



414 Nicollet Mall
Minneapolis, MN 55401

September 14, 2020

—Via Electronic Filing—

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

RE: REPLY COMMENTS
METER SERVICES PRICING ASSOCIATED WITH DISTRIBUTED GENERATION
DOCKET NO. E002/M-20-606

Dear Mr. Seuffert:

Northern States Power Company, doing business as Xcel Energy, submits these brief Reply Comments in response to the Minnesota Public Utilities Commission's August 3, 2020 Notice of Comment Period, and the Department of Commerce's Comments received September 2, 2020.

We appreciate the Department's review and analysis of our Meter Services Pricing Associated with Distribution Generation Petition.

Since both Solar*Reward Community DERs (Distributed Energy Resources) and non-Solar*Rewards Community DERs will receive the same metering technology, the Company agreed with the Department that all meters should receive annual maintenance. As a result of this change, the Company proposes to remove the footnote specific to the non-Solar*Rewards Community DERs.

We have incorporated the edit into Attachment A (Tariffs) of this filing. The affected tariff sheets are:

- Section No. 10, Sheet No. 81 (3rd Revision)
- Section No. 10, Sheet No. 81.1 (Original)

Attachment A is formatted to clearly show the edits to the tariff as the docket has progressed. The edits in the Attachments are as follows:

- Reply Comment edits are shown in **green** font.

- Errata edits are shown in **blue** font.
- Original content in **red** font.

We have electronically filed this document with the Minnesota Public Utilities Commission, and copies have been served on the parties on the attached service lists. Please contact Amber Hedlund at amber.r.hedlund@xcelenergy.com or (612) 337-2268 or me at holly.r.hinman@xcelenergy.com or (612) 330-5941 if you have any questions regarding this filing.

Sincerely,

/s/

HOLLY R. HINMAN
REGULATORY MANAGER

Enclosure
c: Service List

Redline

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**EXCESS GENERATION-AVERAGE RETAIL UTILITY ENERGY
SERVICE
RATE CODE A50**

Section No. 9
~~27th~~28th 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	Production Meter	No-Production	<u>D</u>
<u>Metering charges are as set forth in the Section 10 tariff</u>			
<u>Metering Charge per Month</u>	<u>Installed</u>	<u>Meter Installed</u>	<u>D</u>
Single Phase	\$3.15	\$1.68	<u>D</u>
Three Phase	\$6.40	\$2.58	<u>D</u>
Payment per kWh for Energy Delivered to Company in	<u>Oct-May</u>	<u>Jun-Sep</u>	
Excess of Energy Used			
With Retail Non-Demand Metered Service	\$0.11402	\$0.11964	<u>R</u>
With Retail Demand Metered Service	\$0.06302	\$0.06527	<u>R</u>

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.

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E999/PR-20-9		Order Date:	03-20-20
	<u>E002/M-20-</u>			

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SALE TO COMPANY AFTER CUSTOMER SELF-USE
RATE CODE A51, A52

Section No. 9
~~25th~~26th Revised Sheet No. 3

AVAILABILITY

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

RATE	Production Meter	No Production	<u>D</u>
Metering charges are as set forth in the Section 10 tariff	Installed	Meter Installed	<u>ND</u>
Metering Charge per Month			<u>D</u>
Single Phase	\$5.50	\$2.58	<u>D</u>
Three Phase	\$8.00	\$6.76	<u>D</u>

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

Payment Schedule for Energy Delivered to Company (A51)	<u>Oct-May</u>	<u>Jun-Sep</u>	<u>R</u>
Energy Payment per kWh	\$0.02310	\$0.02237	<u>R</u>
Capacity Payment for Firm Power per kWh	\$0.00214	\$0.01410	

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

Payment Schedule for Energy Delivered to Company (A52)	<u>Oct-May</u>	<u>Jun-Sep</u>	<u>R</u>
On Peak Energy Payment per kWh	\$0.02693	\$0.02926	<u>R</u>
Off Peak Energy Payment per kWh	\$0.02107	\$0.01864	<u>R</u>
Capacity Payment for Firm Power per On Peak kWh	\$0.00617	\$0.04040	

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)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MONTHLY NET METERING
RATE CODE A53, A54

Section No. 9
~~24th~~25th 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	Production Meter	No-Production	D
<u>Metering charges are as set forth in the Section 10 tariff</u>	<u>Installed</u>	<u>Meter Installed</u>	<u>ND</u>
<u>Metering Charge per Month</u>			<u>D</u>
Single Phase	\$5.50	\$2.58	<u>D</u>
Three Phase	\$8.00	\$6.76	<u>D</u>

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)	<u>Oct-May</u>	<u>Jun-Sep</u>	<u>R</u>
Energy Payment per kWh	\$0.02310	\$0.02237	<u>R</u>
Capacity Payment for Firm Power per kWh	\$0.00214	\$0.01410	

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)	<u>Oct-May</u>	<u>Jun-Sep</u>	<u>R</u>
On Peak Energy Payment per kWh	\$0.02693	\$0.02926	<u>R</u>
Off Peak Energy Payment per kWh	\$0.02107	\$0.01864	<u>R</u>
Capacity Payment for Firm Power per On Peak kWh	\$0.00617	\$0.04040	

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)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ANNUAL NET METERING (KWH BANKING OPTION)
RATE CODE A55, A56**

Section No. 9
~~4th~~5th 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

Metering Charge per Month

Single Phase	\$5.50
Three Phase	\$8.00

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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.

