414 Nicollet Mall
Minneapolis, MN 55401

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October 17, 2025

—Via Electronic Filing—

Sasha Bergman
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

RE: REPLY COMMENTS
IN THE MATTER OF THE PETITION OF NORTHERN STATES POWER COMPANY, DBA XCEL ENERGY, FOR APPROVAL OF A RESIDENTIAL TIME OF USE RATE DESIGN
DOCKET NOS. E002/M-23-524 AND E002/M-25-394

Dear Ms. Bergman:

Northern States Power Company, doing business as Xcel Energy, submits the enclosed Reply Comments pursuant to the Notice of Comment Period issued September 5, 2025 by the Minnesota Public Utilities Commission.

Attachments A and B are marked "NOT PUBLIC" in their entirety as they include confidential information. Attachment A is the Cost Duration Model that is a NOT-PUBLIC Company work product. Xcel Energy maintains this model as a trade secret pursuant to Minn. Stat. §13.37, subd. 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. Attachment B is the Company's revenue model that is also a NOT-PUBLIC Company work product. Xcel Energy maintains this model as a trade secret pursuant to Minn. Stat. §13.37, subd. 1(b) based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. Parts of the revenue model also contain not-public data on individual customers, which is protected under the Minnesota Data Practices Act. Specific customer data (including the name, address or related usage) in the model 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.

Additionally, certain portions of Attachment C are marked as "NOT PUBLIC" and meet the definition of trade secret information pursuant to Minn. Stat. § 13.37. In particular, the Protected Data address the operating costs, number of hours or operation, and avoided capacity costs of recently added specific generating plants and also of possible future generating plants. We also use the Protected Data to sell and buy wholesale energy in the MISO market, and public disclosure of this information could severely impede our trading operations to the detriment of ratepayers. Release of this information could also undermine the Company's resource bidding process by providing potential suppliers with a compilation of competitive information that derives independent economic value from not being generally known or ascertainable. This information includes data regarding costs of energy from possible new generating facilities that is not otherwise public. Disclosure of this information could result in higher costs of energy for Xcel Energy customers by allowing potential suppliers to modify their pricing from what they would otherwise bid. Disclosure would also harm third parties described above. The Protected Data is subject to the efforts of the Company and the third parties to maintain its secrecy. This information derives independent economic value from not being generally known or readily ascertainable by others who could obtain a financial advantage from its use.

Attachments A and B are marked as "NOT-PUBLIC" in entirety, and certain portions of Attachment C are marked as "NOT_PUBLIC." Xcel Energy maintains this information as a trade secret pursuant to Minn. Rule 7829.0500, subp 3.

1. **Nature of the Material:** Attachment A is the Company's Cost Duration model that was developed specifically for this topic and proceeding and is is a NOT-PUBLIC Company work product. Attachment B is an Excel workbook revenue model that supported the rate design schedules in the Company's November 14, 2023 filing in DOCKET NO. E002/M-21-630 to support final rates approved in the docket. For this docket, an additional tab was created and used to calculate the final TOU rate design that maintains revenue neutrality with 2024 Plan Year rates approved. Attachment C is the Company's model to calculate our Cogeneration, Small Power Production, and Net Metering rates.
2. **Authors:** Xcel Energy Pricing and Resource Planning personnel
3. **Importance:** Attachments A and B represent Company work product that has economic value (actual or potential) to the Company as a result of not being generally known to, and not being readily ascertainable by proper means, by other persons, and that Xcel Energy maintains as a trade secret. The revenue

model also includes not-public data that can identify individual customers, and thus Xcel Energy protects it from public disclosure. Attachment C includes the operating costs, number of hours or operation, and avoided capacity costs of recently added specific generating plants and also of possible future generating plants, and data to sell and buy wholesale energy in the MISO market that has economic value (actual or potential) to the Company as a result of not being generally known to, and not being readily ascertainable by proper means, by other persons, and that Xcel Energy maintains as a trade secret.

4. **Date the Information was Prepared:** With respect to Attachments A and B: March and August 2025. With respect to Attachment C: Q4 2024 and June - August 2025.

Additionally, Attachment B has been more restrictively designated as "Highly Confidential Trade Secret" in its entirety as this information includes certain competitively sensitive Trade Secret Information. Given the sensitive nature of the Highly Confidential Trade Secret Information, the Company requests that this information should not be disclosed in this docket to any party other than government agencies. If necessary, the Company will file a motion for a Protective Order in this docket at the appropriate time after the close of the comment period.

We have electronically filed this document with the Minnesota Public Utilities Commission, and copies have been served on the parties on the attached service list. Please contact Brandon Kirschner at 612-215-5361 or Brandon.M.Kirschner@xcelenergy.com or contact me at Holly.R.Hinman@xcelenergy.com if you have any questions regarding this filing.

Sincerely,

/s/

HOLLY HINMAN
DIRECTOR, REGULATORY & STRATEGIC ANALYSIS

Enclosures
cc: Service Lists

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STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Katie J. Sieben	Chair
Hwikwon Ham	Commissioner
Audrey C. Partridge	Commissioner
Joseph K. Sullivan	Commissioner
John A. Tuma	Commissioner

IN THE MATTER OF THE PETITION OF NORTHERN STATES POWER COMPANY, DBA XCEL ENERGY, FOR APPROVAL OF A RESIDENTIAL TIME OF USE RATE DESIGN	DOCKET NOS. E002/M-23-524 E002/M-25-394 **REPLY COMMENTS**

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy (Company), submits these Reply Comments pursuant to the Notice of Comment Period issued September 5, 2025 by the Minnesota Public Utilities Commission (Commission).

We appreciate the comments from parties in this proceeding as we pursue the implementation of our Residential Time of Use (TOU) rate. In these Reply Comments, we address topics raised by parties and provide additional information that they specifically requested in their October 7, 2025 Comments. The topics we discuss in these Reply Comments are as follows:

- Rate Calculations and Supporting Data
- Net Metering Customer Outreach and Additional Reporting Requirements
- Space Heating Rate Enrollment
- Bill Impact Analysis

Beyond the topics discussed above, in these Reply Comments the Company also includes additional tariff modifications related to our net metering tariffs. The additional tariff modifications do not substantively change the tariffs but are to ensure that the proper rate codes and program names are reflected in the final tariff language. We request that the Commission approve these additional modifications along with the modifications proposed in our August 14, 2025 Compliance Filing. We discuss the details of the additional tariff modifications below.

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REPLY COMMENTS

I. RATE CALCULATIONS AND SUPPORTING DATA

The Minnesota Department of Commerce (Department) requested that the Company provide all data and calculations to support rates that we included in our August 14, 2025, Compliance Filing. In response to the Department's requests, the Company provides the data and calculations supporting our Residential TOU Service rates as Attachments A and B. Attachment A includes the relevant Cost Duration Model information and Attachment B includes the Revenue Model used to calculate the Residential TOU rate. Attachments A and B are consistent with the attachments provided in Department Information Request No. 14. We also provide the data and calculations supporting the Sale to Company After Customer Self[1], Monthly Net Metering[2], and Annual Net Metering[3] compensation rates as Attachment C. In addition, Attachment C includes the data and calculations supporting the proposed compensation rates under our new methodology for the Excess Generation-Average Retail Utility Energy Service[4] net metering tariff. Attachment C is consistent with the attachment provided in Department Information Request Number 12 and referenced in Department Information Request Number 13.

We note that we are not asking for approval of the presented TOU net-metering rates, but for approval of the calculation methodology. The rates presented are 2025 rates and we expect they would not be approved in time to be effective before 2026 rates would be effective. We plan to include TOU net-metering calculations in our 2026 Cogeneration and Small Power Production Report and Petition due January 2, 2026. We would note in the January 2 filing that their effectiveness is contingent on approval of the methodology in this proceeding.

II. NET METERING CUSTOMER OUTREACH AND ADDITIONAL REPORTING REQUIREMENTS

The Minnesota Solar Energy Industries Association (MnSEIA) provided comments primarily focused on our Net Metering rates. We appreciate their support for the revised methodology for calculating our time-varying A60 net metering rate. As part of their Comments, they also recommend that the Commission require the Company to include Rate Code A60 as a part of our outreach to developers and customers. The

[1] Rate Code A57
[2] Rate Code A58
[3] Rate Code A59
[4] Rate Code A60

Company agrees with MnSEIA's recommendation. We have already planned to develop targeted outreach materials for existing distributed generation customers on Rate Codes A51 through A56. We will incorporate customers on the new A60 rate into these efforts to ensure consistent and inclusive communications.

Additionally, an informational session on the new rates will be integrated into a workshop for distributed energy resources (DER) developers scheduled for early 2026. This will provide an opportunity to share updates, answer questions, and support a smooth transition for stakeholders engaging with the new rate structure.

In addition, to their recommendation for modifications to our customer and developer outreach plan, MnSEIA also requests that the Company track the rate of battery storage paired with solar for new metered customers that participate in the TOU rate. We do not support adding this as an additional reporting requirement for this proceeding. We believe that reporting on battery storage systems is outside the scope of reporting on the TOU rate as battery storage is not a consideration in our development and implementation of the rate. Our focus is to ensure we are implementing reasonable rates for our customers, and we engage with them in ways that help them be successful and informed.

III. SPACE HEATING RATE ENROLLMENT

The Center for Energy and Environment (CEE) provided comments regarding marketing outreach and enrollment processes for the space heating rate. As outlined in the Company's Compliance Report[5], we plan to promote the space heating rate through multiple channels. We agree customers installing heat pumps are a key target audience for this rate, as it helps make heat pump installations more accessible and affordable for our customers.

To help raise awareness, we intend to include information about the space heating rate in our heat pump program materials and applications. This will include a description of the rate, its benefits, eligibility requirements and how to enroll. It is worth noting that because heat pump applications are submitted by the contractor, usually online, the customer rarely sees the application directly. So, we will continue exploring additional outreach strategies to ensure customers are informed and can take full advantage of the rate.

[5] *In the Matter of the Petition of Northern States Power Company, dba Xcel Energy, for Approval of a Residential Time of Use Rate Design*, Docket No. E002/M-23-524, COMPLIANCE FILING (August 14, 2025).

While we are still evaluating potential enrollment processes for the space heating rate, one option recommended by CEE in their comments[6] is to include a customer consent form. This form would confirm the customer's agreement to the rate change and verify that electricity is the primary heating source for the home. The contractor would then submit the signed form along with the rebate application. While this approach helps ensure customer awareness and verification, it involves multiple touchpoints and may not fully align with CEE's stated goal in their reply comments to, "…minimize barriers and maximize opportunities for enrollment." As a result, the Company continues to research outreach opportunities and enrollment processes to streamline efforts and simplify the customer experience.

As noted in the Company's Compliance Report, we plan to implement an annual process to contact customers who received a rebate for a ducted heat pump but are not currently enrolled in space heating rate. This outreach will highlight the benefits of the rate and encourage enrollment. Additionally, the Company is exploring options to offer customers a streamlined online self-service enrollment process to further reduce barriers and enhance accessibility.

IV. BILL IMPACT ANALYSIS

The Office of the Attorney General, Residential Utilities Division (OAG) and the Citizens Utility Board of Minnesota (CUB) presented a joint set of comments focused on including a bill impact analysis in the annual reporting metrics and requesting more detailed information on the functionality of the Company's proposed Rate Comparison Tool. The Company understands the desire for transparency and customer protection, particularly around potential bill impacts, and addresses both requests below.

A. Rate Comparison Tool

With respect to the Rate Comparison Tool, the Company has been working to develop a tool that best supports customer education and decision-making around the TOU rate. As described in our 90-day compliance filing, this Tool will allow an individual customer to use their own historical usage data to simulate how their bill would differ under the TOU rate compared to their current rate.

The Rate Comparison Tool will be integrated into the Company's My Account digital platform, which already includes features such as daily usage graphs and bill factor

[6] *Comments*, Center for Energy and Environment, Docket No. E002/M-23-524 (October 7, 2025).

analysis. These existing tools provide customers with granular insights into their energy consumption patterns, helping them understand when and how they use electricity. Embedding the Rate Comparison Tool in this context is intended to enhance its effectiveness by connecting usage behavior with cost implications.

Within the My Account platform, the customer will be able to see the rate comparison in a clear and accessible format. Used during the enrollment process, the Tool will help a customer make an informed choice based on their unique usage data. As currently envisioned, a residential customer exploring the TOU rate will begin their journey within the My Account platform. Upon logging in, they will be presented with an opportunity to explore what TOU rates are and how they could benefit from a TOU rate, raising awareness within the Minnesota customer base of this rate structure. If they are curious to learn more, they can proceed to a personalized simulation, using the customer's historical energy usage data to compare their current rate with the TOU rate. This initial view would offer a static side-by-side comparison, showing estimated monthly bills under each rate structure based on past consumption.

Following development of the static comparison, we are exploring a dynamic modeling feature. This interactive component would allow customers to adjust their usage assumptions—such as shifting appliance use or cooling loads outside of the on-peak period—and immediately see how those changes might affect their bill under the TOU rate. Potential design elements could include sliders, toggles, or scenario presets (e.g., "shift laundry to off-peak," "reduce peak cooling") to make the experience intuitive and educational. This feature is intended to help the customer understand the potential benefits of embracing the TOU structure, including the increased control they have over their energy costs when they apply informed consumption choices.

It is important to note that the exact features, design elements, and sequence of interactions are subject to change as development progresses. The Company is committed to an agile, iterative development process, meaning that customer feedback and usability testing will play a central role in shaping the final tool and may differ from the user flow as outlined here. This approach ensures that the Rate Comparison Tool remains responsive to customer needs and delivers meaningful, user-centered functionality.

In addition to the Rate Comparison Tool, the Company will also be adding new tools for customers with smart meters. These features will allow a customer to see a forecast of their future energy usage and cost before they occur, allowing them to adjust behavior or set expectations of costs in advance of receiving their bill.

B. Bill Impact Analysis

With respect to the requested reporting on bill impact analysis, the Company understands from discussions with the parties that what they are seeking ultimately requires the same functionality as the shadow billing analysis discussed in detail during the Commission's consideration of the Company's TOU rate proposal. Specifically, the OAG and CUB would like the Company to report an analysis of the annual net customer bill impacts for customers electing the Residential TOU rate. As discussed during that proceeding, the Company does not have internal functionalities to conduct an annual bill impact analysis because our billing system is unable to generate multiple bills for a single customer, which is a necessary capability for conducting a detailed bill impact analysis. Recognizing the Company's current limitations, Order Point 10 from the Commission's May 15, 2025 Order requires the Company to "identify the feasibility and cost of implementing a shadow billing program" in its first annual report. The Company will provide this feasibility and cost analysis. Requiring the bill impact analysis now requested as a reporting requirement circumvents the Commission's previous consideration of and decision on this point.

