414 Nicollet Mall
Minneapolis, MN 55401

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August 14, 2025

—Via Electronic Filing—

Mike Bull
Acting Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

RE: COMPLIANCE FILING
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

Dear Mr. Bull:

Northern States Power Company, doing business as Xcel Energy, submits to the Minnesota Public Utilities Commission the enclosed Compliance Filing in compliance with the Commission's May 15, 2025 Order. The Commission's Order requires the Company to file a Compliance Filing about our upcoming Residential TOU Rate within 90 days from the date of the Order.

Portions of Attachment B are marked "Not-Public" as they contain information the Company considers to be trade secret data as defined by Minn. Stat. § 13.37(1)(b). The information contains confidential forecast data that derives an independent economic value from not being generally known or readily ascertainable by others who could obtain economic value or a financial advantage from its disclosure or use. The Company takes efforts to protect this information from public disclosure. Thus, Xcel Energy excises this information as protected data pursuant to Minn. Rule 7829.0500.

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

Enclosure
cc: Service List

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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 NO. E002/M-23-524 **COMPLIANCE FILING**

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy (Company), submits to the Minnesota Public Utilities Commission (Commission) this Compliance Filing in compliance with the Commission's May 15, 2025 Order. The Commission's Order requires the Company to submit a Compliance Filing about our upcoming Residential Time-of-use (TOU) Rate within 90 days from the date of the Order.

As outlined in the Commission's May 15, 2025 Order, this Compliance Filing provides information about our plan to implement the rate and the activities we will pursue to help interested customers to be informed of the rate and empower them with the knowledge to be successful on the rate. The information contained in this Compliance Filing includes the following:

- *Implementation Plan*, including the timing of implementation, customer enrollment process, space heating rates, the integration of net metering customers, and the tools that will be available to customers
- *Marketing, Education, and Outreach*, including our communication plan, customer care training, engagement with various customer groups, marketing of space heating rates, and the cost of our communication plan
- *Proposed Tariff Changes*
- *Implementation Budget and Cost Recovery*
- *Proposed Reporting Requirements*

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To aid in review of this Compliance Filing, the Company provides a Compliance Matrix as Attachment A. The attachment sets forth the requirements for this filing as defined in the Commission's May 15, 2025 Order and directs readers to the part of the filing that addresses each requirement.

COMPLIANCE FILING

I. IMPLEMENTATION PLAN

The information in this section is provided in response to the first part of Order Point 12a of the Commission's May 15, 2025 Order, which requires the Company to file:

> *An implementation plan ….*[1]

The Company is preparing to launch TOU rates in mid-2026. Key aspects of our implementation plan include:

- Setting up the three-part rate in the billing system.
- Developing tools to analyze rate options and provide customers with a self-service enrollment option. A rate comparison tool will be available along with the TOU rate launch to allow customers to compare energy bills under different rate options using their own energy usage profile. Customers choosing to enroll in TOU will have the option to submit the request online.
- Creating a robust set of marketing and education resources that include channels like email, direct mail, on-bill messaging, website content, paid advertising and community events.
- Developing targeted outreach, with focused messaging to eligible customers, community organizations, and trade partners. This outreach will include specific messaging for customers who remained on the TOU Pilot rate to educate them about their options.
- Establishing methods to track and report key metrics relative to the TOU rate. These include items such as participation, peak impact, load shifting, and consumption, as well as customer experience.
- Undertaking customer research activities to understand core needs and inform messaging, educational materials, and the user experience within the Company's suite of digital tools.

[1] The discussion of proposed tariff changes are covered later in this Compliance Filing in Section III.

- Communicating with and training the Company's Contact Center staff to ensure they are familiar with the rate comparison tool and prepared to support customers with their rate transition should they choose to participate in TOU.

The rest of this section walks through the details of this implementation plan.

A. Timing of Rate Implementation

The information in this subsection is provided in response to Order Points 12d and 12e of the Commission's May 15, 2025 Order which requires the Company to file:

> *The timing of the cancellation of Xcel's existing time-of-use rate and the timing to transition existing time-of-use rate customers to Xcel's revised time-of-use rate, based on its August 16, 2024, filing*
>
> and
>
> *The plan to transition existing time-of-use rate customers to Xcel's revised time-of-use rate, as detailed in its August 16, 2024 filing.*

Given the extended procedural schedule, the proposed implementation timeline has been updated from the Company's most recent proposal to:

Q2 2025 – Commission Order approving rate design
Q3 2025 – Company presents communication and reporting plan in a Compliance Filing
Q3 2025-Q2 2026 – Stand up of billing and technical capabilities
Q1 2026 – Launch Rate Comparison Tool to customers on the MN Flex Pricing Pilot Rate
Q4 2025-Q1 2026 – Communications with residential customers on current TOU rates to provide notice and preparation for the rate change.
Q2 2026 – New TOU rate replaces existing residential TOU rate and Rate Comparison Tool becomes available to all eligible MN customers
Q2-Q3 2026 – Test targeted communication approaches.
Q4 2026-Q1 2027 – Active marketing begins to seek additional voluntary enrollments
Q1 2027 - Garner feedback with customers transitioned to newly approved TOU rates.

Since the Company will utilize the existing pilot rate codes, TOU pilot customers will automatically be transitioned to the new rate when it is launched. The Company will

communicate with those customers ahead of that transition. Our communication strategy is discussed in greater detail later in this filing.

B. Customer Enrollment

This subsection provides a discussion of our planned customer enrollment process. In addition, we provide information in response to Order Point 11g of the Commission's May 15, 2025 Order, which requires the Company to file:

> *The potential for automatic enrollment options.*

As stated above, TOU pilot customers will automatically be transitioned to the new rate when it is launched. Customers will be able to review their rate options through their Xcel Energy MyAccount portal (web and mobile), leveraging the Rate Comparison Tool to understand the financial impacts of each rate option available to them. From this comparison tool experience, if a customer wishes to change from the rate they are currently on, they will be able to do so using self-service functionality within the MyAccount portal. For customers who would rather use our Contact Center, our agents will work with customers to initiate the change request.

C. Space Heating Rates

This subsection provides a discussion of our process to implement space heating rates as a part of the Residential TOU Rate roll-out. In addition, we provide information in response to Order Point 12b which requires the Company to file:

> *Clarification of, if applicable, the transition of existing space heating customers to Xcel's revised one-period and time-of-use space heating rate.*

The revised space heating rate took effect on June 1, 2025. The approximately 50,000 customers currently on the electric space heating rate will automatically receive the updated rate beginning on October 1, 2025, the start of the heating season.

Customers who primarily rely on electric space heating can enroll in the rate now. When the TOU rate launches, customers who choose to enroll will also have the option to select the space heating rate. The eligibility requirements for the space heating rate will remain the same. The new space heating rate will offer lower rates to customers during the heating season from October to May. The space heating rate option under the TOU rate does not vary between time periods and is equal to the space heating rate under the one-period residential rate that has already been

launched. We will discuss the pricing for the space heating rates in greater detail later in this Compliance Filing.

The Company will undertake an ongoing marketing campaign for the space heating rates. The Company will establish an annual process to contact customers who received a rebate for a ducted heat pump through one of our customer programs but are not currently on the space heating rate. The Company will also incorporate opportunities for enrollment into the space heating rate during the heat pump rebate process. We will discuss the marketing of the space heating rate in greater detail later in this Compliance Filing.

D. Net Metering Customers

In this subsection, we discuss net metering customers and the TOU rate. Specifically, we will discuss the implementation of time-varying compensation under our Sale to Company After Customer Self-Use[2], Monthly Net Metering[3], and Annual Net Metering (kWh Banking Option)[4] net metering tariffs. In addition, we will discuss a proposal for a new methodology to calculate the pricing for our Excess Generation-Average Retail Utility Energy Service net metering tariff.[5] Finally, we provide a discussion of the intersection of our space heating rates and the net metering tariffs. The Company will file rates for these offerings annually with our Cogeneration and Small Power Production Report and Petition. Attachment B includes the details we propose to add to the report to support the calculation of the TOU net metering rates.

1. Time-varying Pricing for Rate Codes A57, A58, and A59

The information in this section is provided in response to Order Point 7 of the Commission's May 15, 2025 Order which states:

> *The Commission approves Xcel's proposed new A57 (Sale to Company after Customer Self-Use), A58 (Monthly Net Metering), and A59 (Annual Net Metering (kWh Banking Option)) rates, subject to a compliance filing, included in its 90-day Compliance Plan, that contains the proposed rate calculation.*

[2] Rate Code A57, Section No. 9, Sheet No. 3 of our Minnesota Electric Rate Book
[3] Rate Code A58, Section No. 9, Sheet No. 4 of our Minnesota Electric Rate Book
[4] Rate Code A59, Section No. 9, Sheet No. 4.2 of our Minnesota Electric Rate Book
[5] Rate Code A60, Section No. 9, Sheet No. 2 of our Minnesota Electric Rate Book

The Company has calculated the pricing for these rate codes in compliance with the Commission order to align it with our Residential TOU rate time periods and with the appropriate compensation rates. Table 1 below shows the calculated compensation rates for the rate codes. Greater details about the specific tariff modifications required to implement these are discussed later in this filing in Section III.C.

