

**PUBLIC UTILITY DISTRICT NO. 1  
OF WAHIAKUM COUNTY, WASHINGTON**

**NET METERING  
INTERCONNECTION STANDARDS POLICY**

**Interconnection of Electric Generators**

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Generating Capacity of Not More Than 100 Kilowatts

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## Chapter 1 Purpose and Scope

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- 1) The purpose of this chapter is to establish rules and standards for determining the terms and conditions governing the interconnection of electric generating facilities with a nameplate generating capacity of not more than 100 kilowatts to the electric system of Public Utility District No. 1 of Wahkiakum County, Washington ("utility").
- 2) These rules are intended to be consistent with the requirements of chapter 80.60 RCW, Net Metering of Electricity and to comply with provisions of Section 1254 of the Energy Policy Act of 2005, Pub. L. No. 109-58 (2005) that amended section 111(d) of the Public Utility Regulatory Policy Act (PURPA) relating to Net Metering (subsection 11) and Interconnection (subsection 15); and to promote the purposes of Substitute Senate Bill 5101, Chapter 300, Laws of 2005 (effective July 1, 2005) and Engrossed Substitute House Bill 2352 (effective June 7, 2006).
- 3) These standards govern the terms and conditions under which the Applicant's generating facility will interconnect with, and operate in parallel with, the utility's electric system. These standards do not govern the settlement, purchase or delivery of any power generated by the applicant's generating facility.

## Chapter 2 Application of Rules

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- 1) These rules include various requirements applicable to the utility, the Applicant and the Generator.
- 2) These rules modify, if necessary, any existing interconnection rules of the utility, including but not limited to, rules implementing chapter 80.60 RCW, Net Metering of Electricity.

## Chapter 3 Definitions

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**"Applicant"** means any person, corporation, partnership, government agency, or other entity applying to interconnect a generating facility to the utility's electric system pursuant to this chapter.

**"Application"** means the written notice as defined in WAC 480-108-030 provided by the applicant to the utility that initiates the interconnection process.

**"Certificate of completion"** means the attached certificate furnished by the utility and completed by the applicant or generator and the electrical inspector having jurisdiction over the installation of the facilities indicating completion of installation and inspection of the interconnection.

**"Commission"** means the governing board of the Public Utility District No. 1 of Wahkiakum County.

**"Electric system"** means all electrical wires, equipment, and other facilities owned or provided by the utility that are used to transmit electricity to customers.

**"Generating facility"** means a source of electricity owned by the applicant or generator that is located on the applicant's side of the point of common coupling, and all facilities ancillary and appurtenant thereto, including interconnection facilities, which the applicant requests to interconnect to the utility's electric system.

**"Generator"** means the entity that owns and/or operates the generating facility interconnected to the utility's electric system.

**"Initial operation"** means the first time the generating facility is in parallel operation with the electric system.

**"In-service date"** means the date on which the generating facility and any related facilities are complete and ready for service, even if the generating facility is not placed in service on or by that date.

**"Interconnection"** means the physical connection of a generating facility to the electric system so that parallel operation may occur.

**"Interconnection agreement"** means the standardized terms and conditions that govern the interconnection of generating facilities pursuant to these rules. The model interconnection agreement may be modified to accommodate terms and conditions specific to individual interconnections, subject to the conditions set forth in these rules.

**"Interconnection facilities"** means the electrical wires, switches and other equipment used to interconnect a generating facility to the electric system.

**"Maximum Generating Capacity"** means maximum amount of energy that the generator is capable of producing on an instantaneous basis.

**"Meter Aggregation"** means the administrative combination of readings from and billing for all meters, regardless of the rate class, on premises owned or leased by a generator located within the utility's service territory.

**"Net metering"** means measuring the difference between the electricity supplied by the utility and the electricity generated by a generating facility that is fed back to the utility over the applicable billing period.

**"Net metering system"** means a fuel cell, a facility that produces electricity and used and useful thermal energy from a common fuel source, or a facility for the production of electrical energy that generates renewable energy, and that: (a) has an electrical generating capacity of not more than one hundred kilowatts; (b) is located on the generator's premises; (c) operates in parallel with the electric utility's transmission and distribution facilities; and (d) is intended primarily to offset part or all of the generator's requirements for electricity.