Recognizing the Company's limitations, the OAG and CUB request information related to the cost of hiring a third party to conduct the bill impact analysis. The Company does not recommend using a third-party tool to perform this work. During the residential TOU rate pilot, the Company relied on a third party to assess bill impacts. Unlike the pilot phase, which operated under controlled conditions with a defined participant group, the full TOU rate is open to all residential customers on an opt-in basis. This introduces a self-selecting and highly variable participant population, making it infeasible to conduct robust bill impact analysis with the same level of precision or consistency as was possible with the pilot. Recreating rate calculation, including taxes, fees and riders, in this context and in an external system would be highly complex and susceptible to inaccuracies, particularly given the frequency with which these components change. Even without these technical challenges, we estimate engaging a third-party to conduct a bill impact analysis could cost at least $1.25 million, not including the internal work to build and manage the secure data transfer feed. Our Rate Comparison Tool offers a more scalable, customer-centric, and actionable solution than retrospective analysis of a voluntary and highly variable participant base.

Further, as we discussed during the stakeholder sessions, the Company believes that other reporting metrics that we will provide through our annual reporting process for the rate can offer a general indication of customer bill outcomes without the

significant resource and time investment required for full bill analysis metrics. These additional reporting requirements include things such as peak impact, load shifting, and consumption data.

In summary, we believe that the combination of a voluntary enrollment model and a customer-facing Rate Comparison Tool offers a more practical and impactful path forward than a bill impact analysis. We will continue to provide the requested information and assess the feasibility of the required functionalities for shadow billing/bill impact as our systems evolve.

V. ADDITIONAL TARIFF MODIFICATIONS

The Company is proposing tariff modifications in addition to the tariff modifications discussed in our August 14, 2025 Compliance Filing. The additional tariff modifications are all related to our net metering tariffs and are intended to clean up small modifications that were missed when preparing the first set of tariff modifications. These modifications include missing rate codes for the new TOU compensation rate codes, in sheet headers, availability sections, and other relevant locations of the tariffs. We believe all these additional tariff modifications are immaterial and are not intended to affect how any tariffed rate is operated.

The tariff pages affected by these additional tariff modifications are as follows:

- Section No. 9, Sheet No. 2
- Section No. 9, Sheet No. 3.1
- Section No. 9, Sheet No. 4.1
- Section No. 9, Sheet No. 4.3
- Section No. 9, Sheet No. 8.1
- Section No. 9, Sheet No. 8.2
- Section No. 9, Sheet No. 12.1
- Section No. 9, Sheet No. 12.2
- Section No. 9, Sheet No. 49.16

These proposed additional tariff modifications are included in Attachment D to these Reply Comments. To aid in review and avoid confusion about the tariff modifications proposed by the Company in this docket, Attachment D also includes all the proposed tariff modifications included with our August 14, 2025 Compliance Filing.[7]

[7] Please note Section No. 9, Sheet No. 2 was also included in our initial modification request in the Compliance Filing. The proposed modification in these Reply Comments, adding Rate Code A60 to the availability section, is on top of the edits proposed previously.

CONCLUSION

We appreciate the opportunity to provide this Reply responding to the October 7, 2025 Comments from parties addressing our implementation plan for the Commission-approved Residential TOU rate.

Dated: October 17, 2025

Northern States Power Company

Attachments A and B are provided as Excel spreadsheets.

Attachment A is considered Trade Secret in Entirety

Attachment B is considered Highly Confidential Trade Secret in Entirety.

Attachments A and B are marked "NOT PUBLIC" in their entirety as they include confidential information. Attachment A is the Cost Duration Model that is a NOT-PUBLIC Company work product. Xcel Energy maintains this model as a trade secret pursuant to Minn. Stat. §13.37, subd. 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. Attachment B is the Company's revenue model that is also a NOT-PUBLIC Company work product. Xcel Energy maintains this model as a trade secret pursuant to Minn. Stat. §13.37, subd. 1(b) based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. Parts of the revenue model also contain not-public data on individual customers, which is protected under the Minnesota Data Practices Act. Specific customer data (including the name, address or related usage) in the model 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.

Attachments A and B are marked as "NOT-PUBLIC" in entirety. Xcel Energy maintains this information as a trade secret pursuant to Minn. Rule 7829.0500, subp 3.

1. **Nature of the Material:** Attachment A is the Company's Cost Duration model that was developed specifically for this topic and proceeding and is is a NOT-PUBLIC Company work product. Attachment B is an Excel workbook revenue model that supported the rate design schedules in the Company's November 14, 2023 filing in DOCKET NO. E002/M-21-630 to support final rates approved in the docket. For this docket, an additional tab was created and

used to calculate the final TOU rate design that maintains revenue neutrality with 2024 Plan Year rates approved.

2. **Authors:** Xcel Energy Pricing personnel
3. **Importance:** Attachments A and B represent Company work product that has economic value (actual or potential) to the Company as a result of not being generally known to, and not being readily ascertainable by proper means, by other persons, and that Xcel Energy maintains as a trade secret. The revenue model also includes not-public data that can identify individual customers, and thus Xcel Energy protects it from public disclosure.
4. **Date the Information was Prepared:** March and August 2025.

Additionally, Attachment B has been more restrictively designated as "Highly Confidential Trade Secret" in its entirety as this information includes certain competitively sensitive Trade Secret Information. Given the sensitive nature of the Highly Confidential Trade Secret Information, the Company requests that this information should not be disclosed in this docket to any party other than government agencies. If necessary, the Company will file a motion for a Protective Order in this docket at the appropriate time after the close of the comment period.

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Minnesota Public Utilities Commission

DOCKET NO. E999/PR-25-09	**Reporting Year:**	2025
Cogeneration and Small Power Production Tariff	**Utility:**	Xcel Energy

Minn. Rules 7835.0500 Schedule A: Estimated Energy Costs

Schedule A must contain the estimated system average incremental energy costs by seasonal peak and off-peak periods for each of the next five years. For each seasonal period, system incremental energy costs must be averaged during system daily peak hours, system daily off-peak hours, and all hours in the season. The energy costs must be increased by a factor equal to 50 percent of the line losses shown in schedule B. Schedule A must describe in detail the method used to determine the on-peak and off-peak hours and seasonal periods and must show the resulting on-peak and off-peak and seasonal hours selected.

Please include all computation descriptions in Schedule G

2-Period Time of Day Estimated Marginal Energy Costs ($/MWh)

		2025	2026	2027	2028	2029
			[PROTECTED DATA BEGINS			
Summer	On Peak	42.93				
	Off Peak	26.19				
	All Hours	32.00				
Winter	On Peak	38.10				
	Off Peak	27.73				
	All Hours	31.34				
Annual	On Peak	39.71				
	Off Peak	27.21				
	All Hours	31.56				
					PROTECTED DATA ENDS]	
Annual # hours on-peak:		3,045				

3-period Time of Use Estimated Marginal Energy Costs ($/MWh)

			2025	2026	2027	2028	2029
New				[PROTECTED DATA BEGINS			
New	**Summer**	On Peak	43.14				
New		Mid Peak	35.32				
New		Off Peak	19.73				
New		All Hours	32.00				
New	Winter	On Peak	40.48				
New		Mid Peak	33.72				
New		Off Peak	22.20				
New		All Hours	31.34				
New	Annual	On Peak	41.37				
New		Mid Peak	34.26				
New		Off Peak	21.37				
New		All Hours	31.56				
New						PROTECTED DATA ENDS]	
New	Annual # hours on-peak:		762				

Description of season and on-peak and off-peak periods

	Summer:	June - September
	Winter:	October - May
	2-Period TOD On-peak period:	The on-peak period contains all hours between 9:00 a.m. and 9:00 p.m., Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday.
	2-Period TOD Off-peak period:	The off-peak period contains all other hours not included in the on-peak period. Definition of on-peak and off-peak periods are subject to change with change in Company's system operating characteristics.
New New New	3-Period TOU On-peak period:	The On-Peak period is defined as those hours between 6:00 p.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday.
New New	3-Period TOU Mid-peak period:	The Mid-Peak period is defined as all hours not defined as On-Peak or Off-Peak periods.
New New	3-Period TOU Off-peak period:	The Off Peak period is defined as those hours between midnight (12:00 a.m.) and 6:00 a.m. every day.

Minnesota Public Utilities Commission

DOCKET NO. E999/PR-25-09 **Reporting Year:** 2025

Cogeneration and Small Power Production Tariff **Utility:** Xcel Energy

Minn. Rules 7835.0650 Schedule C: Calculation, Average Retail Energy Rate

7835.0100 DEFINITIONS. Subp. 2a. Average retail utility energy rate. "Average retail utility energy rate" means, for any class of utility customer, the quotient of the total annual class revenue from sales of electricity minus the annual revenue resulting from fixed charges, divided by the annual class kilowatt-hour sales. Data from the most recent 12-month period available before each filing required by parts 7835.0300 to 7835.1200 must be used in the computation.

TOTAL

Rate Class	Total Class Revenue	Fixed Charges	kWh Sales	Average Retail Energy Rate
Annual (January - December)				
Residential	$1,470,788,422	$95,315,774	8,506,206,205	$0.1617
Small General (Non-Demand)	$108,984,309	$6,407,911	688,905,362	$0.1489
Non-Demand Metered	$1,579,772,731	$101,723,685	9,195,111,567	$0.1607
General (Sec Volt - Demand)	$635,679,154	$13,698,636	7,078,570,141	$0.0879
Summer (June - September)				
Residential	$598,344,243	$29,253,356	3,250,098,934	$0.1751
Small General (Non-Demand)	$39,317,851	$1,866,927	234,187,767	$0.1599
Non-Demand Metered	$637,662,095	$31,120,283	3,484,286,701	$0.1741
General (Sec Volt - Demand)	$221,291,730	$4,572,509	2,437,281,412	$0.0889
Winter (October - May)				
Residential	$872,444,179	$66,062,418	5,256,107,271	$0.1534
Small General (Non-Demand)	$69,666,458	$4,540,984	454,717,595	$0.1432
Non-Demand Metered	$942,110,637	$70,603,402	5,710,824,866	$0.1526
General (Sec Volt - Demand)	$414,387,425	$9,126,127	4,641,288,729	$0.0873

New **3-PERIOD TIME OF USE - RESIDENTIAL**

New **ON-PEAK**

New	Rate Class	Total Class Revenue	Fixed Charges	kWh Sales	Average Retail Energy Rate
New					
New	**Annual (January - December)**				
New	Residential	$3,110,585	$123,595	10,123,930	$0.2950
New					
New	**Summer (June - September)**				
New	Residential	$1,341,794	$39,153	4,124,633	$0.3158
New					
New	**Winter (October - May)**				
New	Residential	$1,766,478	$83,508	5,999,297	$0.2805
New					

New

New **MID-PEAK**

New	Rate Class	Total Class Revenue	Fixed Charges	kWh Sales	Average Retail Energy Rate
New					
New	**Annual (January - December)**				
New	Residential	$5,741,439	$447,560	36,660,528	$0.1444
New					
New	**Summer (June - September)**				
New	Residential	$2,284,029	$134,139	14,131,136	$0.1521
New					
New	**Winter (October - May)**				
New	Residential	$3,457,857	$313,602	22,529,391	$0.1396
New					

New

New **OFF-PEAK**

New	Rate Class	Total Class Revenue	Fixed Charges	kWh Sales	Average Retail Energy Rate
New					
New	**Annual (January - December)**				
New	Residential	$1,083,763	$142,153	11,644,019	$0.0809
New					
New	**Summer (June - September)**				
New	Residential	$383,370	$41,112	4,331,028	$0.0790
New					
New	**Winter (October - May)**				
New	Residential	$702,260	$101,795	7,312,991	$0.0821
New					

PUBLIC DOCUMENT - NOT PUBLIC DATA HAS BEEN EXCISED

Minnesota Public Utilities Commission

DOCKET NO. E999/PR-25-09 — **Reporting Year:** 2025

Cogeneration and Small Power Production Tariff — **Utility:** Xcel Energy

Minn. Rules 7835.1000 Schedule G: Computations and Descriptions

Schedule G must contain and describe all computations made by the utility in determining Schedules A and B. Please use the space below to show your calculations. Refer to Minn. Rules 7835.0500-7835.0600 for detailed computation descriptions, especially for Schedule B Subp. 5 and 6.

2-Period Time of Day

NUMBER OF PEAK HOURS

The on-peak period contains all hours between 9:00 a.m. and 9:00 p.m., Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday.

The off-peak period contains all other hours not included in the on-peak period. Definitions of on-peak and off-peak periods are subject to change with change in Company's system operating characteristics.

	On-Peak	Off-Peak
Winter	2,023	3,809
Summer	1,022	1,906
Total	3,045	5,715
On-Peak Days/Week	5 Days	
On-Peak Hour Block	12 Hours	

	Day in Month	On-Peak Hours	Off-Peak Hours
June	30	257	463
July	31	266	478
4th of July		-12	12
August	31	266	478
September	30	257	463
Labor Day		-12	12
October	31	266	478
November	30	257	463
Thanksgiving		-12	12
December	31	266	478
Christmas		-12	12
January	31	266	478
New Year's Day		-12	12
February	28	240	432
March	31	266	478
Good Friday		-12	12
April	30	257	463
May	31	266	478
Memorial Day		-12	12
		3,045	5,715

MARGINAL ENERGY COST CALCULATION — Marginal Energy Costs / 50% Overall Loss Factor = Adjusted Marginal Energy Costs

Marginal Energy Costs ($/MWh)		2025	2026	2027	2028	2029
			[PROTECTED DATA BEGINS			
Summer	On-Peak	41.28				
	Off-Peak	25.36				
	All Hours	30.91				
Winter	On-Peak	36.63				
	Off-Peak	26.80				
	All Hours	30.24				
Annual	On-Peak	38.18				
	Off-Peak	26.32				
	All Hours	30.46				
						PROTECTED DATA ENDS]

Loss Factors	Summer On-Peak	Summer Off-Peak	Average Summer	Winter On-Peak	Winter Off-Peak	Average Winter	Annual On-Peak	Annual Off-Peak	Average Annual
Overall	0.9232	0.9364	0.9318	0.9225	0.9334	0.9296	0.9227	0.9344	0.9303
50% of Overall	0.9616	0.9682	0.9659	0.9612	0.9667	0.9648	0.9614	0.9672	0.9652

Adj. Marginal Energy Costs ($/MWh		2025	2026	2027	2028	2029
			[PROTECTED DATA BEGINS			
Summer	On-Peak	42.93				
	Off-Peak	26.19				
	All Hours	32.00				
Winter	On-Peak	38.10				
	Off-Peak	27.73				
	All Hours	31.34				
Annual	On-Peak	39.71				
	Off-Peak	27.27				
	All Hours	31.56				
						PROTECTED DATA ENDS]

New **3-Period Time of Use**

New NUMBER OF PEAK HOURS

New The On-Peak period is defined as those hours between 3:00 p.m. and 8:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday.

