,796
9	Distribution	1,634,884	1,558,843	76,041
10	General	632,491	558,186	74,305
11	Common	522,968	430,765	92,203
12	TOTAL Reserve for Depreciation	<u>\$10,389,793</u>	<u>\$10,067,118</u>	<u>\$322,675</u>
	Net Utility Plant in Service			
13	Production	\$3,812,306	\$3,906,748	(\$94,442)
14	Transmission	2,189,265	2,037,133	152,132
15	Distribution	3,009,741	2,789,122	220,619
16	General	597,384	529,458	67,926
17	Common	586,573	534,201	52,372
18	Net Utility Plant in Service	<u>\$10,195,269</u>	<u>\$9,796,662</u>	<u>\$398,606</u>
19	Utility Plant Held for Future Use	\$0	\$0	\$0
20	Construction Work in Progress	\$505,277	\$435,597	\$69,680
21	Less: Accumulated Deferred Income Taxes	\$1,514,125	\$1,706,428	(\$192,303)
22	Cash Working Capital	(\$164,928)	(\$153,529)	(\$11,399)
	Other Rate Base Items:			
23	Materials and Supplies	\$154,701	\$154,701	\$0
24	Fuel Inventory	69,767	69,767	0
25	Non-Plant Assets & Liabilities	91,677	66,154	25,523
26	Prepayments and other Working Capital	115,369	121,450	(6,081)
27	Total Other Rate Base Items	<u>\$431,514</u>	<u>\$412,073</u>	<u>\$19,441</u>
28	Total Average Rate Base	<u><u>\$9,453,007</u></u>	<u><u>\$8,784,375</u></u>	<u><u>\$668,631</u></u>

Northern States Power Company, a Minnesota corporation
Electric Utility - State of Minnesota
COMPARISON OF PROPOSED 2023 INTERIM RATES TO 2022 INTERIM RATES
STATEMENT OF OPERATING INCOME
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Line No.	Description	2023 Interim Rate Petition Present Rate (A)	2022 Interim Rate Petition Present Rate (B)	Change (C) = (A) - (B)
<u>Operating Revenues</u>				
1	Retail	\$3,041,231	\$3,062,558	(\$21,327)
2	Interdepartmental	382	380	2
3	Other Operating	607,947	594,487	13,459
4	Total Operating Revenues	<u>\$3,649,560</u>	<u>\$3,657,425</u>	<u>(\$7,865)</u>
<u>Expenses</u>				
Operating Expenses:				
5	Fuel and Purchased Energy	\$1,004,922	\$1,003,935	\$988
6	Power Production	608,614	576,285	32,329
7	Transmission	265,940	267,159	(1,219)
8	Distribution	126,532	120,803	5,728
9	Customer Accounting	45,999	51,137	(5,138)
10	Customer Service & Information	133,653	130,239	3,414
11	Administrative & General	8,297	7,541	756
12	Sales, Econ Dvlp & Other	227,746	221,944	5,802
13	Total Operating Expenses	<u>\$2,421,704</u>	<u>\$2,379,043</u>	<u>\$42,661</u>
14	Depreciation	\$735,674	\$708,164	\$27,510
15	Amortizations	\$47,359	\$53,321	(\$5,962)
Taxes:				
16	Property	\$195,688	\$182,846	\$12,842
17	Deferred Income Tax & ITC	(193,975)	(192,312)	(1,662)
18	Federal & State Income Tax	117,713	148,939	(31,226)
19	Payroll & Other	27,368	26,635	734
20	Total Taxes	<u>\$146,794</u>	<u>\$166,107</u>	<u>(\$19,313)</u>
21	Total Expenses	\$3,351,531	\$3,306,635	\$44,896
22	Operating Income	\$298,028	\$350,790	(\$52,761)
23	AFUDC	<u>\$31,766</u>	<u>\$33,212</u>	<u>(1,446)</u>
24	Total Operating Income	<u><u>\$329,794</u></u>	<u><u>\$384,001</u></u>	<u><u>(\$54,207)</u></u>

Northern States Power Company, a Minnesota corporation
 Electric Utility - State of Minnesota
 COMPARISON OF PROPOSED 2023 INTERIM RATES TO 2022 INTERIM RATES
 SUMMARY OF REVENUE REQUIREMENTS
 (\$000's)

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<u>Line No.</u>	<u>Description</u>	<u>2023 Interim Rate Petition Present Rate (A)</u>	<u>2022 Interim Rate Petition Present Rate (B)</u>	<u>Change (C) = (A) - (B)</u>
1	Average Rate Base	\$9,453,007	\$8,784,375	\$668,631
2	Required Rate of Return	6.68%	6.71%	-0.03%
3	Operating Income Requirement (Line 1 x Line 2)	\$631,461	\$589,432	\$42,029
4	Operating Income Under Present Rates	\$329,794	\$384,001	(\$54,207)
5	Operating Income Deficiency (Line 3 - Line 4)	\$301,667	\$205,430	\$96,236
6	Gross Revenue Conversion Factor	1.40335	1.40335	-
7	Revenue Deficiency (Line 5 x Line 6)	\$423,344	\$288,291	\$135,053