Table 1
Proposed Compensation Rates – Rate Codes A57, A58, and A59
(Payment for Energy Delivered to Company in $ per kWh)

Rate Codes A57 and A58	**October – May**	**June – September**
On-Peak	$0.04048	$0.04314
Mid-Peak	$0.03372	$0.03532
Off-Peak	$0.02220	$0.01973
Capacity Payment for Firm Power per On-Peak kWH	$0.03049	$0.24136
Rate Code A59	**Annual**	
On-Peak	$0.04146	
Mid-Peak	$0.03431	
Off-Peak	$0.02129	
	October – May	**June - September**
Capacity Payment for Firm Power per On-Peak kWH	$0.03049	$0.24136

2. Excess Generation-Average Retail Utility Energy Service Methodology (Rate Code A60)

The information in this section is provided in response to Order Point 4 of the Commission's May 15, 2025 Order which states:

> *Xcel must propose a revised methodology for solar customers to participate in the time-of-use rate and a compensation rate that complies with Minn. Stat. § 216B.164, subd. 3(d) and Minn. R. 7835.0100, subp. 2a, with its 90-day Compliance Plan. The revised option should simplify the netting methodology in Xcel's initial proposal and provide an explanation of how the methodology complies with Minn. Stat. 216B.164, subd. 3(d) and Minn. R. 7835.0100, subp. 2a.*

The Company is proposing new Excess Generation-Average Retail Utility Energy Service, Rate Code A60 for Residential net-metering customers (including solar and other generation sources) who receive Residential Time of Use retail electric service. We propose to use the same methodology currently applied in Schedule C of the

Cogeneration and Small Power Production annual report[6] for Excess Generation-Average Retail Utility Energy Service (Rate Code A50) but use only Residential Time of Use Service billing data for the calculations.[7] This methodology complies with the requirements of Minn. R. 7835.0100, subp. 2a and Minn. Stat. 216B.164, subd. 3(d) that require the use of average retail utility energy rates for qualifying facilities having less than 40-kilowatt capacity.

Table 2 below shows the calculated compensation rates for the tariff using billing data from the same time period as our current Excess Generation-Average Retail Utility Energy Service (Rate Code A50) rates. Greater details about the specific tariff modifications required to implement this new methodology are discussed later in this filing in Section III.C.

Table 2
Proposed Compensation Rates – Rate Code A60
(Payment for Energy Delivered to Company in Excess of Energy Used in $ per kWh)

Rate Code A60	October – May	June – September
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

Table 3 is an illustrative example that shows the comparison of a hypothetical summer-month Residential net-metering customer bill under the existing one-period rates and the three-period TOU rates proposed in this compliance filing.

[6] Docket No. E999/PR-25-9, REPORT AND PETITION (January 2, 2025).
[7] At this time, the Company does not have sufficient billing data for non-Residential TOU customers to propose Excess Generation-Average Retail Utility Energy Service rates for non-Residential TOU customers.

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Table 3
Hypothetical Residential Summer-Month Bill Comparison

				Three-Period TOU			
		One-Period		On-peak	Mid-peak	Off-peak	Total
Consumption (kWh)	a	805		105	550	150	805
Generation (kWh)	b	800		5	795	0	800
Net Consumption/ (Generation) (kWh)	c=a-b	5		100	(245)	150	5
Energy Charge Rate ($/kWh)[8]	d	$0.13069		$0.21329	$0.13468	$0.07479	
Energy Deliver Payment Rate ($/kWh)[9]	e	$0.17408		$0.31582	$0.15214	$0.07902	
Energy Charge	If c>0, f=c*d	$0.65		$21.33	$0.00	$11.22	$32.55
Energy Deliver (Payment)	If c<0, g=c*e	$0.00		$0.00	($37.27)	$0.00	($37.27)
Total	h=f+g	**$0.65**		$21.33	($37.27)	$11.22	**($4.73)**

3. Intersection of Space Heating Rates and Net Metering Rates

The information in this section is provided in response to Order Point 12c of the Commission's May 15, 2025 Order which requires the Company to file:

> *Clarification of the intersection of the space heating and net metering rates prior to offering these rate options.*

Customers with onsite solar generation participating in a net metering tariff who also qualify for the space heating rate will be allowed to take service under the new residential TOU space heating rate.

The space heating rate and net metering tariffs are independent of one another, and do not have a direct interaction with one another. For all net metering customers participating in a TOU rate, including those on the space heating rate, the comparison of on-site generation and energy consumption will be done in the comparable TOU

[8] Energy Charge Rates – A01/A03 rate for one-period, A72/A74 rates as proposed in this filing for three-period TOU
[9] Energy Delivery Payment Rates – A50 rate for one-period, A60 rates as proposed in this filing for three-period TOU

periods. As such, on-peak on-site generation will be netted against on-peak energy consumption, off-peak on-site generation netted against off-peak energy consumption, and mid-peak on-site generation netted against mid-peak energy consumption. This is done in the same manner regardless of whether the customer is or is not on the space heating rate.

For situations where energy consumption is greater than on-site energy production, then the remaining energy consumption will be billed using the space heating rate, based on the time period the net energy consumption occurred. Conversely, for situations where on-site energy production is greater than energy consumption, the excess generation will be compensated based on the net metering rate tariff the customer has selected.[10]

The Company provides Table 4 below with three simplified examples of the results of three scenarios for a net metering and space heating customer.

Table 4
Net Metering and Space Heating Rate Examples

	Time Period	Energy Consumption	Solar Production	Billing Result
Example 1 Net Consumption	On-Peak	150 kWh	100 kWh	**Billed via Space Heating Rate (50 kWh On-Peak and 200 kWh Off-Peak)**
	Off-Peak	200 kWh	0 kWh	
	Mid-Peak	300 kWh	300 kWh	
Example 2 Net Production	On-Peak	0 kWh	100 kWh	**Compensation via Net Metering Tariff (100 kWh)[11]**
	Off-Peak	0 kWh	0 kWh	
	Mid-Peak	300 kWh	300 kWh	
Example 3 Net Zero	On-Peak	150 kWh	150 kWh	**No Energy Charge or Compensation**
	Off-Peak	0 kWh	0 kWh	
	Mid-Peak	300 kWh	300 kWh	

E. Availability of Customer Tools

As we saw during the Residential TOU Rate Pilot, customers who were highly engaged and informed of their bill and energy usage were more successful on the TOU rate, seeing more bill savings and showing higher peak impacts. To that effect and in combination with our marketing, education, and outreach efforts, which will be discussed later, the Company has several tools available or in development that will

[10] Options include Rate Codes A50, A57, A58, and A59.
[11] Compensation will vary depending on chosen net metering tariff.

provide customers with greater detail on their energy usage providing useful information on their specific energy profile.

Customers will be able to access tools through MyAccount, accessible on both our Company website and the Xcel Energy mobile application. The Bill Factors Tool is already available to customers and provides a picture of how cost drivers impact a customer's bill. It presents factors such as weather, days in billing cycle, usage, and base rate.

The Company is in the process of developing a Rate Comparison Tool. This tool will allow customers to compare energy bills under different rate options tailored to their specific energy usage profile. We believe this tool will be a powerful way to inform customers about the impact of TOU rates and help them make rate decisions.

The Rate Comparison Tool will be available to customers on the current TOU pilot rate (MN Flex Pricing Pilot) in the first quarter of 2026 as part of the targeted communication to this group. The tool will be more widely available in the 2nd quarter of 2026 in coordination with the launch of the TOU rate. The Rate Comparison Tool will provide customers with a cost-based comparison of their bill on a rate other than what they are currently enrolled in. If a customer wishes to change to a different rate for which they are eligible, they may initiate that request digitally within the tool or connect with the Contact Center.

The first refresh of the Rate Comparison Tool, expected to be delivered sometime in the 3rd Quarter of 2026 will incorporate new functionality. Customers will be able to use the tool to simulate the financial impact and potential savings from moving usage to lower cost times.

As customers use the Rate Comparison Tool, the Company will gather customer feedback leveraging user experience research and design best practices. The Company will use this information to iterate and improve the Rate Comparison Tool experience to serve customer needs.

In addition to the Rate Comparison Tool, the Company will also be adding new features to the mobile app for customers with smart meters. These features will allow customers 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. We expect this functionality to be available sometime in the 4th quarter of 2025.

1. Cost and Timeline for Implementing Bill Protections

The information in this section is provided in response to Order Point 12f of the Commission's May 15, 2025 Order which requires the Company to file:

> *The cost of bill protections and a timeline for preparing its system to offer those protections.*

The Company estimates the cost to develop bill protection functionality for our systems to be more than $2 million and to take approximately two years to implement. This is a high-level estimate based on previous information technology and billing projects completed by the Company. As the rate approved by the Commission does not include the implementation of a bill protection mechanism, the Company has not undertaken a full scoping of such a mechanism to the level of detail that would support actual implementation.

2. Implementing an Application for "Shadow Billing"

The information in this section is provided in response to Order Point 12g of the Commission's May 15, 2025 Order which requires the Company to file:

> *Clarify whether an application could be developed that would use information from the billing system or directly from the meters itself that could be included as a link in customer bills, rather than having the information appear directly on the bill. Include information from any request for information Xcel may issue exploring existence of developers that offer this kind of application.*

The Company has explored the possibility of developing an external application that would use data from our billing system or customer meters to provide "shadow billing" through a link, rather than displaying this information directly on the bill.

We have confirmed that it is technically feasible to include links on customer bills. However, due to strict security protocols designed to protect customer privacy, any such link must direct customers to the secure *My Account* sign-in or registration page. Once logged in, customers can access a variety of tools, including the Rate Comparison Tool, which allows them to evaluate different rate options.

After careful consideration, the Company does not recommend developing a separate application outside of our billing system for this purpose. Recreating rate calculations—including taxes, fees, and riders—in an external tool would be highly complex and prone to inaccuracies, especially given how frequently these components change. This could result in outdated or misleading information for customers.

For customers who prefer not to conduct a rate analysis themselves, our Contact Center is available to assist. A representative can perform the analysis on their behalf and help determine whether a TOU rate is a good fit. Our Customer Care agents will be given a tool that mirrors the Rate Comparison Tool experience to help a customer who reach out to Customer Care, to understand the impacts of the TOU rate upon their bill.