New

New The Mid-Peak period is defined as all hours not defined as On-Peak or Off-Peak periods.

New

New The Off Peak period is defined as those hours between midnight (12:00 a.m.) and 6:00 a.m. every day.

New

New

	On-Peak	Mid-Peak	Off-Peak
Winter	507	3,867	1,458
Summer	255	1,941	732
Total	762	5,808	2,190

New

On-Peak Days/Week	5	Days
On-Peak Hour Block	3	Hours

	Day in Month	On-Peak Hours	Mid-Peak Hours	Off-Peak Hours
June	30	63	477	180
July	31	69	489	186
4th of July		-3	3	0
August	31	63	495	186
September	30	66	474	180
Labor Day		-3	3	0
October	31	69	489	186
November	30	60	480	180
Thanksgiving		-3	3	0
December	31	69	489	186
Christmas		-3	3	0
January	31	69	489	186
New Year's Day		-3	3	0
February	28	60	444	168
March	31	63	495	186
April	30	66	474	180
Good Friday		-3	3	0
May	31	66	492	186
Memorial Day		-3	3	0
		762	5,808	2,190

New

New MARGINAL ENERGY COST CALCULATION Marginal Energy Costs / 50% Overall Loss Factor = Adjusted Marginal Energy Costs

New

Marginal Energy Costs ($/MWh)		2025	2026	2027	2028	2029
			[PROTECTED DATA BEGINS			
Summer	On-Peak	41.49				
	Mid-Peak	33.97				
	Off-Peak	19.10				
	All Hours	30.91				
Winter	On-Peak	38.91				
	Mid-Peak	32.41				
	Off-Peak	21.46				
	All Hours	30.24				
Annual	On-Peak	39.77				
	Mid-Peak	32.93				
	Off-Peak	20.67				
	All Hours	30.46				
						PROTECTED DATA ENDS]

New

Loss Factors	Summer On-Peak	Summer Mid-Peak	Summer Off-Peak	Average Summer	Winter On-Peak	Winter Mid-Peak	Winter Off-Peak	Average Winter	Annual On-Peak	Annual Mid-Peak	Annual Off-Peak	Average Annual
Overall	0.9232	0.9232	0.9364	0.9318	0.9225	0.9225	0.9334	0.9296	0.9227	0.9227	0.9344	0.9303
50% of Overall	0.9616	0.9616	0.9682	0.9659	0.9612	0.9612	0.9667	0.9648	0.9614	0.9614	0.9672	0.9652

New

New

Adj. Marginal Energy Costs ($/MWh		2025	2026	2027	2028	2029
			[PROTECTED DATA BEGINS			
Summer	On-Peak	43.14				
	Mid-Peak	35.32				
	Off-Peak	19.73				
	All Hours	32.00				
Winter	On-Peak	40.48				
	Mid-Peak	33.72				
	Off-Peak	22.20				
	All Hours	31.34				
Annual	On-Peak	41.37				
	Mid-Peak	34.26				
	Off-Peak	21.37				
	All Hours	31.56				
						PROTECTED DATA ENDS]

CAPACITY COST CALCULATION

[PROTECTED DATA BEGINS (shaded areas)

(a)	(1) Completed Cost of C.T. Unit (2025 $)		/kW
(b)	(2) Inflation Net of Technical Progress	2.00%	
(c)	(3) Average Service Life	40	Years
(d)	(4) MN Discount Rate (After Tax)		
	Calculation of Marginal Capital Carry Charge Rate		
(e)	(5) Present Value of Revenue Requirements (2025)		/kW
	(6) Annuity Factor Adjustment for Inflation **	0.05343	
	(7) Present Value of Revenue Requirements		
	Adjusted for Inflation (5)*(6)		
	(8) Marginal Capital Carrying Charge Rate		
	(7)/(1)		
	(9) First Year Revenue Requirement (1)*(8)		/kW (2025$)
(f)	(10) Present Value at % for 0 years		/kW
(g)	(11) Present Value of Average Annual Fuel Savings		/kW
	(12) Annual Avoided Capacity Cost		/kW
	(10)-(11)		
(h)	(13) Adjusted for 15% Reserve Margin		/kW
(i)	(12)*1.15		
	(14) Plus Fixed O & M $/kW (2025 $)		/kW
(j)	(13)+O&M		
(k)	(15) Adjusted for losses (14)*(1+(1-0.9652))		/kW
	(16) NET ANNUAL AVOIDED CAPACITY COST	$77.01	/kW

2-Period Time of Day

	(17) Net Winter On-Peak Avoided Capacity Cost (TOD PURCHASE)		
	(16)*20.07%/2023	0.00764	$/kWh
	(18) Net Summer On-Peak Avoided Capacity Cost (TOD PURCHASE)		
	(16)*79.93%/1022	0.06024	$/kWh
	(19) Net Annual On-Peak Avoided Capacity Cost		
	(16)/3045	0.02529	$/kWh

Non-Time of Day/Use

	(20) Net Winter Avoided Capacity Cost		
	Averaged Over All Winter Hours (PURCHASE & SALE BILLING)	0.00265	$/kWh
	(16)*20.07%/5832		
	(21) Net Summer Avoided Capacity Cost		
	Averaged Over All Summer Hours (PURCHASE & SALE BILLING)	0.02102	$/kWh
	(16)*79.93%/2928		
	(22) Net Annual Avoided Capacity Cost		
	Average Over All Hours	0.00879	$/kWh
	(16)/8760		

New **3-Period Time of Use**

New	(23) Net Winter On-Peak Avoided Capacity Cost (TOU PURCHASE)		
New	(16)*20.07%/507	0.03049	$/kWh
New	(24) Net Summer On-Peak Avoided Capacity Cost (TOU PURCHASE)		
New	(16)*79.93%/255	0.24136	$/kWh
New	(25) Net Annual On-Peak Avoided Capacity Cost		
New	(16)/762	0.10106	$/kWh

Note: The seasonal demand weighting factors 79.9% and 20.1% are obtained from NSP's most recent Cost of Service Study. These rations represent relative summer and winter season capacity costs on NSP's System.

** AC = k*(r-j)*(1+j)^(t-1)*[1/(1-(1+j)^n/(1+r)^n)]
Where AC = Annual Charge in year t
t = Year (=1)
K = Total Present Value Cost of Original Investment
r = Discount Rate (Overall Marginal Cost of Capital) (%)
j = Inflation Rate Net of Technology Progress (2.00%)
n = Expected Service Life of Investment (40 Years)

(l)	Summer Percent:	79.93%
(m)	Winter Percent:	20.07%
	Total:	100.00%
(n)	O & M	

PROTECTED DATA ENDS]

Schedule G: Summary of 2025 Proposed Rates

	Tariff Sheet	Tariff Name	Rate Code	Description of Rate	Months	Current Rate	Proposed Rate	Filing Schedule	Filing Schedule Data Item
	9-2	Excess Generation-Average Retail Utility Energy Service	A50	Pmt for Excess Energy with Retail Non-Demand Metered Service	Oct-May	0.14281	0.15261	C	Avg Retail Energy Rate
					Jun-Sep	0.15874	0.17408		
				Pmt for Excess Energy with Retail Demand Metered Service	Oct-May	0.09526	0.08732		
					Jun-Sep	0.10233	0.08892		
New	9-2	Excess Generation-Average Retail Utility Energy Service	A60	TOU On-Peak Pmt for Excess Energy with Residential Metered Service	Oct-May	0.00000	0.28053	C	Avg Retail Energy Rate
New					Jun-Sep	0.00000	0.31582		
New	9-2	Excess Generation-Average Retail Utility Energy Service	A60	TOU Mid-Peak Pmt for Excess Energy with Residential Metered Service	Oct-May	0.00000	0.13956	C	Avg Retail Energy Rate
New					Jun-Sep	0.00000	0.15214		
New	9-2	Excess Generation-Average Retail Utility Energy Service	A60	TOU Off-Peak Pmt for Excess Energy with Residential Metered Service	Oct-May	0.00000	0.08211	C	Avg Retail Energy Rate
New					Jun-Sep	0.00000	0.07902		
	9-3	Sale to Company After Customer Self-Use	A51	Energy Payment per kWh	Oct-May	0.03205	0.03134	A	2024 Seasonal Estimated Marginal Energy Cost
	9-4	Monthly Net Metering	A53						
	9-3	Sale to Company After Customer Self-Use	A51		Jun-Sep	0.03408	0.03200		
	9-4	Monthly Net Metering	A53						
	9-4.2	Annual Net Metering (kWh Banking Option)	A55		Annual	0.03280	0.03159	G	Banking Cashout Rate Work Papers - Line [3]
	9-3	Sale to Company After Customer Self-Use	A52	TOD On-Peak Energy Payment per kWh	Oct-May	0.03791	0.03810	A	2024 Seasonal Estimated Marginal Energy Cost
	9-4	Monthly Net Metering	A54						
	9-3	Sale to Company After Customer Self-Use	A52		Jun-Sep	0.04656	0.04293		
	9-4	Monthly Net Metering	A54						
	9-4.2	Annual Net Metering (kWh Banking Option)	A56		Annual	0.04109	0.03988	G	Banking Cashout Rate Work Papers - Line [6]
	9-3	Sale to Company After Customer Self-Use	A52	TOD Off-Peak Energy Payment per kWh	Oct-May	0.02888	0.02773	A	2024 Seasonal Estimated Marginal Energy Cost
	9-4	Monthly Net Metering	A54						
	9-3	Sale to Company After Customer Self-Use	A52		Jun-Sep	0.02757	0.02619		
	9-4	Monthly Net Metering	A54						
	9-4.2	Annual Net Metering (kWh Banking Option)	A56		Annual	0.02840	0.02717	G	Banking Cashout Rate Work Papers - Line [9]
New	9-3	Sale to Company After Customer Self-Use	A57	TOU On-Peak Energy Payment per kWh	Oct-May	0.00000	0.04048	A	2024 Seasonal Estimated Marginal Energy Cost
New	9-4	Monthly Net Metering	A58						
New	9-3	Sale to Company After Customer Self-Use	A57		Jun-Sep	0.00000	0.04314		
New	9-4	Monthly Net Metering	A58						
New	9-4.2	Annual Net Metering (kWh Banking Option)	A59		Annual	0.00000	0.04146	G	Banking Cashout Rate Work Papers - Line [12]
New	9-3	Sale to Company After Customer Self-Use	A57	TOU Mid-Peak Energy Payment per kWh	Oct-May	0.00000	0.03372	A	2024 Seasonal Estimated Marginal Energy Cost
New	9-4	Monthly Net Metering	A58						
New	9-3	Sale to Company After Customer Self-Use	A57		Jun-Sep	0.00000	0.03532		
New	9-4	Monthly Net Metering	A58						
New	9-4.2	Annual Net Metering (kWh Banking Option)	A59		Annual	0.00000	0.03431	G	Banking Cashout Rate Work Papers - Line [15]
New	9-3	Sale to Company After Customer Self-Use	A57	TOU Off-Peak Energy Payment per kWh	Oct-May	0.00000	0.02220	A	2024 Seasonal Estimated Marginal Energy Cost
New	9-4	Monthly Net Metering	A58						
New	9-3	Sale to Company After Customer Self-Use	A57		Jun-Sep	0.00000	0.01973		
New	9-4	Monthly Net Metering	A58						
New	9-4.2	Annual Net Metering (kWh Banking Option)	A59		Annual	0.00000	0.02129	G	Banking Cashout Rate Work Papers - Line [18]
	9-3	Sale to Company After Customer Self-Use	A51	Capacity Payment for Firm Power per kWh	Oct-May	0.00178	0.00265	G	Net Winter Avoided Capacity Cost - Line (20)
	9-4	Monthly Net Metering	A53						
	9-4.2	Annual Net Metering (kWh Banking Option)	A55						
	9-3	Sale to Company After Customer Self-Use	A51		Jun-Sep	0.01299	0.02102	G	Net Summer Avoided Capacity Cost - Line (21)
	9-4	Monthly Net Metering	A53						
	9-4.2	Annual Net Metering (kWh Banking Option)	A55						
	9-3	Sale to Company After Customer Self-Use	A52	Capacity Payment for Firm Power per TOD On-Peak kWh	Oct-May	0.00514	0.00764	G	Net Winter On-Peak Avoided Capacity Cost - Line (17)
	9-4	Monthly Net Metering	A54						
	9-4.2	Annual Net Metering (kWh Banking Option)	A56						
	9-3	Sale to Company After Customer Self-Use	A52		Jun-Sep	0.03722	0.06024	G	Net Summer On-Peak Avoided Capacity Cost - Line (18)
	9-4	Monthly Net Metering	A54						
	9-4.2	Annual Net Metering (kWh Banking Option)	A56						
New	9-3	Sale to Company After Customer Self-Use	A57	Capacity Payment for Firm Power per TOU On-Peak kWh	Oct-May	0.00000	0.03049	G	Net Winter On-Peak Avoided Capacity Cost - Line (23)
New	9-4	Monthly Net Metering	A58						
New	9-4.2	Annual Net Metering (kWh Banking Option)	A59						
New	9-3	Sale to Company After Customer Self-Use	A57		Jun-Sep	0.00000	0.24136	G	Net Summer On-Peak Avoided Capacity Cost - Line (24)
New	9-4	Monthly Net Metering	A58						
New	9-4.2	Annual Net Metering (kWh Banking Option)	A59						

Monthly and Annual kWh Banking Cashout Rate Work Papers

For Net Metering Facilities

Step 1: Calculate Seasonal Sales Weighting

	2025 Forecast	Percent of Annual
Winter	17,874,115	63.1%
Summer	10,435,846	36.9%
Annual	28,309,961	

Step 2: Calculate Annual Rate by applying seasonal sales weighting to seasonal rate and adding resulting figures

a) Net Metering Facilities Monthly(A53) and Annual(A55) Banking kWh cashout rate for Non-Time of Day/Use billed customers

		Proposed Rate Code A51		Proposed Rate Code A53 Monthly kWh Cashout Rate		Seasonal Energy Usage		Proposed Rate Code A55 Annual NMF Cashout	
[1]	Oct-May	$0.03134	=	$0.03134	x	63.10%	=	$0.01978	
[2]	Jun-Sep	$0.03200	=	$0.03200	x	36.90%	=	$0.01181	
[3]								$0.03159	(A55)

b) Net Metering Facilities Monthly(A54) and Annual(A56) Banking kWh cashout rates for 2-period Time of Day billed customers

		Proposed Rate Code A52 On-Peak		Proposed Rate Code A54 Monthly On-Peak kWh Cashout Rate		MN State Seasonal Energy Usage		Proposed Rate Code A56 Annual On-Peak kWh Cashout Rate	
[4]	Oct-May	$0.03810	=	$0.03810	x	63.10%	=	$0.02404	
[5]	Jun-Sep	$0.04293	=	$0.04293	x	36.90%	=	$0.01584	
[6]								$0.03988	(A56 On-Peak)