Retail Revenues ⁽¹⁾	\$ 3,255,688
Interdepartmental Revenues ⁽²⁾	\$ 625
Retail Related Revenues ⁽³⁾	\$ 3,256,313
less TCR Rider ⁽⁴⁾	\$ (87,710)
less RES Rider ⁽⁴⁾	\$ (105,667)
Interim Retail Related Revenues ⁽⁵⁾	\$ 3,062,937
less CIP Rider Surcharge Adjustment ⁽⁶⁾	\$ (44,204)
less RDF Rider ⁽⁶⁾	\$ (37,586)
Revenue Net of All Rider Adjustments	\$ 2,981,147
less Fuel Cost Revenues	\$ (849,346)
Total Base Rate Revenues for Interim	\$ 2,131,801
Interim Revenue Deficiency ⁽⁷⁾	\$ 288,220
Total Interim Retail Related Revenue % Increase	9.41%
Total Interim Base Revenue % Increase	13.52%

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

Retail Revenues ⁽¹⁾	\$ 3,214,206
Interdepartmental Revenues ⁽²⁾	\$ 625
Retail Related Revenues ⁽³⁾	\$ 3,214,831
less TCR Rider ⁽⁴⁾	\$ (85,495)
less RES Rider ⁽⁴⁾	\$ (87,723)
Interim Retail Related Revenues ⁽⁵⁾	\$ 3,041,613
less CIP Rider Surcharge Adjustment ⁽⁶⁾	\$ (48,349)
less RDF Rider ⁽⁶⁾	\$ (31,666)
Revenue Net of All Rider Adjustments	\$ 2,961,597
less Fuel Cost Revenues	\$ (849,346)
Total Base Rate Revenues for Interim	\$ 2,112,252
Interim Revenue Deficiency ⁽⁷⁾	\$ 423,295
Total Interim Retail Related Revenue % Increase	13.92%
Total Interim Base Revenue % Increase	20.04%

(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. = 13.52%

SALES AND REVENUE BY RATE SCHEDULE

Service Schedule	Average Customers	Revenues (\$1,000's)										
		MWH Sales			Summer		Winter		Annual		Increase	
		Summer	Winter	Annual	Present	Interim	Present	Interim	Present	Interim	Amount	Percent
Residential												
Residential	1,185,556	3,229,448	5,238,176	8,467,623	345,751	392,497	533,699	605,855	879,450	998,351	118,902	13.52%
Residential TOD	10,221	29,231	42,961	72,193	3,343	3,795	4,409	5,005	7,752	8,800	1,048	13.52%
Residential EV	1,733	29,457	55,610	85,067	2,151	2,442	3,589	4,075	5,740	6,516	776	13.52%
Load Management	3,754	7,486	35,930	43,417	451	512	1,767	2,006	2,218	2,518	300	13.52%
Res Total	1,201,264	3,295,623	5,372,677	8,668,299	351,697	399,246	543,463	616,940	895,160	1,016,186	121,026	13.52%
C&I - Non-Demand												
Small General	76,440	248,840	477,856	726,696	25,563	29,019	43,655	49,557	69,217	78,575	9,358	13.52%
Small General TOD	11,216	26,084	58,005	84,088	2,507	2,846	4,849	5,504	7,356	8,351	995	13.52%
Load Management	195	654	3,256	3,909	53	60	207	235	259	294	35	13.52%
C&I N-D Total	87,851	275,577	539,117	814,694	28,123	31,925	48,710	55,296	76,833	87,220	10,388	13.52%
C&I - Demand												
General	42,861	2,737,954	4,807,086	7,545,039	220,810	250,663	324,148	367,973	544,958	618,636	73,678	13.52%
General TOD	4,846	2,643,495	4,538,051	7,181,547	156,364	177,505	225,251	255,705	381,616	433,210	51,594	13.52%
Light Rail	30	8,629	18,545	27,175	602	683	1,155	1,311	1,757	1,995	238	13.52%
Peak-Controlled	1,364	382,103	716,284	1,098,387	27,938	31,715	46,183	52,427	74,121	84,142	10,021	13.52%
Peak-Controlled TOD	338	880,843	1,570,193	2,451,036	44,708	50,753	73,260	83,165	117,968	133,917	15,949	13.52%
Energy Controlled, Real Time Pricing and Commercial EV	19	92,649	193,632	286,281	3,418	3,880	6,973	7,916	10,391	11,796	1,405	13.52%
C&I Dmd Total	49,458	6,745,674	11,843,791	18,589,464	453,840	515,199	676,970	768,497	1,130,811	1,283,696	152,886	13.52%
C&I Total	137,308	7,021,251	12,382,907	19,404,158	481,963	547,124	725,680	823,792	1,207,643	1,370,917	163,273	13.52%
Public Authorities												
Small Mun Pumping	883	2,082	4,438	6,520	231	262	420	477	651	739	88	13.52%
Municipal Pumping	571	23,525	33,803	57,328	2,217	2,517	2,780	3,156	4,998	5,674	676	13.52%
Siren Service	0	0	0	0	12	13	23	26	35	39	5	13.52%
PA Total	1,454	25,607	38,241	63,848	2,460	2,792	3,224	3,660	5,684	6,452	768	13.52%
Lighting												
System Service	0	7,388	24,445	31,832	5,385	6,113	10,769	12,225	16,154	18,338	2,184	13.52%
Energy	0	4,699	15,548	20,248	379	430	758	860	1,136	1,290	154	13.52%
Metered Energy	3,186	9,503	31,443	40,946	495	561	1,553	1,763	2,048	2,325	277	13.52%
Protective Lighting	0	7,809	21,637	29,447	1,199	1,361	2,398	2,722	3,597	4,084	486	13.52%
Lighting Total	3,186	29,399	93,074	122,473	7,457	8,465	15,478	17,571	22,935	26,036	3,101	13.52%
Total Retail	1,343,212	10,371,879	17,886,899	28,258,778	843,576	957,628	1,287,846	1,461,962	2,131,422	2,419,590	288,168	13.52%
Other Rev Increase					0	0	0	0	0	0	0	
Interdept. Increase					0	25	0	26	0	51	51	
Total Revenue	1,343,212	10,371,879	17,886,899	28,258,778	843,576	957,653	1,287,846	1,461,988	2,131,422	2,419,642	288,220	13.52%
Interdepartmental	5	3,208	2,925	6,133	187	187	192	192	380	380	0	0.00%
Retail Related Rev	1,343,217	10,375,088	17,889,824	28,264,912	843,763	957,840	1,288,038	1,462,181	2,131,801	2,420,021	288,220	13.52%