	<u>Annual</u>	
Energy Payment per kWh for Customers on non-time of day Service Tariffs (A55)	\$0.02283	R

Time of Day Service Customers (A56)	<u>Annual</u>	
On Peak Energy Payment per kWh	\$0.02778	
Off Peak Energy Payment per kWh	\$0.02018	R

Capacity Payment for Firm Power where customer receives	<u>Oct-May</u>	<u>Jun-Sep</u>	
non-time of day retail electric service per kWh	\$0.00214	\$0.01410	R
time of day retail electric service per on-peak kWh	\$0.00617	\$0.04040	R

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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**RULES AND REGULATIONS APPLICABLE TO
COGENERATION AND SMALL POWER PRODUCTION
FACILITIES (Continued)**

Section No. 9
~~2nd~~^{3rd} Revised Sheet No. 6

MAIN SERVICE METERING SCENARIOS

1. No Sale to Company

If customer does not intend to sell energy to Company, the billing of customer's electrical consumption provided by Company will be on the available retail rates and the electric meter measuring this consumption will be configured to allow measurement only of energy flow into the customer's premises. Customer will provide all meter socket replacement and rewiring required to accommodate this meter that measures energy flow in one direction only. Where the customer chooses no sale to the Company, the customer will need to sign either the Section 10 Interconnection Agreement where the MN DIP does not apply, or the MN DIA where the MN DIP does apply, but does not need to sign the Section 9 Uniform Statewide Contract. Even if the no sale option is selected, for systems sized 40 kW AC or larger, the customer will still need a production meter for a new interconnection of a generating system, and the metering charge will correspond to the applicable metering charge in the Section 10 tariff ~~for comparably-sized systems under the A50-A54 rate codes.~~

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Or

2. Sale of All or Part of Customer Produced Energy

If customer intends to sell energy to Company under this Section 9 tariff, a meter will be installed by the Company that will record energy delivered. Production meters are not required for systems rated under 40 kW. Customer will provide all meter socket replacement and rewiring required to install any applicable meter.

REVENUE LOSS

Company shall not be liable for revenue lost by customer due to Company's inability to purchase or wheel customer generated energy for any reason not within Company's reasonable control.

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(Continued on Sheet No. 9-7)

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		President, Northern States Power Company, a Minnesota corporation		
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**RULES AND REGULATIONS APPLICABLE TO COGENERATION
AND SMALL POWER PRODUCTION FACILITIES (Continued)**

Section No. 9
~~2nd~~3rd Revised Sheet No. 8

SPECIAL INTERCONNECTION FACILITIES

The metering charge assumes common use of all Company facilities, up to the metering point, for both receipt and delivery of energy. Any additional facilities required by Company to accommodate the QF or NMF will require QF or NMF to pay a net interconnection charge in advance.

METERING REQUIREMENTS

The QF or NMF shall make provision for on-site metering. On-site use of QF or NMF output shall be unmetered for purposes of compensation. QF or NMF shall cooperate with and allow Company to install and have access to on-site monitoring equipment for purposes of gathering QF or NMF performance data. A Company-owned bi-directional meter is required to be installed at each service location associated with each new Customer generation source subject to this tariff. A production meter may be required, in addition to the bi-directional meter, in certain circumstances. A production meter is not required for systems rated under 40 kW AC, unless that system is subject to an incentive or program rule requiring a production meter (e.g., Solar*Rewards). A production meter is required for all systems rated 40 kW AC or above. Customer will provide all meter housing and socket replacement and rewiring to install the metering.

BI-DIRECTIONAL METER

A bi-directional meter located at the main service will record energy delivered to the customer from the Company, and energy received by the Company from customer. Installation of a new bi-directional meter may not be required if the configuration of a customer's facilities allows and a previously installed bi-directional meter provides the information necessary for billing purposes.

PRODUCTION METER

The second (Production) meter will record energy generated by the QF or NMF system only. The Company shall install, or cause to be installed, own, operate and maintain the Production meter to measure the AC production of the QF or NMF system when a production meter is required. At customer's request, additional production meters, beyond Company-required production meters, may be installed if approved by the Company at the Customer's expense.

METERING CHARGES

Customer shall be charged ~~the applicable~~ metering charges as set forth in the Section 10 tariff per month (see Rate Codes A50-A56). Payment for any additional facilities required by Company to accommodate the QF or NMF system will be consistent with the MN DIP, and where applicable, the MN DIA.

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(Continued on Sheet No. 9-8.1)

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**STANDARD CONTRACT FOR
SOLAR*REWARDS COMMUNITY (Continued)**

Section No. 9
~~2nd~~3rd Revised Sheet No. 75

3. Metering Charges and Requirements

A. Metering Charges are as set forth in the Section 10 tariff. per Month:

~~Single Phase~~ — \$5.50

~~Three Phase~~ — \$8.00

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B. A Company-owned meter is required to be installed at each service location associated with each Community Solar Garden generation source subject to this Contract. The meter is located at the main service and will record energy delivered to the Community Solar Garden Operator from the Company, and also will record energy produced by the Community Solar Garden and delivered to the Company. Community Solar Garden Operator will provide all meter housing and socket replacement and rewiring to install the meter. Community Solar Garden Operator shall be charged monthly the metering charge for the main service meter.

