

**Policy Bulletin No. 25  
Net Metering**

**Public Utility District No. 1 of Klickitat County  
1313 South Columbus  
Goldendale, WA 98620**

**Interconnection Agreement  
For  
Net Energy Metering  
With  
Customer Solar, Wind, Fuel Cell, and Hydropower  
Electric Generating Facilities  
Of  
25 Kilowatts Or Less**

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**Interconnection Agreement  
For Net Energy Metering  
With  
Customer, Solar, Wind, Fuel Cell, and Hydropower  
Electric Generating Facilities  
Of 25 Kilowatts Or Less**

\_\_\_\_\_ (“Customer-Generator”), and **Public Utility District No. 1 of Klickitat County** (“Utility”), referred to collectively as “Parties” and individually as “Party”, agrees as follows:

1. CUSTOMER-ELECTRIC GENERATING FACILITY:

- 1.1 Location service address (to be entered by Utility): \_\_\_\_\_
- 1.2 Transformer kW (to be entered by Utility): \_\_\_\_\_ kW (kilowatts)
- 1.3 Physical address:  
\_\_\_\_\_
- 1.4 Facility will be ready for operation on or about (date):  
\_\_\_\_\_
- 1.5 Photovoltaic Array Rating: \_\_\_\_\_ kW
- 1.6 Wind-Generator Rating: \_\_\_\_\_ kW
- 1.7 Hydropower Generator Rating: \_\_\_\_\_ kW
- 1.8 Fuel Cell: \_\_\_\_\_ kW
- 1.9 Inverter Make and Model: \_\_\_\_\_ Rating:  
\_\_\_\_\_ kW  
(product literature describing grid disconnect features must be included with agreement)
- 1.10 Operating Option: Customer-Generator has elected to operate a solar, wind, fuel cell or hydro-electric generating facility, with a generating capacity of not more than twenty-five kilowatts, in parallel with Utility’s transmission and distribution facilities. The electric generating facility is intended primarily to offset part or all of the Customer-Generator’s own electrical requirement.
- 1.11 The net metering system used by the Customer-Generator shall be located on the Customer-Generator’s premises and shall include all equipment necessary to meet applicable safety, power quality, and interconnection requirements established by the National Electrical Code, National Electrical Safety Code, the Institute of Electrical and Electronics Engineers, and Underwriters Laboratories.

2. PAYMENT FOR NET ENERGY

- 2.1 In the event the energy generated by the Customer Generator’s facility exceeds the energy consumed on the Customer Generator’s premise, the excess may be distributed to the Utility’s grid will be metered by the Utility’s net metering meter. For Net Metering Installations with an electronic meter, this excess is recorded in the Whr register. For existing Net Metering Installations with mechanical meters, the excess causes the meter to run backward.
- 2.2 The Customer-Generator shall pay the Utility’s minimum monthly base charge and the current rate for the net metered kilowatt-hours consumed monthly or according to the seasonal meter reading schedule.

- 2.3 If the electricity supplied by the Utility exceeds the electricity generated by the Customer-Generator and distributed back to the Utility during the billing period, the Customer-Generator shall be billed for the net electricity supplied by the Utility, in accordance with normal metering practices.
- 2.4 If the electricity generated by the Customer-Generator and distributed back to the Utility during the billing period exceeds the electricity supplied by the Utility, the Customer-Generator:
- (a) shall be billed for the minimum monthly fee that is the same as other customers of the Utility in the same rate class: and
  - (b) shall be credited for the net excess kilowatt-hours generated, with the credit appearing on the Customer-Generator's next bill
- 2.5 By April 30<sup>th</sup> of each year, when the annual spring-time equipment inspection and meter reading is performed by the Utility, any remaining unused kilowatt-hour credit accumulated during the previous year shall be granted to the Utility, without any compensation to the Customer-Generator.
- 2.6 Customer-Generator shall pay any amount owing for electric service provided by Utility in accordance with applicable tariff schedules. Nothing in this section 2 shall limit Utility's rights under applicable tariff schedules.

### 3. INTERRUPTION OR REDUCTION OF DELIVERIES

- 3.1 Utility may require Customer-Generator to interrupt or reduce deliveries: (a) when necessary in order to construct, install, maintain, repair, replace, remove, investigate or inspect any of its equipment or part of its system: or (b) if it determines that curtailment, interruption or reduction is necessary because of emergencies, force or compliance with prudent electrical practices.
- 3.2 Whenever possible, Utility shall give Customer-Generator reasonable notice of the possibility that interruption or reduction of deliveries may be required.
- 3.3 Notwithstanding any other provision of this Agreement, if at any time Utility determines that either (a) the facility may endanger Utility personnel, or (b) the continued operation of Customer-Generator's facility may endanger the integrity of Utility's electric system, Utility shall have the right to disconnect Customer-Generator's facility from Utility's electric system. Customer-Generator's facility shall remain disconnected until such time as Utility is satisfied that the condition(s) referenced in (a) of (b) of this section 3.3 have been corrected.

### 4. INTERCONNECTION

- 4.1 Customer-Generator shall deliver the excess energy to Utility at the Utility's meter.
- 4.2 Customer-Generator shall pay for designing, installing, operating, and maintaining the electric generating facility in accordance with all applicable laws and regulations and shall comply with Utility's Appendix A, which is attached hereto.
- 4.3 Customer-Generator shall pay for utility's standard watt-hour meter electrical hook-up, if not already present. Utility, at their option, may install one or two meters.
- 4.4 Customer-Generator shall not commence parallel operation of the generating facility until written approval of the interconnection facilities has been given by Utility. Such approval shall not be unreasonably withheld. Utility shall have to right to have representatives present at the initial testing of Customer-Generator's protective apparatus.