Total Revenue Target
 Rounding Difference

288,291
 -71

Interim Rate Adj. = 20.04%

SALES AND REVENUE BY RATE SCHEDULE

Service Schedule	Average Customers	Revenues (\$1,000's)										
		MWH Sales			Summer		Winter		Annual		Increase	
		Summer	Winter	Annual	Present	Interim	Present	Interim	Present	Interim	Amount	Percent
Residential												
Residential	1,195,368	3,210,300	5,199,055	8,409,355	344,199	413,177	530,874	637,261	875,073	1,050,438	175,365	20.04%
Residential TOD	10,304	29,054	42,619	71,673	3,328	3,995	4,386	5,265	7,714	9,260	1,546	20.04%
Residential EV	2,065	42,355	81,534	123,889	3,077	3,694	5,230	6,278	8,307	9,972	1,665	20.04%
Load Management	3,813	7,476	36,136	43,613	452	542	1,778	2,135	2,230	2,677	447	20.04%
Res Total	1,211,549	3,289,186	5,359,345	8,648,531	351,057	421,408	542,268	650,938	893,325	1,072,347	179,022	20.04%
C&I - Non-Demand												
Small General	76,931	240,114	479,227	719,341	24,776	29,741	43,803	52,581	68,579	82,323	13,743	20.04%
Small General TOD	11,288	25,182	58,213	83,395	2,440	2,928	4,868	5,844	7,308	8,772	1,464	20.04%
Load Management	197	631	3,289	3,920	51	61	208	250	259	311	52	20.04%
C&I N-D Total	88,416	265,927	540,729	806,656	27,267	32,731	48,880	58,675	76,146	91,406	15,260	20.04%
C&I - Demand												
General	43,136	2,643,524	4,814,000	7,457,524	213,160	255,878	324,560	389,601	537,720	645,479	107,759	20.04%
General TOD	4,875	2,566,915	4,464,876	7,031,790	151,687	182,085	221,389	265,756	373,077	447,841	74,765	20.04%
Light Rail	31	8,324	18,506	26,830	582	698	1,153	1,384	1,735	2,082	348	20.04%
Peak-Controlled	1,373	369,857	718,418	1,088,275	27,034	32,452	46,296	55,574	73,331	88,026	14,695	20.04%
Peak-Controlled TOD	339	870,381	1,565,154	2,435,535	44,174	53,026	73,036	87,673	117,210	140,699	23,489	20.04%
Energy Controlled, Real Time Pricing and Commercial EV	24	93,849	198,822	292,671	3,516	4,221	7,254	8,707	10,770	12,928	2,158	20.04%
C&I Dmd Total	49,777	6,552,850	11,779,776	18,332,625	440,153	528,360	673,688	808,696	1,113,841	1,337,055	223,214	20.04%
C&I Total	138,193	6,818,777	12,320,505	19,139,282	467,420	561,091	722,568	867,371	1,189,988	1,428,461	238,474	20.04%
Public Authorities												
Small Mun Pumping	880	2,044	4,363	6,407	227	273	414	497	642	770	129	20.04%
Municipal Pumping	569	23,062	33,328	56,390	2,175	2,611	2,743	3,292	4,918	5,903	985	20.04%
Siren Service	0	0	0	0	12	14	23	28	35	42	7	20.04%
PA Total	1,449	25,106	37,692	62,797	2,414	2,897	3,180	3,818	5,594	6,715	1,121	20.04%
Lighting												
System Service	0	7,409	24,423	31,832	5,385	6,464	10,769	12,927	16,154	19,391	3,237	20.04%
Energy	0	4,713	15,535	20,248	379	455	758	909	1,136	1,364	228	20.04%
Metered Energy	3,186	9,678	31,902	41,580	503	603	1,574	1,889	2,076	2,493	416	20.04%
Protective Lighting	0	7,582	21,608	29,190	1,199	1,439	2,398	2,879	3,597	4,318	721	20.04%
Lighting Total	3,186	29,382	93,467	122,850	7,465	8,961	15,499	18,605	22,964	27,566	4,602	20.04%
Total Retail	1,354,377	10,162,450	17,811,008	27,973,459	828,355	994,357	1,283,515	1,540,731	2,111,870	2,535,089	423,219	20.04%
Other Rev Increase					0	0	0	0	0	0	0	
Interdept. Increase					0	38	0	39	0	77	77	
Total Revenue	1,354,377	10,162,450	17,811,008	27,973,459	828,355	994,395	1,283,515	1,540,770	2,111,870	2,535,165	423,295	20.04%
Interdepartmental	5	3,208	2,925	6,133	188	188	194	194	382	382	0	0.00%
Retail Related Rev	1,354,382	10,165,659	17,813,933	27,979,592	828,543	994,584	1,283,708	1,540,964	2,112,252	2,535,547	423,295	20.04%