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4. Title, Risk of Loss, and Warranty of Title. As between the Parties, the Community Solar Garden Operator shall be deemed to be in control of the photovoltaic energy output from the PV System up to and until delivery and receipt by the Company at the Production Meter and the Company shall be deemed to be in control of such energy from and after delivery and receipt at such Production Meter. Title and risk of loss related to the photovoltaic energy shall transfer to the Company at the Production Meter. The Community Solar Garden warrants and represents to the Company that it has or will have at the time of delivery good and sufficient title to all photovoltaic energy output and/or the ability to transfer good and sufficient title of same to the Company.

5. Interconnection Requirements. The Community Solar Garden Operator must sign the applicable Interconnection Agreement under Section 10 of the Company's rate book, and comply with all of the terms and conditions of that Interconnection Agreement except as otherwise specified in this Contract. The following additional interconnection terms also apply.

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A. Where the tariffed Interconnection Agreement is used in conjunction with this tariffed Contract, the term of the Interconnection Agreement shall end twenty five (25) years after the Date of Commercial Operation.

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B. To the extent to which the ADDITIONAL TERMS AND CONDITIONS set forth in Section 9, Sheets 68 through 68.16 differ from the Section 10 tariff, these ADDITIONAL TERMS AND CONDITIONS shall control for applications that are not subject to the MN DIP. The ADDITIONAL TERMS AND CONDITIONS set forth in tariff Section 9, Sheet Nos. 68.17 through 68.21, fully apply if the application that is the subject of this Agreement is subject to the MN DIP.

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(Continued on Sheet No. 9-76)

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	E002/M-18-714			
	E002/M-20-			

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
~~2nd~~^{3rd} Revised Sheet No. 78

Definition of Peak Periods

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 a Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on a Sunday, the following Monday will be designated a holiday. The off-peak period is defined as all other hours not designated as on-peak hours.

Summer months are July and August; Non-Summer months are all other months. Definition of on-peak and off-peak periods is subject to change with change in Company's system operating characteristics or electric energy market standards.

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer at the same site during the same billing period shall be billed in accordance with the appropriate retail electric rates; thus, supplemental load service shall be provided to the DG customer through the Company's base electric rates. Company shall pay customer each month according to the applicable Energy and Capacity Purchase Payments and any applicable Distribution Facility Credit, established in the contracts under this tariff.
2. The customer must enter an Interconnection Agreement with the Company for the interconnection and parallel operation of any qualifying DG facility under this tariff.
3. In order to receive energy and capacity payments, the customer must execute a Power Purchase Agreement with Company.
4. Customer is responsible for any applicable study fees and interconnection costs. The customer must pay all such costs as specified in the Interconnection Agreement.
5. The customer shall be responsible for all costs associated with the installation, operation, and maintenance of the facility.
6. Company may assess a monthly fee for metering and billing the Energy and Capacity Purchase Payments and any applicable Distribution Facility Credit transactions. ~~Metering charges~~^{Typical costs for meter reading and billing} are shown below. For most DG installations, two meters are required. The appropriate metering options available are determined by the Minnesota Technical Requirements or utility requirements.
7. The voltage and phase of customer's distributed generation facility must be consistent with existing retail service configuration and is approved by the Company in accordance with the Company's interconnection requirements.
8. For interconnections not subject to the MN DIP or MN DIA, the customer must maintain a power factor close to unity as possible or as specified in the "Power Factor" provision of the "Distributed Generation Interconnection Requirements" section of this tariff. For interconnections that are subject to the MN DIP, the Power Factor shall be consistent with the MN Technical Requirements and MN DIA, including the Operating Agreement attached to the MN DIA or Uniform Statewide Contract.

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(Continued on Sheet No. 10-79)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
~~2nd~~^{3rd} Revised Sheet No. 80

CANCELED METERING PRICING APPLICABLE TO DER FACILITIES OPERATING IN PARALLEL WITH THE COMPANY

DNT

The metering pricing in the tables below apply depending on the size of the meter, the customer class, payment type (pre-paid or bundled), and whether or not the customer has a production meter installed. The rates below are additional to the metering costs included in the customer's retail billing. Where the customer has a production meter under a program tariff that provides that the customer does not pay for the production meter (i.e., 1st and 2nd generation Solar*Rewards at tariff sheets 9-17 and 9-37), then the production meter costs below do not apply.

Labor costs associated with the installation, maintenance, repair, or replacement of the meter are included in the tariff pricing for all non-Solar*Rewards Community DER under 250 kW AC. However, for all Solar*Rewards Community DER and non-Solar*Rewards Community DER sized 250kW AC and larger, labor costs are not reflected in the tariff rates but are billed separately to a customer based on actual costs.

The following service options include a mobile network charge for DER sized at 250kW AC and larger, and a metering charge that includes the meter and meter enclosure, but excludes the costs of transformers, wiring, PTs, CTs, overhead poles, rack and non-meter related materials and equipment.

- bundled pricing where a production meter is installed– Table 10-81,
- upfront and monthly ancillary pricing where a production meter is installed – Table 10-81.1,
- bundled pricing where no production meter is installed – Table 10-81.2, and
- upfront and monthly ancillary pricing where no production meter is installed – Table 10-81.3,

The excluded materials or equipment or associated labor are the cost responsibility of the customer.