The Company will perform a request for information (RFI) to gather information on the feasibility and cost of implementing "shadow billing" in the future. In compliance with Order Point 10 of the Commission's May 15, 2025 Order, the results of the RFI will be included in the first annual report for the Residential TOU rate, to be filed 15 months after the rate launch.

II. MARKETING, EDUCATION, AND OUTREACH PLAN

This section provides the details of our planned marketing, education, and outreach (ME&O) that will be undertaken to support the successful implementation of our Residential TOU rate. The Company recognizes that customer education and engagement are critical to the success of the TOU rate. Accordingly, this plan is designed to ensure that all residential customers receive clear, actionable, and relevant information about the rate. The plan will also promote tools and provide education resources to help customers evaluate their rate options and make informed decisions.

Within this section we will provide the following details on our ME&O plan:

- Planned Communications
- Plan Timeline
- Customer Care Training
- Engaging with Underrepresented Communities
- Marketing Space Heating Rates
- Outreach to Net Metered Customers and Stakeholders
- Cross-marketing TOU Rates with ECO Programs
- Plans to Examine Communications and Messaging
- Marketing, Education, and Outreach Estimated Costs

We believe that the efforts set forth in the following sections will help facilitate a smooth transition to the TOU rate and support long-term customer satisfaction and the potential for bill savings for customers.

A. Planned Communications

The information in this subsection is provided in response to Order Points 11a and 11i of the Commission's May 15, 2025 Order which requires the Company to describe:

> *What customer communications will look like and what form they will take (emails, mailers, notices on customer bills, etc.)*
>
> and
>
> *How digital, non-digital, and paired marketing, education, and outreach approaches will be leveraged and for which customer segments and/or geographies those messages will be deployed.*

1. Communication Channels

The Company will implement a comprehensive, multi-channel communication strategy to support the rollout of the residential TOU rate. This strategy is designed to ensure that all customers receive timely, clear, and actionable information about the TOU rate and its potential benefits. Communications will be tailored by customer groups when possible and will leverage digital and non-digital approaches to maximize reach and effectiveness. In some cases, customer groups may receive both digital and non-digital paired communications to increase message penetration and recall.

The Company will leverage both digital and non-digital communication channels. The Company anticipates using the following communication channels:

- **Digital Channels**
  - Email
  - Xcel Energy website and *MyAccount* portal
  - Paid advertisements (social media, display networks, online videos, search engine marketing)
  - Digital on-bill messaging
- **Non-Digital Channels**
  - Direct mail
  - Printed on-bill messaging
  - Community events
  - Radio
  - Out-of-home advertisements

The Company provides examples of what our communications will look like as Attachment C.

2. Messaging Strategy

The Company will focus our communication strategy on several core themes, including the following:

- **Customer Choice**: Emphasizing that the TOU rate is voluntary, and customers can opt in or out.
- **Bill Savings**: Highlighting opportunities to reduce bills by shifting energy usage to off-peak periods.
- **Energy Awareness**: Educating customers on when and how they use electricity.
- **Environmental Impact**: Connecting TOU participation to broader clean energy goals.

3. Customer Types and Targeting

Gathering information about customers, consistent with our privacy policy, may allow the Company to identify specific customer characteristics to better target our communication effort. As a part of that effort, the Company may group customers based on:

- Historical usage patterns
- Digital engagement levels
- Historical utility program participation

These customer groups may inform the content and delivery methods of communication. For example, customers with high evening usage may receive targeted messages about shifting usage to off-peak hours.

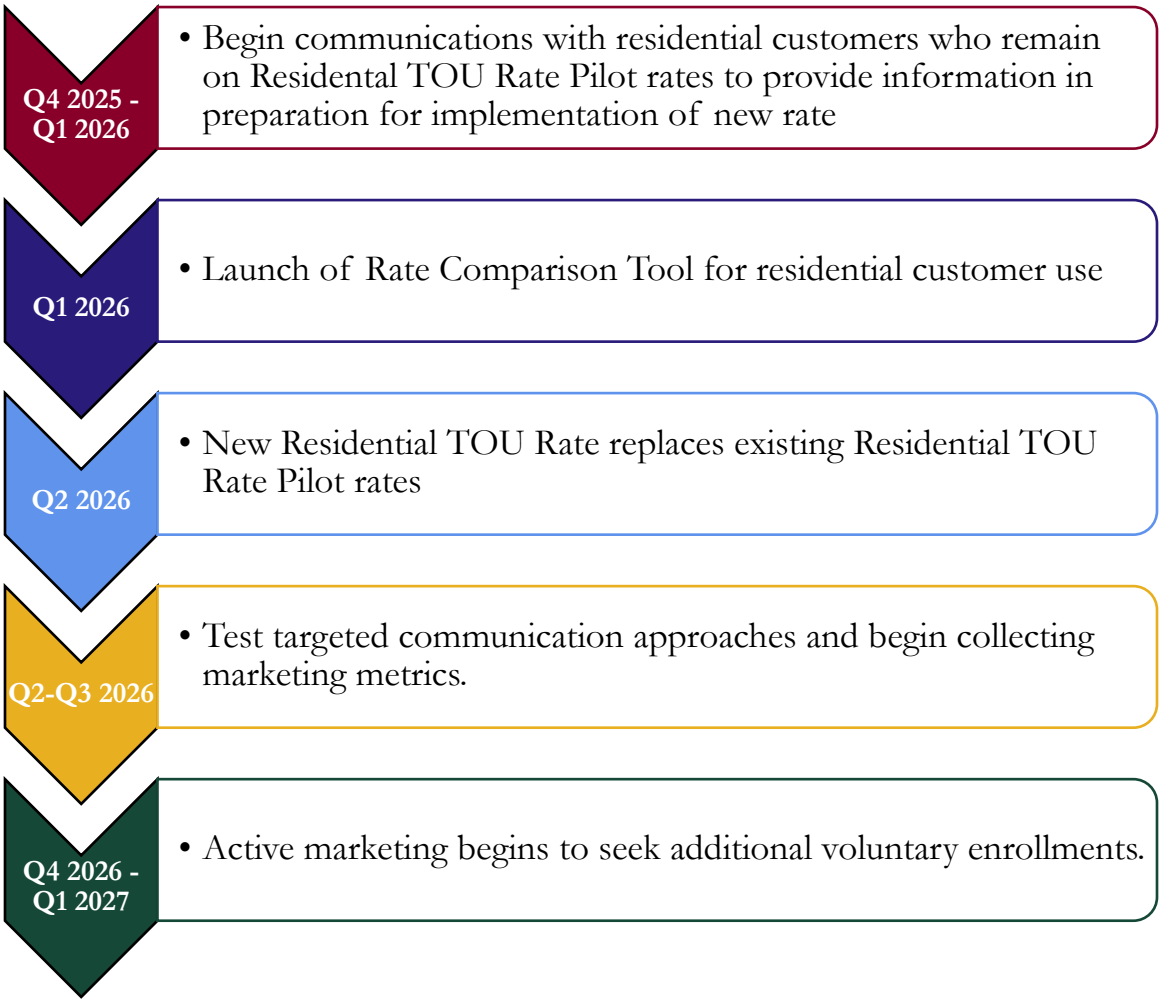
B. Plan Timeline

The information in this section is provided in response to Order Point 11d of the Commission's May 15, 2025 Order which requires the Company to describe:

The timeline of when each step or communication strategy will be implemented.

Figure 1 below shows the timeline we will follow for our Communication plan, starting later this year and going until early 2027 when long-term active marketing of the rate will begin.

Figure 1
Communication Plan Timeline



C. Customer Care Training

The information in this section is provided in response to Order Point 11c of the Commission's May 15, 2025 Order which requires the Company to describe:

> *Xcel's consideration of additional customer-support staff training to ensure employees are well prepared to answer questions about the new rate.*

Staff training is essential to providing a seamless customer experience. Training of our customer service staff is delivered both in-person and through virtual training, including short video segments highlighting specific topics. The e-learning modules include knowledge checks to ensure agents understand the course materials.

The Company's current curriculum covers rate options and available rebates. It will be expanded to include an introduction of the TOU rate including basics of the rate design and instructions on where customers can go within *MyAccount* or the Mobile app to further understand the detailed nuances of their energy usage.

Agents will be trained to support customers using digital tools and will have access to a version of these tools to perform rate comparisons and assist with rate selection. A comprehensive set of resources, including job aids, reference materials, and frequently asked questions (FAQs), will enable agents to answer questions, conduct rate analyses and changes, and guide customers through self-service options.

D. Engaging with Underrepresented Communities

The information in this section is provided in response to Order Point 11e of the Commission's May 15, 2025 Order which requires the Company to describe:

> *Xcel's plan to engage and communicate with customers who are traditionally underrepresented in energy-decision making, including communities of color and low-income communities.*

Engaging with traditionally underrepresented communities, such as communities of color and low-income customers, is a critical component of the ME&O Plan. Below we outline the strategies and initiatives designed to ensure these communities are informed, supported, and empowered to participate in the new rate structure.

Engagement Strategies, Language, and Cultural Considerations

- **Community Partnerships**: Collaborating with local organizations and community leaders to build trust and facilitate outreach.
- **Multilingual Communications**: Providing information in multiple languages to ensure accessibility for non-English speaking customers.
- **Culturally Relevant Messaging**: Tailoring messages to resonate with the cultural values and experiences of different communities.
- **Inclusive Events**: Hosting community events in accessible locations and at convenient times to encourage participation.

By implementing these strategies, the ME&O Plan aims to ensure that underrepresented communities have the information they need to make an informed decision about their participation in the 2025 Minnesota TOU Residential Rate Program.

