



414 Nicollet Mall
Minneapolis, MN 55401

August 14, 2018

—Via Electronic Filing—

Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

RE: REPLY
SOLAR*REWARDS PROGRAM AND COMMUNITY SOLAR GARDEN PROGRAM
TARIFF UPDATES
DOCKET NO. E002/M-18-381

Dear Mr. Wolf,

Northern States Power Company, doing business as Xcel Energy, submits these Reply Comments regarding its Petition to update the tariff language for the Solar*Rewards program. In this Reply, we propose a change to our initial Petition based on recent feedback from solar installers. In addition, we provide further details on the compliance filing recommended by the Department of Commerce in their July 30, 2018 Comments, addressing the monthly metering rate and tariffed Solar*Rewards Contract.

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 Jessica Peterson at jessica.k.peterson@xcelenergy.com or (612) 330-6850 if you have any questions regarding this filing.

Sincerely,

/s/

SHAWN WHITE
MANAGER
DSM REGULATORY STRATEGY & PLANNING

Enclosures
c: Service List

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Nancy Lange	Chair
Dan Lipschultz	Commissioner
Matthew Schuerger	Commissioner
Katie J. Sieben	Commissioner
John A. Tuma	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF PROGRAM TARIFF
UPDATES FOR SOLAR*REWARDS

DOCKET No. E002/M-18-381

REPLY COMMENTS

OVERVIEW

Northern States Power Company, doing business as Xcel Energy, submits these Reply Comments regarding its Petition to update the tariff language for the Solar*Rewards program. In this Reply, we propose a change to our initial Petition based on recent feedback from solar installers. Specifically, compared to what we had proposed in our original petition, we now propose to apply the 40 kW limit in Minn. Stat. §116C.7792 in a manner that would allow more photovoltaic (PV) capacity not subject to an Solar*Rewards incentive (incentive) at the same Service Address without jeopardizing the incentive for any PV system installed prior to the effective date of the revised statute. The revisions in this Reply better align with legislative intent.

In addition, we provide further details on the compliance filing recommended by the Department of Commerce (Department) in their July 30, 2018 Comments, addressing the monthly metering rate and tariffed Solar*Rewards Contract.

REPLY

I. TARIFF ADJUSTMENTS

On July 30, 2018, the Department submitted Comments on our proposed tariff changes to the Solar*Rewards and Community Solar Garden programs. We appreciate the Department's recommendation to approve these tariff changes, which are based on recent legislation revising Minn. Stat. §116C.7792 [Solar Energy Incentive

Program]. This legislative revision increased the nameplate capacity of eligible PV systems from 20 kW to 40 kW.

After additional discussions with the solar installer community, we have identified a need for further clarification regarding how the total aggregate capacity at the Service Address (including both incentive and non-incentive photovoltaic generating systems) impacts continued eligibility for the Solar*Rewards program. We believe the legislative intent of the revised Minn. Stat. §116C.7792 was to increase the eligible capacity for Solar*Rewards incentive to 40 kW for photovoltaic systems at a Service Address. Our suggested edits in our original petition were consistent with this understanding, but also included an aggregate cap for all solar energy systems at the Service Address equal to 40 kW where one of the systems is subject to the incentive (matching the statutory language). By adopting this aggregate limit, we did not intend to constrain the ability for a customer with a pre-existing Solar*Rewards system from adding additional capacity outside of the Solar*Rewards program at the Service Address.

When communicating with a customer who had previously installed a 20 kW system subject to the incentive under the Solar*Rewards program and now in the process of finalizing installation of a non-incentive 40+kW system at the same Service Address, we became aware of an unintended consequence of our proposed tariff language. Under our tariff submitted in our initial Petition, this situation would jeopardize future incentive payments under the Solar*Rewards program.

We believe that the intent of the revised statute is to allow a customer with a PV system subject to the incentive and installed prior to the date of the revised statute to add non-incentive PV systems at the same Service Address above 40 kW without jeopardizing the incentive for the PV system installed prior to the date of the revised statute. Therefore, we are proposing a modification to our initial proposal.

To create clarity on the intent of our revised redlines in these Reply Comments, we provide the following hypothetical situations. Below, the defined term “new system” refers to a PV system installed on or after June 1, 2018 (the effective date of the revised statute). All of these hypothetical examples are subject to other program terms and conditions, including the 120% rule in the tariff.

1. If a customer has a 20 kW system subject to the incentive and installed prior to June 1, 2018 the customer may add up to 20 kW in a new system that can also be subject to the incentive as long as the total aggregate capacity of systems subject to the incentive is not more than 40 kW.

2. If a customer has a 20 kW system subject to the incentive and installed prior to June 1, 2018 the customer may add a non-incentive 40+kW new system and not jeopardize the incentive for the old system.
3. If a customer has a 20 kW system subject to the incentive and installed prior to June 1, 2018 the customer may add up to 20 kW in a new system that can also be subject to the Solar*Rewards incentive. But, if the customer then adds any additional new system so that the total aggregate capacity of all systems (incentive plus non-incentive) exceeds 40 kW, then the customer will no longer be eligible for any further incentive payments for the new 20 kW system.
4. If a customer has a 40 kW new system subject to the incentive and then adds a 500 kW new system, the customer will no longer be eligible for any further incentive payments for the 40 kW system once the 500 kW system is installed.
5. If the customer wants to have a 700 kW new system, and wants to co-locate systems to arbitrage programs so that 40 kW would be a new system subject to the incentive, and the remaining 660 kW would be subject to the PV Demand Credit Rider, this would not be allowed. This would violate the 40 kW aggregate limit at the Service Address that would apply to any new system subject to the incentive. The customer could have the entire 700 kW system be subject to the PV Demand Credit Rider if the system qualifies for that.
6. The PV Demand Credit Rider can be applied to solar systems installed at the same premise as a Solar*Rewards system, as long as the systems are separately metered and the Solar*Rewards system was installed prior to June 1, 2018. This is because the PV Demand Credit Rider only applies to systems greater than 40 kW (AC), and having such as system at the same premise as any new system subject to the incentive would automatically trigger the 40 kW limit.