		Proposed Rate Code A52 Off-Peak		Proposed Rate Code A54 Monthly Off-Peak kWh Cashout Rate		MN State Seasonal Energy Usage		Proposed Rate Code A56 Annual Off-Peak kWh Cashout Rate	
[7]	Oct-May	$0.02773	=	$0.02773	x	63.10%	=	$0.01750	
[8]	Jun-Sep	$0.02619	=	$0.02619	x	36.90%	=	$0.00967	
[9]								$0.02717	(A56 Off-Peak)

New c) Net Metering Facilities Monthly(A58) and Annual(A59) Banking kWh cashout rates for 3-period Time of Use billed customers

			Proposed Rate Code A57 On-Peak		Proposed Rate Code A58 Monthly On-Peak kWh Cashout Rate		MN State Seasonal Energy Usage		Proposed Rate Code A59 Annual On-Peak kWh Cashout Rate	
New	[10]	Oct-May	$0.04048	=	$0.04048	x	63.10%	=	$0.02554	
New	[11]	Jun-Sep	$0.04314	=	$0.04314	x	36.90%	=	$0.01592	
New	[12]								$0.04146	(A59 On-Peak)

			Proposed Rate Code A57 Mid-Peak		Proposed Rate Code A58 Monthly Mid-Peak kWh Cashout Rate		MN State Seasonal Energy Usage		Proposed Rate Code A59 Annual Off-Peak kWh Cashout Rate	
New	[13]	Oct-May	$0.03372	=	$0.03372	x	63.10%	=	$0.02128	
New	[14]	Jun-Sep	$0.03532	=	$0.03532	x	36.90%	=	$0.01303	
New	[15]								$0.03431	(A59 Mid-Peak)

			Proposed Rate Code A57 Off-Peak		Proposed Rate Code A58 Monthly Off-Peak kWh Cashout Rate		MN State Seasonal Energy Usage		Proposed Rate Code A59 Annual Off-Peak kWh Cashout Rate	
New	[16]	Oct-May	$0.02220	=	$0.02220	x	63.10%	=	$0.01401	
New	[17]	Jun-Sep	$0.01973	=	$0.01973	x	36.90%	=	$0.00728	
New	[18]								$0.02129	(A59 Off-Peak)

2025 Minnesota jurisdiction retail MWh sales based on the Company's July 2024 Sales Forecast.

January	2025	2,467,661
February	2025	2,135,599
March	2025	2,336,634
April	2025	1,954,966
May	2025	2,181,688
June	2025	2,476,784
July	2025	2,894,834
August	2025	2,766,304
September	2025	2,297,923
October	2025	2,222,793
November	2025	2,157,327
December	2025	2,417,447
Winter		17,874,115
Summer		10,435,846
Annual		28,309,961

Redline

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Section No. 1
~~13th~~14th Revised Sheet No. 1

(Continued on Sheet No. 1-2)

(Continued on Sheet No. TOC-2)

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

Section No. 5
~~4th~~5th 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.~~ D D

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

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.~~ D D D

RATE

	Standard	Electric Space Heating	
Customer Charge per Month			
Overhead (A72)	$6.00	$6.00	N
Underground (A74)	$6.00	$6.00	N
			N
Energy Charge per kWh			
June – September			
On-Peak Period	$~~0.27845~~0.21329	$0.21329	RN
Mid-Peak Period	$~~0.11307~~0.13468	$0.13468	RN
Off-Peak Period	$~~0.03825~~0.07479	$0.07479	RN
Other Months			
On-Peak Period	$~~0.24869~~0.17314	$0.06537	RN
Mid-Peak Period	$~~0.09907~~0.11485	$0.06537	RN
Off-Peak Period	$~~0.03825~~0.07479	$0.06537	RN

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

INTERIM RATE ADJUSTMENT
A 7.14% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2025.

FUEL CLAUSE
Bills are subject to the adjustments provided for in the Fuel Clause Rider. ~~N~~ ~~N~~ ~~N~~

SALES TRUE-UP RIDER
Bills are subject to the adjustments provided for in the Sales True-Up Rider.

(Continued on Sheet No. 5-4.2)

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.

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

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.

LOW INCOME ENERGY DISCOUNT
Energy discount is available to qualified low income customers under this schedule subject to the provisions contained in the Low Income Energy Discount Rider.

~~**BILL PROTECTION**~~ D
~~Billing charges considered for bill protection will include customer and energy charges, fuel cost charges and if applicable, the Residential Controlled Air Conditioning and Water Heating Rider discounts. Bill protection will be considered only for customers that have been pilot participants at the same residential location for 12 months from the effective date of this rate schedule, based on the first 12 months of participation in the pilot program. Any Pilot program billing charge in excess of 10 percent of the corresponding billing charge that would have been applied had the customer not been a pilot participant will be credited to the customer's account, including any applicable taxes. The bill protection in this paragraph will terminate after the first 12 months of participation in the pilot program.~~

~~Customers that have received LIHEAP assistance within the 12 months prior to participation in the pilot program will have bill protection determined monthly for the first 12 months of pilot participation for any billing charges in excess of the corresponding billing charge that would have been applied had the customer not been a pilot participant. This will be determined on a monthly basis for the first 12 months of pilot participation. For the second 12 months of pilot participation, the bill protection will continue to be provided for these LIHEAP assistance customers for billing charges in excess of 10 percent of the corresponding billing charge on an annual basis for the second 12 months of pilot participation. Customers that start to receive LIHEAP assistance after their participation in the pilot has begun will receive monthly bill protection up to the first 12 month anniversary of the pilot, and shall receive annual bill protection for the second 12 month period of the pilot. Customers who opt out or leave the pilot area will forego the annual protection otherwise offered for this second 12 month period.~~ D

~~(Continued on Sheet No. 5-4.3)~~

RESIDENTIAL TIME OF USE ~~PILOT PROGRAM~~
SERVICE (Continued)
RATE CODE A72, A74

Section No. 5
~~1st~~2nd Revised Sheet No. 4.2

DEFINITION OF PEAK PERIODS

The On-Peak period is defined as the hours between 6:00 p.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Mid-Peak period is defined as the hours not defined as On-Peak or Off-Peak periods. The Off-Peak period is defined as those hours between Midnight (12:00 a.m.) and 6:00 a.m. every day.

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TERMS AND CONDITIONS OF SERVICE

1. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.
2. Any customer who opts-out of this rate cannot reenroll in the rate for a minimum of 12 months from the end of their last billing cycle on the rate.

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~~(Continued on Sheet No. 5-4.3)~~

RESIDENTIAL TIME OF USE ~~PILOT PROGRAM~~
SERVICE (Continued)
RATE CODE A72, A74

Section No. 5
~~Original~~1st Revised Sheet No. 4.3

~~**DEFINITION OF PEAK PERIODS**~~

~~The On-Peak period is defined as those hours between 3:00 p.m. and 8:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Mid-Peak period is defined as all hours not defined as On-Peak or Off-Peak periods. The Off-Peak period is defined as those hours between midnight (12:00 a.m.) and 6:00 a.m. every day.~~

~~**RESIDENTIAL CONTROLLED AIR CONDITIONING AND WATER HEATING RIDER**~~

~~Customers that received service with the Residential Controlled Air Conditioning and Water Heating Rider in combination with Residential Service prior to participation in the pilot will have a revised discount for Company controlled central air conditioning or electric water heating that is specific to the pilot program. The controlled air conditioning discount is a monthly $10 credit applied during the billing months of June through September. The controlled electric water heating discount is a monthly $2 credit during each billing month. Pilot customers will receive these revised credits in place of percent discounts and are subject to all other terms of the Residential Controlled Air Conditioning and Water Heating Rider.~~

~~**TERMS AND CONDITIONS OF SERVICE**~~

~~1. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.~~

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RULES FOR APPLICATION OF RESIDENTIAL RATES

Section No. 5
~~9th~~10th Revised Sheet No. 13

1. The Residential Service, Residential Time of Day Service and Residential Time of Use Service ~~Pilot Program~~ are the only rates available to residential customers for domestic purposes in a single private residence. Energy Controlled Service (Non-Demand Metered), Limited Off Peak Service, Voluntary Electric Vehicle Charger Service, Electric Vehicle Home Service, Residential Electric Vehicle Pilot Service, Residential Electric Vehicle Subscription Pilot Service and Automatic Protective Lighting Service rate schedules are also available to qualifying residential customers. T T C C

2. Normal service under the Residential Service, Residential Time of Day Service and Residential Time of Use Service~~Pilot Program~~ rate schedules is single phase service rendered through one meter. Three phase service or service through more than one meter will be provided upon a one-time payment of an amount to reimburse Company for the additional investment. If customer is served through more than one meter, each meter will be separately billed. T

3. Electric space heating charges are applicable only when customer's electric space heating equipment is used as customer's primary heating source. Customers with heat pumps are also eligible for the space heating rate. C C

4. Underground service charges will apply where the underground facilities are owned by Company, and Company has not been fully reimbursed for the added cost of such underground facilities.

5. Standby and Supplementary Service is available for any residential customer subject to the provisions in the General Rules and Regulations, Section 2.4. The Company's meter will be ratcheted to measure the flow of power and energy from Company to customer only.

6. A customer using electric service for domestic and non-domestic purposes jointly may combine such use through one meter on such rates as are available to general service customers.

7. The Residential Service, ~~and~~ Residential Time of Day Service, and Residential Time of Use Service rate schedules are available to farm installations which were served on the separate Farm Service rate schedule prior to its cancellation on November 1, 1988. Residential Service, ~~and~~ Residential Time of Day Service, and Residential Time of Use Service to these qualifying farm customers is limited to 120/240 volts single phase service rendered through one meter. Motors and other equipment which interfere with service to neighboring customers and all transformer type welding machines larger than 25 kilovolt-amperes are not permitted as part of this service. T T T

TECHNICAL AND SPECIAL TERMS FOR COGENERATION AND SMALL POWER PRODUCTION (Continued)

Section No. 9
~~1st~~2nd Revised Sheet No. 1.1

INTERCONNECTION COSTS. The reasonable costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Company that are directly related to installing and maintaining the physical facilities necessary to permit interconnected operations with a qualifying facility. Costs are considered interconnection costs only to the extent that they exceed the corresponding costs which the Company would have incurred if it had not engaged in interconnected operations, but instead generated from its own facilities or purchased from other sources an equivalent amount of electric energy or capacity. Costs are considered interconnection costs only to the extent that they exceed the costs the utility would incur in selling electricity to the qualifying facility as a nongenerating customer.

METERING CHARGE. The monthly metering charge recovers the cost and installation of the additional meter and the associated billing, operating, and maintenance expenses.

MN DIA. The Minnesota Distributed Energy Resource Interconnection Agreement. See Company Section 10 tariff. ~~N~~

MN DIP. The Minnesota Distributed Energy Resource Interconnection Process. See Company Section 10 tariff. The MN DIA shall be considered to be part of the MN DIP.

MN TECHNICAL REQUIREMENTS (OR MINNESOTA TECHNICAL REQUIREMENTS). These are as defined in the MN DIP, Attachment 1, Glossary of Terms, and also include all requirements in the Operating Agreement attached to the MN DIA. ~~N~~

NET INTERCONNECTION CHARGE. The net interconnection charge will be assessed on a non-refundable basis to recover the Company's reasonable costs of connection, switching, transmission, distribution, safety provisions, and administrative costs that are directly related to installing and maintaining the physical facilities necessary to permit interconnected operations with a QF or NMF in excess of the facilities and expenses recovered in the monthly metering charge.

NET METERED FACILITY (NMF). An electric generation facility constructed for the purpose of offsetting energy use through the use of renewable energy or high-efficiency distributed generation sources.

DEFINITION OF PEAK PERIODS – TIME OF DAY SERVICE. The On-Peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Off-Peak Period is defined as all other hours. N

DEFINITION OF PEAK PERIODS – TIME OF USE SERVICE. The On-Peak period is defined as the hours between 6:00 p.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Mid-Peak period is defined as the hours not defined as On-Peak or Off-Peak periods. The Off-Peak period is defined as those hours between Midnight (12:00 a.m.) and 6:00 a.m. every day. N

TECHNICAL AND SPECIAL TERMS FOR COGENERATION AND SMALL POWER PRODUCTION (Continued)

Section No. 9
~~1st~~2nd Revised Sheet No. 1.1

~~OFF PEAK PERIOD. The off peak period contains all other hours not included in the on peak period. Definition of on peak and off peak period is subject to change with change in Company's system operating characteristics.~~

~~ON PEAK PERIOD. The on peak period contains all hours between 9:00 a.m. and 9:00 p.m., Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday.~~

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QUALIFYING FACILITY (QF). A qualifying facility is a cogeneration or small power production facility which satisfies the conditions in 18 Code of Federal Regulations Part 292.

SMALL QUALIFYING FACILITY (SQF). A small qualifying facility is a qualifying facility with certified capacity of 100 kW AC or less.

EXCESS GENERATION-AVERAGE RETAIL UTILITY ENERGY SERVICE
RATE CODE A50, A60

Section No. 9
~~33rd~~34th Revised Sheet No. 2

AVAILABILITY

This service corresponds to Minn. R. 7835.4012 and Minn. R. 7835.4013 (Average Retail Energy Rate) and to Paragraph 3.a of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to any qualifying facility (QF) of less than 40 kW AC capacity who receives non-time of day retail electric service from Company and offsets energy delivered by Company. The A50 and A60 Rate Codes applies to the extent the energy delivered by the customer exceeds that supplied by the Company during the monthly billing period, and the rates below are for that net excess generation. T

RATE

Metering charges are as set forth in the Section 10 tariff

Where the customer receives non-Time of Use retail electric service, the following Rate Code applies. T

Payment per kWh for Energy Delivered to Company in Excess of Energy Used (A50)	Oct-May	Jun-Sep	
With Retail Non-Demand Metered Service	$0.15261	$0.17408	R
With Retail Demand Metered Service	$0.08732	$0.08892	R

Where the customer receives Residential time of use retail electric service, the following Rate Code applies. N

Payment per kWh for Energy Delivered to Company in Excess of Energy Used (A60)	Oct-May	Jun-Sep	
On Peak with Residential Metered Service	$0.28053	$0.31582	
Mid Peak with Residential Metered Service	$0.13956	$0.15214	
Off Peak with Residential Metered Service	$0.08211	$0.07902	N

TERMS AND CONDITIONS OF SERVICE

1. Energy used by customer in excess of energy delivered by the QF at the same site during the same billing period shall be billed in accordance with the appropriate non-time of day retail electric rate.

2. For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate general service demand charge rate.

3. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the QF. The net interconnection charge is the responsibility of the QF.

4. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

5. The customer must comply with the MN Technical Requirements.

AVAILABILITY

This service corresponds to Minn. R. 7835.4012, .4014 (Simultaneous Purchase and Sale Billing Rate) and .4015 (Time-of-Day Purchase Rates) and to Paragraphs 3.b., 3.c., 4.a and 4.b of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to any qualifying facility (QF) customer of less than 1,000 kW AC capacity. The energy payment rates below apply to the energy which the customer exports to the Company after any self-use by the customer.

RATE

Metering charges are as set forth in the Section 10 tariff

Where the customer receives non-time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company (A51)	Oct-May	Jun-Sep	
Energy Payment per kWh	$0.03134	$0.03200	R
Capacity Payment for Firm Power per kWh	$0.00265	$0.02102	R

Where the customer receives time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company (A52)	Oct-May	Jun-Sep	
On Peak Energy Payment per kWh	$0.03810	$0.04293	R
Off Peak Energy Payment per kWh	$0.02773	$0.02619	R
Capacity Payment for Firm Power per On Peak kWh	$0.00764	$0.06024	R

Where the customer receives time of use retail electric service, the following Rate Code applies. N

Payment Schedule for Energy Delivered to Company (A57)	Oct-May	Jun-Sep	
On Peak Energy Payment per kWh	$0.04048	$0.04314	
Mid Peak Energy Payment per kWh	$0.03372	$0.03532	
Off Peak Energy Payment per kWh	$0.02220	$0.01973	
Capacity Payment for Firm Power per On Peak kWh	$0.03049	$0.24136	N

DETERMINATION OF FIRM POWER

The customer will have supplied firm power if during the billing period an on peak capacity factor of at least 65% was achieved. The calculation of the on peak capacity factor will be as follows: the average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

(Continued on Sheet No. 9-3.1)

SALE TO COMPANY AFTER CUSTOMER SELF-USE Section No. 9
RATE CODE A51, A52, A57 (Continued) ~~1st~~2nd Revised Sheet No. 3.1

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer at the same site shall be billed in accordance with the retail rate applicable to the customer.

2. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the customer. The net interconnection charge is the responsibility of the customer.

3. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

4. The customer must comply with the MN Technical Requirements. ~~ND~~

5. Individual System Capacity Limits apply.

MONTHLY NET METERING Section No. 9
RATE CODE A53, A54, A58 ~~30th~~31st Revised Sheet No. 4

AVAILABILITY

This service corresponds to Minn. R. 7835.4012, .4014 (Simultaneous Purchase and Sale Billing Rate) and .4015 (Time-of-Day Purchase Rates) and to Paragraphs 3.b., 3.c., 4.a. and 4.b. of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to any qualifying facility (QF) customer of less than 1,000 kW AC capacity. The energy payment rates below apply to the extent the energy delivered by the customer exceeds that supplied by the Company during the monthly billing period, and the rates below are for that net excess generation.

RATE
Metering charges are as set forth in the Section 10 tariff

Where the customer receives non-time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company in Excess of Energy Used (A53)	Oct-May	Jun-Sep	
Energy Payment per kWh	$0.03134	$0.03200	R
Capacity Payment for Firm Power per kWh	$0.00265	$0.02102	R

Where the customer receives time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company in Excess of Energy Used (A54)	Oct-May	Jun-Sep	
On Peak Energy Payment per kWh	$0.03810	$0.04293	R
Off Peak Energy Payment per kWh	$0.02773	$0.02619	R
Capacity Payment for Firm Power per On Peak kWh	$0.00764	$0.06024	R

Where the customer receives time of use retail electric service, the following Rate Code applies. N

Payment Schedule for Energy Delivered to Company in Excess of Energy Used (A58)	Oct-May	Jun-Sep	
On Peak Energy Payment per kWh	$0.04048	$0.04314	
Mid Peak Energy Payment per kWh	$0.03372	$0.03532	
Off Peak Energy Payment per kWh	$0.02220	$0.01973	
Capacity Payment for Firm Power per On Peak kWh	$0.03049	$0.24136	N

DETERMINATION OF FIRM POWER
The customer will have supplied firm power if during the billing period an on peak capacity factor of at least 65% was achieved. The calculation of the on peak capacity factor will be as follows: the average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

(Continued on Sheet No. 9-4.1)

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer in excess of energy delivered by the QF at the same site during the same billing period shall be billed in accordance with the retail rate applicable to customer.

2. For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate general service demand charge rate.

3. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the customer. The net interconnection charge is the responsibility of the customer.

4. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

5. The customer must comply with the MN Technical Requirements.

~~ND~~

6. Individual System Capacity Limits apply.

ANNUAL NET METERING (KWH BANKING OPTION) Section No. 9
RATE CODE A55, A56, A59 ~~10th~~11th Revised Sheet No. 4.2

Availability

This service corresponds to Minn. R. 7835.4012, .4014 (Simultaneous Purchase and Sale Billing Rate), .4015 (Time-of-Day Purchase Rates), and .4017 (Net Metered Facility; Bill Credits), and to Paragraphs 5.a, 5.b, and 5.c of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to a qualifying facility (QF) or Net Metered Facility (NMF) customer who elects to be compensated for net input into the utility's system in the form of a kilowatt-hour credit on the customer's bill for that customer's account, subject to the following conditions:

A. The customer is not receiving a value of solar rate under Minnesota Statutes, section 216B.164, subdivision 10;
B. The customer is interconnected with the Company; and
C. The customer has at least 40 kilowatt AC capacity but less than 1,000 kilowatt AC capacity.

Metering charges are as set forth in the Section 10 tariff

The Company compensates the customer, in the form of an energy payment, for the bank balance for kWh credits annually at the rate set forth below.

	Annual	
Energy Payment per kWh for Customers on non-time of day Service Tariffs (A55)	$0.03159	R
Time of Day Service Customers (A56)	Annual	
On Peak Energy Payment per kWh	$0.03988	R
Off Peak Energy Payment per kWh	$0.02717	R
Time of Use Service Customers (A59)	Annual	N
On Peak Energy Payment per kWh	$0.04146	
Mid Peak Energy Payment per kWh	$0.03431	
Off Peak Energy Payment per kWh	$0.02129	N

Capacity Payment for Firm Power where customer receives	Oct-May	Jun-Sep	
non-time of day retail electric service per kWh	$0.00265	$0.02102	R
time of day retail electric service per on-peak kWh	$0.00764	$0.06024	R
time of use retail electric service per on-peak kWh	$0.03049	$0.24136	N

Determination of Firm Power

The customer will have supplied firm power if during the billing period an on peak capacity factor of at least 65% was achieved. The calculation of the on peak capacity factor will be as follows: the average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

(Continued on Sheet No. 9-4.3)

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer in excess of energy delivered by the QF or NMF including the depletion of any banked excess generation at the same site shall be billed in accordance with the retail rate applicable to customer.

2. For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate general service demand charge rate.

3. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the customer. The net interconnection charge is the responsibility of the customer.

4. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

5. The customer must comply with the MN Technical Requirements.

6. Individual System Capacity Limits apply.

7. The Company will credit customers electing to "bank" annually via an on-bill credit for that customer's account posted on the bill following the billing cycle that includes December 31 and reflects payment for the bank balance for kWh credits accumulated up through the closing date on that bill which includes December 31. The effect of netting customer generation against customer use occurs on a roughly annual basis, but for administrative purposes may be a few days off from a calendar year. The bank balance increases or decreases monthly, but at end of any given monthly billing cycle never goes below zero.

8. To choose Annual Net Metering, the customer should select Paragraphs 5.a. in the Uniform Statewide Contract for Cogeneration and Small Power Production, in addition to either Paragraph 5.b. or 5.c of that contract.

9. If the Customer has been accepted in the Solar Grant Program for Public Buildings under Minn. Stat. § 216C.377 by the Department of Commerce, then the following provisions apply:
   A. The Customer is still eligible for the A55/A56/A59 rate codes even though its system is less than 40 kW but needs to comply with the other requirements of this tariff except as noted in this Par. 9.
   B. The Customer needs to choose Annual Net Metering, and to do this the customer needs to comply with the provisions in Par. 8 above.
   C. Instead of the bank balance being paid to the Customer annually, any such amounts that would have been are forfeited to the Company. This is consistent with Minn. Stat. § 216C.377, Subd. 12.
   D. The terms and conditions associated with the Solar Grant Program for Public Buildings are managed by the Department of Commerce.

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AGGREGATION OF METERS

The Company will aggregate meters at the request of a customer for services provided under Rate Codes A50, A51, A52, A53, A54, A55, ~~or~~ A56, A57, A58, A59, or A60 for Qualifying Facilities (QFs) having less than 1,000 kW capacity and if greater than 40 kW that also comply with the Individual System Capacity Limits. The Company must aggregate for billing purposes a customer's designated distributed generation bi-directional meter with one or more aggregated retail meters if a customer requests that it do so. To qualify for aggregation: C ~~C~~

1.) the meters must be located on contiguous property owned by the customer requesting the aggregation,
2.) the account(s) associated with the meters must be in the name of the same customer,
3.) the retail services associate with the aggregated meters of a customer must be either all time-of-day, all Time of Use or all non-time-of-day, T C
4.) the total of all aggregated meters must be subject in the aggregate to the size limitation under the single Rate Code chosen by the customer applicable to all of the aggregated meters (i.e., Rate Code A50, A51, A52, A53, A54, A55, ~~or~~ A56, A57, A58, A59, or A60) and in the aggregate be less than 1,000 kW capacity, and C
5.) if the customer has chosen the A53, A54, A55, ~~or~~ A56, A58, or A59 rate code, the total of all aggregated meters is subject in the aggregate to the Individual System Capacity Limits, C

As the term is used here, “contiguous property” means property owned or leased by the customer sharing a common border, without regard to interruptions in contiguity caused by easements, public thoroughfares, transportation rights-of-way, or Company rights-of-way. The Company must comply with a request by a customer-generator to aggregate additional meters within 90 days. The specific meters must be identified at the time of the request. In the event that more than one meter is identified, the customer must designate the rank order for the aggregated meters to which the net metered credits are to be applied. At least 60 days prior to the beginning of the next annual billing period, a customer may amend the rank order of the aggregated meters. The aggregation of meters applies only to charges that use kilowatt-hours as the billing determinant. All other charges applicable to each meter account shall be billed to the customer. The Company will first apply the kilowatt-hour credit to the charges for the designated meter and then to the charges for the aggregated meters in the rank order specified by the customer. If the Net Metered Facility supplies more electricity to the Company than the energy usage recorded by the customer-generator's designated and aggregated meters during a monthly billing period, the Company will apply, at the election of the customer, any excess production based on a monthly credit (Rate Codes A50, A51, A52, A53, ~~or~~ A54, A57, A58, or A60) or the Annual Net Metering (kWh Banking Option, Rate Codes A55, ~~or~~ A56, or A59). Where a monthly credit is chosen, Company shall apply monetary credits to the customer's next monthly bill for the excess kilowatt-hours. The fee to cover the administrative costs incurred in implementing meter aggregation requests is $3.00 per month per retail meter for the meters that are aggregated. C C

(Continued on Sheet No. 9-8.2)

OWNERSHIP OF RENEWABLE ENERGY CREDITS

Generators own all renewable energy credits unless:

A. other ownership is expressly provided for by a contract between a generator and a utility;

B. state law specifies a different outcome; or

C. specific Commission orders or rules specify a different outcome.

DISTRIBUTED GENERATION PPAs WHERE RATE CODES A51-A56 DO NOT APPLY

If a qualifying facility (QF) has capacity of at least 40 kW AC but less than 1,000 kW AC and does not comply with the Individual System Capacity Limits or if the QF does not qualify for the Tariffed PPA Contract Available to QFs up to 5 MW, then the rate codes A51-~~A56~~A59 do not apply. These rate codes also do not apply, for example, where the QF or other distributed generation (DG) has a capacity of 1,000 kW AC or more, unless if the Tariffed PPA Contract Available to QFs up to 5 MW applies. In circumstances where Rate Codes A51-~~A56~~A59 do not apply, or where the Tariff Contract Available for QFs up to 5 MW applies, then the Section 9 Uniform Statewide Contract also does not apply. Where the Section 9 Uniform Statewide Contract does not apply, the DG customer may apply for interconnection under the Company's Section 10 tariff. Whether the Company pays for energy or capacity delivered to it would depend on whether there is a power purchase agreement (PPA) and further depend on the rates, terms and conditions in the PPA. Nothing in this tariff shall be construed to obligate Company to enter into a PPA. The obligation to enter into such a PPA with a DG customer takes into consideration many factors, including whether there is a Legally Enforceable Obligation (LEO) of the Company to enter into such a PPA and the proposed rates, terms and conditions. The Company may also voluntarily enter into a PPA with a DG customer. Should a DG customer and Company enter into a PPA where the Section 9 Uniform Statewide Contract does not apply (and no other Section 9 tariffed contract applies, such as a Solar*Rewards contract), then the following procedures will apply: ~~C~~ C ~~C~~ C

1. If the DG is over 10 MW AC nameplate capacity, then the PPA along with the associated Interconnection Agreement will need to be approved by the Commission.
2. If the DG has a nameplate capacity of 40 kW up to and including 10 MW AC, and is for a term of more than 5 years, the Company shall file the PPA with the Commission and the Company shall be permitted to proceed with the PPA beginning 32 days after filing if no objection or intent to object is filed within 30 days of filing. If there is an objection or intent to object filed in this 30-day time frame, then the Commission will need to issue an order approving the PPA before the PPA is approved.
3. If the DG has a nameplate capacity of 40 kW up to and including 10 MW AC, and is for a term of 5 years or less, the Company may proceed with the PPA, but the Commission can examine the prudency of rates in the PPA during any request for rate recovery.
4. Notwithstanding the above, if the Commission has otherwise directed that a Commission order is needed for the PPA to be approved then that Commission directive shall apply.

