

**Net Metering
Application for Interconnection**

This Application is considered complete when it provides all applicable and correct information required below. Additional information or clarification to evaluate the Application may be requested by the City.

Customer

Name: _____

Contact Person: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

Generating Facility Information

Location (if different from above): _____

Account Number: _____

Inverter Manufacturer: _____

Model: _____

Nameplate Rating: (kW) _____ (kVA) _____
(AC Volts) Single Phase _____ Three Phase _____

System Design Capacity: _____ (kW) _____ (kVA)

Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell
 Turbine Other _____

Energy Source: Solar Wind Hydro Methane Biomass
 Geo Thermal Hydro Power

Other (describe) (Diesel, Natural Gas, Fuel Oil) _____

Is the equipment UL1741 Listed? Yes _____ No _____

 If Yes, attach manufacturer's cut-sheet showing UL1741 listing

Estimated Installation Date: _____ Estimated In-Service Date: _____

List components of the Small Generating Facility equipment package that are currently certified:

| Equipment Type | Certifying Entity |
|----------------|-------------------|
| 1. _____ | _____ |
| 2. _____ | _____ |
| 3. _____ | _____ |
| 4. _____ | _____ |
| 5. _____ | _____ |

Customer Signature

I hereby certify that, to the best of my knowledge, the information provided in this Application is true. I agree to abide by the terms and conditions of the City's Interconnection Agreement and will return the Certificate of Completion when the Generating Facility has been installed.

Signed: _____

Title: _____ Date: _____

Contingent Approval to Interconnect the Generating Facility

Interconnection of the Generating Facility is approved contingent upon the terms and conditions of the City's Interconnection Agreement Inspection and upon return of the Certificate of Completion.

City Signature: _____

Title: _____ Date: _____

Net Metering INTERCONNECTION AGREEMENT

This Agreement, (“**Agreement**”) is entered into by and between the City of Glenwood Springs, Colorado and _____, (“**Customer**”). Customer and City are referenced in this Agreement collectively as “**Parties**” and individually as “**Party**.”

Recitals

WHEREAS, City is a publicly-owned electric utility engaged in the retail sale of electricity in the state of Colorado.

WHEREAS, Customer owns or desires to install, own and operate an electric Generating Facility;

Agreement

NOW, THEREFORE, in consideration of the covenants and promises herein, the Parties mutually agree as follows:

1. **SCOPE OF AGREEMENT**
This Agreement governs the terms and conditions under which the Customer’s Generating Facility will interconnect with, and operate in parallel with, the City’s electrical system.

2. **PARALLEL OPERATION**
Customer shall not commence parallel operation of the generating facility until written approval of the interconnection facilities has been given by City. Such approval shall not be unreasonably withheld. City shall have the right to have representatives present at the initial testing of Customer’s protective apparatus and receive a copy of the inspection from the State Electrical Division pursuant to Colorado law.

3. **CONDITIONS FOR APPROVAL**
 - A. Generating facility shall include a metering system that meets all applicable standards, regulations, and statutes that will meter the generation prior to customer usage and capable of recording the monthly output (kilowatts) of the generation facility based on the highest 15 minute rolling interval delivered to the customer and a second meter capable of reverse power flow measurement for net kilowatt hour readings. The facility will include full protective systems to protect utility line personnel from back feed onto the utility grid system upon utility power failure. See Exhibit A One line Diagram.
 - B. All wiring to be in accordance with the current National Electric Code safety and protection requirements and utility power quality standards for voltage and frequency. Inverters must be UL listed and approved. The system must be grid- tied (utility net metering applies) and requires a minimum 5 year warranty on the panels, inverters and installation. For small PV supply

systems, harmonic content injection shall be limited to the levels prescribed in IEEE-519.

- C. Systems must be installed by a NABCEP certified installer. Submit copy of installer certification to the City with Net Metering Application for Interconnection.
- D. The AC outlet supply shall be wired to an outside disconnect, labeled, “WARNING!! DUAL POWER SUPPLY”, installed adjacent to or at the main point of service disconnect. See Exhibit B Warning Label Diagram.
- E. A 1- line electrical diagram of the generating system shall be furnished to the City prior to installation. The 1-line electrical diagram shall show all wiring, connecting point and protective devices for the selected equipment components at this site.
- F. Generating facility shall be sized to supply no more than **120 percent** of the customer’s average annual electricity consumption at the site, where the site includes all contiguous property owned or leased by the consumer, without regard to interruptions in contiguity caused by easements, public thoroughfares, transportation, rights-of-ways, or utility rights-of-way.
- G. Maximum Limits. The following maximum limits will apply, without exception, to the monthly excess generation provisions of this policy.
 - a. Residential Customer –Generators may generate electricity subject to this net metering policy up to **10 kilowatts.**
 - b. Commercial or Industrial Customer- Generators may generate electricity subject to this net metering policy up to **25 kilowatts.**