The original proposed redline language for Section 9 Tariff, Sheet 33 in our Petition read:

- a. Customer will be installing the electric generating facilities described in Exhibit 1 (the "PV System") and meeting the requirements stated in this Contract, with a nameplate capacity rated at greater than 0.5 kilowatts and ~~less no more~~ than ~~240~~ kilowatts direct current ("DC") ~~per premise~~, on property located at the Service Address. ~~The total aggregate nameplate capacity per premise of all solar energy systems shall be no more than 40 kilowatts DC.~~

We propose to no longer include the last sentence above (*The total aggregate nameplate capacity per premise of all solar energy systems shall be no more than 40 kilowatts DC*), and instead propose to add the following revision to Sheet 35:

- e. Where the PV System at the Service Address is subject to a Solar*Rewards contract and was installed prior to June 1, 2018, then the Customer may add one or more additional photovoltaic generating systems at the Service Address that are not subject to an incentive under the Solar*Rewards program even if total aggregate capacity of the PV System with the additional photovoltaic generating systems at the Service Address exceeds 40 kW DC. If on or after June 1, 2018, the Customer installs any photovoltaic generating system at the Service Address that is subject to the Solar*Rewards incentive, any such photovoltaic generating system installed on or after June 1, 2018, will no longer be eligible for the incentive once the total aggregate capacity of all photovoltaic generating systems at the Service Address exceeds 40 kW DC.

The specific revisions we propose in these Reply Comments, in addition to other changes in our original petition for Sheets 33, 36, 37, 50, 52 and 53, are as follows:

Electric Rate Book – Section 9	Revisions
Sheet No. 33	Remove addition of related aggregate capacity requirement.
Sheet No. 35	Addition of language addressing system aggregation
Sheet Nos. 50 and 52	Addition of language addressing system aggregation. Identical to the language found on Sheet Nos. 33 and 35 for Solar*Rewards for Community Solar Gardens with addition of “Community Solar Garden Operator”.

The Company respectfully request approval of this modification to our Petition filed on June 8, 2018. We have filed our tariff provisions in both redline and final with this Reply in Attachment A. These redline tariffed sheets show the current version of all suggested changes to our tariffs in this docket.

II. COMPLIANCE FILING

In their Comments, the Department also recommended that Xcel Energy file a compliance filing as a result of the Company’s responses to two Commission Staff

information requests. The Department proposed the following information be included in the compliance filing:

- An accounting of the bill credits, including interest provided to customers incorrectly billed for the production meter;
- Copies of notices sent to customers regarding the Solar*Rewards contract updates; and
- An explanation of the corrective actions taken to ensure that such a mix-up does not happen again.

A. Monthly Production Metering Charges

According to our Section 9 Tariff, Sheet No. 37, Solar*Rewards program participants are provided the production meter free of charge at the Company's expense. The production meter is needed to measure system generation for the incentive pay. The Company revised its tariffed net metering rates effective July 21, 2017, establishing a lower monthly metering charge for customers who do not have a production meter and a higher monthly metering charge for those customers who do have a production meter (Section 9 Tariff, Sheets 2-3, rate Codes A50-A54). The Company discovered that since July 21, 2017, we have been billing Solar*Rewards participants the higher monthly production metering charge, although this is not allowed by our Section 9 tariff.

The Company will correct the billing error in the monthly metering charge for the impacted Solar*Rewards participants. First, these customers will begin to pay the lower monthly non-production metering rate during their September billing cycle. Once this change has been in effect for one billing period, we will refund customers the difference between paying the higher monthly metering charge instead of the correct lower metering charge. This correction will be made in the form of a bill credit on the Solar*Rewards customer's bill, including interest on the amount that was over-charged. In addition, the impacted customers will receive a letter explaining the reason for the monthly metering charge change and bill credit.

A separate accounting of the bill credits will also be provided, including interest provided to customers incorrectly billed for the production meter, once the refund has been completed. We anticipate these credits will be applied in our October billing cycle and we will file a compliance filing within 30-days of refund completion.

The Company is planning to propose future tariff modifications to adjust the Section 9 Tariff prospectively so that customers will be responsible for production meter costs.

B. Solar*Rewards Customer Contract

The Solar*Rewards Customer Contract, approved by the Commission, is included in the Company's Section 9 Tariff, Sheets 33-48. We discovered recently that since August 2014, the Customer Contract available through our online application system and signed by program participants has been different than the tariffed Customer Contract.

Beginning July 23, 2018, Xcel Energy updated the online application system so that the correct, tariffed version of the Customer Contract is now available for signature. For contracts that are already executed, there is no need to sign a new or amended contract. Section 9 Tariff, Sheet 43, part 8.a. provides that the signed contract is always subject to the terms of our tariff.

Consistent with our tariff, we have posted a notice and explanation of the Customer Contract changes on our website.¹ Customers will also receive notice of the contract changes through a customer letter either separately or in combination with the billing credit letter described above. We will include additional information about these notices in our compliance filing.

In order to ensure that the online version of the Customer Contract aligns with the tariffed Customer Contract, we have established a process and checkpoints to update the online application system upon any change to the Customer Contract and on a yearly basis.

CONCLUSION

The Company appreciates the Department's Comments and recommendation to approve our tariff changes for the Solar*Rewards program. We believe our proposed modification to the 40 kW aggregate limit for those PV systems subject to the incentive that were installed prior to June 1, 2018 is reasonable and reflects the intent of the legislature.

¹

https://www.xcelenergy.com/programs_and_rebates/residential_programs_and_rebates/renewable_energy_options_residential/solar/available_solar_options/on_your_home_or_in_your_yard/solar_rewards_for_residences

We are taking steps to correct the production metering charges for Solar*Rewards participants and have made available the correct version of the Customer Contract through our online application system. Further, we are taking additional actions to help prevent similar mistakes in the future. Customers will be informed, via a letter, regarding the reasons for the monthly metering charge change, bill credit, and Customer Contract modifications. Per the Department's request, our compliance filing will include accounting for the bill credits and information about customer notices and filed within 30-days of refund completion.

Dated: August 14, 2018

Northern States Power Company

Redline

SOLAR*REWARDS CUSTOMER CONTRACT

Section No. 9

~~Original~~1st Revised Sheet No. 33

Application ID: _____

SOLAR*REWARDS

CUSTOMER CONTRACT

Customer-Sited Photovoltaic (PV) Systems Greater than 0.5 kW and ~~Less No More~~ than 240 kW DC Nameplate Capacity

This Contract is made and entered into by and between Northern States Power Company, a Minnesota corporation, having a mailing address of 414 Nicollet Mall, Minneapolis, Minnesota 55401 ("Company"), and _____ (whether one or more, "Customer"), whose mailing address for billing and notice purposes is: _____, concerning electric service at the following address: _____ (the "Service Address").

1. Fact Background.

- a. Customer will be installing the electric generating facilities described in Exhibit 1 (the "PV System") and meeting the requirements stated in this Contract, with a nameplate capacity rated at greater than 0.5 kilowatts and ~~lessno more~~ than 240 kilowatts direct current ("DC") per premise, on property located at the Service Address.
- b. Customer's PV System also meets the requirements of the Minnesota Public Utilities Commission (the "Commission") Rules Chapter 7835 on Cogeneration and Small Power Production and any technical standards for interconnection the Company has established that are authorized by those Rules.
- c. Customer is prepared to generate electricity in parallel with the Company using the PV System.
- d. Customer has submitted to Company and paid an engineering review fee of \$250.00. Unfunded applicants for whom engineering review has not been completed will receive a full refund for this fee.
- e. The Company is obligated under federal and Minnesota state law to interconnect with Customer and to purchase electricity generated by Customer through qualifying facilities and offered for sale to Company by Customer.
- f. A Customer who receives approval for, or is a participant in, the Made in Minnesota program for the PV System covered by this Contract shall not receive any benefits under this Contract and shall return to the Company all monies paid or credited under this Contract.
- g. Customer and Company enter into this Contract which sets out the terms and conditions for the purchase and sale of the electricity generated by the PV System ("Solar*Rewards Program"), and related matters.