1. Where a tenant has signed the Uniform Statewide Contract for a generation system that is the subject of a Solar*Rewards Contract with Addendum for Solar*Rewards Customer Contract (Addressing Solar*Rewards Program for Low-Income Tenants for Single Family Homes or Multi-Unit Dwellings), and that tenant later moves out and a new tenant moves in, then that new tenant (and any subsequent tenant) who is receiving electrical service at that premise shall be entitled to the net metering benefits as set forth in the Uniform Statewide Contract without the need for that tenant to sign the Uniform Statewide Contract. The terms and conditions, and benefits and responsibilities, set forth in the Uniform Statewide Contract shall apply to the then-current tenant. In the absence of an affirmative selection by the tenant, then the A50 net metering rate code shall apply for retail customers on non Time of Use service and the A60 net metering rate shall apply for retail customers on Time of Use service. The then-current tenant can contact Northern States Power Company by telephone or other reasonable means mutually agreed upon at any time to change this selection from among the available net metering rate codes for that premise. Northern States Power Company shall provide written notice to the then-current tenant of the applicability of the Uniform Statewide Contract and of the applicable net metering rate code. C C

2. Where a landlord owner of a premises is the owner of a non-Solar*Rewards DER system that is the subject of a Section 10 tariff Interconnection Agreement or MN DIA, and that DER system is connected to the meter where a tenant is the named Customer receiving retail electrical service, then the tenant (and any subsequent tenant) who is receiving electrical service at that premise shall be entitled to the net metering benefits as set forth in the Uniform Statewide Contract without the need for that tenant to sign the Uniform Statewide Contract. As used in this section, and consistent with Minn. Stat. § 216B.02, the term “tenant” means any of the following: 1. a tenant or cooperative or condominium owner in a building owned, leased, or operated by the owner of the DER system; or 2. an occupant of a manufactured home or trailer park owned, leased, or operated by the owner of the DER system. The benefits (but not the responsibilities) of net metering as, set forth in the Uniform Statewide Contract shall flow to the named customer whose meter is connected to the DER, subject to offset for metering charges. The named customer remains responsible for terms, conditions and responsibilities of all retail electric customers that may also be identified as responsibilities in the Uniform Statewide Contract. In the absence of an affirmative selection by the tenant, then the A50 net metering rate code shall apply for retail customers on non Time of Use service and the A60 net metering rate code shall apply for retail customers on Time of Use service provided that the tenant would otherwise qualify for that rate code. If the tenant does not qualify for the A50 or A60 net metering rate code, then in the absence of a selection by the tenant the A55 net metering rate code shall apply for retail customers on non-time of day service, ~~and~~ the A56 net metering rate code shall apply for retail customers on time of day service, and the A59 net metering rate code shall apply for retail customers on Time of Use service, provided that the tenant would otherwise qualify for these rate codes. The then-current tenant can contact Northern States Power Company by telephone or other reasonable means mutually agreed upon at any time to change this selection from among the available net metering rate codes for that premise. Northern States Power Company shall provide written notice to the then-current tenant of the applicability of certain provisions of the Uniform Statewide Contract and of the applicable net metering rate code. The monthly metering charges associated with the QF DER system would be applied to the tenant notwithstanding provisions to the contrary that may be in the Interconnection Agreement or MN DIA, and the net metering benefits less monthly metering charges are the only terms being assigned from the Interconnection Customer to the named customer receiving retail service at the meter where the DER is interconnected. This tariff provision only applies where the DER system is physically connected to the meter where a tenant is the named Customer receiving retail electric service. Accordingly, in the case of multi-tenant apartment buildings, this tariff provision only applies where the DER system is physically connected to the meter where a tenant is the named Customer receiving retail electric service. ~~N~~ C C C C ~~N~~

TARIFFED PPA CONTRACT AVAILABLE TO QFs UP TO 5 MW

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THIS Contract is entered into _____, _____ , by Northern States Power Company, a Minnesota corporation and wholly owned subsidiary of Xcel Energy Inc., (hereafter called "Utility") and _____ (hereafter called "QF").

RECITALS

The QF has installed electric generating facilities, consisting of _____ (Description of facilities), rated at ____ kilowatts of electricity, on property located at _____ _____ (Customer Location).

The QF is prepared to generate electricity in parallel with the Utility.

The QF is a Qualifying Facility not greater than 5 MW and has an effective Interconnection Agreement (MN DIA) applicable to the generating facilities.

A contract between the QF and the Utility is required by the Commission's rules.

AGREEMENTS

The QF and the Utility agree:

1. The Utility will sell electricity to the QF under the rate schedule in force for the class of customer to which the QF belongs.

2. The Parties agree that the Company will purchase energy made available from the Customer at the Customer Location and that the purchase will align with the A51/A52/A57 net metering rate codes and provisions as set forth in the tariff of the Company, except as clarified or described below. If the Customer retail service from the Company is non-time of day or Time of Use, then the A51 rate code shall apply. If the Customer retail service from the Company is time-of-day, then the A52 rate code shall apply. If the Customer retail service from the Company is Time of Use, then the A57 rate code shall apply. ~~Both the~~The A51/A52/A57 rate codes are based on 15 minute intervals for net metering. This means that for each 15 minutes during the billing month the total generation from the Customer sent to the Company is netted against the total energy sent from the Company to the Customer. If the 15 minute balance shows more energy is sent to the Company then the Customer will be compensated for that net difference at the A51/A52/A57 rate based on that 15 minute interval. Similarly, if the 15 minute balance shows more energy is sent to the Customer by the Company, then the Company's retail billing to the Customer will reflect that net difference based on that 15 minute interval.

3. The A51/A52/A57 tariff provisions by themselves do not apply to QF systems 1 MW or greater or which exceed 120% of on-site electrical consumption (the "120% rule", also called "Individual System Capacity Limits" in the A51/A52/A57 tariff). But under this Contract the A51/A52/A57 tariff rate provisions apply for any QF up to 5 MW sized even though the system may be greater than these tariff limits, and the 120% rule under the A51/A52/A57 tariff does not apply. As the tariff A51/A52/A57 rates change over time, the rates under this Contract will also change at the same time.

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(Continued on Sheet No. 9-12.3)

Agreement: (Continued)

2. Amendment to Solar*Rewards Customer Contract. (Continued)

2.a. (Continued) The rates, terms and conditions for sales and purchases of electricity, as referenced in the above tariffs, may be changed over the time this Contract is in force, due to actions of the Company or of the Commission, and Customer and Company agree that sales and purchases will be made under the rates in effect each month during the time this Contract is in force. However, the incentive payment discussed in Section 3(b) below shall remain the same for 10 years. At any time after making its initial election, the Customer can change this election to another rate code for which the Customer qualifies by calling the Company or by confirming the change through email communication with the Company. If the Customer no longer qualifies for its designated rate code, the Company will provide notice to the Customer and Customer will no longer be able to be on a rate code for which the Customer does not qualify

2.b. Customer will pay a monthly metering charge under the Company tariff elected by the Customer, and according to meter installation requirements in Section 5b. The monthly metering charge pays for the cost and installation of a bi-directional meter at the Service Address which measures electricity delivered by the Company to the Customer and energy received by the Company from the Customer, and the associated billing, operating and maintenance expenses. The metering charge may be changed over the time this Contract is in force, due to actions of the Company or of the Commission, and Customer and Company agree that the metering charge will be under the rates in effect each month during the time this Contract is in force.

b. The following provisions are inserted on Sheet 9-49.01 in place of the above removed paragraphs:

2.a. During this Contract, the Customer or Customer's tenant will be receiving retail electrical service from the Company at the above address. The term "Customer" as used in this Contract shall mean the Customer's tenant where in context that term is used to mean the person or entity receiving retail electrical service at the above address.

Company will buy electricity generated by the PV System from Customer under the applicable Company rate schedule filed with the Commission and under the applicable Net Metering rate code that the Customer qualifies for as designated by the Customer under the Uniform Statewide Contract. Alternatively, the tenant(s) may simply contact the Company to select the applicable rate code for the net metering without the need to sign the Uniform Statewide Contract, although the provisions of the Uniform Statewide Contract will apply to the PV System as though it were signed. The A50 or 60 net metering rate code applies (if available) if the tenant has not selected any different available net metering rate code. The provisions of the Uniform Statewide Contract will no longer apply to a specific tenant once that tenant moves out. There must be a signed MN DIA in place to keep the PV System interconnected.

Clean

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Section No. 1
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T

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(Continued on Sheet No. TOC-2)

RESIDENTIAL TIME OF USE SERVICE Section No. 5
RATE CODE A72, A74 5th Revised Sheet No. 4.1

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

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. D D D D

RATE

	Standard	Electric Space Heating	
Customer Charge per Month			N
Overhead (A72)	$6.00	$6.00	N
Underground (A74)	$6.00	$6.00	N
Energy Charge per kWh			
June – September			
On-Peak Period	$0.21329	$0.21329	RN
Mid-Peak Period	$0.13468	$0.13468	RN
Off-Peak Period	$0.07479	$0.07479	RN
Other Months			
On-Peak Period	$0.17314	$0.06537	RN
Mid-Peak Period	$0.11485	$0.06537	RN
Off-Peak Period	$0.07479	$0.06537	RN

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

INTERIM RATE ADJUSTMENT
A 7.14% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2025.

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

SALES TRUE-UP RIDER
Bills are subject to the adjustments provided for in the Sales True-Up Rider.

(Continued on Sheet No. 5-4.2)

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.

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.

LOW INCOME ENERGY DISCOUNT
Energy discount is available to qualified low income customers under this schedule subject to the provisions contained in the Low Income Energy Discount Rider.

DEFINITION OF PEAK PERIODS
The On-Peak period is defined as the hours between 6:00 p.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Mid-Peak period is defined as the hours not defined as On-Peak or Off-Peak periods. The Off-Peak period is defined as those hours between Midnight (12:00 a.m.) and 6:00 a.m. every day.

TERMS AND CONDITIONS OF SERVICE
1. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.
2. Any customer who opts-out of this rate cannot reenroll in the rate for a minimum of 12 months from the end of their last billing cycle on the rate.

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RULES FOR APPLICATION OF RESIDENTIAL RATES

1. The Residential Service, Residential Time of Day Service and Residential Time of Use Service are the only rates available to residential customers for domestic purposes in a single private residence. Energy Controlled Service (Non-Demand Metered), Limited Off Peak Service, Voluntary Electric Vehicle Charger Service, Electric Vehicle Home Service, Residential Electric Vehicle Pilot Service, Residential Electric Vehicle Subscription Pilot Service and Automatic Protective Lighting Service rate schedules are also available to qualifying residential customers. T

2. Normal service under the Residential Service, Residential Time of Day Service and Residential Time of Use Service rate schedules is single phase service rendered through one meter. Three phase service or service through more than one meter will be provided upon a one-time payment of an amount to reimburse Company for the additional investment. If customer is served through more than one meter, each meter will be separately billed. T

3. Electric space heating charges are applicable only when customer's electric space heating equipment is used as customer's primary heating source. Customers with heat pumps are also eligible for the space heating rate. C C

4. Underground service charges will apply where the underground facilities are owned by Company, and Company has not been fully reimbursed for the added cost of such underground facilities.

5. Standby and Supplementary Service is available for any residential customer subject to the provisions in the General Rules and Regulations, Section 2.4. The Company's meter will be ratcheted to measure the flow of power and energy from Company to customer only.

6. A customer using electric service for domestic and non-domestic purposes jointly may combine such use through one meter on such rates as are available to general service customers.

7. The Residential Service, Residential Time of Day Service, and Residential Time of Use Service rate schedules are available to farm installations which were served on the separate Farm Service rate schedule prior to its cancellation on November 1, 1988. Residential Service, Residential Time of Day Service, and Residential Time of Use Service to these qualifying farm customers is limited to 120/240 volts single phase service rendered through one meter. Motors and other equipment which interfere with service to neighboring customers and all transformer type welding machines larger than 25 kilovolt-amperes are not permitted as part of this service. T T T

TECHNICAL AND SPECIAL TERMS FOR COGENERATION AND SMALL POWER PRODUCTION (Continued)

Section No. 9
2nd Revised Sheet No. 1.1

INTERCONNECTION COSTS. The reasonable costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Company that are directly related to installing and maintaining the physical facilities necessary to permit interconnected operations with a qualifying facility. Costs are considered interconnection costs only to the extent that they exceed the corresponding costs which the Company would have incurred if it had not engaged in interconnected operations, but instead generated from its own facilities or purchased from other sources an equivalent amount of electric energy or capacity. Costs are considered interconnection costs only to the extent that they exceed the costs the utility would incur in selling electricity to the qualifying facility as a nongenerating customer.

METERING CHARGE. The monthly metering charge recovers the cost and installation of the additional meter and the associated billing, operating, and maintenance expenses.

MN DIA. The Minnesota Distributed Energy Resource Interconnection Agreement. See Company Section 10 tariff.

MN DIP. The Minnesota Distributed Energy Resource Interconnection Process. See Company Section 10 tariff. The MN DIA shall be considered to be part of the MN DIP.

MN TECHNICAL REQUIREMENTS (OR MINNESOTA TECHNICAL REQUIREMENTS). These are as defined in the MN DIP, Attachment 1, Glossary of Terms, and also include all requirements in the Operating Agreement attached to the MN DIA.

NET INTERCONNECTION CHARGE. The net interconnection charge will be assessed on a non-refundable basis to recover the Company's reasonable costs of connection, switching, transmission, distribution, safety provisions, and administrative costs that are directly related to installing and maintaining the physical facilities necessary to permit interconnected operations with a QF or NMF in excess of the facilities and expenses recovered in the monthly metering charge.

NET METERED FACILITY (NMF). An electric generation facility constructed for the purpose of offsetting energy use through the use of renewable energy or high-efficiency distributed generation sources.

DEFINITION OF PEAK PERIODS – TIME OF DAY SERVICE. The On-Peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Off-Peak Period is defined as all other hours.

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DEFINITION OF PEAK PERIODS – TIME OF USE SERVICE. The On-Peak period is defined as the hours between 6:00 p.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Mid-Peak period is defined as the hours not defined as On-Peak or Off-Peak periods. The Off-Peak period is defined as those hours between Midnight (12:00 a.m.) and 6:00 a.m. every day.

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QUALIFYING FACILITY (QF). A qualifying facility is a cogeneration or small power production facility which satisfies the conditions in 18 Code of Federal Regulations Part 292.

SMALL QUALIFYING FACILITY (SQF). A small qualifying facility is a qualifying facility with certified capacity of 100 kW AC or less.

EXCESS GENERATION-AVERAGE RETAIL UTILITY ENERGY SERVICE
RATE CODE A50, A60

AVAILABILITY

This service corresponds to Minn. R. 7835.4012 and Minn. R. 7835.4013 (Average Retail Energy Rate) and to Paragraph 3.a of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to any qualifying facility (QF) of less than 40 kW AC capacity who receives non-time of day retail electric service from Company and offsets energy delivered by Company. The A50 and A60 Rate Codes applies to the extent the energy delivered by the customer exceeds that supplied by the Company during the monthly billing period, and the rates below are for that net excess generation. T

RATE

Metering charges are as set forth in the Section 10 tariff

Where the customer receives non-Time of Use retail electric service, the following Rate Code applies. T

Payment per kWh for Energy Delivered to Company in Excess of Energy Used (A50)	Oct-May	Jun-Sep
With Retail Non-Demand Metered Service	$0.15261	$0.17408
With Retail Demand Metered Service	$0.08732	$0.08892

Where the customer receives Residential time of use retail electric service, the following Rate Code applies. N

Payment per kWh for Energy Delivered to Company in Excess of Energy Used (A60)	Oct-May	Jun-Sep
On Peak with Residential Metered Service	$0.28053	$0.31582
Mid Peak with Residential Metered Service	$0.13956	$0.15214
Off Peak with Residential Metered Service	$0.08211	$0.07902 N

TERMS AND CONDITIONS OF SERVICE

1. Energy used by customer in excess of energy delivered by the QF at the same site during the same billing period shall be billed in accordance with the appropriate non-time of day retail electric rate.