Total Revenue Target
 Rounding Difference

423,344
 -49

**2022 Interim Tariffs
Redline**

2022 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

.Sheet No. 1-3, revision 20
.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. 5-7.1, revision 1
.Sheet No. 5-8.2, revision 3
.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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~~19th~~^{20th} Revised Sheet No. 3

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N

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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 13.52% 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)

Date Filed: ~~03-15-19~~10-25-21 By: Christopher B. Clark Effective Date: ~~06-01-19~~
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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 13.52% 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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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
~~1st~~^{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 13.52% 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

**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 (Windsources 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 13.52% 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. 5-6)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE HOME SERVICE
RATE CODE A80, A81**

Section No. 5
~~Original~~ 1st Revised Sheet No. 7.1

RATE

Customer Charge per Month	
Bundled (A80)	\$16.48
Pre-Pay Option/Installation Only (A81)	\$6.68
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

PRE-PAY/INSTALLATION ONLY OPTION

The Pre-Pay/Installation Only 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, or who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service

Customers choosing the Installation-Only Service are also responsible for a \$240 charge covering the cost of installing and setting up the customer-owned charger for integration with the Company's systems and participation in the program.

INTERIM RATE ADJUSTMENT

A 13.52% 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.

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. 7.2)

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

Section No. 5
~~2nd~~^{3rd} Revised Sheet No. 8.2

RATE

Customer Charge per Month

<u>General System Energy</u>	
Bundled (A82)	\$42.50
Pre-Pay Option (A83)	\$32.65

<u>Renewable Energy (Windsources)</u>	
Bundled (A82)	\$45.02
Pre-Pay Option (A83)	\$35.17

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 13.52% 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.

(Continued on Sheet No. 5-8.3)

Date Filed:	11-27-20 <u>10-25-21</u>	By: Christopher B. Clark	Effective Date:	11-27-20
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/ M-19-559 <u>GR-21-630</u>		Order Date:	11-17-20

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

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

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

	Residential	Commercial & Industrial
Customer Charge	\$4.95	\$4.95
Energy Charge per kWh	\$0.04487	\$0.04487
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 13.52% 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)

Date Filed: ~~03-15-19~~¹⁰⁻²⁵⁻²¹ By: Christopher B. Clark Effective Date: ~~06-01-19~~
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Docket No. E002/~~CI-17-895~~^{GR-21-630} Order Date: ~~05-10-19~~

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIMITED OFF PEAK SERVICE
RATE CODE A06**

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

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

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

INTERIM RATE ADJUSTMENT

A 13.52% 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
~~24th~~^{25th} Revised Sheet No. 14

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

<u>Designation of Lamp</u> (Lumens)	<u>Monthly Rate Per Unit</u>
Area Units	
100W High Pressure Sodium	\$7.41
175W Mercury (1)	\$7.41
250W High Pressure Sodium	\$11.83
400W Mercury (1)	\$11.83
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 13.52% 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

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 13.52% 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. 5-22)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ CI-17-895 <u>GR-21-630</u>		Order Date:	05-10-19

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

Section No. 5
~~31st~~^{32nd} Revised Sheet No. 23

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

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

Energy Charge per kWh	<u>Oct-May</u>	<u>Jun-Sep</u>
On Peak Period (A12)	\$0.11723	\$0.14880
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 13.52% 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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President, Northern States Power Company, a Minnesota corporation
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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
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 13.52% 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
~~27th~~^{28th} Revised Sheet No. 29

AVAILABILITY-MANDATORY

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

AVAILABILITY-OPTIONAL

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

Customer Charge per Month – Time Of Day Metered (A15)		\$29.64
-- kWh Metered (A17)		\$25.64
-- Unmetered (A19)		\$21.64
Service at Secondary Voltage	<u>Oct-May</u>	<u>Jun-Sep</u>
Demand Charge per Month per kW		
On Peak Period Demand	\$10.49	\$14.79
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 13.52% 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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PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
~~18th~~^{19th} Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 13.52% 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.