Where the Customer has selected upfront pricing (Tables 10-81.1 and 10-81.3), to the extent to which the manufacturer of the meter has a warranty that applies to that meter, the Customer will receive the benefit of that warranty. Other than this, if the meter is repaired or replaced, the Interconnection Customer is responsible for the cost of the repair or replacement. Where there is a warranty that applies, and the meter needs to be repaired or replaced, the Customer needs to pay for Company labor costs (and other material and equipment costs) associated with the repair and replacement to the extent to which labor costs (and other material and equipment costs) are not covered by the warranty. Where the Customer has paid an upfront metering charge, the Customer is responsible for replacement metering costs.

Where the Interconnection Customer has selected bundled pricing - Table 10-81, or metering pricing where no production meter is installed (where the upfront and ancillary metering charges are included in the monthly charges) – Table 10-81.2, repair and replacement costs are included in the tariffed rate, except that for all Solar*Rewards Community (and non-Solar*Rewards Community DER sized 250kW AC and larger) labor costs are not reflected in the tariff rates but are billed separately to a customer based on actual costs.

The type of metering charge selected by the Customer at the time of meter installation remains for the duration of the DER.

Where a particular meter or metering requirement that is applicable to the Customer is not reflected in the tables below, then the closest applicable tariffed charges shall apply. However, if the meter or metering requirement is so different from the tariffed description then individual case basis pricing should apply.

In the tables below, the distinction between Small Commercial and Large Commercial Customers is that Small Commercial Customers are non-demand billed, and Large Commercial Customers are demand billed.

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(Continued on Sheet No. 10-81)

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By: Christopher B. Clark

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President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-~~48-714~~²⁰⁻

Order Date: ~~05-09-19~~

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**DISTRIBUTED GENERATION STANDARD
 INTERCONNECTION AND POWER PURCHASE TARIFF
 (Continued)**

Section No. 10
~~2nd~~^{3rd} Revised Sheet No. 81

CANCELED Table 10-81: Bundled Metering Pricing (upfront and ancillary metering charges are included in the following monthly charges)

DTN

<u>Meter Description</u>	<u>Customer Class</u>	<u>Bundled Monthly Metering Service (upfront and ancillary metering costs included)</u>
<u>Single Phase, under 100 kW</u>	<u>Residential</u>	<u>\$3.40</u>
	<u>Small Commercial</u>	<u>\$4.60</u>
	<u>Large Commercial</u>	<u>\$6.10</u>
<u>Three Phase, under 100 kW</u>	<u>Residential</u>	<u>\$4.20</u>
	<u>Small Commercial</u>	<u>\$5.40</u>
	<u>Large Commercial</u>	<u>\$6.90</u>
<u>100kW to 249.99kW Self-Contained Production Meter (not requiring real-time data)</u>	<u>All</u>	<u>\$6.90</u>
<u>100kW to 249.99kW – Three Phase, Instrument-rated Production Meter (not requiring real-time data)</u>	<u>All</u>	<u>\$12.00</u>
<u>250kW to 10 MW – Three Phase, Instrument-rated Production Meter (requiring real-time data)</u>	<u>All</u>	<u>\$59.00 \$72.00*</u>
<u>Under 250kW Point of Interconnection Meter for Solar*Rewards Community</u>	<u>Solar*Rewards Community</u>	<u>\$12.00</u>
<u>250kW to 10 MW Point of Interconnection Meter for Solar*Rewards Community</u>	<u>Solar*Rewards Community</u>	<u>\$72.00**</u>

Note: The above pricing is per production meter. Where telemetry has been installed, but the applicable rate above does not reference a * or **, then a mobile network charge of \$25.00 per month shall be applied in addition to that rate.

~~* Includes monthly mobile network costs.~~

** Includes monthly mobile network costs and annual maintenance

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(Continued on Sheet No. 10-~~8281.1~~)

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**DISTRIBUTED GENERATION STANDARD
 INTERCONNECTION AND POWER PURCHASE TARIFF
 (Continued)**

Section No. 10
 Original Sheet No. 81.1

Table 10-81.1: Upfront Metering Pricing (upfront charges are assessed and monthly ancillary metering charges are assessed that are not reflected in the upfront pricing)

<u>Meter Description</u>	<u>Customer Class</u>	<u>Upfront Metering Price (customer is responsible for maintenance and replacement costs)</u>	<u>Monthly Ancillary Metering Service (metering costs are pre-paid)</u>
<u>Single Phase, under 100 kW</u>	<u>Residential</u>	<u>\$92.00</u>	<u>\$2.50</u>
	<u>Small Commercial</u>	<u>\$92.00</u>	<u>\$3.70</u>
	<u>Large Commercial</u>	<u>\$92.00</u>	<u>\$5.20</u>
<u>Three Phase, under 100 kW</u>	<u>Residential</u>	<u>\$170.00</u>	<u>\$2.50</u>
	<u>Small Commercial</u>	<u>\$170.00</u>	<u>\$3.70</u>
	<u>Large Commercial</u>	<u>\$170.00</u>	<u>\$5.20</u>
<u>100kW to 249.99kW Self-Contained Production Meter (not requiring real-time data)</u>	<u>All</u>	<u>\$170.00</u>	<u>\$5.20</u>
<u>100kW to 249.99kW – Three Phase, Instrument-rated Production Meter (not requiring real-time data)</u>	<u>All</u>	<u>\$690.00</u>	<u>\$5.20</u>
<u>250kW to 10 MW – Three Phase, Instrument-rated Production Meter (requiring real-time data)</u>	<u>All</u>	<u>\$2740.00</u>	<u>\$30.00 \$44.00*</u>
<u>Under 250kW Point of Interconnection Meter for Solar*Rewards Community</u>	<u>Solar*Rewards Community</u>	<u>\$690.00</u>	<u>\$5.20</u>
<u>250kW to 10 MW Point of Interconnection Meter for Solar*Rewards Community</u>	<u>Solar*Rewards Community</u>	<u>\$2740.00</u>	<u>\$44.00**</u>

