

UMPA/MEMBER CITY - SOLAR POWER PROGRAM

ATTACHMENT B APPLICATION TO PARTICIPATE

I. Instructions.

A. Applicability.

A Customer may apply to participate in the Solar Power Program (Solar Program) by completing and submitting this Application. A description of the Solar Program and its requirements are found in the Solar Power Program Guidelines (Guidelines). Customers interested in applying for the Solar Program should read the Guidelines carefully before submitting this application.

The capitalized terms in this Application are defined in Attachment A to the Guidelines.

This Application applies only to the Solar Program. Customers with a Solar generator having a capacity less than 25 kW may participate in the Member Electric Utility's Net Metering Program. Information concerning each of these programs is available on the Agency's website – www.umpa.cc.

B. Solar Program Agreements.

A Customer whose Application is approved must enter into a Power Sales Agreement (Attachment C) and an Interconnection Agreement (Attachment D) prior to the construction of the Solar Facility. The terms of these agreements may affect the economic and/or operational viability of the proposed Solar Facility. The Agency and Member Cities strongly encourage Customers to carefully review these Agreements before applying. These Agreements are attached to the Solar Program Guidelines.

C. Customer's Responsible for Design and Operation of Solar Facility.

The Customer is solely responsible and assumes all risk and liability for the safe, reliable, and economic operation of the Solar Facility. The Customer shall also test the Solar Facility as required by Agreements, both prior to connection to the Member Electric Utility's System and thereafter during operation.

The Agency's approval of a Customer's Application is not intended nor, should it be interpreted as the Agency and its Member Electric Utility's representation or warranty that the Customer's Facility complies with any applicable law including, without limitation, local land use or business ordinances. The Agency and its Member Electric Utility's approval of the Application, including the design and specifications or the Customer's compliance with the Agreements or the Program Standards, does not mean that the Solar Facility is safe or may be reliably or economically operated. The Agency and its Member shall not be liable or responsible for the safety, reliability, design, or protection of the Solar Facility.

D. Required Documentation and Fees.

The Customer's Application should affirmatively show that the proposed Solar Facility complies with the Program Standards including the Agency and Member City's Interconnection Standards. The Customer should direct questions concerning the application of the Program Standards to the Member's Electric Utility Manager.

The Agency will not begin review of an Application unless the Customer pays the Application Fee and submits two copies of the Application along with an electronic version on thumb drive, and the following drawings and documents. Drawings should be readable in a 11" x 17" format, must conform to accepted engineering standards, and be certified by a Utah licensed electrical engineer:

1. A single-line and three-line drawing showing: (a) the electrical relationship and descriptions of the significant electrical components such as the inverter, primary switchgear, secondary switchboard, protective relays, transformers, generators, circuit breakers, with operating voltages, capacities, and protective functions, (b) the Customer's loads, and (c) the interconnection with the Member Electric Utility's System, which is typically the Production Meter.
2. Cut sheets on all equipment including inverters, generators, fuses, circuit breakers, and switches.
3. Short circuit calculations.
4. Site plans and diagrams showing the physical layout of the Solar Facility and the location of associated structures and infrastructure such as buildings, streets, driveways, water ways, fences, the Customer's generating equipment, and the Member's Electric Utility System.
5. Equipment data sheets issued by the manufacturer for all major components to be installed such as switchgear, secondary switchboard, protective relays, transformers, generators, circuit breakers, inverters, disconnect switches, transfer switches, battery banks, turbines, motors (including operating voltages), capacities, and protective functions.
6. Customer-owned transformers, if used, to interconnect the Solar Facility with the Member's Electric Utility System, provide transformer nameplate information (voltages, capacity, winding arrangements, connections, impedance, et cetera).
7. Transfer switches or schemes used to interconnect the Solar Facility with the Member's Electric Utility System, provide component descriptions, capacity ratings, and a technical description of how the transfer scheme is intended to operate.
8. Protective relays or elements used to control and protect the interconnection. Provide protection diagrams and control schematics showing relay wiring and connections, proposed relay settings, and a description of how the protection scheme is intended to function.

9. Certified test reports, issued by the manufacturer, that demonstrate the generator meets applicable standards may be required for certain applications. Contact the Member’s Electric Utility Manager to determine if test reports are needed.

10. Completed Project Development Team Form.

11. Schedule 1 - Estimated Annual Production. The annual estimate of energy production, based on PVWatts® (NREL) or similar calculator.

E. Engineering Study and System Upgrades.

The Agency and Member City will conduct a preliminary engineering review of the completed Application and supporting documents to determine whether the proposed Solar Facility complies with the Program Standards, the Member’s Electric Utility Interconnection Standards, and the Electric Codes and whether System Upgrades are required and the estimated cost of the System Upgrades. The cost of the preliminary engineering review is included in the Application Fee.

If System Upgrades are required, the Customer shall be responsible for the costs of the System Upgrades, including detailed engineering, as necessary. The Customer must pay the estimated costs before the Member City will begin construction of the System Upgrades.

II. Application Form to Participate in Solar Power Program

Customer Account Information and Location of Solar Facility.

Customer Name: _____

Address: _____

Address of Service Connection: _____

Zip: _____

Please state the basis on which the Customer claims a right to construct and operate the Solar Facility at the Service Address, including Customer's interest in property and permitted uses under applicable zoning and subdivision/homeowner association covenants:

For Member City's use only:

- *Electric Account Number:* _____
- *Meter Number:* _____
- *Circuit or Feeder Number:* _____

Customer

Contact Information

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

Customer Contractor/Engineer Contact Person

- Contractor/Engineer Contact Person: _____
- Solar Company Name: _____
- Phone: _____ FAX: _____
- Email: _____
- Mailing Address: _____
- State: _____ Zip: _____

Proposed Start of Construction Date: _____

Proposed Commissioning Date: _____

Solar Facility Information

- A. Provide the maximum 3-phase fault current that will be contributed by the proposed Solar Facility to a 3-phase fault at the Point of Common Coupling (PCC).

If the Solar Facility is single phase in design, please provide the contribution for a line-to-line fault.

Consult an electrical engineer or the equipment supplier if assistance is needed in answering this question and please describe the assumptions used in calculating the maximum fault current contribution value.

- Maximum fault current: _____ Amps
- Service panel short circuit rating: _____ Amps
- Transformer size for the Facility: _____ KVA

B. Solar Facility Data

Provide the following information for each Solar photovoltaic panel in the Solar Facility:

Manufacturer (Name) _____

Model (Name/Number) _____

Gross Nameplate Rating - KW _____

Net Nameplate Rating – KW _____

Operating Voltage - V _____

Inverter Rating - KW _____

Has the Solar Facility's inverter been manufactured and tested to UL, ANSI or IEEE standards?

- Yes - If yes, provide manufacturer or testing documentation.
- No

Wiring Configuration

- Single-Phase
- Three-Phase

Signature

- The signing representative for the solar company submitting this Application on the Customer's behalf hereby certify, under penalty of perjury, that the information in this Application, the attached plans and project description, and any other information submitted in support of this application are true and correct.
- The signing representative for the Customer agrees that, in its construction and operation of the Facility, it will comply with the Agency and Member Electric Utility Solar Power Program, its service rules, regulations, and Interconnection Standards, and comply with all applicable laws and electric codes.

Solar Company

Company Name: _____
Signature: _____
Name: _____
Title: _____
Date: _____

Customer

Company Name: _____
Signature: _____
Name: _____
Title: _____
Date: _____