4. BILLING

- A. The city shall furnish and install a meter capable of reverse power flow measurement. This meter shall be capable of subtracting kilowatt-hours flowing out to the City utility grid from the kilowatt-hours supplied from the utility grid, resulting in **net kilowatt hour** readings delivered to the customer for billing by the City.
- B. Monthly excess generation. If the customer-generator generates electricity in excess of the customer-generator’s monthly consumption, all such excess energy, expressed in kilowatt-hours, shall be carried forward from month to month and credited at a ratio of **one to one** against the customer-generator’s energy consumption, expressed in kilowatt-hours, in subsequent months.
- C. Annual excess generation. Within sixty days after the end of each annual period, or within sixty days after the customer-generator terminates its retail service, the City shall account for any excess energy generation, expressed in kilowatt-hours, accrued by the customer-generator and shall credit such excess generation to the customer-generator in a manner deemed appropriate by the City. The City will offer the customer-generator one of two options; 1) the customer may request, in writing, that excess kilowatt hours be rolled over as credit from month to month indefinitely until the customer terminates the service with the City at which time no payment shall be required from the City for any remaining excess kilowatt hours supplied by the customer. 2) The City shall compensate for any excess kilowatt hours at an “Avoided Cost” rate.

Avoided cost meaning the incremental or marginal cost to an electrical utility of electrical energy or capacity, or both, which, the utility would generate itself or would purchase from another source less the cost of transmission and distribution. Annual period for excess generation will be from April 1st to March 31st.

D. INTERCONNECTION COSTS

The Customer agrees to pay, if necessary, the costs associated with system upgrades to the city's Distribution System per; "The City of Glenwood Springs Line Extension Policy".

E. INTERRUPTION OR REDUCTION OF DELIVERIES

City may require Customer to interrupt or reduce deliveries and/or automatically isolate the facility from the electrical system when the City determines, in its sole discretion, that curtailment, interruption or reduction is necessary because of personnel safety, emergencies, Force Majeure or compliance with Good Utility Practices.

F. ADVERSE OPERATING EFFECTS

The interconnection of the customer-owned generation shall not reduce the reliability and quality of the Distribution System. This includes, but is not limited to high levels of harmonics, abnormal voltage fluctuations and excessive frequency deviations. The City shall notify the Customer as soon as practicable if, based on Good Utility Practice, operation of the Generating Facility may cause disruption or deterioration of service to other customers served from the same electric system, or if operating the Generating Facility could cause damage to the City's distribution system. If, after notice, the Customer fails to remedy the adverse operating effect within a reasonable time, the City may disconnect the Generating Facility. The City shall provide the Customer with notice of such disconnection as provided in the City's Service Policies.

G. ACCESS TO PREMISES

City shall have access to the Customer's premises or property for meter reading purposes and testing. The City reserves the right to conduct power quality surveys upon providing appropriate notice to the owner.

H. INDEMNITY AND LIABILITY

The Parties shall at all times indemnify, defend, and hold the other Party and the directors, officers, employees and agents for said Party, harmless from, any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demand, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the other Party's action or failure to meet its obligations under this Agreement on behalf of the indemnifying Party, except in cases of gross negligence or intentional wrongdoing by the indemnified Party.

I. CONSEQUENTIAL DAMAGES

Other than as expressly provided for in this Agreement, neither Party shall be liable under any provision of this Agreement for any losses, damages, costs or expenses for any special, indirect, incidental, consequential, or punitive damages, including but not limited to loss of profit or revenue, loss of the use of equipment, cost of capital, cost of temporary equipment or services, whether based in whole or in part in contract, in tort, including negligence, strict liability, or any other theory of liability; provided, however, that damages for which a Party may be liable to the other Party under another agreement will not be considered to be special, indirect, incidental, or consequential damages hereunder.

J. GOVERNING LAW

This Agreement shall be interpreted and governed under the laws of the State of Colorado.