Note: The above pricing is per production meter. Where telemetry has been installed, but the applicable rate above does not reference a * or **, then a mobile network charge of \$25.00 per month shall be applied in addition to that rate.

~~* Includes monthly mobile network costs.~~

** Includes monthly mobile network costs and annual maintenance

(Continued on Sheet No. 10-81.2)

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**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
Original Sheet No. 81.2

Table 10-81.2: Metering Pricing Where No Production Meter is Installed (upfront and ancillary metering charges are included in the following monthly charges)

<u>Meter Description</u>	<u>Customer Class</u>	<u>Monthly Ancillary Metering Service (where no production meter installed)</u>
<u>Single & Three Phase, under 40 kW</u>	<u>Residential</u>	<u>\$1.90</u>
	<u>Small Commercial</u>	<u>\$2.60</u>
	<u>Large Commercial</u>	<u>\$3.50</u>

Note: The above pricing is per bi-directional meter. Where telemetry has been installed a mobile network charge of \$25.00 per month shall be applied in addition to the shown rate.

(Continued on Sheet No. 10-81.3)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
Original Sheet No. 81.3

Table 10-81.3:

Upfront Metering Pricing Where No Production Meter is Installed

(upfront charges are assessed and monthly ancillary metering charges are assessed that are not reflected in the upfront pricing)

<u>Meter Description</u>	<u>Customer Class</u>	<u>Upfront Metering Price (customer is responsible for maintenance and replacement costs)</u>	<u>Monthly Ancillary Metering Service</u>
<u>Single & Three Phase, under 40 kW</u>	<u>Residential</u>	<u>\$42.00</u>	<u>\$1.50</u>
	<u>Small Commercial</u>	<u>\$42.00</u>	<u>\$2.20</u>
	<u>Large Commercial</u>	<u>\$42.00</u>	<u>\$3.10</u>

Note: The above pricing is per bi-directional meter. Where telemetry has been installed a mobile network charge of \$25.00 per month shall be applied in addition to the shown rate.

(Continued on Sheet No. 10-82)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**EXCESS GENERATION-AVERAGE RETAIL UTILITY ENERGY
SERVICE
RATE CODE A50**

Section No. 9
28th 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

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Payment per kWh for Energy Delivered to Company in Excess of Energy Used	<u>Oct-May</u>	<u>Jun-Sep</u>
With Retail Non-Demand Metered Service	\$0.11402	\$0.11964
With Retail Demand Metered Service	\$0.06302	\$0.06527

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.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SALE TO COMPANY AFTER CUSTOMER SELF-USE
RATE CODE A51, A52**

Section No. 9
26th Revised Sheet No. 3

AVAILABILITY

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

RATE

Metering charges are as set forth in the Section 10 tariff

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

Payment Schedule for Energy Delivered to Company (A51)	<u>Oct-May</u>	<u>Jun-Sep</u>
Energy Payment per kWh	\$0.02310	\$0.02237
Capacity Payment for Firm Power per kWh	\$0.00214	\$0.01410

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

Payment Schedule for Energy Delivered to Company (A52)	<u>Oct-May</u>	<u>Jun-Sep</u>
On Peak Energy Payment per kWh	\$0.02693	\$0.02926
Off Peak Energy Payment per kWh	\$0.02107	\$0.01864
Capacity Payment for Firm Power per On Peak kWh	\$0.00617	\$0.04040

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)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MONTHLY NET METERING
RATE CODE A53, A54**

Section No. 9
25th 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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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)

	<u>Oct-May</u>	<u>Jun-Sep</u>
Energy Payment per kWh	\$0.02310	\$0.02237
Capacity Payment for Firm Power per kWh	\$0.00214	\$0.01410

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)

	<u>Oct-May</u>	<u>Jun-Sep</u>
On Peak Energy Payment per kWh	\$0.02693	\$0.02926
Off Peak Energy Payment per kWh	\$0.02107	\$0.01864
Capacity Payment for Firm Power per On Peak kWh	\$0.00617	\$0.04040

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)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ANNUAL NET METERING (KWH BANKING OPTION)
RATE CODE A55, A56

Section No. 9
4th 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.