(Continued on Sheet No. 9-34)

Date Filed: ~~10-31-13~~06-08-18 By: ~~David M. Sparby~~Christopher B. Clark Effective Date: 07-23-14
President, ~~and CEO of~~ Northern States Power Company, a Minnesota corporation
Docket No. -E002/M-~~13-104518-~~ Order Date: 07-23-14

SOLAR*REWARDS CUSTOMER CONTRACT
(Continued)

Section No. 9
~~Original~~1st Revised Sheet No. 35

2. Purchases and Sales of Electricity. (Continued)

- e. The Company will compute the charges and payments for purchases and sales of electricity for each billing period. If the payments for electricity generated by the PV System and sold to Company exceed the charges for electricity which the Company supplies and sells to Customer (i.e. net positive production by the PV System), the credit will accumulate on the Company's billing statement to Customer and will be paid by check to Customer within fifteen (15) days of the billing date once the accumulated credit exceeds \$25.00.
- f. Company may stop providing electricity to Customer during a system emergency, without notice. Company will give Customer prior notice by telephone or regular U.S. mail when Company is to stop providing electricity in non-emergency circumstances. The Company will not discriminate against Customer when it stops providing electricity or when it resumes providing electricity. Company may stop purchasing electricity from Customer when necessary to construct, install, maintain, repair, replace, remove, investigate or inspect any equipment or facilities within its electric system when this activity would be adversely affected if customer were supplying power to the system. Company will give Customer prior notice by telephone or regular U.S. mail letter when Company will stop purchasing electricity from Customer.

3. Ownership of Renewable Energy Credits and Incentive Payment.

Customer and Company agree:

- a. On the terms and subject to the conditions set forth in this Contract, the Customer agrees to convey to the Company and the Company will own all of the Renewable Energy Credits ("RECs"), defined in Section 5(l) below generated by the PV System at the Service Address for a term of ten (10) years from the installation date set forth in the "Actual System Installation Information" attached to this Contract as Exhibit 1.
- b. In consideration for Customer's participation in Company's Solar*Rewards Program, Company shall pay a predetermined per kWh financial incentive for the PV System production prior to any net metering adjustments for ten (10) years beginning with final commissioning. The incentive will remain set for the 10-year payment period and will not vary from year to year. PV System production will accumulate for each year. Within ninety (90) days after the end of each year, the Customer will receive an incentive check equal to the year's PV production, as measured by the billing statement that includes December 31, times the \$/kWh incentive. No incentive shall accrue after ten (10) years from the commissioning of the PV System, and the final incentive calculation will be at the end of that year, with the billing statement that includes December 31.
- c. The \$/kWh incentive is as follows: The Company shall pay \$0.08/kWh for the PV System production. This \$/kWh incentive amount may be changed by a tariff amendment to this Contract prior to both parties signing this Contract.
- d. The \$/kWh incentive may be assigned by the Customer to a third party.
- e. Where the PV System at the Service Address is subject to a Solar*Rewards contract and was installed prior to June 1, 2018, then the Customer may add one or more additional photovoltaic generating systems at the Service Address that are not subject to an incentive under the Solar*Rewards program even if total aggregate capacity of the PV System with the additional photovoltaic generating systems at the Service Address exceeds 40 kW DC. If on or after June 1, 2018, the Customer installs any photovoltaic generating system at the Service Address that is subject to the Solar*Rewards incentive, any such photovoltaic generating system installed on or after June 1, 2018, will no longer be eligible for the incentive once the total aggregate capacity of all photovoltaic generating systems at the Service Address exceeds 40 kW DC.

(Continued on Sheet No. 9-36)

Date Filed: ~~06-08-18~~10-31-13 By: ~~David M. Sparby~~Christopher B. Clark Effective Date: ~~07-23-14~~
President, and CEO of Northern States Power Company, a Minnesota corporation
Docket No. -E002/M-~~13-1015~~ Order Date: ~~07-23-14~~

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SOLAR*REWARDS CUSTOMER CONTRACT
(Continued)

Section No. 9
~~Original~~ 1st Revised Sheet No. 36

4. Representations by Customer.

Customer hereby makes the following representations and warranties to Company:

- a. Customer warrants that the person signing this Contract on behalf of Customer is authorized and competent to sign this Contract and to bind Customer to the terms of this Contract.
- b. Customer receives electric service from Company at the Service Address set forth above, is the person in whose name electric service is listed at the Service Address, and is the owner of the property at the Service Address.
- c. Customer is an end-use electric consumer located within the electric service territory of Company in Minnesota whose primary business is not the generation of electricity for retail or wholesale sale from the same facility. Customer is not installing the PV System at the Service Address in connection with a business of developing or improving real estate for resale.
- d. Customer shall install a new PV System at the Service Address, which shall have at least a five (5) year warranty, and shall be installed as of the date set forth in Exhibit 1.
- e. The PV System shall be located on the Customer's facilities at the Service Address at all times during the term of this Contract.
- f. The PV System has a minimum nameplate DC output capacity of 500 watts and a maximum capacity of ~~less~~ no more than 240 kilowatts.
- g. Customer represents that the PV System shall be sized, when combined with other distributed generation resources servicing and subscriptions provided under the Solar*Rewards Community program associated with the Service Address, to supply no more than one hundred twenty percent (120%) of the previous annual (12-month) consumption of electric energy by Customer at the Service Address. Customer acknowledges that Solar*Rewards Program is only available to PV Systems where the estimated annual generation, as determined by the National Renewable Energy Laboratory's PVWatts™ calculator is not more than 120% of the previous annual (12-month) electric energy consumption at the Service Address. If historical electric energy consumption data is not available due to new construction, the Company will calculate the estimated annual electric energy consumption.
- h. PV equipment including, but not limited to modules, inverters, etc., as described in Customer's completed Exhibit 1 shall meet eligibility requirements when listed as qualified on the Company website: www.xcelenergy.com.
- i. [Intentionally left blank].
- j. The Customer is not a participant in the Made in Minnesota program for the PV System covered by this Contract.
- k. The Customer has not received an incentive ~~under the Solar*Rewards program for another PV System installed at this Service Address~~, and is not a party to any other signed contract with the Company pertaining to the PV System. Customer shall not collect incentives from other state or utility programs for the PV system covered under this Contract.