K. DOCUMENTS

The Agreement includes the following documents, which are attached and incorporated by reference:

- a. Application for Interconnection
- b. Interconnection Agreement
- c. Certificate of Completion
- d. Exhibit A One Line Diagram
- e. Exhibit B Warning Label Diagram

Net Metering Certificate of Completion

Is the Generating Facility installed, tested and ready for operation? Yes _____ No _____

Inspection:

As a condition of interconnection, you are required to email/fax a copy of this form along with a copy of the signed **State Electric Inspection** and a copy of the **Certificate of Completion** from the city building department to:.

Company: Glenwood Springs Electric Department

Address: 2301 Wulfsohn Road

City, State, ZIP: Glenwood Springs, Colorado 81601

Fax: 970-945-5521 Email: metertech@cogs.us or doug.hazzard@cogs.us

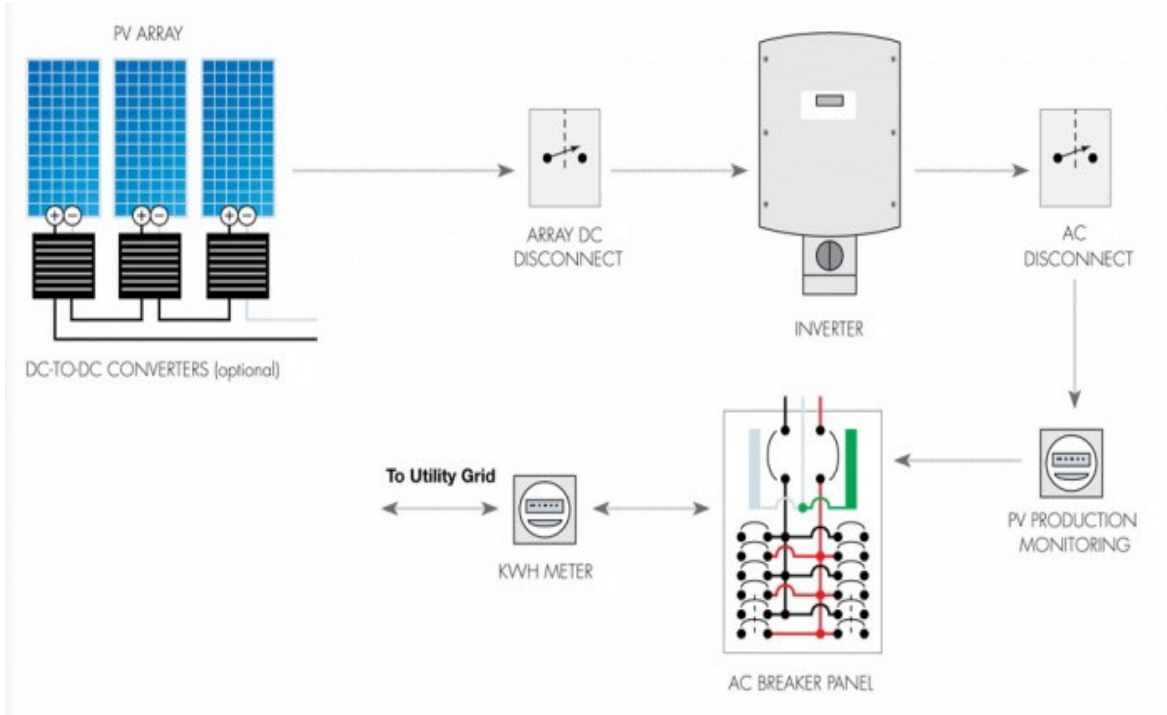
Approval to Energize the Generating Facility

Energizing the Generating Facility is approved:

City Signature: _____

Title: _____ Date: _____

Exhibit A "ONE-LINE DIAGRAM"



PV Module Information:

Manufacture

Model #

PV Array information:

of Modules in Series

of Parallel Circuits

Inverter Information:

Manufacturer Model

#

Max DC Volt Rating

Max Power Rating

Nominal AC Voltage

Max AC Current

DC Disconnect Rating:

Max DC Voltage

Max Operating Amps

AC Disconnect Rating:

Max AC Voltage

Max Operating Amps

Exhibit B - EXAMPLE WARNING LABEL DIAGRAM



THIS SIGN IS ATTACHED TO THE "METER HOUSING" AND IS AT LEAST 2 x 4 INCHES IN SIZE AND MUST BE WEATHERPROOF AND PERMANENT.

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4" x 2"



THESE SIGNS ARE PERMANENTLY ATTACHED TO THEIR RESPECTIVE DISCONNECT SWITCHES.

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THIS SIGN IS TO BE PLACED AT THE LOAD CENTER DIRECTLY NEXT TO THE ACTUAL PV BREAKER