E. Marketing Space Heating Rates

The updated one-period space heating rate is currently available to customers who use electric space heating equipment as the primary heating source for their entire home. It will also be available to customers who enroll in the Residential TOU Rate once it is available.

With continued growth in the electrification of space heating options, we believe this new rate will make electrification an attractive choice for customers. To ensure customers are aware of the rate, we will dedicate marketing of the rate to potential customers. Our marketing focus will promote the space heating rate to customers, contractors, and distributors. We will leverage relationships with trade partners, local governments, other community-based organizations, and our internal staff. Information about the electric space heating rate will also be promoted with the overall Energy Conservation and Optimization (ECO) portfolio of programs via the website, program literature, newsletters, marketing campaigns and events.

In this section we will discuss our plan to market our space heating rate and highlight the activities we will undertake. Specifically, we cover the following topics related to marketing the space heating rates to:

- Customers Considering a Heat Pump Purchase
- Heat Pump Contractors and Distributors
- Local Governments and Organizations with Complementary Programs, and
- Educating Xcel Energy Employees and Contractors

1. Marketing to Customers Considering a Heat Pump Purchase

The information in this section is provided in response to Order Points 3a and 3b of the Commission's May 15, 2025 Order, which requires the Company to:

> *Develop a process to actively facilitate enrollment in the electric space heating rates for customers that receive an air source heat pump through the Energy Conservation and Optimization Rider.*
>
> and
>
> *Incorporate customer education and awareness of the residential electric space heating rates into customer communications for heat pump rebates to show the full value proposition of installing an air source heat pump.*

The Company has marketing, education and awareness campaigns supporting heat pumps as part of the Heat Pump Rebate program within the ECO program. Topics include: the benefits of installing a heat pump, available incentives, and how to receive a rebate.

Information about the electric space heating rate will be added to these campaigns and communicated as an additional benefit to installing a heat pump. Additionally, to help make heat pump installations more accessible for our customers, the Company offers rebates for electric panel upgrades, lowering another key barrier to adopting electric heat pumps. Information about the electric space heating rate will be included on the Heat Pump Rebate program web page as well as relevant heat pump program literature and applications. Customers will be able to use that information to aid in enrolling in the space heating rate.

The Company has a page on our website dedicated to our space heating rate. Customers will be able to find information about the rate, including space heating rate pricing.[12] In addition, the Company will also include information about the space heating rate on the page dedicated to heat pumps.[13] Attachment D provides a preview of what each page looks like.[14]

2. Heat Pump Contractors and Distributors

The information in this section is provided in response to Order Point 3d of the Commission's May 15, 2025 Order which requires the Company to include information about:

> *Provide educational resources to contractors to ensure appropriate sizing and switchover temperatures to optimize customer benefits.*

The Company recognizes that proper sizing and installation are critical to the performance of heat pumps. To ensure quality outcomes, heat pump rebates are only available to customers who work with an Xcel Energy registered contractor. These contractors are specially trained to perform quality installations to ensure the system runs efficiently and maintains comfortable temperatures.

Annual training for these contractors not only covers our rebate programs and the space heating rate, but also essential best practices such as duct sealing, proper sizing,

[12] Electric Space Heating | Residential Services | Xcel Energy
[13] Heat Pumps | Residential Services | Xcel Energy
[14] Provided in response to Order Point 3g of the Commission's May 15, 2025.

refrigerant charging, and switchover temperature settings, and how to match the system to the available air flow. Training is performed by industry experts.

3. Local Governments and Organizations with Complementary Programs

The information in this section is provided in response to Order Point 3c of the Commission's May 15, 2025 Order which requires the Company to include information about:

> *Ensure implementers of complementary programs, such as local government campaigns and future state air source heat pump rebates, are sent education about the new electric space heating rates and materials to promote the new rates.*

The Company will leverage our relationships with local governments to drive awareness of the space heating rate. Materials will be available through our web site, Community Relations Managers, and through the Company's Partners in Energy program.

Organizations offering complementary programs, such as the Home Electrification and Appliance Rebate program and the State of Minnesota's heat pump rebate program, both of which are under development, will also have access to space heating materials.

4. Educating Xcel Energy Employees and Contractors

The information in this section is provided in response to Order Point 3f of the Commission's May 15, 2025 Order which requires the Company to include information about:

> *Educate heat-pump staff, contractors, and customers with a broad range of topics, beyond new time-of-use rates, including electric heating systems that affect operating costs, such as system efficiency, rebate eligibility, proper sizing, and switch-over temperatures.*

The Company will enhance its educational initiatives to ensure internal staff and contractors involved in space heating efforts are well-informed of the new rate, enabling more effective implementation of related work. Like staff training for the TOU rate, trainings can be delivered in-person and virtually. The key messages of this education effort will focus on:

- Building awareness of the rate
- Describing the benefits of the rate

- Determining eligibility
- Explaining how to enroll customers in the rate

In addition to training, the Company currently offers a robust set of tools including job aids, reference materials and FAQs focused on electric space heating and heat pump rebates. These resources help staff quickly respond to customer inquiries and include guidance on rate structures, eligibility verification and performing rate changes for customers. The content will be updated and expanded to provide more in-depth content on the types of electric heating sources, applicable rebates for the different types of equipment, and how rate options make electric space heating systems, like heat pumps, more affordable.

F. Outreach to Net Metered Customers and Stakeholders

The information in this section is provided in response to Order Point 8 of the Commission's May 15, 2025 Order which requires:

> *Xcel must develop and perform targeted outreach to existing distributed generation rate customers on the existing A51 to A56 rate codes to inform them of the new rates and must include its outreach plan in its 90-day Compliance Plan. Prior to rate implementation, the Company must also hold a training for DER developers on the new rate options at a quarterly DER workgroup meeting.*

The Company will develop specific outreach materials for existing distribution generation customers – both customers on the standard retail rate and Time-Of-Day.

The marketing messages will be consistent with other TOU messaging - focusing on building awareness, explaining benefits, how to access and use the Rate Comparison tool, and how to enroll in TOU. It will also describe how the TOU production rates are calculated for customers who have distributed generation.

An informational session announcing the launch of the TOU rate, specifically tailored for distributed energy resources (DER) developers, will be integrated into a quarterly workshop in early 2026.

G. Cross-marketing TOU Rates with ECO Programs

The information in this section is provided in response to Order Point 3e of the Commission's May 15, 2025 Order which requires the Company to include information about:

Cross market time-of-use rates with ECO programs

The Company is committed to enhancing customer engagement and promoting energy efficiency through the cross-marketing of Residential TOU Rates and ECO programs.

Our cross-marketing strategy involves leveraging existing communication channels and campaigns to promote the benefits of TOU Rates alongside ECO programs. By highlighting the synergies between these initiatives, we aim to provide customers with comprehensive solutions that enhance energy efficiency and reduce costs.

H. Plans to Examine Communications and Messaging

The information in this section is provided in response to Order Point 11h of the Commission's May 15, 2025 Order which requires the Company to describe:

> *Plans or results of a messaging study that goes beyond customers likely to adopt a time-of-use rate.*

To support continuous improvement of the Company's outreach efforts and rate enrollment, communications and messages will be studied by evaluating available indicators. The Company will review marketing performance data, which may include metrics such as impressions, click-through rates and other engagement indicators from customers likely to adopt TOU rates, as well as those who are potentially less likely to adopt TOU rates, in order to identify the reach and resonance of its communications. This will inform the Company's understanding of which marketing approaches are most effective.

This evaluation of communications and messages will be used to inform potential refinements to future outreach efforts. While specific modifications will be determined based on the results of the communications review, the Company anticipates that findings may guide adjustments to message content, delivery channels, and audience targeting strategies. This is intended to support continuous improvement in customer communications and to ensure that outreach efforts remain responsive to customer needs and preferences.

I. Marketing, Education, and Outreach Estimated Costs

The information in this section is provided in response to Order Point 11b of the Commission's May 15, 2025 Order which requires the Company to provide:

Detailed cost estimates for each feature in Xcel's proposed outreach plan

The Company expects to begin incurring costs related to ME&O later in 2025, with costs ramping up starting in 2026. Table 5 below provides a detailed estimate of our ME&O efforts from 2025 through 2030.

Table 5
ME&O Estimated Costs

	2025	2026	2027	2028	2029	2030
Creative Development/ Management	$100,000	$250,000	$150,000	$250,000	$150,000	$150,000
Digital Advertising	0	425,000	450,000	250,000	350,000	200,000
Traditional Advertising	0	425,000	300,000	200,000	150,000	100,000
Events	0	10,000	10,000	10,000	10,000	10,000
Direct Mail	0	800,000	750,000	600,000	330,000	200,000
Annual Total	**$100,000**	**$1,910,000**	**$1,660,000**	**$1,310,000**	**$990,000**	**$660,000**

III. PROPOSED TARIFF MODIFICATIONS

The information in this section is provided in response to Order Point 12a of the Commission's May 15, 2025 Order which requires the Company to provide:

> *An implementation plan and proposed tariff changes reflecting any modifications approved herein*

This section specifically covers information about our proposed tariff changes. Information on our implementation plan is covered in Section I above.

With this filing the Company is proposing many tariff modifications to fully implement the Commission's May 15, 2025 Order. The details of the proposed modifications to our Residential TOU Rates, Space Heating Rates, and Net Metering Rates are discussed below.