(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)

	<u>Tier 1</u>	<u>Tier 2</u>
Demand Charge per Month per kW		
On Peak Period Demand		
Firm Demand		
June - September	\$14.79	\$14.79
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86
Level C: ≥ 85% PF	\$6.56	\$7.34
Short Notice Rider	\$6.09	Not Available
Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec)	\$2.35	\$2.35
	<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>
Primary Voltage	\$0.80	\$0.00105
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

INTERIM RATE ADJUSTMENT

A 13.52% 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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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**ELECTRIC VEHICLE FLEET PILOT SERVICE
RATE CODE A87, A88, A89**Section No. 5
~~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 (Windsorce 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 13.52% 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. 5-51.1)

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Docket No.	E002/ M-18-643 <u>GR-21-630</u>		Order Date:	07-17-19

N
N
N

**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 13.52% 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. 5-52.1)

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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 13.52% 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.

(Continued on Sheet No. 5-65.1)

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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	
Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand		\$1.55	
Generation Demand Charge per Month per kW	OCT-MAY		JUN-SEP
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 13.52% 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. 5-72)

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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 13.52% 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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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 13.52% 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. 5-77)

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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

INTERIM RATE ADJUSTMENT

A 13.52% 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.

(Continued on Sheet No. 78.1)

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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 13.52% 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)

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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 13.52% 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.

(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
~~34st~~^{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 13.52% 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. 5-88)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5
~~12th~~^{13th} Revised Sheet No. 94

CANCELED AVAILABILITY

GDN

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge
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 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N

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By: Christopher B. Clark

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

OFF SEASON LOAD RIDER

Section No. 5
~~5th~~^{6th} Revised Sheet No. 100

AVAILABILITY

Available to any General Service customer whose maximum monthly demand occurs during the usage months of April, May, October, or November. Typical applications would be agricultural grain drying and handling loads.

RATE

The General Service rate provisions apply except the adjusted demands established during the usage months of April, May, October, and November are not included in determining the 50% demand ratchet contained in the General Service determination of demand provision.

INTERIM RATE ADJUSTMENT

A 13.52% 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 13.52% 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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**2022 Interim Tariffs
Clean**

2022 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

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.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. 5-7.1, revision 1
.Sheet No. 5-8.2, revision 3
.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
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.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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N

(Continued on Sheet No. 1-4)

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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 13.52% 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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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 13.52% 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

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
20th Revised Sheet No. 5

AVAILABILITY

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

CHARACTER OF SERVICE

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

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (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 13.52% 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. 5-6)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE HOME SERVICE
RATE CODE A80, A81**

Section No. 5
1st Revised Sheet No. 7.1

RATE

Customer Charge per Month	
Bundled (A80)	\$16.48
Pre-Pay Option/Installation Only (A81)	\$6.68
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

PRE-PAY/INSTALLATION ONLY OPTION

The Pre-Pay/Installation Only 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, or who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service

Customers choosing the Installation-Only Service are also responsible for a \$240 charge covering the cost of installing and setting up the customer-owned charger for integration with the Company's systems and participation in the program.

INTERIM RATE ADJUSTMENT

A 13.52% 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.

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. 7.2)

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

Section No. 5
3rd Revised Sheet No. 8.2

RATE

Customer Charge per Month

<u>General System Energy</u>	
Bundled (A82)	\$42.50
Pre-Pay Option (A83)	\$32.65

<u>Renewable Energy (Windsources)</u>	
Bundled (A82)	\$45.02
Pre-Pay Option (A83)	\$35.17

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 13.52% 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.

(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 13.52% 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 & 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 13.52% 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> (Lumens)	<u>Monthly Rate Per Unit</u>
Area Units	
100W High Pressure Sodium	\$7.41
175W Mercury (1)	\$7.41
250W High Pressure Sodium	\$11.83
400W Mercury (1)	\$11.83
30-45W Light Emitting Diode (4,000)	\$7.28
110-165W Light Emitting Diode (14,000)	\$11.33
Directional Units	
250W High Pressure Sodium	\$14.08
400W High Pressure Sodium	\$17.62
1,000W Mercury (1)	\$27.33

(1) Available to existing installations only.

INTERIM RATE ADJUSTMENT

A 13.52% 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

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

Section No. 5
32nd Revised Sheet No. 21

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

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

Energy Charge per kWh

June - September	\$0.09256
Other Months	\$0.07757

Demand Charge (Direct Current Only) per Month per kW of Connected Load	\$3.61
---	--------

INTERIM RATE ADJUSTMENT

A 13.52% 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. 5-22)

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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 13.52% 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
 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 13.52% 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
 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 13.52% 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

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
19th Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 13.52% 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.

(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)

26th Revised Sheet No. 45

RATE CODE A24

RATE (Continued)

	<u>Tier 1</u>	<u>Tier 2</u>
Demand Charge per Month per kW		
On Peak Period Demand		
Firm Demand		
June - September	\$14.79	\$14.79
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86
Level C: ≥ 85% PF	\$6.56	\$7.34
Short Notice Rider	\$6.09	Not Available
Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec)	\$2.35	\$2.35
	<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>
Primary Voltage	\$0.80	\$0.00105
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

INTERIM RATE ADJUSTMENT

A 13.52% 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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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**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 (Windsorce 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 13.52% 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. 5-51.1)

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N
N
N

**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 13.52% 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. 5-52.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
23rd Revised Sheet No. 65

INTERIM RATE ADJUSTMENT

A 13.52% 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.