(Continued on Sheet No. 9-37)

Date Filed: ~~10-31-13~~ 10-08-18 By: ~~David M. Sparby~~ Christopher B. Clark Effective Date: 07-23-14
President, ~~and CEO of~~ Northern States Power Company, a Minnesota corporation
Docket No. E002/M-~~13-101518-~~ Order Date: 07-23-14

SOLAR*REWARDS CUSTOMER CONTRACT
(Continued)

Section No. 9
~~Original~~1st Revised Sheet No. 37

5. Requirements for PV System Installation, Operation, and Maintenance.

Energy Audit.

- a. Customer is required to conduct an Online Energy Assessment for the building at the Service Address which hosts a PV system, in compliance with Company's Energy Assessment program prior to Company's payment made as described in Section 3(b), unless such Assessment or an on-site Energy Audit has been completed within the past three years, or (for residential customers) the Customer's home was ENERGY STAR-certified under the Company's ENERGY STAR homes project, or (for business customers) the Customer participated in the Commercial Real Estate, Energy Design Assistance, Energy Efficient Buildings, Recommissioning, or ENERGY STAR Benchmark programs.

Metering.

- b. ~~If this is the only PV system at the Service Address, then T~~wo meters are required to be installed at the Service Address. One meter is located at the main service and is a bi-directional meter that will record energy delivered to the Customer from the Company, and energy received by the Company from Customer. Installation of a bi-directional meter may not be required if the configuration of Customer's facilities allows and a previously installed bi-directional meter provides the information necessary for billing purposes. The second (Production) meter will record energy generated by the PV System only. Each PV system at the Service Address needs its own production meter. The Company shall install, or cause to be installed, own, operate and maintain the ~~P~~production meter to measure the AC production of the PV System, at the Company's expense and including the cost of the Production meter itself. Customer will provide all meter housing and socket replacement and rewiring to install both meters. Customer shall be charged monthly the metering charge described in Section 2(d) above for the bi-directional meter. 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 PV System will require Customer to pay a net interconnection charge in advance.
- c. Company shall receive all net energy, if any, generated by the PV System at the Service Address and not consumed by the Customer. If the production of the PV System is more than the Customer's usage as measured by the Company's meter, the negative consumption (i.e. net energy delivered to the Company) as measured by the Company's meter shall be considered as net energy and Customer shall be compensated as provided in Sections 2(c) and (e) above. On-site use of energy generated by the PV System shall be unmetered for purposes of compensation, except for as provided in Section 3(b).

(Continued on Sheet No. 9-38)

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**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE**

Section No. 9
~~Original~~1st Revised Sheet No. 50

Application ID: _____

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE**

CONTRACT

**Solar Garden Photovoltaic (PV) Systems Greater than 1 kW and ~~Less~~No More than 240 kW DC
Nameplate Capacity**

This Contract is made and entered into by and between Northern States Power Company, a Minnesota corporation, having a mailing address of 414 Nicollet Mall, Minneapolis, Minnesota 55401 ("Company"), and _____ ("Community Solar Garden Operator"), whose mailing address for billing and notice purposes is: _____, concerning electric service at the following address: _____ (the "Service Address").

1. Fact Background.

- a. Community Solar Garden Operator will be installing the electric generating facilities described in Exhibit 1 (the "PV System") and meeting the requirements stated in this Contract, with a nameplate capacity rated at greater than 1 kilowatts and ~~lessno more~~ than 240 kilowatts direct current ("DC") ~~per premise~~, on property located at the Service Address.
- b. Community Solar Garden Operator is prepared to generate electricity in parallel with the Company using the PV System.
- c. Community Solar Garden Operator has submitted to Company an application to participate in Company's Solar*Rewards program using the PV System.
- d. The Company is obligated under federal and Minnesota state law to interconnect with Community Solar Garden Operator and to purchase electricity generated by Community Solar Garden Operator through qualifying facilities and offered for sale to Company by the Community Solar Garden Operator.
- e. A Community Solar Garden Operator who receives approval for, or is a participant in, the Made in Minnesota program for the same PV System shall not receive any benefits under this Contract and shall return to the Company all monies paid or credited under this Contract.
- f. The Community Solar Garden Operator has an active application as a garden operator with Company's Solar*Rewards Community Program.

(Continued on Sheet No. 9-51)

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~~1306-08-18~~
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Docket No. ~~-E002/M-13-867 & E002/M-13-~~ Order Date: 09-17-14
~~101518-~~

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE**

Section No. 9
~~Original~~ 1st Revised Sheet No. 50

- g. Community Solar Garden Operator and Company enter into this Contract which sets out the terms and conditions for the purchase and sale of the electricity generated by the PV System ("Solar*Rewards Program"), and related matters.

N

(Continued on Sheet No. 9-51)

Date Filed: ~~09-30-13 & 10-31-~~ By: ~~David M. Sparby~~ Christopher B. Clark Effective Date: ~~09-17-14~~
1306-08-18
President, ~~and CEO of~~ Northern States Power Company, a Minnesota corporation
Docket No. ~~-E002/M-13-867 & E002/M-13-~~ Order Date: ~~09-17-14~~
101518-

N

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE
(Continued)**

Section No. 9
~~Original~~1st Revised Sheet No. 52

3. Ownership of Renewable Energy Credits and Incentive Payment.

Community Solar Garden Operator and Company agree:

- a. On the terms and subject to the conditions set forth in this Contract, the Community Solar Garden Operator agrees to convey to the Company and the Company will own all of the Renewable Energy Credits ("RECs"), defined in Section 5(c) below generated by the PV System at the Service Address for a term of ten (10) years from the installation date set forth in the "Actual System Installation Information" attached to this Contract as Exhibit 1.
- b. In consideration for Community Solar Garden Operator's participation in Company's Solar*Rewards Program, Company shall pay a predetermined per kWh financial incentive for the PV System production for ten (10) years beginning with final commissioning. The incentive will remain set for the 10-year payment period and will not vary from year to year. PV System production will accumulate for each year. Within ninety (90) days after the end of each year, the Community Solar Garden Operator will receive an incentive check equal to the year's PV production, as measured by the billing statement that includes December 31, times the \$/kWh incentive. No incentive shall accrue after ten (10) years from the commissioning of the PV System, and the final incentive calculation will be at the end of that year, with the billing statement that includes December 31.
- c. The \$/kWh incentive is as follows: The Company shall pay \$0.08/kWh for the PV system production. This \$/kWh incentive amount may be changed by a tariff amendment to this Contract prior to both parties signing this Contract.
- d. The \$/kWh incentive may be assigned by the Community Solar Garden Operator to a third party.
- e. Where the PV System at the Service Address is subject to a Solar*Rewards contract and was installed prior to June 1, 2018, then the Community Solar Garden Operator may add one or more additional photovoltaic generating systems at the Service Address that are not subject to an incentive under the Solar*Rewards program even if total aggregate capacity of the PV System with the additional photovoltaic generating systems at the Service Address exceeds 40 kW DC. If on or after June 1, 2018, the Community Solar Garden Operator installs any photovoltaic generating system at the Service Address that is subject to the Solar*Rewards incentive, any such photovoltaic generating system installed on or after June 1, 2018, will no longer be eligible for the incentive once the total aggregate capacity of all photovoltaic generating systems at the Service Address exceeds 40 kW DC.

