

## Cass County Electric Cooperative Inc. Net Metering Guidelines, Procedure and Application

### Introduction:

Net-metering is available to members of Cass County Electric Cooperative Inc. (CCEC), who will generate their own electricity and be interconnected to CCEC's electrical grid.

Net-metering only applies to generating systems with a nameplate rating of 50 kilowatts (kW) or less; and,

- o are subject to the aggregated cumulative maximum installed capacity on the CCEC system up to 0.1% of CCEC's system peak load based on the highest non-coincidental peak load from the previous three-year period.
- o uses one of the following renewable technologies as defined by North Dakota Century Code 49-02-25:
  - a. Solar, using the sun as the source of energy for producing electricity;
  - b. Wind, using the wind as the source of energy for producing electricity;
  - c. Biomass, using agricultural crops and agricultural wastes and residues, wood and wood wastes and residues, animal wastes, and landfill gas as the fuel to produce electricity;
  - d. Geothermal, using energy contained in heat that continuously flows outward from the earth as the source of energy to produce electricity;
  - e. Hydrogen, provided that the hydrogen is generated from a source listed in this section;
  - f. Recycled energy systems producing electricity from currently unused waste heat resulting from combustion or other processes into electricity and which do not use an additional combustion process. The term does not include any system whose primary purpose is the generation of electricity.

### Procedure for application approval:

CCEC will approve net-metering applications on a first-come, first-served basis. The criterion for the approval is as follows:

1. Application is complete and received by CCEC, along with a \$50 filing fee.
2. CCEC will respond within 15 business days to notify member if the application is approved for net-metering; or to place in queue if the additional generation capacity will surpass the cumulative maximum installed capacity allowed by CCEC; or if the generation system compromises system integrity.
3. Once the member is given written approval, the member has 18 months from date of approval for the system to be operational. If the system is not operational within this time frame, the application will be reviewed and may be placed back in queue.

### Technical Requirements:

The member must follow the technical requirements established in CCEC's Interconnection for Generation Systems. The member must also provide a separate Interconnection Application, Engineering Data Submittal, Interconnection Agreement and provide the required insurance for the system to be interconnected. This information

can be found on CCEC's website at [www.kwh.com](http://www.kwh.com) or is available by calling CCEC's engineering department at 701-356-4400. The system must be approved for interconnection before connection to the electrical grid is allowed.

If the member seeks to receive the Minnkota Power Cooperative (MPC) capacity credit, the participating member's generator must meet the guidelines for Accreditation of Generation established by the Mid-Continent Area Power Pool (MAPP). In order for the participating Member's generator to be MAPP accredited for use by Minnkota, the Member shall:

- a. Supply generating capability which can be accredited to Minnkota in accordance with Section 4.2.2 (Accreditation of Generation) Mid-Continent Area Power Pool Generation Reserve Sharing Pool Handbook.
- b. Annually perform a test of not less than four hours of the generator output at stabilized operating conditions.
- c. Timely provide Minnkota with all necessary information and performance data to satisfy Minnkota's reporting requirements to MAPP or to another successor organization.
- d. Inform Minnkota within 30 days of major equipment failure of its generator.
- e. Deliver each hour all excess renewable energy generated by the generator to Minnkota.
- f. Under emergency and abnormal conditions, as determined by Minnkota, the undersigned Member shall operate the generator as directed by Minnkota's Control Center.

**Metering Costs:**

The member will pay any additional costs associated with adding a multi-channel bi-directional interval meter and any remote communication equipment associated with the meter setup that would monitor the excess generation delivered to CCEC's system.

**Rates:**


Minnkota Power Cooperative (MPC) agrees to compensate the participating member for kilowatt hours of renewable electric energy generated by the member in excess of the electric energy required for their own use. MPC will pay the participating member monthly, or as otherwise mutually agreed (but not more often than monthly), an amount equal to the product of the excess output of kilowatt-hours of renewable energy recorded on the interval meter times MPC's renewable energy purchase rate.

**Non-Performance:**

CCEC will monitor for non-performance. The member must inform CCEC and Minnkota within 30 days of major equipment failure. The member has 3 years from the date the system becomes non-operational to become operational or the member will lose their renewable resources status and by default net-metering. The member must again reapply for net-metering and generator interconnection as outlined by the Net-metering and Interconnection for Generator Systems policy and procedures. Due to the aggregate limits on net metered generation, it is possible that a non-performing net metering system will not be approved to rejoin the net metering program even if the system becomes operational again.



**Cass County  
Electric Cooperative**

Your Touchstone Energy® Partner 

**Application for net-metering of renewable sources with a  
Generating capacity of 50 kW or less.**

Member Name/ Company: \_\_\_\_\_

CCEC Account #: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Location of Proposed Generator: \_\_\_\_\_

Engineering/Design Firm \_\_\_\_\_

Contact Person \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

**Solar PV Type:**

Qty of Solar Panels: \_\_\_\_\_ x Nameplate Rating Watts (Each) \_\_\_\_\_ =Total Wattage \_\_\_\_\_

Solar Panel Manufacturer: \_\_\_\_\_ Model No. \_\_\_\_\_

Nameplate Data: \_\_\_\_\_

Maximum kW Output \_\_\_\_\_ Voltage Rating \_\_\_\_\_

Frequency \_\_\_\_\_ Battery Voltage (if applicable) \_\_\_\_\_

Inverter Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_

UL 1741 Listed  Yes  No

**Wind Turbine:**

Wind Turbine Manufacturer: \_\_\_\_\_ Model No. \_\_\_\_\_

Nameplate Data: \_\_\_\_\_

Rated kW Output \_\_\_\_\_ at \_\_\_\_\_ mph Wind Speed

Voltage Rating \_\_\_\_\_ Frequency \_\_\_\_\_ Power Factor \_\_\_\_\_

Inverter Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_

UL 1741 Listed  Yes  No

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**Other Qualified Renewable Source:**

Describe System: \_\_\_\_\_

Manufacturer: \_\_\_\_\_ Model No. \_\_\_\_\_

Nameplate Data: \_\_\_\_\_

Rated kW Output \_\_\_\_\_ Voltage Rating \_\_\_\_\_

Frequency \_\_\_\_\_ Power Factor \_\_\_\_\_

Inverter Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_

UL 1741 Listed  Yes  NoEstimated Start Date \_\_\_\_\_ Estimated Completion Date \_\_\_\_\_

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**Customer Signature:**

I hereby certify that I have read the Net-Metering Interconnection Guidelines and Procedures and that the information provided in the application is true.

Name \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

 \$50 Application Fee Enclosed

This application is for the Net-Metering request only. A separate Interconnection application must also be completed.

Return to:

Cass County Electric  
Engineering: Attn: Jodi Bullinger  
4100 32<sup>nd</sup> Ave SW  
Fargo ND 58104

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**For Utility Use Only:**

Date Received (please stamp) \_\_\_\_\_

Date Application Approved: \_\_\_\_\_ by \_\_\_\_\_

Notes: \_\_\_\_\_

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