	<u>Annual</u>
Energy Payment per kWh for Customers on non-time of day Service Tariffs (A55)	\$0.02283

	<u>Annual</u>
Time of Day Service Customers (A56)	
On Peak Energy Payment per kWh	\$0.02778
Off Peak Energy Payment per kWh	\$0.02018

Capacity Payment for Firm Power where customer receives	<u>Oct-May</u>	<u>Jun-Sep</u>
non-time of day retail electric service per kWh	\$0.00214	\$0.01410
time of day retail electric service per on-peak kWh	\$0.00617	\$0.04040

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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**RULES AND REGULATIONS APPLICABLE TO
COGENERATION AND SMALL POWER PRODUCTION
FACILITIES (Continued)**

Section No. 9
3rd Revised Sheet No. 6

MAIN SERVICE METERING SCENARIOS

1. No Sale to Company

If customer does not intend to sell energy to Company, the billing of customer's electrical consumption provided by Company will be on the available retail rates and the electric meter measuring this consumption will be configured to allow measurement only of energy flow into the customer's premises. Customer will provide all meter socket replacement and rewiring required to accommodate this meter that measures energy flow in one direction only. Where the customer chooses no sale to the Company, the customer will need to sign either the Section 10 Interconnection Agreement where the MN DIP does not apply, or the MN DIA where the MN DIP does apply, but does not need to sign the Section 9 Uniform Statewide Contract. Even if the no sale option is selected, for systems sized 40 kW AC or larger, the customer will still need a production meter for a new interconnection of a generating system, and the metering charge will correspond to the applicable metering charge in the Section 10 tariff.

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2. Sale of All or Part of Customer Produced Energy

If customer intends to sell energy to Company under this Section 9 tariff, a meter will be installed by the Company that will record energy delivered. Production meters are not required for systems rated under 40 kW. Customer will provide all meter socket replacement and rewiring required to install any applicable meter.

REVENUE LOSS

Company shall not be liable for revenue lost by customer due to Company's inability to purchase or wheel customer generated energy for any reason not within Company's reasonable control.

(Continued on Sheet No. 9-7)

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**RULES AND REGULATIONS APPLICABLE TO COGENERATION
AND SMALL POWER PRODUCTION FACILITIES (Continued)**

Section No. 9
3rd Revised Sheet No. 8

SPECIAL INTERCONNECTION FACILITIES

The metering charge assumes common use of all Company facilities, up to the metering point, for both receipt and delivery of energy. Any additional facilities required by Company to accommodate the QF or NMF will require QF or NMF to pay a net interconnection charge in advance.

METERING REQUIREMENTS

The QF or NMF shall make provision for on-site metering. On-site use of QF or NMF output shall be unmetered for purposes of compensation. QF or NMF shall cooperate with and allow Company to install and have access to on-site monitoring equipment for purposes of gathering QF or NMF performance data. A Company-owned bi-directional meter is required to be installed at each service location associated with each new Customer generation source subject to this tariff. A production meter may be required, in addition to the bi-directional meter, in certain circumstances. A production meter is not required for systems rated under 40 kW AC, unless that system is subject to an incentive or program rule requiring a production meter (e.g., Solar*Rewards). A production meter is required for all systems rated 40 kW AC or above. Customer will provide all meter housing and socket replacement and rewiring to install the metering.

BI-DIRECTIONAL METER

A bi-directional meter located at the main service will record energy delivered to the customer from the Company, and energy received by the Company from customer. Installation of a new bi-directional meter may not be required if the configuration of a customer's facilities allows and a previously installed bi-directional meter provides the information necessary for billing purposes.

PRODUCTION METER

The second (Production) meter will record energy generated by the QF or NMF system only. The Company shall install, or cause to be installed, own, operate and maintain the Production meter to measure the AC production of the QF or NMF system when a production meter is required. At customer's request, additional production meters, beyond Company-required production meters, may be installed if approved by the Company at the Customer's expense.

METERING CHARGES

Customer shall be charged the applicable metering charges as set forth in the Section 10 tariff. Payment for any additional facilities required by Company to accommodate the QF or NMF system will be consistent with the MN DIP, and where applicable, the MN DIA.

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(Continued on Sheet No. 9-8.1)

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**STANDARD CONTRACT FOR
SOLAR*REWARDS COMMUNITY (Continued)**

Section No. 9
3rd Revised Sheet No. 75

3. Metering Charges and Requirements

A. Metering Charges are as set forth in the Section 10 tariff.

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B. A Company-owned meter is required to be installed at each service location associated with each Community Solar Garden generation source subject to this Contract. The meter is located at the main service and will record energy delivered to the Community Solar Garden Operator from the Company, and also will record energy produced by the Community Solar Garden and delivered to the Company. Community Solar Garden Operator will provide all meter housing and socket replacement and rewiring to install the meter. Community Solar Garden Operator shall be charged monthly the metering charge for the main service meter.

4. Title, Risk of Loss, and Warranty of Title. As between the Parties, the Community Solar Garden Operator shall be deemed to be in control of the photovoltaic energy output from the PV System up to and until delivery and receipt by the Company at the Production Meter and the Company shall be deemed to be in control of such energy from and after delivery and receipt at such Production Meter. Title and risk of loss related to the photovoltaic energy shall transfer to the Company at the Production Meter. The Community Solar Garden warrants and represents to the Company that it has or will have at the time of delivery good and sufficient title to all photovoltaic energy output and/or the ability to transfer good and sufficient title of same to the Company.

