



Member Owned – Renewable Energy – Connecting to the Grid Fact Sheet

Introduction: Cass County Electric will permit member owned generation from renewable energy sources to interconnect to the distribution system. These sources may or may not be net-billed depending on size of the application.

Interconnection Goals: The purpose is to help members who want to connect renewable energy sources to the distribution system safely and responsibly.

Qualifying Facilities: Qualifying renewable technologies are defined by North Dakota Century Code 49-02-25. These include solar, wind, biomass, geothermal, hydrogen and recycled energy systems.

Interconnection Requirements: If an inverter is used for interconnection it must meet IEEE standard 1547 and be UL 1741 listed. Installation must have a visible and lockable electrical disconnect for isolation purposes. For full interconnection requirements see Cass County Electric's *Interconnection Process for Generation Systems* (see website) or contact engineering personnel.

Net-billing Requirements: Net-billing applies to generating systems which are located on CCEC's distribution system where the aggregated cumulative maximum nameplate generation capacity per distribution feeder is less than 10% of the minimum feeder loading. If the generation system causes the aggregated cumulative nameplate capacity to exceed 10% of the feeder loading, an engineering study will be conducted to determine capability of adding additional generation.

CCEC does not allow sub metering on a net-billing installation. Members with off peak systems will need to separately feed their off peak meter or get rid of their off peak metering entirely.

Member Costs and Obligations: There is a \$250 filing fee for the Application for Interconnection and Engineering Data Submittal. The member will also pay for 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

Renewable Energy Rates: The renewable energy rate paid for excess energy will be determined by Minnkota Power Cooperative and based on their avoided cost.

Website for more information: More information can be found at the website www.kwh.com under the "Conservation and Environment" tab and then under the "Renewable Generation" tab.