(Continued on Sheet No. 5-65.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
18th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

Customer Charge per Month per Traction Station		\$100.00	
Transmission and Distribution Demand Charge per Month per kW			
All Traction Station On Peak Non-Coincident Billing Demands		\$5.28	
Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand		\$1.55	
Generation Demand Charge per Month per kW	OCT-MAY		JUN-SEP
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 13.52% 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. 5-72)

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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

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 13.52% 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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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE (CLOSED)
RATE CODE A32**

Section No. 5
26th Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

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

RATE

<u>Designation of Lamp</u> (Lumens)	<u>Monthly Rate per Luminaire</u>
100W Mercury	\$2.45
175W Mercury	\$3.64
250W Mercury	\$4.94
400W Mercury	\$7.69
700W Mercury	\$12.78
1,000W Mercury	\$17.77
50W High Pressure Sodium	\$1.37
70W High Pressure Sodium	\$1.73
100W High Pressure Sodium	\$2.29
150W High Pressure Sodium	\$3.14
200W High Pressure Sodium	\$4.18
250W High Pressure Sodium	\$5.28
400W High Pressure Sodium	\$8.03
750W High Pressure Sodium	\$13.78
F72HO Fluorescent	\$3.61
<30W Light Emitting Diode (2,500)	\$1.06
30-45W Light Emitting Diode (4,000)	\$1.34
50-75W Light Emitting Diode (6,000)	\$1.85
110-165W Light Emitting Diode (14,000)	\$3.44
200-250W Light Emitting Diode (25,000)	\$5.14

INTERIM RATE ADJUSTMENT

A 13.52% 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. 5-77)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
30th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

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

RATE

Customer Charge per Meter per Month \$5.00

Energy Charge per kWh \$0.04534

INTERIM RATE ADJUSTMENT

A 13.52% 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.

(Continued on Sheet No. 78.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
28th Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

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

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate per Luminaire</u>
100W High Pressure Sodium	\$5.48
150W High Pressure Sodium	\$6.14
250W High Pressure Sodium	\$8.60

INTERIM RATE ADJUSTMENT

A 13.52% 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)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
31st Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

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

RATE

	<u>Oct-May</u>	<u>Jun-Sep</u>
Customer Charge per Month	\$10.00	\$10.00
Energy Charge per kWh	\$0.07757	\$0.09256

INTERIM RATE ADJUSTMENT

A 13.52% 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.

(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
 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 13.52% 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. 5-88)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
15th Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

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

RATE

Per Month per Horsepower of Connected Capacity \$0.76

INTERIM RATE ADJUSTMENT

A 13.52% 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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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5
13th Revised Sheet No. 94

AVAILABILITY

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge
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 13.52% 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
N

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 13.52% 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
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 13.52% 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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**2023 Interim Tariffs
Redline**

2023 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

.Sheet No. 1-3, revision 20
.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. 5-7.1, revision 1
.Sheet No. 5-8.2, revision 3
.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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~~19th~~^{20th} Revised Sheet No. 3

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N

(Continued on Sheet No. 1-4)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
~~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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
~~1st~~^{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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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

**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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

(Continued on Sheet No. 5-6)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE HOME SERVICE
RATE CODE A80, A81**

Section No. 5
~~Original~~ 1st Revised Sheet No. 7.1

RATE

Customer Charge per Month	
Bundled (A80)	\$16.48
Pre-Pay Option/Installation Only (A81)	\$6.68
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

PRE-PAY/INSTALLATION ONLY OPTION

The Pre-Pay/Installation Only 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, or who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service

Customers choosing the Installation-Only Service are also responsible for a \$240 charge covering the cost of installing and setting up the customer-owned charger for integration with the Company’s systems and participation in the program.

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the “Interim Rate Surcharge Rider” to service provided beginning January 1, 2023.

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.

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. 7.2)

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

Section No. 5
~~2nd~~^{3rd} Revised Sheet No. 8.2

RATE

Customer Charge per Month

<u>General System Energy</u>	
Bundled (A82)	\$42.50
Pre-Pay Option (A83)	\$32.65

<u>Renewable Energy (Windsources)</u>	
Bundled (A82)	\$45.02
Pre-Pay Option (A83)	\$35.17

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LATE PAYMENT CHARGE

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

(Continued on Sheet No. 5-8.3)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

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

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

	Residential	Commercial & Industrial
Customer Charge	\$4.95	\$4.95
Energy Charge per kWh	\$0.04487	\$0.04487
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
~~33rd~~34th Revised Sheet No. 11

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

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

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

<u>Designation of Lamp</u> (Lumens)	<u>Monthly Rate Per Unit</u>
Area Units	
100W High Pressure Sodium	\$7.41
175W Mercury (1)	\$7.41
250W High Pressure Sodium	\$11.83
400W Mercury (1)	\$11.83
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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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630

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

(Continued on Sheet No. 5-22)

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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
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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~~^{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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

(Continued on Sheet No. 5-30)

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PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
~~18th~~^{19th} Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

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

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP's established criteria.