The proposed tariff modifications are included in Attachment E. Attachment E includes the following pages of our Minnesota Electric Rate Book:

- Section No. 1, Sheet No. 1
- Section No. 5, Sheet No. TOC-1

- Section No. 5, Sheet No. 4.1
- Section No. 5, Sheet No. 4.2
- Section No. 5, Sheet No. 4.3
- Section No. 5, Sheet No. 13
- Section No. 9, Sheet No. 1.1
- Section No. 9, Sheet No. 2
- Section No. 9, Sheet No. 3
- Section No. 9, Sheet No. 4
- Section No. 9, Sheet No. 4.2

Please note that our previous proposals in this docket proposed several modifications to our residential EV program tariffs to align the pricing of those programs with the Residential TOU rates. In addition, we also included a proposal to cancel our Residential Time-of-Day Rate tariff. Per Order Point 6 of the Commission's May 15, 2025 Order, both of those proposals were denied without prejudice. The Company intends to resubmit a proposal to modify our residential EV program tariffs as a part our 2025 Transportation Electrification Plan, which will be filed later this year.

A. Revised TOU Rates

The Commission approved the residential TOU rate as an opt-in proposal with an on-peak period of 6 to 9 p.m. Monday through Friday. This approved on-peak period starts one hour earlier than our proposal. Implementing the rate with this on-peak period requires a modification of the rate pricing. Table 6 below shows the revised Residential TOU rate design.

Table 6
Revised Proposed Residential TOU Rate Design
(Rates in cents per kWh)[15]

TOU Rate Period	Time Period	Summer Energy Rate	Winter Energy Rate	Summer Ratio	Winter Ratio
On-Peak	6 PM-9 PM Weekdays	21.329	17.314	2.9	2.3
Mid-Peak	All Other Hours	13.468	11.485	1.8	1.5
Off-Peak	12 AM-6 AM, All Days	7.479	7.479	1.0	1.0

The modifications to implement this revised Residential TOU Rate are shown in Attachment E. The pricing modifications can be seen in Section No. 5, Sheet No. 4.1.

[15] Does not include fuel costs.

B. Space Heating Rates

In conjunction with approving the residential TOU rate, the Commission also approved a new, time-varying rate for space heating customers. As with the Residential TOU rate, the three-period space heating rate pricing needs to be modified to account for the 6 to 9 p.m. on-peak period. Table 7 below shows the revised three-period space heating rate design for the winter months. During the summer months, the space heating rate pricing is the same as the Residential TOU Rate pricing shown in Table 6 above

Table 7
Revised Proposed Time-Varying Space Heating Rate
(Rates in cents per kWh)[16]

TOU Rate Period	Winter Space Heating Rates
On-Peak	6.537
Mid-Peak	6.537
Off-Peak	6.537

The modifications to implement this revised Residential TOU Rate are shown in Attachment E. The space heating pricing modifications can be seen in Section No. 5, Sheet No. 4.1.

In addition, our previous proposals also included modifications to the space heating rate of our standard Residential Service tariff.[17] The proposed modifications specific to the one-period space heating rate were approved by the Commission in their May 15, 2025 Order and the one-periods space heating rate was implemented with an effective date of June 1, 2025.[18]

C. Net Metering Rates

With this filing, the Company is proposing many modifications to our net metering tariffs. First, we present modifications related to new time-varying pricing for our Sale to Company After Customer Self-Use (Rate Code A57), Monthly Net Metering (Rate Code A58), and Annual Net Metering (kWh Banking Option) (Rate Code A59) net

[16] Does not include fuel costs.
[17] Rate Codes A01 and A03
[18] Tariff modification was submitted as a part of our May 23, 2025 Compliance Filing in this docket.

metering tariffs. The Commission approved the implementation of time varying pricing for these rate codes in their May 15, 2025 Order.[19]

In addition, the Company is proposing modifications to our Excess Generation-Average Retail Utility Energy Service (Rate Code A50) net metering tariff. The Commission did not approve time-varying pricing for this rate code, but instead required the Company to propose a new methodology.[20]

The proposed tariff modifications for our net metering tariffs are shown in Attachment E.

- Section No. 9, Sheet No. 1.1
- Section No. 9, Sheet No. 2
- Section No. 9, Sheet No. 3
- Section No. 9, Sheet No. 4
- Section No. 9, Sheet No. 4.2

IV. IMPLEMENTATION BUDGET AND COST RECOVERY

The total cost to implement the rate, including rate support and ME&O efforts are shown in Table 8 below. Greater details of these budgets are discussed earlier in the filing.

Table 8
Implementation Budget
($ in Millions)

	2025	2026	2027	2028	2029	2030
Rate Implementation	$1.0	$2.0	$0.0	$0.0	$0.0	$0.0
ME&O	$0.1	$1.9	$1.7	$1.3	$1.0	$0.7
Total	**$1.1**	**$3.9**	**$1.7**	**$1.3**	**$1.0**	**$0.7**

We previously estimated that the total cost of rate implementation, which includes activities to develop an enrollment process and ensuring that the billing system is configured for the new rate, would cost about $1 million.[21] That was an early estimate developed before significant planning for the rate implementation began. The significant increase is primarily driven by a greater understanding of the tasks needed to fully implement the rate, along with the related activities. It will take more time to complete all tasks as was initially expected. The current estimate also includes

[19] See Section I.D.1.

[20] See Sectio I.D.2.

[21] Noted on Page 16 of our August 16, 2024 Supplement in this docket.

software licenses and development for the Rate Comparison tool, which was not included in our initial estimate. Final blueprinting for the rate implementation project will be completed over the next month so the final budget for the project may change as a part of that project planning.

The Company intends to seek cost recovery of these implementation costs through base rates as a part of our current electric rate case. These costs will be presented in our rebuttal testimony in that proceeding, which is scheduled to be filed in October 2025. Rebuttal testimony will also include greater details on the activities required for rate implementation, including the final budget for the project.

V. PROPOSED REPORTING REQUIREMENTS

The information in this section is provided in response to Order Point 17 of the Commission's May 15, 2025 Order which requires:

> *Xcel must co-create with a stakeholder group a set of annual reporting metrics. The Company must include the group's agreed upon metrics in the 90-day Compliance P[l]an filing, with the provision that Xcel retain 15-minute interval data and make those data available upon stakeholder request consistent with existing data privacy standards and Xcel's data retention standards.*

Consistent with this Order Point, the Company organized two stakeholder meetings with interested parties to develop a slate of reporting requirements. Through these sessions, stakeholders were able to ask the Company questions about what information will be available and provide feedback about what information will be useful to help review the implementation and progress of the new rate.

We heard from stakeholders that they were interested in greater breakdowns of participation and usage data, including showing data for low-income, space heating, and net metering customers specifically. Stakeholders also identified that having information about service disconnections for customers on the TOU rate may be useful. Finally, stakeholders expressed interest in using Company survey opportunities to gauge customer, including customers not on the TOU rate, awareness of the TOU and space heating rates and to try to gather information about EV drivers and smart thermostat users enrolled in the TOU rate. The Company accepted these recommendations and included the additional reporting elements with this Compliance Filing. The Company is also exploring additional enhancements to our reporting requirements, such as greater reporting of information by census block groupings, that we may be able to add in the future.

We appreciate the participation of stakeholders in developing our proposed reporting requirements, which can be found in Attachment F.

CONCLUSION

We respectfully request the Commission accept this Compliance Filing in response to the May 15, 2025 Order in this docket. We also respectfully request that the Commission approve our proposed tariff modifications as outlined in this filing.

Dated: August 14, 2025

Northern States Power Company

Docket No.	Order Date	Order Point Requirement	Location
		3. Xcel must take the following actions related to implementation of the Space Heating Rate and include information on the proposed outreach in a 90-day Compliance Plan:	
		a. Develop a process to actively facilitate enrollment in the electric space heating rates for customers that receive an air source heat pump through the Energy Conservation and Optimization rider.	Section II.E.1
		b. Incorporate customer education and awareness of the residential electric space heating rates into customer communications for heat pump rebates to show the full value proposition of installing an air source heat pump.	Section II.E.1
		c. Ensure implementers of complementary programs, such as local government campaigns and future state air source heat pump rebates, are sent education about the new electric space heating rates and materials to promote the new rates.	Section II.E.3
		d. Provide educational resources to contractors to ensure appropriate sizing and switchover temperatures to optimize customer benefits.	Section II.E.2
		e. Cross market time-of-use rates with ECO programs.	Section II.G
		f. Educate heat-pump related staff, contractors, and customers with a broad range of topics, beyond new time-of-use rates, including electric heating systems that affect operating costs, such as system efficiency, rebate eligibility, proper sizing, and switch-over temperatures.	Section II.E.4
		g. Include a preview of how webpages containing space heating rate information will appear.	Attachment D
		4. Xcel must propose a revised methodology for solar customers to participate in the time□of-use rate and a compensation rate that complies with Minn. Stat. § 216B.164, subd. 3(d) and Minn. R. 7835.0100, subp. 2a, with its 90-day Compliance Plan. The revised option should simplify the netting methodology in Xcel's initial proposal and provide an explanation of how the methodology complies with Minn. Stat. § 216B.164, subd. 3(d) and Minn. R. 7835.0100, subp. 2a.	Section I.D.2
		7. The Commission approves Xcel's proposed new A57 (Sale to Company After Customer Self-Use), A58 (Monthly Net Metering), and A59 (Annual Net Metering (kWh Banking Option)) rates, subject to a compliance filing, included in its 90-day Compliance Plan, that contains the proposed rate calculations.	Section I.D.1
		8. Xcel must develop and perform targeted outreach to existing distributed generation rate customers on the existing A51 to A56 rate codes to inform them of the new rates and must include its outreach plan in its 90-day Compliance Plan. Prior to rate implementation, the Company must also hold a training for DER developers on the new rate options at a quarterly DER Workgroup meeting	Section II.F
		11. In its 90-day Compliance Plan, Xcel must file a detailed marketing, education, and outreach plan for the approved time-of-use rate rollout. This plan shall describe, at a minimum, the following:	
23-452	5/15/2025	a. What customer communications will look like and what form they will take (emails, mailers, notices on customer bills, etc.).	Section II.A
		b. Detailed cost estimates for each feature in Xcel's proposed outreach plan.	Section II.I