4. Representations by Community Solar Garden Operator.

Community Solar Garden Operator hereby makes the following representations and warranties to Company:

- a. Community Solar Garden Operator warrants that the person signing this Contract on behalf of Community Solar Garden Operator is authorized and competent to sign this Contract and to bind Community Solar Garden Operator to the terms of this Contract.
- b. Community Solar Garden Operator is an end-use electric consumer located within the electric service territory of Company in Minnesota.
- c. Community Solar Garden Operator shall install a new PV System at the Service Address, which

(Continued on Sheet No. 9-53)

Date Filed: ~~09-30-13 & 10-31-1306-~~ By: ~~David M. Sparby~~ Christopher B. Clark Effective Date: 09-17-14
08-18
President, and CEO of Northern States Power Company, a Minnesota corporation
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**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE
(Continued)**

Section No. 9
~~Original~~1st Revised Sheet No. 52

shall have at least a five (5) year warranty, and shall be installed as of the date set forth in Exhibit 1.

(Continued on Sheet No. 9-53)

Date Filed:	09-30-13 & 10-31-13 <u>08-18</u>	By:	David M. Sparby <u>Christopher B. Clark</u>	Effective Date:	<u>09-17-14</u>
	President, and CEO of Northern States Power Company, a Minnesota corporation				
Docket No.	E002/M- 13-867 & E002/M-13-1015			Order Date:	<u>09-17-14</u>

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE
(Continued)**

Section No. 9
~~Original~~ 1st Revised Sheet No. 53

4. Representations by Community Solar Garden Operator. (Continued)

- d. The PV System shall be located on the Community Solar Garden Operator's facilities at the Service Address at all times during the term of this Contract.
- e. The PV System has a minimum nameplate DC output capacity of 1000 watts and a maximum capacity of ~~less~~ no more than 240 kilowatts.
- f. PV equipment including, but not limited to modules, inverters, etc., as described in the Community Solar Garden Operator's completed Exhibit 1 shall meet eligibility requirements when listed as qualified on the Company website: www.xcelenergy.com.
- g. [Intentionally left blank].
- h. The Community Solar Garden Operator is not a participant in the Made in Minnesota program for the PV System covered by this Contract.
- i. The Community Solar Garden Operator has not received an incentive ~~under the Solar*Rewards production incentive program for another PV system installed at this Service Address,~~ and is not a party to any other signed contract with the Company pertaining to the PV System other than the Standard Contract for Solar*Rewards Community. Customer shall not collect incentives from other state or utility programs for the PV system covered under this Contract.
- j. This Contract shall not be effective until the Community Solar Garden Operator has an effective Standard Contract for Solar*Rewards Community. In the event that Community Solar Garden Operator has breached the Standard Contract for Solar*Rewards Community or is otherwise for some period of time not entitled to payments under that contract, then for the same period of time the Community Solar Garden Operator is not entitled to payments under this Contract. Any period of time under which the Customer is not entitled to incentive payments shall not extend the ten (10) year payment period referenced in Section 3(b). In the event that the Standard Contract for Solar*Rewards Community is terminated, then this Contract shall also be terminated.

5. Requirements for PV System Installation, Operation, and Maintenance.

Metering.

- a. The metering requirements are set forth in the Standard Contract for Solar*Rewards Community.

Interconnection to Company Distribution System.

- b. Interconnection requirements are set forth in the Standard Contract for Solar*Rewards Community.

(Continued on Sheet No. 9-54)

Date Filed: ~~09-30-13 & 10-31-13~~ 06-08-18 By: ~~David M. Sparby~~ Christopher B. Clark Effective Date: ~~09-17-14~~
President, ~~and CEO of~~ Northern States Power Company, a Minnesota corporation
Docket No. E002/M-~~13-867 & E002/M-13-101518-~~ Order Date: ~~09-17-14~~

Clean

SOLAR*REWARDS CUSTOMER CONTRACT

Section No. 9
1st Revised Sheet No. 33

Application ID: _____

SOLAR*REWARDS

CUSTOMER CONTRACT

Customer-Sited Photovoltaic (PV) Systems Greater than 0.5 kW and No More than 40 kW DC Nameplate Capacity

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This Contract is made and entered into by and between Northern States Power Company, a Minnesota corporation, having a mailing address of 414 Nicollet Mall, Minneapolis, Minnesota 55401 ("Company"), and _____ (whether one or more, "Customer"), whose mailing address for billing and notice purposes is: _____, concerning electric service at the following address: _____ (the "Service Address").

1. Fact Background.

- a. Customer will be installing the electric generating facilities described in Exhibit 1 (the "PV System") and meeting the requirements stated in this Contract, with a nameplate capacity rated at greater than 0.5 kilowatts and no more than 40 kilowatts direct current ("DC") per premise, on property located at the Service Address.
- b. Customer's PV System also meets the requirements of the Minnesota Public Utilities Commission (the "Commission") Rules Chapter 7835 on Cogeneration and Small Power Production and any technical standards for interconnection the Company has established that are authorized by those Rules.
- c. Customer is prepared to generate electricity in parallel with the Company using the PV System.
- d. Customer has submitted to Company and paid an engineering review fee of \$250.00. Unfunded applicants for whom engineering review has not been completed will receive a full refund for this fee.
- e. The Company is obligated under federal and Minnesota state law to interconnect with Customer and to purchase electricity generated by Customer through qualifying facilities and offered for sale to Company by Customer.
- f. A Customer who receives approval for, or is a participant in, the Made in Minnesota program for the PV System covered by this Contract shall not receive any benefits under this Contract and shall return to the Company all monies paid or credited under this Contract.
- g. Customer and Company enter into this Contract which sets out the terms and conditions for the purchase and sale of the electricity generated by the PV System ("Solar*Rewards Program"), and related matters.