**"Network distribution system (grid or spot)"** means electrical service from a distribution system consisting of two or more primary circuits from one or more substations or transmission supply points arranged such that they collectively feed secondary circuits serving one (a spot network) or more (a grid network) utility customers.

**"Parallel operation" or "operate in parallel"** means the synchronous operation of a generating facility while interconnected with the utility's electric system.

**"Point of common coupling" or "PCC"** means the point where the generating facility's local electric power system connects to the utility's electric system, such as the electric power revenue meter or at the location of the equipment designated to interrupt, separate or disconnect the connection between the generating facility and the utility.

**"Renewable energy"** means energy generated by a facility that uses water, wind, solar energy, or biogas from animal waste as a fuel.

**"Utility"** means Public Utility District No. 1 of Wahkiakum County, Washington, which owns and operates the electrical distribution system, or the electrical distribution system itself, onto which the applicant seeks to interconnect a generating facility.

## Chapter 4 Technical Standards for Interconnection

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The technical standards listed in this section shall apply to all generating facilities to be interconnected to the utility under this chapter.

- 1) General interconnection requirements.
  - a) Any generating facility desiring to interconnect with the utility's electric system or modify an existing interconnection must meet all minimum technical specifications applicable, in their most current approved version, as set forth in this chapter.
  - b) The specifications and requirements in this section are intended to mitigate possible adverse impacts caused by the generating facility on utility equipment and personnel and on other customers of the utility. They are not intended to address protection of the generating facility itself, generating facility personnel, or its internal load. It is the responsibility of the generating facility to comply with the requirements of all appropriate standards, codes, statutes and authorities to protect its own facilities, personnel, and loads.
  - c) The specifications and requirements in this section shall apply generally to the non-utility-owned electric generation equipment (or any other facilities or equipment not owned by the utility) to which this standard and agreement(s) apply throughout the period encompassing the generator's installation, testing and commissioning, operation, maintenance, decommissioning and removal of said equipment. The utility may verify compliance at any time, with reasonable notice.
  - d) The generator shall comply with the requirements in subsections (d)(i), (d)(ii) and (d)(iii).
    - (i) Code and standards. Applicant shall conform to all applicable codes and standards for safe and reliable operation. Among these are the National Electric Code (NEC), National Electric Safety Code (NESC), the Institute of Electrical and Electronics Engineers (IEEE), American National Standards Institute (ANSI), and Underwriters Laboratories (UL) standards, and local, state and federal building codes. The generator shall be responsible to obtain all applicable permit(s) for the equipment installations on its property.
    - (ii) Safety. All safety and operating procedures for joint use equipment shall be in compliance with the Occupational Safety and Health Administration (OSHA) Standard 29, CFR 1910.269, the NEC, Washington Administrative Code (WAC) rules, the Washington Industrial Safety and Health Administration (WISHA) Standard, and equipment manufacturer's safety and operating manuals.
    - (iii) Power Quality. Installations will be in compliance with all applicable standards including IEEE Standard 519-1992 Harmonic Limits.
- 2) Specific interconnection requirements.
  - a) Applicant shall furnish and install on applicant's side of the meter, a UL-approved safety disconnect switch which shall be capable of fully disconnecting the applicant's generating facility from the utility's electric system. The switch shall also be capable of automatically disconnecting the applicant's generating facility from the utility's electric system in the event of an outage. The disconnect switch shall be located adjacent to utility meters and shall be of the visible break type in a metal enclosure which can be secured by a utility padlock. The disconnect switch shall be accessible to utility personnel at all times.