5. Interconnection Requirements. The Community Solar Garden Operator must sign the applicable Interconnection Agreement under Section 10 of the Company's rate book, and comply with all of the terms and conditions of that Interconnection Agreement except as otherwise specified in this Contract. The following additional interconnection terms also apply.

A. Where the tariffed Interconnection Agreement is used in conjunction with this tariffed Contract, the term of the Interconnection Agreement shall end twenty five (25) years after the Date of Commercial Operation.

B. To the extent to which the ADDITIONAL TERMS AND CONDITIONS set forth in Section 9, Sheets 68 through 68.16 differ from the Section 10 tariff, these ADDITIONAL TERMS AND CONDITIONS shall control for applications that are not subject to the MN DIP. The ADDITIONAL TERMS AND CONDITIONS set forth in tariff Section 9, Sheet Nos. 68.17 through 68.21, fully apply if the application that is the subject of this Agreement is subject to the MN DIP.

(Continued on Sheet No. 9-76)

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**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
3rd Revised Sheet No. 78

Definition of Peak Periods

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 a Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on a Sunday, the following Monday will be designated a holiday. The off-peak period is defined as all other hours not designated as on-peak hours.

Summer months are July and August; Non-Summer months are all other months. Definition of on-peak and off-peak periods is subject to change with change in Company's system operating characteristics or electric energy market standards.

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer at the same site during the same billing period shall be billed in accordance with the appropriate retail electric rates; thus, supplemental load service shall be provided to the DG customer through the Company's base electric rates. Company shall pay customer each month according to the applicable Energy and Capacity Purchase Payments and any applicable Distribution Facility Credit, established in the contracts under this tariff.
2. The customer must enter an Interconnection Agreement with the Company for the interconnection and parallel operation of any qualifying DG facility under this tariff.
3. In order to receive energy and capacity payments, the customer must execute a Power Purchase Agreement with Company.
4. Customer is responsible for any applicable study fees and interconnection costs. The customer must pay all such costs as specified in the Interconnection Agreement.
5. The customer shall be responsible for all costs associated with the installation, operation, and maintenance of the facility.
6. Company may assess a monthly fee for metering and billing the Energy and Capacity Purchase Payments and any applicable Distribution Facility Credit transactions. Metering charges are shown below. For most DG installations, two meters are required. The appropriate metering options available are determined by the Minnesota Technical Requirements or utility requirements.
7. The voltage and phase of customer's distributed generation facility must be consistent with existing retail service configuration and is approved by the Company in accordance with the Company's interconnection requirements.
8. For interconnections not subject to the MN DIP or MN DIA, the customer must maintain a power factor close to unity as possible or as specified in the "*Power Factor*" provision of the "*Distributed Generation Interconnection Requirements*" section of this tariff. For interconnections that are subject to the MN DIP, the Power Factor shall be consistent with the MN Technical Requirements and MN DIA, including the Operating Agreement attached to the MN DIA or Uniform Statewide Contract.

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(Continued on Sheet No. 10-79)

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**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
3rd Revised Sheet No. 80

METERING PRICING APPLICABLE TO DER FACILITIES OPERATING IN PARALLEL WITH THE COMPANY

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The metering pricing in the tables below apply depending on the size of the meter, the customer class, payment type (pre-paid or bundled) , and whether or not the customer has a production meter installed. The rates below are additional to the metering costs included in the customer's retail billing. Where the customer has a production meter under a program tariff that provides that the customer does not pay for the production meter (i.e., 1st and 2nd generation Solar*Rewards at tariff sheets 9-17 and 9-37), then the production meter costs below do not apply.

Labor costs associated with the installation, maintenance, repair, or replacement of the meter are included in the tariff pricing for all non-Solar*Rewards Community DER under 250 kW AC. However, for all Solar*Rewards Community DER and non-Solar*Rewards Community DER sized 250kW AC and larger, labor costs are not reflected in the tariff rates but are billed separately to a customer based on actual costs.

The following service options include a mobile network charge for DER sized at 250kW AC and larger, and a metering charge that includes the meter and meter enclosure, but excludes the costs of transformers, wiring, PTs, CTs, overhead poles, rack and non-meter related materials and equipment.

- bundled pricing where a production meter is installed– Table 10-81,
- upfront and monthly ancillary pricing where a production meter is installed – Table 10-81.1,
- bundled pricing where no production meter is installed – Table 10-81.2, and
- upfront and monthly ancillary pricing where no production meter is installed – Table 10-81.3,

The excluded materials or equipment or associated labor are the cost responsibility of the customer.

Where the Customer has selected upfront pricing (Tables 10-81.1 and 10-81.3), to the extent to which the manufacturer of the meter has a warranty that applies to that meter, the Customer will receive the benefit of that warranty. Other than this, if the meter is repaired or replaced, the Interconnection Customer is responsible for the cost of the repair or replacement. Where there is a warranty that applies, and the meter needs to be repaired or replaced, the Customer needs to pay for Company labor costs (and other material and equipment costs) associated with the repair and replacement to the extent to which labor costs (and other material and equipment costs) are not covered by the warranty. Where the Customer has paid an upfront metering charge, the Customer is responsible for replacement metering costs.

