Graham County Electric Cooperative, Inc.
A Touchstone Energy® Cooperative

SUN Watts

Please print the following information.

Interconnect Customer Information

Customer Name: _____ Account Number: _____

Customer Service Address (Street, City, State, ZIP Code): _____

_____

GPS Coordinates (optional): _____

Customer Mailing Address: _____

Customer Telephone Number: _____

Customer Cell Number: _____ Customer E-Mail: _____

Designated Agent (Engineer, Contractor, Electrician) other than Customer: _____

Photovoltaic Inverter/Panel Information

Inverter Manufacturer: _____Model Number: _____

Is the equipment UL 1741 listed? YES ___ NO ___ Attach manufacturer's cut-sheet showing UL 1741 listing or certified sheet stating tested to UL 1741

Number of PV Panels _____Model Nos. _____

Are the PV panels UL 1703 listed? YES ___ NO ___ Attach manufacturer's cut-sheet showing UL 1703 listing or certified sheet stating tested to UL 1703

AC Output Voltage (120 V or 120/240 V AC)

Total Power Output (kVA or kW)_____

Estimated Installation Completion Date with AHJ Approval: _____

Protection Information

Please list the available range of protection settings, which should include pickup values and time delays.

Under/Over Voltage Protection_____

Under/Over Frequency Protection_____

Under/Over Current Protection _____

Other Protection_____

System Performance and Solar Array Data

Max. Power Output (Watts): _____ Max. Power Voltage (Volts): _____

Max. Power Current (Amps): _____ Does Inverter Disconnect Properly?: _____

Miscellaneous System Design Information

Will the system utilize a supply (line) side tap per NEC 690.64(A)? _____

Will the system consist of two or more power sources (PV, Wind, Emergency generator, etc.)? _____

Is this a system expansion that only adds panels?_____

Other information contractor or engineer believe will be important, i.e., proposed exceptions _____

_____

_____

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Installation Information

The system has been installed in compliance with IEEE 929 "Recommended Practice for Utility Interface of Photovoltaic (PV) Systems" and the latest edition of the National Electric Code. The Photovoltaic System components are Listed and Tested by a NRTL to UL Standard 1741.

Contractor (signed): _____

Contractor License No.:_____ Class: _____ Expiration Date: _____
(You must include a copy of your ROC license.)

Name (print): _____

Mailing Address: _____

Telephone Number: _____ Cell Number: _____
E-Mail Address: _____

Disconnect Switch

Electrician's Name (print): _____

Electrician (signed): _____

Electrician License No.: _____ Expiration Date: _____
Telephone Number: _____ Cell Number: _____
E-Mail Address: _____

State of Arizona Registered Engineer (where required)

Engineer Name: _____ Business Name: _____
AZ Registration No.: _____
Business Address (Street, City, State, ZIP Code):_____
_____
Telephone Number_____Cell Number _____
E-Mail Address _____

Government Authority Having Jurisdiction (AHJ)

Check one:
___ City of Safford ___ Graham County
___ Town of Thatcher
___ Other, explain: _____

NOTES

1) PV/Wind Generation designs shall be prepared by and/or under the direct supervision of an AZ registrant where prescribed by the Arizona Board of Technical Registration in their Rules and Statutes. The complete Rules and Statutes may be found at the Arizona State Board of Technical Registration website: http://www.btr.state.az.us . Objections to interpretations of these Rules and Statutes will be submitted to the AZ Board of Technical Registration for resolution. GCEC will support the following but not limited to Rules and Statutes:
(a) the Arizona Administrative Code Title 4, Chapter 30, Article 3, Section R4-30-302 Electrical Plans, A. states:
"A registrant shall prepare and submit drawings and specifications for a new electrical system or an addition or modification to an existing electrical system provided the service and associated electrical feeders exceeds 600 amperes 120/240 volts, single phase or 225 amperes 120/208 volts, three phase and the fault current exceeds 10,000 amperes. "
(b) Arizona Revised Statutes, Title 32, Chapter 1, Article 3. Regulatory Provisions, 32-142 Public Works A., states:
"Drawings, plans, specifications, estimates for public works of the state or a political subdivision thereof involving architecture, engineering, … shall be prepared by or under the direct supervision of a registrant within the category involved."

2) The SunWatts program requires the customer/contractor obtain a construction permit and pass AHJ plans review and an AHJ installation inspection. If the customer submits an exemption from the AHJ installation inspection, the owner may at their option and expense, provide to GCEC a certification from a State of Arizona registered professional engineer. The certification shall be stamped by the engineer and state the installation adheres to all applicable local, national and industry codes and standards. In addition, the engineer shall certify that all equipment and material are in agreement with SunWatts application and design information submitted to GCEC, and the equipment and material are installed according to manufacturer's recommendations, GCEC SunWatts requirements and GCEC Service Entrance Requirements.

Additional Information

The customer must include an electrical one-line and three-line diagram of the PV installation with this agreement form. The electrical one-line diagram must show connections, bus size, circuit breakers (size & backfeed rated?), fuses, etc. between main electrical components such as meter(s), main panel, main disconnect switch/breaker, PV breaker, ac utility disconnect switch, PV inverter(s), sub-panel, loads, etc. The customer must also include a detailed map that shows major cross roads and plant locations. A Site Plan must be submitted showing the arrangement of major equipment, including the electric service entrance section and utility meter, locations of PV inverter, interface equipment, and Disconnect Switch. The licensed electrical or PV contractor should be able to provide the electrical one-line diagram, three-line diagram, detailed map, and site plan, and detailed material/labor invoice. Incomplete submittals may result in project delays.

Customer and Customer contractor/electrician agree not to tamper and/or disable any GCEC Hold Tag or GCEC padlock on the ac utility disconnect switch. The purpose of this switch is to protect GCEC personnel and emergency agency personnel from dangerous backfeeds on circuits they are working on. The Customer is aware that GCEC personnel will not energize the solar system when they remove the GCEC hold tag and padlock.

Customer agrees not to encroach on or reduce the safe work space area required by GCEC Service Entrance Specifications around the GCEC service meter and the ac utility disconnect switch.

Customer agrees that GCEC equipment, in particular the ac utility disconnect switch shall remain readily accessible on a 24 hour/7 days a week basis.