## 5. MAINTENANCE AND PERMITS

Customer-Generator shall: (a) maintain the electric generating facility and interconnection facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Utility's Appendix A: and (b) obtain any governmental authorizations and permits required for the construction and operation of the electric generating facility and interconnection facilities. Customer-Generator shall reimburse Utility for any and all losses, damages, claims, penalties, or liability it incurs as a result of Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer-Generator's generating facility or failure to maintain Customer-Generator's facility as required in (a) of this Section 5.

## 6. ACCESS TO PREMISES

Utility may enter Customer-Generator's premises or property: (a) to inspect with prior notice at all reasonable hours Customer-Generator's protective devices and read test meter: and (b) to disconnect at the Utility's meter or transformer, without notice, the interconnection facilities if, in Utility's opinion, a hazardous condition exists and such immediate action is necessary to protect persons, or Utility's facilities, or property of others from damage or interference caused by Customer-Generator solar-electric facilities, or lack of properly operating protective devices or inability to inspect the same.

## 7. INDEMNITY AND LIABILITY

- 7.1 Customer-Generator shall defend save harmless and indemnify, Utility and the directors, officers, employees and agents for Utility against and from any and all loss, liability, damage, claim, cost, charge, demand or expense (including any direct, indirect or consequential loss. liability, damage, claim, cost, charge, demand or expense, including attorney fees) for injury or death to persons (including employees of Utility) and/or damage to property arising out of or in connection with (a) the engineering design, construction maintenance, repair, operation, supervision, inspection, testing, protection or ownership of, or (b) the making of replacements, additions, betterment's to, or reconstruction of, the Customer-Generator's facilities: provided, however, Customer-Generator's duty to indemnify Utility hereunder shall not extend to loss, liability, damage, claim, cost, charge, demand or expenses resulting from interruptions in electrical service to Utility's customers other than Customer-Generator. This indemnity shall apply notwithstanding the active or passive negligence of the Customer-Generator. However, Utility shall not be indemnified hereunder for its loss, liability, damage, claim, cost, charge, demand or expense resulting from its sole negligence or willful misconduct. The liability of Utility to Customer-Generator shall be governed and limited to Utility's general duties to its members/customers pursuant to its bylaws and membership rules.
- 7.2 Notwithstanding the indemnity of Section 7.1, and except for a Party's willful misconduct or sole negligence, each Party shall be responsible for damage to its facilities resulting from electrical disturbances or faults.
- 7.3 The provisions of the Section 7 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any insurance policy.



13. TERM OF AGREEMENT

This Agreement shall be in effect when signed by the Customer-Generator and Utility and shall remain in effect thereafter month to month unless terminated by either Party on thirty (30) days prior written notice in accordance with Section 12.

14. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives.

This Agreement is effective as of the last date set forth below.

**(CUSTOMER-GENERATOR)**

**PUBLIC UTILITY DISTRICT NO. 1  
OF KLICKITAT COUNTY**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

## APPENDIX A

### **Public Utility District No. 1 of Klickitat County Interconnection Standards For Customer Electric Generating Facilities Of 25kW Or Less**

#### A. General

This Appendix sets forth the requirements and conditions for interconnected non-utility owned electric generation where such generation may be connected for parallel operation with the service of the Utility. For safety reasons, parallel operation of customer generation shall conform with KPUD's Policy Bulletin No. 12. For purposes of this Appendix, the interconnecting entity shall be designed Customer-Generator.

#### B. Design Requirements

1. Customer-Generator shall conform to all applicable National Electric Code (NEC) Standards, building codes and shall possess approved electrical permit(s) for the equipment installation.
2. Customer-Generator shall have a dedicated circuit breaker between sources of alternating-current, i.e. between inverter(s) or other power conditioning unit(s) and the Utility distribution system.
3. Customer-Generator's overcurrent device at the service panel shall be marked to indicate power source, i.e. label disconnect breaker for the output of power conditioning unit to the Utility distribution system and, if separate, label disconnect breaker for Utility power to overcurrent device.
4. Customer-Generator's power production control system shall comply with applicable NEC requirements and Institute of Electrical and Electronics Engineers (IEEE) Standards, and shall meet minimum specifications and standards for parallel operation with the Utility, in particular the:
  - a. Power output control system shall automatically disconnect from Utility source upon loss of Utility voltage and not reconnect until Utility voltage has been restored by the Utility.
  - b. Power output control system shall automatically disconnect from Utility source if Utility voltage fluctuates beyond plus or minus 10% (ten percent).
  - c. Power output control system shall automatically disconnect from Utility if frequency fluctuates plus or minus 2 cycles (Hertz).
  - d. Inverter output distortion shall meet IEEE 519.
5. Meter and transformer or transformer pole serving the Customer-Generator shall be labeled to indicate potential electric current back feed. The Utility will provide labels when Customer-Generator's electric system is approved for interconnection.

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Adopted by the Board of Commissioners: 2/8/00  
Revisions Approved: 07/25/00 and 3/09/2010

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Ray A. Mosbrucker, President

ATTEST:

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Randy L. Knowles, Vice President

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Dan G. Gunkel, Secretary