DETERMINATION OF DEMAND

Maximum Actual Demand in kW shall be the greatest 15-minute load during the billing month.

Adjusted Demand in kW for billing purposes shall be determined by dividing the Maximum Actual Demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW.

(Continued on Sheet No. 5-42)

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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)

	<u>Tier 1</u>	<u>Tier 2</u>
Demand Charge per Month per kW		
On Peak Period Demand		
Firm Demand		
June - September	\$14.79	\$14.79
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86
Level C: ≥ 85% PF	\$6.56	\$7.34
Short Notice Rider	\$6.09	Not Available
Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec)	\$2.35	\$2.35
	<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>
Primary Voltage	\$0.80	\$0.00105
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
~~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

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
~~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 (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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

(Continued on Sheet No. 5-52.1)

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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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

DAY-TYPE

Separate energy charges are defined for each of eight day-types. Company will normally designate the applicable day-type for each day by 4:00 p.m. of the preceding day. If Company has not designated the applicable day by 4:00 p.m., the day-type will be the same as the last designated day-type, unless Company later designates a lower cost day-type.

CONTRACT

Customers must contract for this service through an Electric Service Agreement with Company. Contract period will normally be for one year.

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

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

PEAK PERIOD HOURS DEFINITION

Peak period hours are the nine hours between 9:00 a.m. and 6:00 p.m. for day-types 1, 2, 3, 4, 5, and 6. No peak period hours are applicable for day-types 7 and 8.

(Continued on Sheet No. 5-65.1)

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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	
Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand		\$1.55	
Generation Demand Charge per Month per kW	OCT-MAY		JUN-SEP
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

(Continued on Sheet No. 5-72)

Date Filed:	03-15-19 10-25-21	By: Christopher B. Clark	Effective Date:	06-01-19
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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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
~~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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

(Continued on Sheet No. 5-77)

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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

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

(Continued on Sheet No. 78.1)

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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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MUNICIPAL PUMPING SERVICE
RATE CODE A41**

Section No. 5
~~34st~~^{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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

(Continued on Sheet No. 5-88)

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

Section No. 5
~~14th~~^{15th} Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

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

RATE

Per Month per Horsepower of Connected Capacity \$0.76

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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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630

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5
~~12th~~^{13th} Revised Sheet No. 94

CANCELED AVAILABILITY

CDN

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge
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 20.04% 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: ~~11-02-15~~¹⁰⁻²⁵⁻²¹

By: Christopher B. Clark

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President, Northern States Power Company, a Minnesota corporation

Docket No. E002/GR-~~15-826~~²¹⁻⁶³⁰

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

OFF SEASON LOAD RIDER

Section No. 5

~~5th~~^{6th} Revised Sheet No. 100

AVAILABILITY

Available to any General Service customer whose maximum monthly demand occurs during the usage months of April, May, October, or November. Typical applications would be agricultural grain drying and handling loads.

RATE

The General Service rate provisions apply except the adjusted demands established during the usage months of April, May, October, and November are not included in determining the 50% demand ratchet contained in the General Service determination of demand provision.

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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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**2023 Interim Tariffs
Clean**

2023 INTERIM TARIFF SHEETS

Minnesota Electric Rate Book - MPUC No. 2

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Sheet No. 5-2, revision 32
Sheet No. 5-4.1, revision 2
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Sheet No. 5-7.1, revision 1
Sheet No. 5-8.2, revision 3
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Sheet No. 5-65, revision 23
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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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N

(Continued on Sheet No. 1-4)

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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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
20th Revised Sheet No. 5

AVAILABILITY

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

CHARACTER OF SERVICE

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

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

(Continued on Sheet No. 5-6)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE HOME SERVICE
RATE CODE A80, A81**

Section No. 5
1st Revised Sheet No. 7.1

RATE

Customer Charge per Month	
Bundled (A80)	\$16.48
Pre-Pay Option/Installation Only (A81)	\$6.68
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

PRE-PAY/INSTALLATION ONLY OPTION

The Pre-Pay/Installation Only 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, or who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service

Customers choosing the Installation-Only Service are also responsible for a \$240 charge covering the cost of installing and setting up the customer-owned charger for integration with the Company's systems and participation in the program.

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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.

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. 7.2)

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

Section No. 5
3rd Revised Sheet No. 8.2

RATE

Customer Charge per Month

<u>General System Energy</u>	
Bundled (A82)	\$42.50
Pre-Pay Option (A83)	\$32.65

<u>Renewable Energy (Windsources)</u>	
Bundled (A82)	\$45.02
Pre-Pay Option (A83)	\$35.17

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LATE PAYMENT CHARGE

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

(Continued on Sheet No. 5-8.3)

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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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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 & 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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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

(1) Available to existing installations only.

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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

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

Section No. 5
32nd Revised Sheet No. 21

AVAILABILITY

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

DETERMINATION OF CUSTOMER BILLS

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

RATE

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

Energy Charge per kWh

June - September	\$0.09256
Other Months	\$0.07757

Demand Charge (Direct Current Only) per Month per kW of Connected Load	\$3.61
---	--------

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

(Continued on Sheet No. 5-22)

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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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
 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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
 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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
 N
 N

(Continued on Sheet No. 5-30)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
19th Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

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

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP's established criteria.