- b) The requirement in subsection (2)(a) above may be waived by the utility if: (i) applicant provides interconnection equipment that applicant can demonstrate, to the satisfaction of the utility, performs physical disconnection of the generating equipment supply internally; and (ii) applicant agrees that its service may be disconnected entirely if generating equipment must be physically disconnected for any reason.
  - c) Utility shall have the right to disconnect the generating facility at the disconnect switch under the following circumstances: when necessary to maintain safe electrical operating conditions; if the generating facility does not meet required standards, or these rules; if the generating facility at any time adversely affects or endangers any person, the property of any person, the utility's operation of its electric system or the quality of the utility's service to other customers; or failure of the owner of record, as filed with the utility, to notify the utility of a sale or transfer of the generator, interconnecting facilities or the premises on which the generator is located.
  - d) Nominal voltage and phase configuration of applicant's generating facility must be compatible to the utility's system at the point of common coupling.
  - e) Applicant must provide evidence that its generation will never result in reverse current flow through the utility's network protectors. All instances of interconnection to secondary spot distribution networks shall require review and written pre-approval by the utility. Interconnection to distribution secondary grid networks is not allowed. Closed transition transfer switches are not allowed in secondary network distribution systems.
- 3) Specifications applicable to all inverter-based interconnections. Any inverter-based generating facility desiring to interconnect with the utility's electric system or modify an existing interconnection must meet the technical specifications, in their most current approved version, as set forth below.
- a) IEEE Standard 1547-2003, Standard for Interconnecting Distributed Resources with Electric Power Systems.
  - b) UL Standard 1741, Inverters, Converters, and Controllers for Use in Independent Power Systems. Equipment must be UL listed.
  - c) IEEE Standard 929-2000, IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems.
- 4) Requirements applicable to all non-inverter-based interconnections. Non-inverter-based interconnection requests may require more detailed review, testing, and approval by the utility, at applicant cost, of the equipment proposed to be installed to ensure compliance with applicable technical specifications, in their most current approved version, including:
- a) IEEE Standard 1547-2003, Standard for Interconnecting Distributed Resources with Electric Power Systems.
  - b) ANSI Standard C37.90, IEEE Standard for Relays and Relay Systems Associated with Electric Power Apparatus.
  - c) Applicants proposing such interconnection may also be required to submit a power factor mitigation plan for utility review and approval.

## Chapter 5 Application for Interconnection

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- 1) When an applicant requests interconnection from the utility, the applicant shall be responsible for conforming to the rules and regulations that are in effect and on file with the utility. The applicant seeking to interconnect a generating facility under these rules must fill out and submit a signed application form. Information must be accurate, complete, and approved by the utility prior to installing the generating facility.
- 2) Application Fees. The utility requires a non-refundable interconnection application fee of \$100.00.
- 3) Application Prioritization. All generation interconnection requests pursuant to this chapter will be prioritized by the utility in the same manner as any new load requests. Preference will not be given to either request type. The utility will process the application and provide interconnection in a time frame consistent with the average of other service connections.
- 4) Application evaluation. All generation interconnection requests pursuant to this chapter will be reviewed by the utility for compliance with these rules. If the utility in its sole discretion finds that the application does not comply with this chapter, the utility may reject the application. If the utility rejects the application, it shall provide the applicant with written notification stating its reasons for rejecting the application.

## Chapter 6 General Terms and Conditions of Interconnection

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The general terms and conditions listed in this section shall apply to all generating facilities interconnecting to the utility.

- 1) Any electrical generating facility with a maximum electrical generating capacity of 100 kW or less must comply with these rules to be eligible to interconnect and operate in parallel with the utility's electric system. The rules under this chapter shall apply to all interconnecting generating facilities that are intended to operate in parallel with the utility's electric system irrespective of whether the applicant intends to generate energy to serve all or a part of the applicant's load or to sell the output.
- 2) In order to ensure system safety and reliability of interconnected operations, all interconnected generating facilities shall be constructed and operated by generator in accordance with this chapter and all other applicable federal, state, and local laws and regulations.
- 3) Prior to initial operation, all generators must submit a completed certificate of completion to the utility; execute the appropriate interconnection agreement contained in Appendix C, and any other agreement(s) required by these rules for the disposition of the generating facility's electric power output. The interconnection agreement between the utility and generator outlines the interconnection standards, cost allocation and billing agreements, and on-going maintenance and operation requirements.
- 4) Applicant or generator shall promptly furnish the utility with copies of such plans, specifications, records, and other information relating to the generating facility or the ownership, operation, use, or maintenance of the generating facility, as may be reasonably requested by the utility from time to time.
- 5) For the purposes of public and working personnel safety, any non-approved generation interconnections discovered will be immediately disconnected from the utility system.