Docket No.	Order Date	Order Point Requirement	Location
		c. Xcel's consideration of additional customer-support staff training to ensure employees are well prepared to answer questions about the new rate.	Section II.C
		d. The timeline of when each step or communication strategy will be implemented.	Section II.B
		e. Xcel's plan to engage and communicate with customers who are traditionally underrepresented in energy-decision making, including communities of color and low-income communities.	Section II.D
		f. Any other relevant aspects of Xcel's proposal for customer outreach and education, including those adopted in other decision options.	Section II
		g. The potential for automatic enrollment options.	Section I.B
		h. Plans or results of a messaging study that goes beyond customers likely to adopt a time-of-use rate.	Section II.H
		i. How digital, non-digital, and paired marketing, education, and outreach approaches will be leveraged and for which customer segments and/or geographies those messages will be deployed.	Section II.A
		12. As part of its 90-day Compliance Plan, Xcel must file the following:	
		a. An implementation plan and proposed tariff changes reflecting any modifications approved herein.	Implementation Plan - Section I Tariffs - Section III
		b. Clarification of, if applicable, the transition of existing space heating customers to Xcel's revised one-period and time-of-use space heating rate.	Section I.C
		c. Clarification on the intersection of the space heating and net metering rates prior to offering these rate options.	Section I.D.3
		d. The timing of the cancellation of Xcel's existing time-of-use rate and the timing to transition existing time-of-use rate customers to Xcel's revised time-of-use rate, based on its August 16, 2024, filing.	Section I.A
		e. The plan to transition existing time-of-use rate customers to Xcel's revised time-of-use rate, as detailed in its August 16, 2024, filing,	Section I.A
		f. The cost of bill protections and a timeline for preparing its system to offer those protections.	Section I.E.1
		g. Clarify whether an application could be developed that would use information from the billing system or directly from the meters itself that could be included as a link in customer bills, rather than having the information appear directly on the bill. Include information from any request for information Xcel may issue exploring existence of developers that offer this kind of application.	Section I.E.2
		17. Xcel must co-create with a stakeholder group a set of annual reporting metrics. The Company must include the group's agreed upon metrics in the 90-day Compliance Filing, with the provision that Xcel retain 15-minute interval data and make those data available upon stakeholder request consistent with existing data privacy standards and Xcel's data retention standards.	Section V

Proposed Detail to Append to the Cogeneration and Small Power Production Report and Petition

2. Schedule A

3-period Time of Use Estimated 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]
Annual # hours on-peak:		762				

Description of season and on-peak and off-peak periods	
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.
3-Period TOU Mid-peak period:	The Mid-Peak period is defined as all hours not defined as On-Peak or Off-Peak periods.
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.

Proposed Detail to Append to the Cogeneration and Small Power Production Report and Petition
4. Schedule C

3-PERIOD TIME OF USE - RESIDENTIAL

ON-PEAK

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

MID-PEAK

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

OFF-PEAK

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

Proposed Detail to Append to the Cogeneration and Small Power Production Report and Petition

5. Schedule G

3-Period Time of Use

NUMBER OF PEAK HOURS

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.

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

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	41.49				
	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]

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

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

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

Proposed Detail to Append to the Cogeneration and Small Power Production Report and Petition
5.1 Schedule G

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	A60	TOU On-Peak Pmt for Excess Energy with Residential Metered Service	Oct-May	n/a	0.28053	C	Avg Retail Energy Rate
				Jun-Sep	n/a	0.31582		
9-2	Excess Generation-Average Retail Utility Energy Service	A60	TOU Mid-Peak Pmt for Excess Energy with Residential Metered Service	Oct-May	n/a	0.13956	C	Avg Retail Energy Rate
				Jun-Sep	n/a	0.15214		
9-2	Excess Generation-Average Retail Utility Energy Service	A60	TOU Off-Peak Pmt for Excess Energy with Residential Metered Service	Oct-May	n/a	0.08211	C	Avg Retail Energy Rate
				Jun-Sep	n/a	0.07902		
9-3	Sale to Company After Customer Self-Use	A57	TOU On-Peak Energy Payment per kWh	Oct-May	n/a	0.04048	A	2024 Seasonal Estimated Marginal Energy Cost
9-4	Monthly Net Metering	A58						
9-3	Sale to Company After Customer Self-Use	A57		Jun-Sep	n/a	0.04314		
9-4	Monthly Net Metering	A58						
9-4.2	Annual Net Metering (kWh Banking Option)	A59		Annual	n/a	0.04146	G	Banking Cashout Rate Work Papers - Line [12]
9-3	Sale to Company After Customer Self-Use	A57	TOU Mid-Peak Energy Payment per kWh	Oct-May	n/a	0.03372	A	2024 Seasonal Estimated Marginal Energy Cost
9-4	Monthly Net Metering	A58						
9-3	Sale to Company After Customer Self-Use	A57		Jun-Sep	n/a	0.03532		
9-4	Monthly Net Metering	A58						
9-4.2	Annual Net Metering (kWh Banking Option)	A59		Annual	n/a	0.03431	G	Banking Cashout Rate Work Papers - Line [15]
9-3	Sale to Company After Customer Self-Use	A57	TOU Off-Peak Energy Payment per kWh	Oct-May	n/a	0.02220	A	2024 Seasonal Estimated Marginal Energy Cost
9-4	Monthly Net Metering	A58						
9-3	Sale to Company After Customer Self-Use	A57		Jun-Sep	n/a	0.01973		
9-4	Monthly Net Metering	A58						
9-4.2	Annual Net Metering (kWh Banking Option)	A59		Annual	n/a	0.02129	G	Banking Cashout Rate Work Papers - Line [18]

Proposed Detail to Append to the Cogeneration and Small Power Production Report and Petition
5.2 Schedule G

Monthly and Annual kWh Banking Cashout Rate Work Papers

For Net Metering Facilities

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

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	
[10]	Oct-May	$0.04048	=	$0.04048	x	63.10%	=	$0.02554	
[11]	Jun-Sep	$0.04314	=	$0.04314	x	36.90%	=	$0.01592	
[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	
[13]	Oct-May	$0.03372	=	$0.03372	x	63.10%	=	$0.02128	
[14]	Jun-Sep	$0.03532	=	$0.03532	x	36.90%	=	$0.01303	
[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	
[16]	Oct-May	$0.02220	=	$0.02220	x	63.10%	=	$0.01401	
[17]	Jun-Sep	$0.01973	=	$0.01973	x	36.90%	=	$0.00728	
[18]								$0.02129	(A59 Off-Peak)

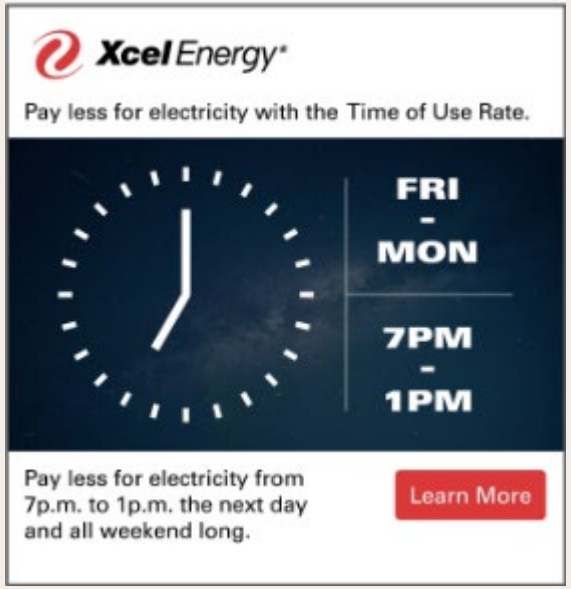
MINNESOTA TOU | 90-DAY COMPLIANCE FILING

COLLATERAL EXAMPLES

Examples are for illustrative purposes only.