DETERMINATION OF DEMAND

Maximum Actual Demand in kW shall be the greatest 15-minute load during the billing month.

Adjusted Demand in kW for billing purposes shall be determined by dividing the Maximum Actual Demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW.

(Continued on Sheet No. 5-42)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE

Section No. 5

(Continued)

26th Revised Sheet No. 45

RATE CODE A24

RATE (Continued)

	<u>Tier 1</u>	<u>Tier 2</u>
Demand Charge per Month per kW		
On Peak Period Demand		
Firm Demand		
June - September	\$14.79	\$14.79
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86
Level C: ≥ 85% PF	\$6.56	\$7.34
Short Notice Rider	\$6.09	Not Available
Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec)	\$2.35	\$2.35
	<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>
Primary Voltage	\$0.80	\$0.00105
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

(Continued on Sheet No. 5-51.1)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:
		President, Northern States Power Company, a Minnesota corporation	
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N
N
N

**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 (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 20.04% Interim Rate Surcharge will be applied to rate components specified in the “Interim Rate Surcharge Rider” to service provided beginning January 1, 2023.

N
N
N

(Continued on Sheet No. 5-52.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
23rd Revised Sheet No. 65

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

DAY-TYPE

Separate energy charges are defined for each of eight day-types. Company will normally designate the applicable day-type for each day by 4:00 p.m. of the preceding day. If Company has not designated the applicable day by 4:00 p.m., the day-type will be the same as the last designated day-type, unless Company later designates a lower cost day-type.

CONTRACT

Customers must contract for this service through an Electric Service Agreement with Company. Contract period will normally be for one year.

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

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

PEAK PERIOD HOURS DEFINITION

Peak period hours are the nine hours between 9:00 a.m. and 6:00 p.m. for day-types 1, 2, 3, 4, 5, and 6. No peak period hours are applicable for day-types 7 and 8.

(Continued on Sheet No. 5-65.1)

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**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
18th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

Customer Charge per Month per Traction Station		\$100.00	
Transmission and Distribution Demand Charge per Month per kW			
All Traction Station On Peak Non-Coincident Billing Demands		\$5.28	
Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand		\$1.55	
Generation Demand Charge per Month per kW	OCT-MAY		JUN-SEP
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

(Continued on Sheet No. 5-72)

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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

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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> (Lumens)	<u>Monthly Rate per Luminaire</u>
100W Mercury	\$2.45
175W Mercury	\$3.64
250W Mercury	\$4.94
400W Mercury	\$7.69
700W Mercury	\$12.78
1,000W Mercury	\$17.77
50W High Pressure Sodium	\$1.37
70W High Pressure Sodium	\$1.73
100W High Pressure Sodium	\$2.29
150W High Pressure Sodium	\$3.14
200W High Pressure Sodium	\$4.18
250W High Pressure Sodium	\$5.28
400W High Pressure Sodium	\$8.03
750W High Pressure Sodium	\$13.78
F72HO Fluorescent	\$3.61
<30W Light Emitting Diode (2,500)	\$1.06
30-45W Light Emitting Diode (4,000)	\$1.34
50-75W Light Emitting Diode (6,000)	\$1.85
110-165W Light Emitting Diode (14,000)	\$3.44
200-250W Light Emitting Diode (25,000)	\$5.14

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
 N
 N

(Continued on Sheet No. 5-77)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
30th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

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

RATE

Customer Charge per Meter per Month \$5.00

Energy Charge per kWh \$0.04534

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

SURCHARGE

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

(Continued on Sheet No. 78.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
28th Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

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

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate per Luminaire</u>
100W High Pressure Sodium	\$5.48
150W High Pressure Sodium	\$6.14
250W High Pressure Sodium	\$8.60

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

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

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MUNICIPAL PUMPING SERVICE
RATE CODE A41**

Section No. 5
32nd Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

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

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

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

ENVIRONMENTAL IMPROVEMENT RIDER

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

(Continued on Sheet No. 5-88)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
15th Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

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

RATE

Per Month per Horsepower of Connected Capacity \$0.76

INTERIM RATE ADJUSTMENT

A 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

N
N
N

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

MONTHLY MINIMUM CHARGE

Net per Month \$3.66

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

LATE PAYMENT CHARGE

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

CONNECTION

Under the above rate, the Company will make no extension for service other than a normal service span. Where conditions are such that a long service connection or extra transformer capacity, or both, are necessary, the customer shall either pay the entire cost of such extra equipment or pay a monthly facilities charge based on such costs.

The circuit serving the siren must be in conduit from the entrance to the motor with an enclosed entrance switch box, which may be sealed and operated from an external appliance.

OPTIONAL

In case the customer already has a service connection of sufficient capacity to permit operation of the siren without unduly disturbing conditions on the Company's nearby circuits, the siren may be connected at the option of the customer on the load side of the customer's existing meter and the commercial rate applied to the total load.

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5
13th Revised Sheet No. 94

AVAILABILITY

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge
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 20.04% 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

N

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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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
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 20.04% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2023.

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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