2. For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate general service demand charge rate.

3. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the QF. The net interconnection charge is the responsibility of the QF.

4. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

5. The customer must comply with the MN Technical Requirements.

SALE TO COMPANY AFTER CUSTOMER SELF-USE Section No. 9
RATE CODE A51, A52, A57 32nd Revised Sheet No. 3

AVAILABILITY

This service corresponds to Minn. R. 7835.4012, .4014 (Simultaneous Purchase and Sale Billing Rate) and .4015 (Time-of-Day Purchase Rates) and to Paragraphs 3.b., 3.c., 4.a and 4.b of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to any qualifying facility (QF) customer of less than 1,000 kW AC capacity. The energy payment rates below apply to the energy which the customer exports to the Company after any self-use by the customer.

RATE

Metering charges are as set forth in the Section 10 tariff

Where the customer receives non-time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company (A51)	Oct-May	Jun-Sep
Energy Payment per kWh	$0.03134	$0.03200
Capacity Payment for Firm Power per kWh	$0.00265	$0.02102

Where the customer receives time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company (A52)	Oct-May	Jun-Sep
On Peak Energy Payment per kWh	$0.03810	$0.04293
Off Peak Energy Payment per kWh	$0.02773	$0.02619
Capacity Payment for Firm Power per On Peak kWh	$0.00764	$0.06024

Where the customer receives time of use retail electric service, the following Rate Code applies. N

Payment Schedule for Energy Delivered to Company (A57)	Oct-May	Jun-Sep
On Peak Energy Payment per kWh	$0.04048	$0.04314
Mid Peak Energy Payment per kWh	$0.03372	$0.03532
Off Peak Energy Payment per kWh	$0.02220	$0.01973
Capacity Payment for Firm Power per On Peak kWh	$0.03049	$0.24136

N

DETERMINATION OF FIRM POWER

The customer will have supplied firm power if during the billing period an on peak capacity factor of at least 65% was achieved. The calculation of the on peak capacity factor will be as follows: the average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

(Continued on Sheet No. 9-3.1)

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer at the same site shall be billed in accordance with the retail rate applicable to the customer.

2. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the customer. The net interconnection charge is the responsibility of the customer.

3. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

4. The customer must comply with the MN Technical Requirements.

5. Individual System Capacity Limits apply.

MONTHLY NET METERING Section No. 9
RATE CODE A53, A54, A58 31st Revised Sheet No. 4

AVAILABILITY

This service corresponds to Minn. R. 7835.4012, .4014 (Simultaneous Purchase and Sale Billing Rate) and .4015 (Time-of-Day Purchase Rates) and to Paragraphs 3.b., 3.c., 4.a. and 4.b. of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to any qualifying facility (QF) customer of less than 1,000 kW AC capacity. The energy payment rates below apply to the extent the energy delivered by the customer exceeds that supplied by the Company during the monthly billing period, and the rates below are for that net excess generation.

RATE
Metering charges are as set forth in the Section 10 tariff

Where the customer receives non-time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company in Excess of Energy Used (A53)	Oct-May	Jun-Sep
Energy Payment per kWh	$0.03134	$0.03200
Capacity Payment for Firm Power per kWh	$0.00265	$0.02102

Where the customer receives time of day retail electric service, the following Rate Code applies.

Payment Schedule for Energy Delivered to Company in Excess of Energy Used (A54)	Oct-May	Jun-Sep
On Peak Energy Payment per kWh	$0.03810	$0.04293
Off Peak Energy Payment per kWh	$0.02773	$0.02619
Capacity Payment for Firm Power per On Peak kWh	$0.00764	$0.06024

Where the customer receives time of use retail electric service, the following Rate Code applies. N

Payment Schedule for Energy Delivered to Company in Excess of Energy Used (A58)	Oct-May	Jun-Sep
On Peak Energy Payment per kWh	$0.04048	$0.04314
Mid Peak Energy Payment per kWh	$0.03372	$0.03532
Off Peak Energy Payment per kWh	$0.02220	$0.01973
Capacity Payment for Firm Power per On Peak kWh	$0.03049	$0.24136

N

DETERMINATION OF FIRM POWER
The customer will have supplied firm power if during the billing period an on peak capacity factor of at least 65% was achieved. The calculation of the on peak capacity factor will be as follows: the average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

(Continued on Sheet No. 9-4.1)

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer in excess of energy delivered by the QF at the same site during the same billing period shall be billed in accordance with the retail rate applicable to customer.

2. For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate general service demand charge rate.

3. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the customer. The net interconnection charge is the responsibility of the customer.

4. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

5. The customer must comply with the MN Technical Requirements.

6. Individual System Capacity Limits apply.

ANNUAL NET METERING (KWH BANKING OPTION) Section No. 9
RATE CODE A55, A56, A59 11th Revised Sheet No. 4.2

Availability

This service corresponds to Minn. R. 7835.4012, .4014 (Simultaneous Purchase and Sale Billing Rate), .4015 (Time-of-Day Purchase Rates), and .4017 (Net Metered Facility; Bill Credits), and to Paragraphs 5.a, 5.b, and 5.c of the Uniform Statewide Contract for Cogeneration and Small Power Production. Available to a qualifying facility (QF) or Net Metered Facility (NMF) customer who elects to be compensated for net input into the utility's system in the form of a kilowatt-hour credit on the customer's bill for that customer's account, subject to the following conditions:

A. The customer is not receiving a value of solar rate under Minnesota Statutes, section 216B.164, subdivision 10;
B. The customer is interconnected with the Company; and
C. The customer has at least 40 kilowatt AC capacity but less than 1,000 kilowatt AC capacity.

Metering charges are as set forth in the Section 10 tariff

The Company compensates the customer, in the form of an energy payment, for the bank balance for kWh credits annually at the rate set forth below.

		Annual	
Energy Payment per kWh for Customers on non-time of day Service Tariffs (A55)		$0.03159	
Time of Day Service Customers (A56)		Annual	
On Peak Energy Payment per kWh		$0.03988	
Off Peak Energy Payment per kWh		$0.02717	
Time of Use Service Customers (A59)		Annual	N
On Peak Energy Payment per kWh		$0.04146	|
Mid Peak Energy Payment per kWh		$0.03431	|
Off Peak Energy Payment per kWh		$0.02129	N
Capacity Payment for Firm Power where customer receives	Oct-May	Jun-Sep	
non-time of day retail electric service per kWh	$0.00265	$0.02102	
time of day retail electric service per on-peak kWh	$0.00764	$0.06024	
time of use retail electric service per on-peak kWh	$0.03049	$0.24136	N

Determination of Firm Power

The customer will have supplied firm power if during the billing period an on peak capacity factor of at least 65% was achieved. The calculation of the on peak capacity factor will be as follows: the average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

(Continued on Sheet No. 9-4.3)

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer in excess of energy delivered by the QF or NMF including the depletion of any banked excess generation at the same site shall be billed in accordance with the retail rate applicable to customer.

2. For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate general service demand charge rate.

3. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the customer. The net interconnection charge is the responsibility of the customer.

4. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.

5. The customer must comply with the MN Technical Requirements.

6. Individual System Capacity Limits apply.

7. The Company will credit customers electing to “bank” annually via an on-bill credit for that customer’s account posted on the bill following the billing cycle that includes December 31 and reflects payment for the bank balance for kWh credits accumulated up through the closing date on that bill which includes December 31. The effect of netting customer generation against customer use occurs on a roughly annual basis, but for administrative purposes may be a few days off from a calendar year. The bank balance increases or decreases monthly, but at end of any given monthly billing cycle never goes below zero.

8. To choose Annual Net Metering, the customer should select Paragraphs 5.a. in the Uniform Statewide Contract for Cogeneration and Small Power Production, in addition to either Paragraph 5.b. or 5.c of that contract.

9. If the Customer has been accepted in the Solar Grant Program for Public Buildings under Minn. Stat. § 216C.377 by the Department of Commerce, then the following provisions apply:
   A. The Customer is still eligible for the A55/A56/A59 rate codes even though its system is less than 40 kW but needs to comply with the other requirements of this tariff except as noted in this Par. 9. T
   B. The Customer needs to choose Annual Net Metering, and to do this the customer needs to comply with the provisions in Par. 8 above.
   C. Instead of the bank balance being paid to the Customer annually, any such amounts that would have been are forfeited to the Company. This is consistent with Minn. Stat. § 216C.377, Subd. 12.
   D. The terms and conditions associated with the Solar Grant Program for Public Buildings are managed by the Department of Commerce.

AGGREGATION OF METERS

The Company will aggregate meters at the request of a customer for services provided under Rate Codes A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, or A60 for Qualifying Facilities (QFs) having less than 1,000 kW capacity and if greater than 40 kW that also comply with the Individual System Capacity Limits. The Company must aggregate for billing purposes a customer's designated distributed generation bi-directional meter with one or more aggregated retail meters if a customer requests that it do so. To qualify for aggregation: C

1.) the meters must be located on contiguous property owned by the customer requesting the aggregation,
2.) the account(s) associated with the meters must be in the name of the same customer,
3.) the retail services associate with the aggregated meters of a customer must be either all time-of-day, all Time of Use or all non-time-of-day, T C
4.) the total of all aggregated meters must be subject in the aggregate to the size limitation under the single Rate Code chosen by the customer applicable to all of the aggregated meters (i.e., Rate Code A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, or A60) and in the aggregate be less than 1,000 kW capacity, and C
5.) if the customer has chosen the A53, A54, A55, A56, A58, or A59 rate code, the total of all aggregated meters is subject in the aggregate to the Individual System Capacity Limits, C

As the term is used here, “contiguous property” means property owned or leased by the customer sharing a common border, without regard to interruptions in contiguity caused by easements, public thoroughfares, transportation rights-of-way, or Company rights-of-way. The Company must comply with a request by a customer-generator to aggregate additional meters within 90 days. The specific meters must be identified at the time of the request. In the event that more than one meter is identified, the customer must designate the rank order for the aggregated meters to which the net metered credits are to be applied. At least 60 days prior to the beginning of the next annual billing period, a customer may amend the rank order of the aggregated meters. The aggregation of meters applies only to charges that use kilowatt-hours as the billing determinant. All other charges applicable to each meter account shall be billed to the customer. The Company will first apply the kilowatt-hour credit to the charges for the designated meter and then to the charges for the aggregated meters in the rank order specified by the customer. If the Net Metered Facility supplies more electricity to the Company than the energy usage recorded by the customer-generator's designated and aggregated meters during a monthly billing period, the Company will apply, at the election of the customer, any excess production based on a monthly credit (Rate Codes A50, A51, A52, A53, A54, A57, A58, or A60) or the Annual Net Metering (kWh Banking Option, Rate Codes A55, A56, or A59). Where a monthly credit is chosen, Company shall apply monetary credits to the customer's next monthly bill for the excess kilowatt-hours. The fee to cover the administrative costs incurred in implementing meter aggregation requests is $3.00 per month per retail meter for the meters that are aggregated. C C

(Continued on Sheet No. 9-8.2)

OWNERSHIP OF RENEWABLE ENERGY CREDITS

Generators own all renewable energy credits unless:
A. other ownership is expressly provided for by a contract between a generator and a utility;
B. state law specifies a different outcome; or
C. specific Commission orders or rules specify a different outcome.

DISTRIBUTED GENERATION PPAs WHERE RATE CODES A51-A56 DO NOT APPLY

If a qualifying facility (QF) has capacity of at least 40 kW AC but less than 1,000 kW AC and does not comply with the Individual System Capacity Limits or if the QF does not qualify for the Tariffed PPA Contract Available to QFs up to 5 MW, then the rate codes A51-A59 do not apply. These rate codes also do not apply, for example, where the QF or other distributed generation (DG) has a capacity of 1,000 kW AC or more, unless if the Tariffed PPA Contract Available to QFs up to 5 MW applies. In circumstances where Rate Codes A51-A59 do not apply, or where the Tariff Contract Available for QFs up to 5 MW applies, then the Section 9 Uniform Statewide Contract also does not apply. Where the Section 9 Uniform Statewide Contract does not apply, the DG customer may apply for interconnection under the Company's Section 10 tariff. Whether the Company pays for energy or capacity delivered to it would depend on whether there is a power purchase agreement (PPA) and further depend on the rates, terms and conditions in the PPA. Nothing in this tariff shall be construed to obligate Company to enter into a PPA. The obligation to enter into such a PPA with a DG customer takes into consideration many factors, including whether there is a Legally Enforceable Obligation (LEO) of the Company to enter into such a PPA and the proposed rates, terms and conditions. The Company may also voluntarily enter into a PPA with a DG customer. Should a DG customer and Company enter into a PPA where the Section 9 Uniform Statewide Contract does not apply (and no other Section 9 tariffed contract applies, such as a Solar*Rewards contract), then the following procedures will apply: C C

1. If the DG is over 10 MW AC nameplate capacity, then the PPA along with the associated Interconnection Agreement will need to be approved by the Commission.
2. If the DG has a nameplate capacity of 40 kW up to and including 10 MW AC, and is for a term of more than 5 years, the Company shall file the PPA with the Commission and the Company shall be permitted to proceed with the PPA beginning 32 days after filing if no objection or intent to object is filed within 30 days of filing. If there is an objection or intent to object filed in this 30-day time frame, then the Commission will need to issue an order approving the PPA before the PPA is approved.
3. If the DG has a nameplate capacity of 40 kW up to and including 10 MW AC, and is for a term of 5 years or less, the Company may proceed with the PPA, but the Commission can examine the prudency of rates in the PPA during any request for rate recovery.
4. Notwithstanding the above, if the Commission has otherwise directed that a Commission order is needed for the PPA to be approved then that Commission directive shall apply.