DIGITAL CHANNELS

Social Media Ads



Rich Media Overlays

Digital Banner Ads

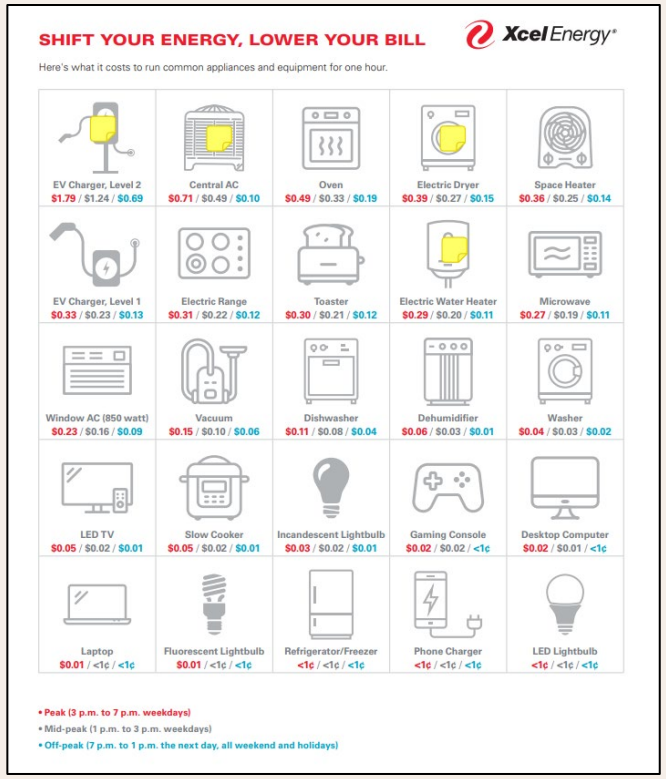
OUT OF HOME ADVERTISING

Billboard Ads

Transit Stop Ads

EMAIL, DIRECT MAIL, EDUCATIONAL COLLATERAL

Educational Collateral



SHIFT YOUR ENERGY, LOWER YOUR BILL

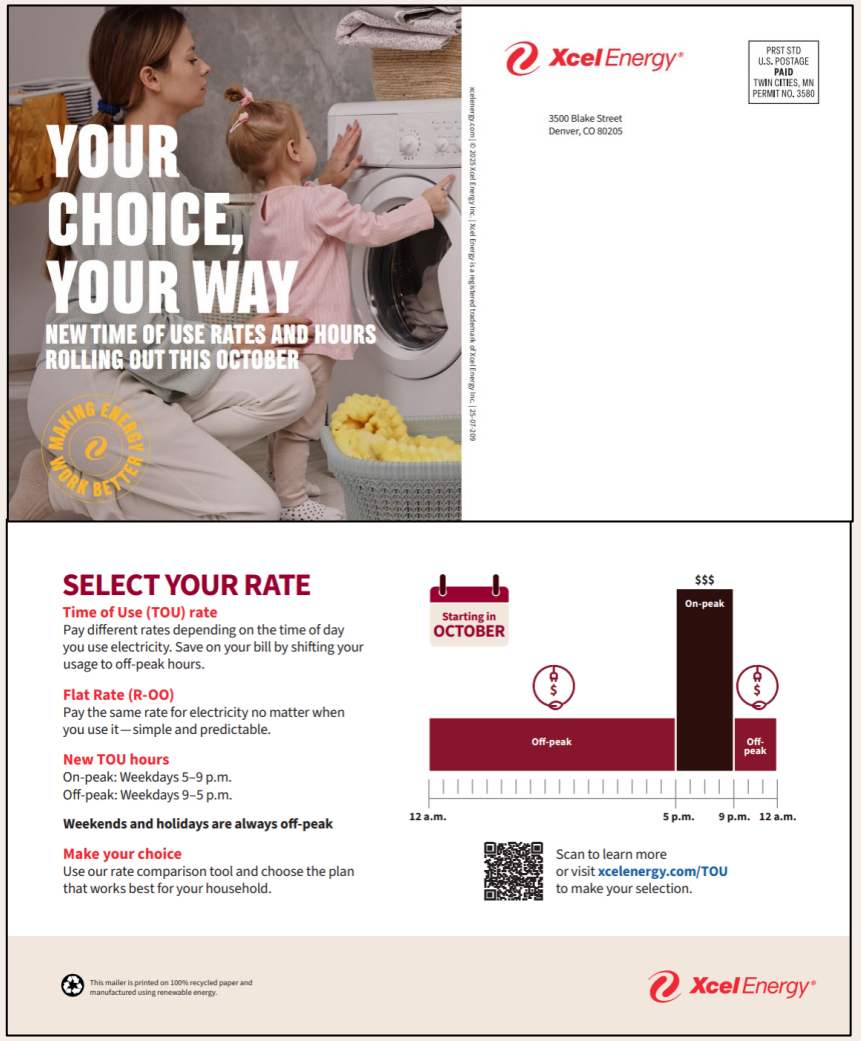
Xcel Energy®

Here's what it costs to run common appliances and equipment for one hour.

EV Charger, Level 2 $1.79 / $1.24 / $0.69	Central AC $0.71 / $0.49 / $0.10	Oven $0.49 / $0.33 / $0.19	Electric Dryer $0.39 / $0.27 / $0.15	Space Heater $0.36 / $0.25 / $0.14
EV Charger, Level 1 $0.33 / $0.23 / $0.13	Electric Range $0.31 / $0.22 / $0.12	Toaster $0.30 / $0.21 / $0.12	Electric Water Heater $0.29 / $0.20 / $0.11	Microwave $0.27 / $0.19 / $0.11
Window AC (850 watt) $0.23 / $0.16 / $0.09	Vacuum $0.15 / $0.10 / $0.06	Dishwasher $0.11 / $0.08 / $0.04	Dehumidifier $0.06 / $0.03 / $0.01	Washer $0.04 / $0.03 / $0.02
LED TV $0.05 / $0.02 / $0.01	Slow Cooker $0.05 / $0.02 / $0.01	Incandescent Lightbulb $0.03 / $0.02 / $0.01	Gaming Console $0.02 / $0.02 / <1¢	Desktop Computer $0.02 / $0.01 / <1¢
Laptop $0.01 / <1¢ / <1¢	Fluorescent Lightbulb $0.01 / <1¢ / <1¢	Refrigerator/Freezer <1¢ / <1¢ / <1¢	Phone Charger <1¢ / <1¢ / <1¢	LED Lightbulb <1¢ / <1¢ / <1¢

- Peak (3 p.m. to 7 p.m. weekdays)
- Mid-peak (1 p.m. to 3 p.m. weekdays)
- Off-peak (7 p.m. to 1 p.m. the next day, all weekend and holidays)

Direct Mail



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SELECT YOUR RATE

Time of Use (TOU) rate
Pay different rates depending on the time of day you use electricity. Save on your bill by shifting your usage to off-peak hours.

Flat Rate (R-OO)
Pay the same rate for electricity no matter when you use it—simple and predictable.

New TOU hours
On-peak: Weekdays 5–9 p.m.
Off-peak: Weekdays 9–5 p.m.

Weekends and holidays are always off-peak

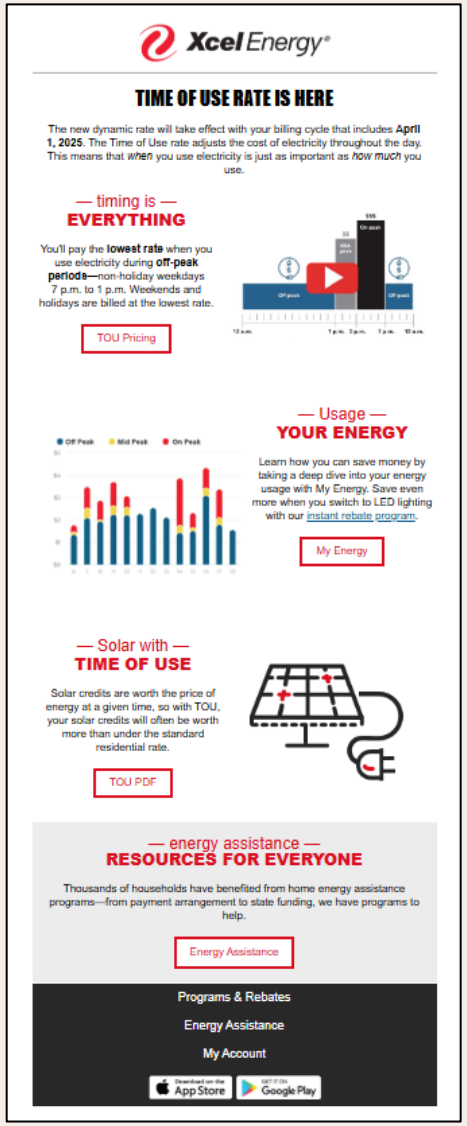
Make your choice
Use our rate comparison tool and choose the plan that works best for your household.

Scan to learn more or visit **xcelenergy.com/TOU** to make your selection.

This mailer is printed on 100% recycled paper and manufactured using renewable energy.

Xcel Energy®

Email



Xcel Energy®

TIME OF USE RATE IS HERE

The new dynamic rate will take effect with your billing cycle that includes **April 1, 2025**. The Time of Use rate adjusts the cost of electricity throughout the day. This means that *when* you use electricity is just as important as *how much* you use.

— timing is —
EVERYTHING

You'll pay the **lowest rate** when you use electricity during **off-peak periods**—non-holiday weekdays 7 p.m. to 1 p.m. Weekends and holidays are billed at the lowest rate.

TOU Pricing

— Usage —
YOUR ENERGY

Learn how you can save money by taking a deep dive into your energy usage with My Energy. Save even more when you switch to LED lighting with our instant rebate program.

My Energy

— Solar with —
TIME OF USE

Solar credits are worth the price of energy at a given time, so with TOU, your solar credits will often be worth more than under the standard residential rate.

TOU PDF

— energy assistance —
RESOURCES FOR EVERYONE

Thousands of households have benefited from home energy assistance programs—from payment arrangement to state funding, we have programs to help.

Energy Assistance

Programs & Rebates
Energy Assistance
My Account

App Store | Google Play

HEATING & COOLING

Electric Space Heating

You may be eligible for reduced rates if your primary heat source is electric.

There are reduced rates available to you if your home's primary heat source is electric. Examples of electric space heating equipment include:

- Electric baseboard
- Electric boiler
- Electric furnace
- Electric heat pump

Electric Space Heating Rate

The electric space heating rate applies to all electricity usage at your home, not just the electricity you use for heating.

Oct. 1 – May 31, $0.06537 per kWh

June 1 – Sept. 30, $0.13069 per kWh

Contact Us to Get Started

Call us at **800-895-4999** to learn more about reduced rates for electric space heating and to see if you qualify.

Reduced Rate Details

Eligibility Requirements

How to Get Reduced Rates for Electric Heating

More Ways to Save

Heat Pump Rebates

Find rebates on heat pumps that can both heat and cool your home.

GO TO HEAT PUMPS

Panel Upgrade Rebate

Claim your incentive for upgrading your home's electrical panel.

GO TO PANEL UPGRADE

Contact Customer Service

Have a question or concern?
We are here to help.