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(Continued on Sheet No. 9-34)

Date Filed: 06-08-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-18-

Order Date:

SOLAR*REWARDS CUSTOMER CONTRACT
(Continued)

Section No. 9
1st Revised Sheet No. 35

2. Purchases and Sales of Electricity. (Continued)

- e. The Company will compute the charges and payments for purchases and sales of electricity for each billing period. If the payments for electricity generated by the PV System and sold to Company exceed the charges for electricity which the Company supplies and sells to Customer (i.e. net positive production by the PV System), the credit will accumulate on the Company's billing statement to Customer and will be paid by check to Customer within fifteen (15) days of the billing date once the accumulated credit exceeds \$25.00.
- f. Company may stop providing electricity to Customer during a system emergency, without notice. Company will give Customer prior notice by telephone or regular U.S. mail when Company is to stop providing electricity in non-emergency circumstances. The Company will not discriminate against Customer when it stops providing electricity or when it resumes providing electricity. Company may stop purchasing electricity from Customer when necessary to construct, install, maintain, repair, replace, remove, investigate or inspect any equipment or facilities within its electric system when this activity would be adversely affected if customer were supplying power to the system. Company will give Customer prior notice by telephone or regular U.S. mail letter when Company will stop purchasing electricity from Customer.

3. Ownership of Renewable Energy Credits and Incentive Payment.

Customer and Company agree:

- a. On the terms and subject to the conditions set forth in this Contract, the Customer agrees to convey to the Company and the Company will own all of the Renewable Energy Credits ("RECs"), defined in Section 5(l) below generated by the PV System at the Service Address for a term of ten (10) years from the installation date set forth in the "Actual System Installation Information" attached to this Contract as Exhibit 1.
- b. In consideration for Customer's participation in Company's Solar*Rewards Program, Company shall pay a predetermined per kWh financial incentive for the PV System production prior to any net metering adjustments for ten (10) years beginning with final commissioning. The incentive will remain set for the 10-year payment period and will not vary from year to year. PV System production will accumulate for each year. Within ninety (90) days after the end of each year, the Customer will receive an incentive check equal to the year's PV production, as measured by the billing statement that includes December 31, times the \$/kWh incentive. No incentive shall accrue after ten (10) years from the commissioning of the PV System, and the final incentive calculation will be at the end of that year, with the billing statement that includes December 31.
- c. The \$/kWh incentive is as follows: The Company shall pay \$0.08/kWh for the PV System production. This \$/kWh incentive amount may be changed by a tariff amendment to this Contract prior to both parties signing this Contract.
- d. The \$/kWh incentive may be assigned by the Customer to a third party.
- e. Where the PV System at the Service Address is subject to a Solar*Rewards contract and was installed prior to June 1, 2018, then the Customer may add one or more additional photovoltaic generating systems at the Service Address that are not subject to an incentive under the Solar*Rewards program even if total aggregate capacity of the PV System with the additional photovoltaic generating systems at the Service Address exceeds 40 kW DC. If on or after June 1, 2018, the Customer installs any photovoltaic generating system at the Service Address that is subject to the Solar*Rewards incentive, any such photovoltaic generating system installed on or after June 1, 2018, will no longer be eligible for the incentive once the total aggregate capacity of all photovoltaic generating systems at the Service Address exceeds 40 kW DC.

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(Continued on Sheet No. 9-36)

Date Filed: 06-08-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-

Order Date:

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SOLAR*REWARDS CUSTOMER CONTRACT
(Continued)**

Section No. 9
1st Revised Sheet No. 36

4. Representations by Customer.

Customer hereby makes the following representations and warranties to Company:

- a. Customer warrants that the person signing this Contract on behalf of Customer is authorized and competent to sign this Contract and to bind Customer to the terms of this Contract.
- b. Customer receives electric service from Company at the Service Address set forth above, is the person in whose name electric service is listed at the Service Address, and is the owner of the property at the Service Address.
- c. Customer is an end-use electric consumer located within the electric service territory of Company in Minnesota whose primary business is not the generation of electricity for retail or wholesale sale from the same facility. Customer is not installing the PV System at the Service Address in connection with a business of developing or improving real estate for resale.
- d. Customer shall install a new PV System at the Service Address, which shall have at least a five (5) year warranty, and shall be installed as of the date set forth in Exhibit 1.
- e. The PV System shall be located on the Customer's facilities at the Service Address at all times during the term of this Contract.
- f. The PV System has a minimum nameplate DC output capacity of 500 watts and a maximum capacity of no more than 40 kilowatts. C
- g. Customer represents that the PV System shall be sized, when combined with other distributed generation resources and subscriptions provided under the Solar*Rewards Community program associated with the Service Address, to supply no more than one hundred twenty percent (120%) of the previous annual (12-month) consumption of electric energy by Customer at the Service Address. Customer acknowledges that Solar*Rewards Program is only available to PV Systems where the estimated annual generation, as determined by the National Renewable Energy Laboratory's PVWatts™ calculator is not more than 120% of the previous annual (12-month) electric energy consumption at the Service Address. If historical electric energy consumption data is not available due to new construction, the Company will calculate the estimated annual electric energy consumption. C
C
- h. PV equipment including, but not limited to modules, inverters, etc., as described in Customer's completed Exhibit 1 shall meet eligibility requirements when listed as qualified on the Company website: www.xcelenergy.com.
- i. [Intentionally left blank].
- j. The Customer is not a participant in the Made in Minnesota program for the PV System covered by this Contract.
- k. The Customer has not received an incentive and is not a party to any other signed contract with the Company pertaining to the PV System. Customer shall not collect incentives from other state or utility programs for the PV system covered under this Contract. D

(Continued on Sheet No. 9-37)

Date Filed: 06-08-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-18-

Order Date:

SOLAR*REWARDS CUSTOMER CONTRACT
(Continued)

Section No. 9
1st Revised Sheet No. 37

5. Requirements for PV System Installation, Operation, and Maintenance.

Energy Audit.

- a. Customer is required to conduct an Online Energy Assessment for the building at the Service Address which hosts a PV system, in compliance with Company's Energy Assessment program prior to Company's payment made as described in Section 3(b), unless such Assessment or an on-site Energy Audit has been completed within the past three years, or (for residential customers) the Customer's home was ENERGY STAR-certified under the Company's ENERGY STAR homes project, or (for business customers) the Customer participated in the Commercial Real Estate, Energy Design Assistance, Energy Efficient Buildings, Recommissioning, or ENERGY STAR Benchmark programs.

Metering.