1. Where a tenant has signed the Uniform Statewide Contract for a generation system that is the subject of a Solar*Rewards Contract with Addendum for Solar*Rewards Customer Contract (Addressing Solar*Rewards Program for Low-Income Tenants for Single Family Homes or Multi-Unit Dwellings), and that tenant later moves out and a new tenant moves in, then that new tenant (and any subsequent tenant) who is receiving electrical service at that premise shall be entitled to the net metering benefits as set forth in the Uniform Statewide Contract without the need for that tenant to sign the Uniform Statewide Contract. The terms and conditions, and benefits and responsibilities, set forth in the Uniform Statewide Contract shall apply to the then-current tenant. In the absence of an affirmative selection by the tenant, then the A50 net metering rate code shall apply for retail customers on non Time of Use service and the A60 net metering rate shall apply for retail customers on Time of Use service. The then-current tenant can contact Northern States Power Company by telephone or other reasonable means mutually agreed upon at any time to change this selection from among the available net metering rate codes for that premise. Northern States Power Company shall provide written notice to the then-current tenant of the applicability of the Uniform Statewide Contract and of the applicable net metering rate code. C C

2. Where a landlord owner of a premises is the owner of a non-Solar*Rewards DER system that is the subject of a Section 10 tariff Interconnection Agreement or MN DIA, and that DER system is connected to the meter where a tenant is the named Customer receiving retail electrical service, then the tenant (and any subsequent tenant) who is receiving electrical service at that premise shall be entitled to the net metering benefits as set forth in the Uniform Statewide Contract without the need for that tenant to sign the Uniform Statewide Contract. As used in this section, and consistent with Minn. Stat. § 216B.02, the term “tenant” means any of the following: 1. a tenant or cooperative or condominium owner in a building owned, leased, or operated by the owner of the DER system; or 2. an occupant of a manufactured home or trailer park owned, leased, or operated by the owner of the DER system. The benefits (but not the responsibilities) of net metering as, set forth in the Uniform Statewide Contract shall flow to the named customer whose meter is connected to the DER, subject to offset for metering charges. The named customer remains responsible for terms, conditions and responsibilities of all retail electric customers that may also be identified as responsibilities in the Uniform Statewide Contract. In the absence of an affirmative selection by the tenant, then the A50 net metering rate code shall apply for retail customers on non Time of Use service and the A60 net metering rate code shall apply for retail customers on Time of Use service provided that the tenant would otherwise qualify for that rate code. If the tenant does not qualify for the A50 or A60 net metering rate code, then in the absence of a selection by the tenant the A55 net metering rate code shall apply for retail customers on non-time of day service, the A56 net metering rate code shall apply for retail customers on time of day service, and the A59 net metering rate code shall apply for retail customers on Time of Use service, provided that the tenant would otherwise qualify for these rate codes. The then-current tenant can contact Northern States Power Company by telephone or other reasonable means mutually agreed upon at any time to change this selection from among the available net metering rate codes for that premise. Northern States Power Company shall provide written notice to the then-current tenant of the applicability of certain provisions of the Uniform Statewide Contract and of the applicable net metering rate code. The monthly metering charges associated with the QF DER system would be applied to the tenant notwithstanding provisions to the contrary that may be in the Interconnection Agreement or MN DIA, and the net metering benefits less monthly metering charges are the only terms being assigned from the Interconnection Customer to the named customer receiving retail service at the meter where the DER is interconnected. This tariff provision only applies where the DER system is physically connected to the meter where a tenant is the named Customer receiving retail electric service. Accordingly, in the case of multi-tenant apartment buildings, this tariff provision only applies where the DER system is physically connected to the meter where a tenant is the named Customer receiving retail electric service. C C C C

TARIFFED PPA CONTRACT AVAILABLE TO QFs UP TO 5 MW

THIS Contract is entered into _____, _____ , by Northern States Power Company, a Minnesota corporation and wholly owned subsidiary of Xcel Energy Inc., (hereafter called "Utility") and _____ (hereafter called "QF").

RECITALS

The QF has installed electric generating facilities, consisting of _____ (Description of facilities), rated at ____ kilowatts of electricity, on property located at _____ _____ (Customer Location).

The QF is prepared to generate electricity in parallel with the Utility.

The QF is a Qualifying Facility not greater than 5 MW and has an effective Interconnection Agreement (MN DIA) applicable to the generating facilities.

A contract between the QF and the Utility is required by the Commission's rules.

AGREEMENTS

The QF and the Utility agree:

1. The Utility will sell electricity to the QF under the rate schedule in force for the class of customer to which the QF belongs.

2. The Parties agree that the Company will purchase energy made available from the Customer at the Customer Location and that the purchase will align with the A51/A52/A57 net metering rate codes and provisions as set forth in the tariff of the Company, except as clarified or described below. If the Customer retail service from the Company is non-time of day or Time of Use, then the A51 rate code shall apply. If the Customer retail service from the Company is time-of-day, then the A52 rate code shall apply. If the Customer retail service from the Company is Time of Use, then the A57 rate code shall apply. The A51/A52/A57 rate codes are based on 15 minute intervals for net metering. This means that for each 15 minutes during the billing month the total generation from the Customer sent to the Company is netted against the total energy sent from the Company to the Customer. If the 15 minute balance shows more energy is sent to the Company then the Customer will be compensated for that net difference at the A51/A52/A57 rate based on that 15 minute interval. Similarly, if the 15 minute balance shows more energy is sent to the Customer by the Company, then the Company's retail billing to the Customer will reflect that net difference based on that 15 minute interval. C C C C

3. The A51/A52/A57 tariff provisions by themselves do not apply to QF systems 1 MW or greater or which exceed 120% of on-site electrical consumption (the "120% rule", also called "Individual System Capacity Limits" in the A51/A52/A57 tariff). But under this Contract the A51/A52/A57 tariff rate provisions apply for any QF up to 5 MW sized even though the system may be greater than these tariff limits, and the 120% rule under the A51/A52/A57 tariff does not apply. As the tariff A51/A52/A57 rates change over time, the rates under this Contract will also change at the same time. C C C

(Continued on Sheet No. 9-12.3)

Agreement: (Continued)

2. Amendment to Solar*Rewards Customer Contract. (Continued)

2.a. (Continued) The rates, terms and conditions for sales and purchases of electricity, as referenced in the above tariffs, may be changed over the time this Contract is in force, due to actions of the Company or of the Commission, and Customer and Company agree that sales and purchases will be made under the rates in effect each month during the time this Contract is in force. However, the incentive payment discussed in Section 3(b) below shall remain the same for 10 years. At any time after making its initial election, the Customer can change this election to another rate code for which the Customer qualifies by calling the Company or by confirming the change through email communication with the Company. If the Customer no longer qualifies for its designated rate code, the Company will provide notice to the Customer and Customer will no longer be able to be on a rate code for which the Customer does not qualify

2.b. Customer will pay a monthly metering charge under the Company tariff elected by the Customer, and according to meter installation requirements in Section 5b. The monthly metering charge pays for the cost and installation of a bi-directional meter at the Service Address which measures electricity delivered by the Company to the Customer and energy received by the Company from the Customer, and the associated billing, operating and maintenance expenses. The metering charge may be changed over the time this Contract is in force, due to actions of the Company or of the Commission, and Customer and Company agree that the metering charge will be under the rates in effect each month during the time this Contract is in force.

b. The following provisions are inserted on Sheet 9-49.01 in place of the above removed paragraphs:

2.a. During this Contract, the Customer or Customer's tenant will be receiving retail electrical service from the Company at the above address. The term "Customer" as used in this Contract shall mean the Customer's tenant where in context that term is used to mean the person or entity receiving retail electrical service at the above address.

Company will buy electricity generated by the PV System from Customer under the applicable Company rate schedule filed with the Commission and under the applicable Net Metering rate code that the Customer qualifies for as designated by the Customer under the Uniform Statewide Contract. Alternatively, the tenant(s) may simply contact the Company to select the applicable rate code for the net metering without the need to sign the Uniform Statewide Contract, although the provisions of the Uniform Statewide Contract will apply to the PV System as though it were signed. The A50 or 60 net metering rate code applies (if available) if the tenant has not selected any different available net metering rate code. The provisions of the Uniform Statewide Contract will no longer apply to a specific tenant once that tenant moves out. There must be a signed MN DIA in place to keep the PV System interconnected. C

CERTIFICATE OF SERVICE

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

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

xx electronic filing

DOCKET NOS. E002/M-23-524
E002/M-25-394

Dated this 17th day of October 2025

/s/
_____
Christine Marquis
Regulatory Administrator

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
1	Michael	Allen	michael.allen@allenergysolar.com	All Energy Solar		721 W 26th st Suite 211 Minneapolis MN, 55405 United States	Electronic Service		No	23-524Official
2	Mara	Ascheman	mara.k.ascheman@xcelenergy.com	Xcel Energy		414 Nicollet Mall Fl 5 Minneapolis MN, 55401 United States	Electronic Service		No	23-524Official
3	Sasha	Bergman	sasha.bergman@state.mn.us		Public Utilities Commission		Electronic Service		No	23-524Official
4	Matthew	Brodin	mbrodin@allete.com	Minnesota Power		30 West Superior Street Duluth MN, 55802 United States	Electronic Service		No	23-524Official
5	Rachel	Bryant	rachel.bryant@gridx.com	GridX		14055 W Amherst Ave Lakewood CO, 80228 United States	Electronic Service		No	23-524Official
6	Mike	Bull	mike.bull@state.mn.us		Public Utilities Commission	121 7th Place East, Suite 350 St. Paul MN, 55101 United States	Electronic Service		Yes	23-524Official
7	James	Canaday	james.canaday@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	Suite 1400 445 Minnesota St. St. Paul MN, 55101 United States	Electronic Service		No	23-524Official
8	Olivia	Carroll	oliviac@cubminnesota.org	Citizens Utility Board of Minnesota		332 Minnesota St W1360 St. Paul MN, 55101 United States	Electronic Service		No	23-524Official
9	John	Coffman	john@johncoffman.net	AARP		871 Tuxedo Blvd. St, Louis MO, 63119-2044 United States	Electronic Service		No	23-524Official
10	Generic	Commerce Attorneys	commerce.attorneys@ag.state.mn.us		Office of the Attorney General - Department of Commerce	445 Minnesota Street Suite 1400 St. Paul MN, 55101 United States	Electronic Service		Yes	23-524Official
11	James	Denniston	james.r.denniston@xcelenergy.com	Xcel Energy Services, Inc.		414 Nicollet Mall, 401-8 Minneapolis MN, 55401 United States	Electronic Service		No	23-524Official
12	John	Farrell	jfarrell@ilsr.org	Institute for Local Self-Reliance		2720 E. 22nd St Institute for Local Self-Reliance Minneapolis MN, 55406 United States	Electronic Service		No	23-524Official
13	Sharon	Ferguson	sharon.ferguson@state.mn.us		Department of Commerce	85 7th Place E Ste 280 Saint Paul MN, 55101-2198 United States	Electronic Service		No	23-524Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
14	Kim	Havey	kim.havey@minneapolismn.gov	City of Minneapolis		350 South 5th Street, Suite 315M Minneapolis MN, 55415 United States	Electronic Service		No	23-524Official
15	Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association		4300 220th St W Farmington MN, 55024 United States	Electronic Service		No	23-524Official
16	Michael	Hoppe	lu23@ibew23.org	Local Union 23, I.B.E.W.		445 Etna Street Ste. 61 St. Paul MN, 55106 United States	Electronic Service		No	23-524Official
17	Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law		2950 Yellowtail Ave. Marathon FL, 33050 United States	Electronic Service		No	23-524Official
18	Richard	Johnson	rick.johnson@lawmoss.com	Moss & Barnett		150 S. 5th Street Suite 1200 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official
19	Sarah	Johnson Phillips	sjphillips@stoel.com	Stoel Rives LLP		33 South Sixth Street Suite 4200 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official
20	Dan	Juhl	in.another.account.info@juhlenergy.com	Juhl Energy Inc.		1502 17th St SE Pipestone MN, 56164 United States	Paper Service		No	23-524Official
21	Mark	Kresowik	mkresowik@aceee.org	American Council for an Energy-Efficient Economy		529 14th St NW, Suite 600 Washington DC, 20045 United States	Electronic Service		No	23-524Official
22	Peder	Larson	plarson@larkinhoffman.com	Larkin Hoffman Daly & Lindgren, Ltd.		8300 Norman Center Drive Suite 1000 Bloomington MN, 55437 United States	Electronic Service		No	23-524Official
23	Kavita	Maini	kmaini@wi.rr.com	KM Energy Consulting, LLC		961 N Lost Woods Rd Oconomowoc WI, 53066 United States	Electronic Service		No	23-524Official
24	Christine	Marquis	regulatory.records@xcelenergy.com	Xcel Energy		414 Nicollet Mall MN1180-07-MCA Minneapolis MN, 55401 United States	Electronic Service		No	23-524Official
25	Mary	Martinka	mary.a.martinka@xcelenergy.com	Xcel Energy Inc		414 Nicollet Mall 7th Floor Minneapolis MN, 55401 United States	Electronic Service		Yes	23-524Official
26	David	Moeller	dmoeller@allete.com	Minnesota Power			Electronic Service		No	23-524Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
27	Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP		33 South Sixth St Ste 4200 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official
28	David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency		220 South Sixth Street Suite 1300 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official
29	Logan	O'Grady	lograd y@mnseia.org	Minnesota Solar Energy Industries Association		2288 University Ave W St. Paul MN, 55114 United States	Electronic Service		No	23-524Official
30	Carol A.	Overland	overland@legalectric.org	Legalectric - Overland Law Office		1110 West Avenue Red Wing MN, 55066 United States	Electronic Service		No	23-524Official
31	Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	1400 BRM Tower 445 Minnesota St St. Paul MN, 55101-2131 United States	Electronic Service		Yes	23-524Official
32	Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy		26 E Exchange St, Ste 206 St. Paul MN, 55101-1667 United States	Electronic Service		No	23-524Official
33	Kahryn	Riley	kahryn.riley@uplight.com	Uplight		Junction Pl Boulder CO, 80301 United States	Electronic Service		No	23-524Official
34	Joseph L	Sathe	jsathe@kennedy-graven.com	Kennedy & Graven, Chartered		150 S 5th St Ste 700 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official
35	Peter	Scholtz	peter.scholtz@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	Suite 1400 445 Minnesota Street St. Paul MN, 55101-2131 United States	Electronic Service		No	23-524Official
36	Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates		7400 Lyndale Ave S Ste 190 Richfield MN, 55423 United States	Electronic Service		Yes	23-524Official
37	Ken	Smith	ken.smith@districtenergy.com	District Energy St. Paul Inc.		76 W Kellogg Blvd St. Paul MN, 55102 United States	Electronic Service		No	23-524Official
38	Peggy	Sorum	peggy.sorum@centerpointenergy.com	CenterPoint Energy		505 Nicollet Mall Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official
39	Byron E.	Starns	byron.starns@stinson.com	STINSON LLP		50 S 6th St Ste 2600 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
40	Lauren	Steinhaeuser	lauren.steinhaeuser@xcelenergy.com	Northern States Power Company dba Xcel Energy		414 Nicollet Mall, 401-08 Minneapolis MN, 55401 United States	Electronic Service		No	23-524Official
41	Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine		225 South Sixth Street, Suite 3500 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official
42	Mariko	Yatsuhashi	myatsuhashi@mncee.org	Center for Energy and Environment		212 N 3rd Ave Suite 560 Minneapolis MN, 55404 United States	Electronic Service		No	23-524Official
43	Kurt	Zimmerman	kwz@ibew160.org	Local Union #160, IBEW		2909 Anthony Ln St Anthony Village MN, 55418-3238 United States	Electronic Service		No	23-524Official
44	Patrick	Zomer	pat.zomer@lawmoss.com	Moss & Barnett PA		150 S 5th St #1200 Minneapolis MN, 55402 United States	Electronic Service		No	23-524Official