Contact Us (/customersupport/s/contactsupport)

Company

Energy & Environment

Partner Resources

Outage & Safety

Customer Support

(https://mn.my.xcelenergy.com/s)

Minnesota

Online Terms of Use (https://www.xcelenergy.com/staticfiles/xe-responsive/Admin/My%20Account_Terms_and_Conditions.pdf)

Privacy (/s/privacy)

Accessibility (https://corporate.my.xcelenergy.com/s/about/accessibility)

HEATING & COOLING

Become a Heat Pump Home

Stay cool in the summer and cozy in the winter with an energy-efficient, electric heat pump.

Find an Installer

What's a Heat Pump?

A heat pump provides energy-efficient year-round comfort by heating your home in the winter and cooling it in the summer, all in one unit.

2-for-1 Value

Using a heat pump to both heat and cool your home can save energy, boost comfort and increase your home's value.

Clean Comfort

A heat pump uses electricity to transfer heat energy (much like an air conditioner) rather than burning gas to generate it. This lowers your home's greenhouse gas emissions and reduces your carbon footprint, while making your home more energy efficient.

Continued Savings

A heat pump is more efficient than electric resistance heat, and customers who primarily **use electric heating are eligible for a reduced rate. (/s/residential/heating-cooling/heating-upgrade-rebates)**

Heat Pump Rebates Available

You can save thousands of dollars on the installation of a heat pump when you take advantage of Xcel Energy rebates and state and federal tax incentives.*

How to Get a Heat Pump Rebate

1 Are You Eligible?

Residential electric and/or natural gas customers in Minnesota are eligible to receive heat pump rebates.

2 Find a Participating Heat Pump Installer

Find an Xcel Energy participating installer here (https://hvacree.net/xcel/public_search.cfm)

Here's a **list of questions (https://xcelnew.my.salesforce.com/sfc/p/1U0000011ttV/a/R3000007567C/PvBBE5pjrvqKSmRIvAp2LR4ULpRgWof3a2D9ZgEjRYM)** you may want to ask. Your installer can also help you determine which rebates your project qualifies for and give you an estimate (including rebates).

3 Install Heat Pump

Your installer will help you select the right heat pump for your home and generate an installation quote. They will perform a **quality installation (https://xcelnew.my.salesforce.com/sfc/p/1U0000011ttV/a/R3000008H7Db/e1BEl0Oxs65tjdUgx4WG9JmjPO90.Zhs_JAokkJSFjk)** , which helps ensure your new heat pump is properly installed. A quality install means your system will run efficiently, maintain comfortable temperatures and can extend the life of the system. Plus, it can lower your electric bill. Customers who primarily **use electric heating are eligible for a reduced rate. (/s/residential/heating-cooling/heating-upgrade-rebates)**

4 Your Installer Submits Rebate Application

After your heat pump is up and running, your installer will submit the rebates and, in most cases, apply the discount to your invoice.

**Rebate amounts will vary based on qualifying equipment. Rebate cannot exceed installed costs. Please verify your rebate amount with your Xcel Energy-approved installer.*

5 Enjoy Your Comfortable, Efficient Home

The work is over! Experience the comfort and energy savings that come with using a heat pump to heat and cool your home.

Find a Participating Heat Pump Installer

In order to qualify for heat pump rebates, your contractor must be a current participating contractor.

FIND MY INSTALLER

Know Your Heat Pumps

No matter what type of heat pump your installer helps you select, you can enjoy its benefits year-round.

Air Source Heat Pump (ASHP)

Cold Climate Air Source Heat Pump (ccASHP)

Ground Source Heat Pump (GSHP)

Additional Information

Rebate Application (https://www.xcelenergy.com/staticfiles/xe-responsive/Programs%20and%20Rebates/Residential/24-01-506_MN-Res_HVAC_OpenPrgms_app.pdf)

Rebate Summary Sheet (https://xcelnew.my.salesforce.com/sfc/p/#1U0000011ttV/a/R3000006v6tK/zOHYuJevZkNNbDEK_wBE2rUZlGSIN3o6Exw.8

HVAC Programs Info Sheet (https://xcelnew.my.salesforce.com/sfc/p/1U0000011ttV/a/R3000006v6tK/zOHYuJevZkNNbDEK_wBE2rUZlGSIN3o6Exw.8a

Questions for your Contractor (https://xcelnew.my.salesforce.com/sfc/p/1U0000011ttV/a/R3000007567C/PvBBE5pjrvqKSmRIvAp2LR4ULpRgWof3a2D9Z

High-efficiency heat pump savings information (https://www.energy.gov/energysaver/heat-and-cool/heat-pump-systems)

Top 10 Tips for New Heat Pump Owners (https://www.xcelenergy.com/staticfiles/xe-responsive/Programs%20and%20Rebates/Residential/Top-10-Tips-for-Heat-Pumps-Owners-Brochure.pdf)

Top 10 Tips for New Heat Pump Owners - Spanish (https://xcelnew.my.salesforce.com/sfc/p/1U0000011ttV/a/8b000003BcdP/neVIqRgdgnfpCGgUzuz4vLq5C2WhJTiz.oC7ivZ

Have questions? Please contact your contractor or give us a call at **800-895-4999**.

Electrical Panel Upgrade Rebates Available

You may be able to take advantage of our generous electrical panel rebate to power your new heat pump and other equipment.

LEARN ABOUT PANEL REBATES

A More Efficient Home Starts with the Home Energy Squad

Schedule a visit from the Home Energy Squad to improve your home's insulation and air sealing and learn about rebates and other ways to make your home more energy efficient.

SCHEDULE A VISIT

Contact Customer Service

Have a question or concern?
We are here to help.

Contact Us (https://my.xcelenergy.com/customersupport/s/contactsupport)

Company

Energy & Environment

Partner Resources

Outage & Safety

Customer Support

(https://mn.my.xcelenergy.com/s)

Minnesota

Online Terms of Use (https://www.xcelenergy.com/staticfiles/xe-responsive/Admin/My%20Account_Terms_and_Conditions.pdf)

Privacy (/s/privacy)

Accessibility (https://corporate.my.xcelenergy.com/s/about/accessibility)

Redline

TABLE OF CONTENTS

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
Energy Charge per kWh			N
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~~ Section No. 5
SERVICE (Continued) ~~1st~~2nd Revised Sheet No. 4.2
RATE CODE A72, A74

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. L

TERMS AND CONDITIONS OF SERVICE

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

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

~~**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.~~

CANCELED

~~N~~L

~~N~~L
N

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 Rate Code 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.

RATE

Metering charges are as set forth in the Section 10 tariff

Payment per kWh for Energy Delivered to Company in Excess of Energy Used	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)

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)

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)

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Section No. 1
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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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RESIDENTIAL TIME OF USE SERVICE (Continued) Section No. 5
RATE CODE A72, A74 1st Revised Sheet No. 4.3

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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 Rate Code 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.

RATE

Metering charges are as set forth in the Section 10 tariff

Payment per kWh for Energy Delivered to Company in Excess of Energy Used	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.

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

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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)

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

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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)

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	
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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)

	Category	Metric	Segments	Frequency
1	Participation	Customers who opted into TOU rate	Overall, Low-income (including census block), space heating customers, net metering customers	Annual
2	Participation	Customers who left the TOU rate	Overall, Low-income (including census block), space heating customers, net metering customers	Annual
3	Participation	Customer Disconnections	Overall, Low-income (including census block), space heating customers, net metering customers	Annual
4	Peak Impact	Minimum household peak impact	Overall, Low-income	Annual, Seasonal
5	Peak Impact	Maximum household peak impact	Overall, Low-income	Annual, Seasonal
6	Peak Impact	Average household peak impact	Overall, Low-income	Annual, Seasonal
7	Peak Impact	System Coincident Peak Impact of TOU Customers	Overall	Annual, Seasonal
8	Load Shifting	% of load shifted to/from off-peak compared to historical customer load data	Overall, low-income	Annual, Seasonal
9	Load Shifting	% of load shifted to/from mid-peak compared to historical customer load data	Overall, low-income	Annual, Seasonal
10	Load Shifting	% of load shifted to/from on-peak compared to historical customer load data	Overall, low-income	Annual, Seasonal
11	Load Shifting	Load shifts observed in participating customers on TOU rate versus non-participants on standard residential rate	Overall, low-income	Annual, Seasonal
12	Consumption	Energy consumption impacts for off-peak period (compared to historical customer consumption data)	Overall, Low-income (including census block), space heating customers, net metering customers	Annual, Seasonal
13	Consumption	Energy consumption impacts for mid-peak period (compared to historical customer consumption data)	Overall, Low-income (including census block), space heating customers, net metering customers	Annual, Seasonal
14	Consumption	Energy consumption impacts for on-peak period (compared to historical customer consumption data)	Overall, Low-income (including census block), space heating customers, net metering customers	Annual, Seasonal

	Category	Metric	Segments	Frequency
15	Customer Experience	**TOU Enrollees:** -Understanding of rate structure -Satisfaction with rate	Overall, EV and smart thermostat users (self-identified)	Annual
16	Customer Experience	**General Population:** -Engagement metrics with digital tools intended to increase rate awarness, understanding, and choice -Awareness of TOU -Awareness of space heating rates, with best effort to include details about customers receiving heat pump rebates	Overall	Annual

CERTIFICATE OF SERVICE

I, Marie Horner, 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 NO. E002/M-23-524

Dated this 14th day of August 2025

/s/

Marie Horner
Regulatory Administrator

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
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6	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
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28	Carol A.	Overland	overland@legalectric.org	Legalectric - Overland Law Office		1110 West Avenue Red Wing MN, 55066 United States	Electronic Service		No	23-524Official
29	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
30	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
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