



A Poudre Valley REA Renewable Program

Poudre Valley REA Generating Facility Application For Renewable Energy Net-Metering Systems

Section 1 - Introduction and Overview

1.1 Applicability: This application is required to request the interconnection (grid inter-tie) of a generating facility (GF) to the Poudre Valley Rural Electric Association, Inc. (PVREA) electrical distribution system. Refer to IEEE 1547 and UL 1741 and Poudre Valley REA's Rules and Regulations for specific interconnection requirements. *This application is specifically intended for renewable energy generating systems that will use Net Metering that are to be installed at a customer's account location.* Generating facilities that do not meet this definition or are larger than 25 KW, may require the Standard Utilities generating facility contract.

1.2 Guidelines and Steps for Interconnection: All completed GF applications submitted to Poudre Valley REA must be accompanied by the required documentation listed herein. Upon receipt of the Application, Poudre Valley REA will review the application and contact the Customer if there are any problems or if additional information is required. Unauthorized parallel GF interconnections will be required to disconnect from the Poudre Valley REA electric distribution system. Refusal to disconnect may result in discontinuance of electric service.

Please note, other approvals, permits and/or other agreements will be needed from other regulatory agencies, such as, homeowner associations, and other local governmental building and planning commissions prior to operating a Generating Facility. Poudre Valley REA's authorization to operate the Generating Facility does not satisfy the need for applicants to acquire other approvals and permits.

1.3 Over view of Process: Once you receive approval of your application and have the necessary building, zoning and land use permits, you may begin construction. When construction is complete, call for your inspections. Be sure to ask your electrical inspector to phone or fax the final inspection report to our Engineering Department. This is the only way to get your net-meter scheduled for installation. The Engineering Department will not accept copies of final inspection reports from anyone other than the inspector. And, the inspection report must clearly state that the inspection was for a net-meter installation. This step is especially important if your renewable energy system is part of new construction.

1.4 Required Documents: One copy of this application, and each of the following documents shall be submitted with a GF application. Drawings must conform to accepted engineering standards and must be legible. 8 1/2" X 11" drawings are preferred.

- a) **A Single-line drawing** showing the electrical relationship and descriptions of the significant electrical components such as the PV array, wind generator inverter, Utility disconnect switch, AC panels, conductor sizes, utility meter and the appropriate operating voltages, capacities, and protective functions of the Generating Facility.
- b) **Site plans and diagrams** showing the physical location of the PV array, the inverter, AC panel, lockable disconnect at the meter location, the utility meter and any other utility equipment.
- c) **Equipment data sheets** for the inverter, PV array panels, wind generator, disconnect switches and other related equipment.
- e) **Interconnection Agreement Contract for Service** which must be signed by the customer and will be executed by Poudre Valley REA. **Please contact Poudre Valley REA's Member Services Department (970-226-1234 or 1-800 432-1012) to schedule an appointment to execute the Contract. The Contract is viewable online, www.pvrea.com but not available to execute. An executable version of this Contract will be mailed to you once this application is reviewed and approved.**

1.5 Completed Application: Completed applications should be submitted, along with the required attachments to:
 Poudre Valley REA
 Generating Facility Application
 P.O. Box 272550
 Fort Collins, CO 80527-2550
 Or email to: mdaily@pvrea.com

1.6 For assistance please contact PVREA’s Member Services Representative at (970)282-6463 or 1-800-432-1012.

Section 2 -- Customer Information

2.1 Customer GF Information - Where will the Generating Facility be located/installed?

PVREA Account number that this system is connecting to: _____
 Name on Poudre Valley REA account: _____
 Street Address: _____
 City: _____ State: _____ Zip: _____

2.2 Customer Contact Information - Contact for the generating facility (if different from section 2.1)

Customer Contact Person: _____
 Phone: _____ FAX: _____ Email: _____
 Mailing Address: _____
 City: _____ State: _____ Zip: _____

2.3 Proposed GF Start-Up Date: _____

Section 3 - GF Information

(Provide ALL information in the following sections and attach manufacturer data sheets)

3.1 System Data

- **DC Size (output)** _____ **KW**
- Roof or ground mount: _____
- Azimuth: _____ Tilt Angle: _____
- PV Watts estimated annual production: _____ total estimated kWh/year
Please attach printout of PV Watts assumptions, derate factor details (if varying from default values), and production estimation page

3.2 Inverter Data (Please attach manufacturer data sheets)

IEEE 1547 and UL 1741 Certification is required for inverters

Manufacturer		Nameplate Rating	kW
Model (Name/Number)		AC Output Voltage	Volts
Software Version (Number)		Maximum Current Output	Amps
		DC Input Voltage	Volts

3.3 PVREA Lockable Disconnect Switch A breaker or switch capable of isolating all components of a renewable energy generator must be available next to the meter. Existing meter, breaker panel, or pedestal may qualify.

3.4 Customer AC Service Panel

Service panel size: Amps Service panel short circuit rating: _____ Amps

Section 4 Installer Information:

4.1 Company Name: _____
 Company phone: _____ website: _____
 Company address (street, city, state, zip, county): _____

 Installer contact name: _____
 Installer contact phone: _____ email: _____