- b. If this is the only PV system at the Service Address, then two meters are required to be installed at the Service Address. One meter is located at the main service and is a bi-directional meter that will record energy delivered to the Customer from the Company, and energy received by the Company from Customer. Installation of a bi-directional meter may not be required if the configuration of Customer's facilities allows and a previously installed bi-directional meter provides the information necessary for billing purposes. The second (Production) meter will record energy generated by the PV System only. Each PV system at the Service Address needs its own production meter. The Company shall install, or cause to be installed, own, operate and maintain the production meter to measure the AC production of the PV System, at the Company's expense and including the cost of the Production meter itself. Customer will provide all meter housing and socket replacement and rewiring to install both meters. Customer shall be charged monthly the metering charge described in Section 2(d) above for the bi-directional meter. 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 PV System will require Customer to pay a net interconnection charge in advance. C
- c. Company shall receive all net energy, if any, generated by the PV System at the Service Address and not consumed by the Customer. If the production of the PV System is more than the Customer's usage as measured by the Company's meter, the negative consumption (i.e. net energy delivered to the Company) as measured by the Company's meter shall be considered as net energy and Customer shall be compensated as provided in Sections 2(c) and (e) above. On-site use of energy generated by the PV System shall be unmetered for purposes of compensation, except for as provided in Section 3(b). C
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(Continued on Sheet No. 9-38)

Date Filed: 06-08-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-18-

Order Date:

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE**

Section No. 9
1st Revised Sheet No. 50

Application ID: _____

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE**

CONTRACT

Solar Garden Photovoltaic (PV) Systems Greater than 1 kW and No More than 40 kW DC Nameplate Capacity

C

This Contract is made and entered into by and between Northern States Power Company, a Minnesota corporation, having a mailing address of 414 Nicollet Mall, Minneapolis, Minnesota 55401 ("Company"), and _____ ("Community Solar Garden Operator"), whose mailing address for billing and notice purposes is: _____, concerning electric service at the following address: _____ (the "Service Address").

1. Fact Background.

- a. Community Solar Garden Operator will be installing the electric generating facilities described in Exhibit 1 (the "PV System") and meeting the requirements stated in this Contract, with a nameplate capacity rated at greater than 1 kilowatts and no more than 40 kilowatts direct current ("DC") per premise, on property located at the Service Address.
- b. Community Solar Garden Operator is prepared to generate electricity in parallel with the Company using the PV System.
- c. Community Solar Garden Operator has submitted to Company an application to participate in Company's Solar*Rewards program using the PV System.
- d. The Company is obligated under federal and Minnesota state law to interconnect with Community Solar Garden Operator and to purchase electricity generated by Community Solar Garden Operator through qualifying facilities and offered for sale to Company by the Community Solar Garden Operator.
- e. A Community Solar Garden Operator who receives approval for, or is a participant in, the Made in Minnesota program for the same PV System shall not receive any benefits under this Contract and shall return to the Company all monies paid or credited under this Contract.
- f. The Community Solar Garden Operator has an active application as a garden operator with Company's Solar*Rewards Community Program.
- g. Community Solar Garden Operator and Company enter into this Contract which sets out the terms and conditions for the purchase and sale of the electricity generated by the PV System ("Solar*Rewards Program"), and related matters.

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(Continued on Sheet No. 9-51)

Date Filed: 06-08-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-18-

Order Date:

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE
(Continued)**

Section No. 9
1st Revised Sheet No. 52

3. Ownership of Renewable Energy Credits and Incentive Payment.

Community Solar Garden Operator and Company agree:

- a. On the terms and subject to the conditions set forth in this Contract, the Community Solar Garden Operator agrees to convey to the Company and the Company will own all of the Renewable Energy Credits ("RECs"), defined in Section 5(c) below generated by the PV System at the Service Address for a term of ten (10) years from the installation date set forth in the "Actual System Installation Information" attached to this Contract as Exhibit 1.
- b. In consideration for Community Solar Garden Operator's participation in Company's Solar*Rewards Program, Company shall pay a predetermined per kWh financial incentive for the PV System production for ten (10) years beginning with final commissioning. The incentive will remain set for the 10-year payment period and will not vary from year to year. PV System production will accumulate for each year. Within ninety (90) days after the end of each year, the Community Solar Garden Operator will receive an incentive check equal to the year's PV production, as measured by the billing statement that includes December 31, times the \$/kWh incentive. No incentive shall accrue after ten (10) years from the commissioning of the PV System, and the final incentive calculation will be at the end of that year, with the billing statement that includes December 31.
- c. The \$/kWh incentive is as follows: The Company shall pay \$0.08/kWh for the PV system production. This \$/kWh incentive amount may be changed by a tariff amendment to this Contract prior to both parties signing this Contract.
- d. The \$/kWh incentive may be assigned by the Community Solar Garden Operator to a third party.
- e. Where the PV System at the Service Address is subject to a Solar*Rewards contract and was installed prior to June 1, 2018, then the Community Solar Garden Operator may add one or more additional photovoltaic generating systems at the Service Address that are not subject to an incentive under the Solar*Rewards program even if total aggregate capacity of the PV System with the additional photovoltaic generating systems at the Service Address exceeds 40 kW DC. If on or after June 1, 2018, the Community Solar Garden Operator installs any photovoltaic generating system at the Service Address that is subject to the Solar*Rewards incentive, any such photovoltaic generating system installed on or after June 1, 2018, will no longer be eligible for the incentive once the total aggregate capacity of all photovoltaic generating systems at the Service Address exceeds 40 kW DC.

4. Representations by Community Solar Garden Operator.

Community Solar Garden Operator hereby makes the following representations and warranties to Company:

- a. Community Solar Garden Operator warrants that the person signing this Contract on behalf of Community Solar Garden Operator is authorized and competent to sign this Contract and to bind Community Solar Garden Operator to the terms of this Contract.
- b. Community Solar Garden Operator is an end-use electric consumer located within the electric service territory of Company in Minnesota.
- c. Community Solar Garden Operator shall install a new PV System at the Service Address, which shall have at least a five (5) year warranty, and shall be installed as of the date set forth in Exhibit 1.

(Continued on Sheet No. 9-53)

Date Filed: 06-08-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-

Order Date:

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SOLAR*REWARDS COMMUNITY CONTRACT
FOR THOSE RECEIVING SOLAR*REWARDS INCENTIVE
(Continued)**

Section No. 9
1st Revised Sheet No. 53

4. Representations by Community Solar Garden Operator. (Continued)

- d. The PV System shall be located on the Community Solar Garden Operator's facilities at the Service Address at all times during the term of this Contract.
- e. The PV System has a minimum nameplate DC output capacity of 1000 watts and a maximum capacity of no more than 40 kilowatts. C
- f. PV equipment including, but not limited to modules, inverters, etc., as described in the Community Solar Garden Operator's completed Exhibit 1 shall meet eligibility requirements when listed as qualified on the Company website: www.xcelenergy.com.
- g. [Intentionally left blank].
- h. The Community Solar Garden Operator is not a participant in the Made in Minnesota program for the PV System covered by this Contract.
- i. The Community Solar Garden Operator has not received an incentive and is not a party to any other signed contract with the Company pertaining to the PV System other than the Standard Contract for Solar*Rewards Community. Customer shall not collect incentives from other state or utility programs for the PV system covered under this Contract. D
- j. This Contract shall not be effective until the Community Solar Garden Operator has an effective Standard Contract for Solar*Rewards Community. In the event that Community Solar Garden Operator has breached the Standard Contract for Solar*Rewards Community or is otherwise for some period of time not entitled to payments under that contract, then for the same period of time the Community Solar Garden Operator is not entitled to payments under this Contract. Any period of time under which the Customer is not entitled to incentive payments shall not extend the ten (10) year payment period referenced in Section 3(b). In the event that the Standard Contract for Solar*Rewards Community is terminated, then this Contract shall also be terminated.