- 6) To ensure reliable service to all utility customers and to minimize possible problems for other customers, the utility will review the need for a dedicated-to-single-customer distribution transformer. Interconnecting generating facilities under 100 kW may require a separate transformer. If the utility requires a dedicated distribution transformer, the applicant or generator shall pay for all costs of the new transformer and related facilities.
- 7) Metering
  - a) Net Metering for fuel cells, facilities that produce electricity and used and useful thermal energy from a common fuel source, or facilities that use water, wind, solar energy, or biogas from animal waste as a fuel as set forth in RCW 80.60: the utility shall install, own and maintain a kilowatt-hour meter, or meters as the installation may determine, capable of registering the bi-directional flow of electricity at the point of common coupling at a level of accuracy that meets all applicable standards, regulations and statutes. The meter(s) may measure such parameters as time of delivery, power factor, voltage and such other parameters as the utility shall specify. The applicant shall provide space for metering equipment. It will be the applicant's responsibility to provide the current transformer enclosure (if required), meter socket(s) and junction box after the applicant has submitted drawings and equipment specifications for the utility approval. The utility may approve other generating sources for net metering but is not required to do so.
  - b) Production Metering: The utility may require separate metering for production. This meter will record all generation produced and may be billed separately from any net metering or customer usage metering. All costs associated with the installation of production metering will be paid by the applicant.
  - c) Meter Aggregation. If requested, the utility will provide meter aggregation. Kilowatt- hours credits earned by net metering during the billing period shall be first used to offset electricity supplied by the utility. Not more than a total of 100 KW shall be aggregated per customer participating in net metering. Excess kilowatt-hours credits earned by the net metering system, during the same billing period, shall be credited equally by the utility to remaining meters located on all premises of the net metering customer at the designated rate of each meter. Meters will not change rate class due to meter aggregation.
- 8) Common labeling furnished or approved by the utility and in accordance with NEC requirements must be posted on meter base, disconnects, and transformers informing working personnel that generation is operating at or is located on the premises.
- 9) As currently set forth for qualifying generation under RCW 80.60, for solar, wind, hydro or fuel cells, no additional insurance will be necessary. For other generating facilities permitted under these standards and rules but not contained within RCW 80.60, additional insurance, limitations of liability and indemnification may be required by the utility.
- 10) Prior to any future modification or expansion of the generating facility, the generator will obtain utility review and approval. Wahkiakum County PUD reserves the right to require the generator, at the generator's expense, to provide corrections or additions to existing electrical devices in the event of modification of government or industry regulations and standards.
- 11) For the overall safety and protection of the utility system, RCW 80.60 currently limits interconnection of generation for net metering to 0.25% of the utility's peak demand during 1996. Additionally, interconnection of generating facilities to individual distribution feeders will be limited to 10% of the feeder's peak capacity.

- 12) It is the responsibility of the generator to protect its facilities, loads and equipment and comply with the requirements of all appropriate standards, codes, statutes and authorities.
- 13) Charges by the utility to the applicant or generator in addition to the application fee, if any, will be cost-based and applied as appropriate. Such costs may include, but are not limited to, transformers, production meters, and utility testing, qualification, and approval of non-UL 1741 listed equipment. The generator shall be responsible for any costs associated with any future upgrade or modification to its interconnected system required by modifications in the utility's electric system.
- 14) This chapter governs the terms and conditions under which the applicant's generating facility will interconnect with, and operate in parallel with, the utility's electric system. This chapter does not govern the settlement, purchase or delivery of any power generated by applicant's generating facility. The purchase or delivery of power, including net metering of electricity pursuant to Chapter 80.60. RCW, and other services that the applicant may require will be covered by separate agreement or pursuant to the terms, conditions and rates as may be from time to time approved by the utility. Any such agreement shall be complete prior to initial operation and filed with the utility.
- 15) Generator may disconnect the generating facility at any time, provided that the generator provides reasonable advance notice to the utility.
- 16) Generator shall notify the utility prior to the sale or transfer of the generating facility, the interconnection facilities or the premises upon which the facilities are located. The applicant or generator shall not assign its rights or obligations under any agreement entered into pursuant to these rules without the prior written consent of the utility, which consent shall not be unreasonably withheld.
- 17) Generator shall transfer any Renewable Energy Certificates (RECs) to the utility.
- 18) The utility is not obligated under any circumstances to provide a market for, or market to any other entity(ies), any electricity generated by the generator that exceeds the electricity supplied by the utility.