Where the Interconnection Customer has selected bundled pricing - Table 10-81, or metering pricing where no production meter is installed (where the upfront and ancillary metering charges are included in the monthly charges) – Table 10-81.2, repair and replacement costs are included in the tariffed rate, except that for all Solar*Rewards Community (and non-Solar*Rewards Community DER sized 250kW AC and larger) labor costs are not reflected in the tariff rates but are billed separately to a customer based on actual costs.

The type of metering charge selected by the Customer at the time of meter installation remains for the duration of the DER.

Where a particular meter or metering requirement that is applicable to the Customer is not reflected in the tables below, then the closest applicable tariffed charges shall apply. However, if the meter or metering requirement is so different from the tariffed description then individual case basis pricing should apply.

In the tables below, the distinction between Small Commercial and Large Commercial Customers is that Small Commercial Customers are non-demand billed, and Large Commercial Customers are demand billed.

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(Continued on Sheet No. 10-81)

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**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
3rd Revised Sheet No. 81

Table 10-81: Bundled Metering Pricing (upfront and ancillary metering charges are included in the following monthly charges)

Meter Description	Customer Class	Bundled Monthly Metering Service (upfront and ancillary metering costs included)
Single Phase, under 100 kW	Residential	\$3.40
	Small Commercial	\$4.60
	Large Commercial	\$6.10
Three Phase, under 100 kW	Residential	\$4.20
	Small Commercial	\$5.40
	Large Commercial	\$6.90
100kW to 249.99kW Self-Contained Production Meter (not requiring real-time data)	All	\$6.90
100kW to 249.99kW – Three Phase, Instrument-rated Production Meter (not requiring real-time data)	All	\$12.00
250kW to 10 MW – Three Phase, Instrument-rated Production Meter (requiring real-time data)	All	\$72.00*
Under 250kW Point of Interconnection Meter for Solar*Rewards Community	Solar*Rewards Community	\$12.00
250kW to 10 MW Point of Interconnection Meter for Solar*Rewards Community	Solar*Rewards Community	\$72.00*

Note: The above pricing is per production meter. Where telemetry has been installed, but the applicable rate above does not reference a *, then a mobile network charge of \$25.00 per month shall be applied in addition to that rate.

* Includes monthly mobile network costs and annual maintenance

(Continued on Sheet No. 10-81.1)

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**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
Original Sheet No. 81.1

Table 10-81.1: Upfront Metering Pricing (upfront charges are assessed and monthly ancillary metering charges are assessed that are not reflected in the upfront pricing)

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Meter Description	Customer Class	Upfront Metering Price (customer is responsible for maintenance and replacement costs)	Monthly Ancillary Metering Service (metering costs are pre-paid)
Single Phase, under 100 kW	Residential	\$92.00	\$2.50
	Small Commercial	\$92.00	\$3.70
	Large Commercial	\$92.00	\$5.20
Three Phase, under 100 kW	Residential	\$170.00	\$2.50
	Small Commercial	\$170.00	\$3.70
	Large Commercial	\$170.00	\$5.20
100kW to 249.99kW Self-Contained Production Meter (not requiring real-time data)	All	\$170.00	\$5.20
100kW to 249.99kW – Three Phase, Instrument-rated Production Meter (not requiring real-time data)	All	\$690.00	\$5.20
250kW to 10 MW – Three Phase, Instrument-rated Production Meter (requiring real-time data)	All	\$2740.00	\$44.00*
Under 250kW Point of Interconnection Meter for Solar*Rewards Community	Solar*Rewards Community	\$690.00	\$5.20
250kW to 10 MW Point of Interconnection Meter for Solar*Rewards Community	Solar*Rewards Community	\$2740.00	\$44.00*

Note: The above pricing is per production meter. Where telemetry has been installed, but the applicable rate above does not reference a *, then a mobile network charge of \$25.00 per month shall be applied in addition to that rate.

* Includes monthly mobile network costs and annual maintenance

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(Continued on Sheet No. 10-81.2)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
Original Sheet No. 81.2

Table 10-81.2: Metering Pricing Where No Production Meter is Installed (upfront and ancillary metering charges are included in the following monthly charges)

Meter Description	Customer Class	Monthly Ancillary Metering Service (where no production meter installed)
Single & Three Phase, under 40 kW	Residential	\$1.90
	Small Commercial	\$2.60
	Large Commercial	\$3.50

Note: The above pricing is per bi-directional meter. Where telemetry has been installed a mobile network charge of \$25.00 per month shall be applied in addition to the shown rate.

(Continued on Sheet No. 10-81.3)

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**DISTRIBUTED GENERATION STANDARD
INTERCONNECTION AND POWER PURCHASE TARIFF
(Continued)**

Section No. 10
Original Sheet No. 81.3

Table 10-81.3:

Upfront Metering Pricing Where No Production Meter is Installed

(upfront charges are assessed and monthly ancillary metering charges are assessed that are not reflected in the upfront pricing)

Meter Description	Customer Class	Upfront Metering Price (customer is responsible for maintenance and replacement costs)	Monthly Ancillary Metering Service
Single & Three Phase, under 40 kW	Residential	\$42.00	\$1.50
	Small Commercial	\$42.00	\$2.20
	Large Commercial	\$42.00	\$3.10

Note: The above pricing is per bi-directional meter. Where telemetry has been installed a mobile network charge of \$25.00 per month shall be applied in addition to the shown rate.

(Continued on Sheet No. 10-82)

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