5. Requirements for PV System Installation, Operation, and Maintenance.

Metering.

- a. The metering requirements are set forth in the Standard Contract for Solar*Rewards Community.

Interconnection to Company Distribution System.

- b. Interconnection requirements are set forth in the Standard Contract for Solar*Rewards Community.

(Continued on Sheet No. 9-54)

Date Filed: 06-08-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-18-

Order Date:

CERTIFICATE OF SERVICE

I, Jim Erickson, 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; or

xx by electronic filing.

Docket Nos.: E002/M-18-381

Dated this 14th day of August 2018.

/s/

Jim Erickson
Regulatory Administrator

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
David	Aafedt	daafedt@winthrop.com	Winthrop & Weinstine, P.A.	Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_18-381_M-18-381
Ross	Abbey	ross.abbey@us-solar.com	United States Solar Corp.	100 North 6th St Ste 222C Minneapolis, MN 55403	Electronic Service	No	OFF_SL_18-381_M-18-381
Michael	Allen	michael.allen@allenergysolar.com	All Energy Solar	721 W 26th st Suite 211 Minneapolis, Minnesota 55405	Electronic Service	No	OFF_SL_18-381_M-18-381
David	Amster Olzweski	david@mysunshare.com	SunShare, LLC	1774 Platte St Denver, CO 80202	Electronic Service	No	OFF_SL_18-381_M-18-381
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Alison C	Archer	aarcher@misoenergy.org	MISO	2985 Ames Crossing Rd Eagan, MN 55121	Electronic Service	No	OFF_SL_18-381_M-18-381
Sara	Baldwin Auck	sarab@irecusa.org	Interstate Renewable Energy Council, Inc.	PO Box 1156 Latham, NY 12110	Electronic Service	No	OFF_SL_18-381_M-18-381
Ryan	Barlow	Ryan.Barlow@ag.state.mn.us	Office of the Attorney General-RUD	445 Minnesota Street Bremer Tower, Suite 1400 St. Paul, Minnesota 55101	Electronic Service	No	OFF_SL_18-381_M-18-381
Laura	Beaton	beaton@smwlaw.com	Shute, Mihaly & Weinberger LLP	396 Hayes Street San Francisco, CA 94102	Electronic Service	No	OFF_SL_18-381_M-18-381
James J.	Bertrand	james.bertrand@stinson.com	Stinson Leonard Street LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_18-381_M-18-381

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Michael J.	Bull	mbull@mncee.org	Center for Energy and Environment	212 Third Ave N Ste 560 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_18-381_M-18-381
Jessica	Burdette	jessica.burdette@state.mn.us	Department of Commerce	85 7th Place East Suite 500 St. Paul, MN 55101	Electronic Service	No	OFF_SL_18-381_M-18-381
James	Canaday	james.canaday@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota St. St. Paul, MN 55101	Electronic Service	No	OFF_SL_18-381_M-18-381
Jeanne	Cochran	Jeanne.Cochran@state.mn.us	Office of Administrative Hearings	P.O. Box 64620 St. Paul, MN 55164-0620	Electronic Service	No	OFF_SL_18-381_M-18-381
John	Coffman	john@johncoffman.net	AARP	871 Tuxedo Blvd. St. Louis, MO 63119-2044	Electronic Service	No	OFF_SL_18-381_M-18-381
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_18-381_M-18-381
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_18-381_M-18-381

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Corey	Conover	corey.conover@minneapolismn.gov	Minneapolis City Attorney	350 S. Fifth Street City Hall, Room 210 Minneapolis, MN 554022453	Electronic Service	No	OFF_SL_18-381_M-18-381
Carl	Cronin	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_18-381_M-18-381
Arthur	Crowell	Crowell.arthur@yahoo.com	A Work of Art Solar	14333 Orchard Rd. Minnetonka, MN 55345	Electronic Service	No	OFF_SL_18-381_M-18-381
Joseph	Dammel	joseph.dammel@ag.state.mn.us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	No	OFF_SL_18-381_M-18-381
Timothy	DenHerder Thomas	timothy@cooperativeenergyfutures.com	Cooperative Energy Futures	3500 Bloomington Ave. S Minneapolis, MN 55407	Electronic Service	No	OFF_SL_18-381_M-18-381
James	Denniston	james.r.denniston@xcelenergy.com	Xcel Energy Services, Inc.	414 Nicollet Mall, Fifth Floor Minneapolis, MN 55401	Electronic Service	No	OFF_SL_18-381_M-18-381
Ian	Dobson	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130	Electronic Service	Yes	OFF_SL_18-381_M-18-381
Jason	Edens	jason@rreal.org	Rural Renewable Energy Alliance	3963 8th Street SW Backus, MN 55435	Electronic Service	No	OFF_SL_18-381_M-18-381
Betsy	Engelking	betsy@geronimoenergy.com	Geronimo Energy	7650 Edinborough Way Suite 725 Edina, MN 55435	Electronic Service	No	OFF_SL_18-381_M-18-381
John	Farrell	jfarrell@ilsr.org	Institute for Local Self-Reliance	1313 5th St SE #303 Minneapolis, MN 55414	Electronic Service	No	OFF_SL_18-381_M-18-381

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_18-381_M-18-381
Matthew D.	Forsgren	mforsgren@greeneespel.com	GREENE ESPEL PLLP	222 S. Ninth Street, Suite 2200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_18-381_M-18-381
Nathan	Franzen	nathan@geronimoenergy.com	Geronimo Energy	7650 Edinborough Way Suite 725 Edina, MN 55435	Electronic Service	No	OFF_SL_18-381_M-18-381
Hal	Galvin	halgalvin@comcast.net	Provectus Energy Development llc	1936 Kenwood Parkway Minneapolis, MN 55405	Electronic Service	No	OFF_SL_18-381_M-18-381
Edward	Garvey	edward.garvey@AESLconsulting.com	AESL Consulting	32 Lawton St Saint Paul, MN 55102-2617	Electronic Service	No	OFF_SL_18-381_M-18-381
Allen	Gleckner	gleckner@fresh-energy.org	Fresh Energy	408 St. Peter Street Ste 220 Saint Paul, Minnesota 55102	Electronic Service	No	OFF_SL_18-381_M-18-381
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