



## General notes on interconnecting a distributed generation facility into the Eau Claire Energy Cooperative distribution system.

**Safety and reliability are the overriding factors in determining if ECEC will allow the interconnection. ECEC reserves the right to refuse interconnection to any distributed generation facility if it is suspected that such interconnection will adversely affect the safety of Cooperative personnel or the public, distribution system operations, reliability, or service to other members.**

If your system is 20 KW or less, ECEC will handle the approval and interconnection. If your system is over 20 KW, ECEC will have to coordinate the interconnection and rates through our power supplier, Dairyland Power Cooperative.

For residential customers on rate schedule 'A', the excess output of a system that is 20 KW or less, will be purchased by ECEC at avoided cost determined on an annual basis. Your regular electric meter will be replaced with a bi-directional meter that measures energy sales to you and also any excess energy flowing backwards through the meter that is put back on the grid. The distributed generation system must be sized no larger than what is required to offset the member's anticipated annual energy usage. See Policy 621 for more details.

For commercial or industrial customers on something other than rate schedule 'A', contact the Cooperative for more information.

The applicant needs to -

1. Fill-out and sign the Distributed Generation Interconnection Agreement and return it to our office.
2. Fill-out and sign the Distributed Generation Application Form and return it to our office. The installer also needs to sign this.
3. Provide ECEC with proof of the required amount of liability insurance.
4. Provide ECEC with a site plan showing the location of main pieces of equipment, and a schematic diagram of the entire system.
5. Provide ECEC with the technical specifications of the inverter and proof that it is UL 1741 or IEEE 1547 compliant.

Before the system can be interconnected to the ECEC distribution system, ECEC personnel need to inspect and approve the installation, and conduct an anti-islanding test. We need to verify that the generating system will shut down when grid power is lost.

If you presently have a dual-fuel or off-peak heat installation, you are allowed a maximum of two off-peak meters if we will be doing net metering. These meters must be wired in parallel such as through a double or triple meter socket. Subtractive off-peak metering cannot be done with net metering. Contact ECEC for more information.

More information is available from the Focus on Energy website. The address is <http://www.focusonenergy.com/renewable/>.