## **Chapter 7 Certificate of Completion**

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All generating facilities must obtain an electrical permit and pass electrical inspection before they can be connected or operated in parallel with the utility's electric system. Generator shall provide written certification to the utility that the generating facility has been installed and inspected in compliance with the local building and/or electrical codes.

## **Chapter 8 Required Filings - Exceptions**

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The utility shall maintain on file for inspection at its place of business, the charges, terms and conditions for interconnections pursuant to these rules. Such filing includes forms of the following documents and contracts:

- a) Application
- b) Interconnection Agreements
- c) Certificate of Completion
- d) Customer Checklist

### **Supersedure:**

This Policy supersedes any previous Policy, Resolution or action that conflicts with the provisions of this Policy.

**Adopted** this \_\_\_\_ day of \_\_\_\_\_, 2017 by the Board of Commissioners of Public Utility District No. 1 of Wahkiakum County, Washington.

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Dennis Reid, President

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Eugene Healy, Vice President

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Robert Jungers, Secretary

**APPENDIX A**

**Application for Interconnecting a Generating Facility No Larger than 100kW**

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

**Processing Fee**

A non-refundable processing fee of \$100.00 must accompany this Application.

**Interconnection Customer**

Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Service Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Telephone (alternate number): \_\_\_\_\_

E-Mail Address: \_\_\_\_\_ Fax: \_\_\_\_\_

**Contact Customer (if different from Interconnection Customer)**

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Telephone (alternate number): \_\_\_\_\_

E-Mail Address: \_\_\_\_\_ Fax: \_\_\_\_\_

Owner of the facility (including % ownership by any electric utility): \_\_\_\_\_

**Generating Facility Information**

Location (if different from above): \_\_\_\_\_

Electric Service Company: \_\_\_\_\_ 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 \_\_\_\_ Diesel \_\_\_\_ Natural Gas \_\_\_\_ Fuel Oil \_\_\_\_

Other (please describe) \_\_\_\_\_

Is the equipment UL1741 Listed? Yes \_\_\_\_ No \_\_\_\_ *If Yes, attach manufacturer's cut-sheet showing UL 1741 listing*

Estimated Installation Date: \_\_\_\_\_ Estimated In-Service Date: \_\_\_\_\_

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

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

**Interconnection 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 for Interconnecting an Inverter-Based Small Generating Facility no larger than 100 kW and return the Certificate of Completion when the Small Generating Facility has been installed.

Signed: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

**(For Utility use only)**

**Contingent Approval to Interconnect the Generating Facility**

Interconnection of the Generating Facility is approved contingent upon the Terms and Conditions for Interconnecting an Inverter-Based Generating Facility No Larger than 100kW and return of the Certificate of Completion.

Company Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

Application ID Number: \_\_\_\_\_

Company waives inspection/witness test? Yes \_\_\_\_ No \_\_\_\_

## APPENDIX B

### Net Energy Metering Interconnection Agreement

Customer Owned Fuel Cell, Solar, Wind, Biogas, Combined Heat and Power or Hydropower  
Electric Generating Facilities of 100 Kilowatts or Less

This Net Energy Metering Interconnection Agreement is executed in duplicate this \_\_\_\_ (day) of \_\_\_\_\_ (date) between \_\_\_\_\_ (hereinafter referred to as "Customer"), and Public Utility District No. 1 of Wahkiakum County, Washington ("Utility"). Both parties, who may be herein further referred to collectively as "Parties" and individually as "Party", agree as follows:

#### 1) CUSTOMER ELECTRIC GENERATING FACILITY

- a) Customer has elected, in accordance with RCW 80.60 et seq., to operate either a net energy metering fuel cell, facility that produces electricity and used and useful thermal energy from a common fuel source, or a facility that uses water, wind, solar energy, or biogas from animal waste as a fuel as set forth in chapter 80.60 RCW, with a generating capacity of not more than one hundred kilowatts, in parallel with the utility's transmission and distribution facilities. The customer's electric generating facility (generating facility) is intended to offset either part or all of the Customer's electrical requirements.
- b) The utility will not provide wheeling for Customer as generation from the net metering electrical generating facility will only be applied to consumption at the location of said electrical generating facility.
- c) Customer's Application for Net Metered Electrical Generation, including the location of the electrical generating installation facility and details on the electrical generating unit(s) is hereby incorporated into this agreement as Appendix A.
- d) The installation is identified by the utility with the following designators: Transformer No. (feeder and phase) \_\_\_\_\_, Customer Utility Account Number \_\_\_\_\_.
- e) A separate agreement shall be entered into for each Customer's electrical service location(s).
- f) The electrical generating system facility used by the Customer shall be located on the Customer's premise(s). It shall include all equipment necessary to meet applicable safety, power quality, and Interconnection requirements established by the National Electrical Code (Articles 690 and 705), National Electrical Safety Code, the Institute of Electrical and Electronics Engineers, Underwriters Laboratories, and the utility's Net Metering Interconnection Standards, as set forth in Appendix B, which is attached hereto.
- g) The utility shall have the sole authority to determine which Interconnection requirements set forth herein are applicable to Customer's proposed generating facility.

#### 2) PAYMENT FOR NET ENERGY

- a) The utility shall measure the net electricity produced or consumed by the Customer during each billing period, in accordance with normal metering practices.

- b) If the electricity supplied by the utility exceeds the electricity generated by the Customer and fed back to the utility during the billing period, or any portion thereof, then the Customer shall be billed for the net electricity supplied by the utility together with the appropriate customer charge paid by other customers of the utility in the same rate class and schedule.
- c) If the electricity generated by the Customer and distributed back to the utility during the billing period, or any portion thereof, exceeds the electricity supplied by the utility, then the Customer shall be:
  - (i) billed for the appropriate customer service charge as other customers of the utility in the same rate class and schedule; and
  - (ii) credited for the net excess kilowatt-hours generated during the billing period, with this kilowatt-hour credit appearing on Customer's bill for the following billing period.
- d) On or by March 31<sup>st</sup> of each calendar year, any remaining unused kilowatt-hour credit accumulated by the Customer during the previous year, if any, shall be granted to the utility, without any compensation to the Customer.
- e) The utility is not obligated under any circumstances to provide a market for, or market to any other entity(ies), any electricity generated by the Customer that exceeds the electricity supplied by the utility.
- f) Customer shall pay any amount owing for electric service provided by the utility in accordance with applicable rates and policies. Nothing in this Section 2 shall limit utility's rights under applicable Rate Schedules, City Ordinances, Customer Service Policies, and General Provisions.

### **3) INTERRUPTION OR REDUCTION OF DELIVERIES**

- a) The utility may require Customer to interrupt or reduce deliveries as follows:
  - (i) when necessary, in order to construct, install, maintain, repair, replace, remove, investigate, or inspect any of its equipment or part of its system; or
  - (ii) if it determines that curtailment, interruption, or reduction is necessary because of emergencies, force, or compliance with prudent electrical practices.
- b) Whenever possible, the utility shall give Customer reasonable notice of the possibility that interruption or reduction of deliveries may be required.
- c) Notwithstanding any other provision of this Agreement, if at any time the utility determines that either:
  - (i) the generating facility may endanger utility personnel, or
  - (ii) the continued operation of Customer's generating facility may endanger the integrity of the utility's electric system, then the utility shall have the right to disconnect Customer's generating facility from the utility's electric system. Customer's generating facility shall remain disconnected until such time as the utility is satisfied that the condition(s) referenced in (i) or (ii) of this section 3(c) have been corrected.

#### 4) INTERCONNECTION

- a) Customer shall deliver the excess energy to the utility at the utility's meter.
- b) Customer shall pay for designing, installing, inspecting, operating, and maintaining the electric generating facility in accordance with all applicable laws and regulations and shall comply with the utility's Interconnection Standards set forth in this policy.
- c) Customer shall pay for the utility's standard watt-hour meter electrical hook-up, if not already present.
- d) Customer shall not commence parallel operation of the generating facility until written approval of the Interconnection facilities has been given by the utility. Such approval shall not be unreasonably withheld. The utility shall have the right to have representatives present at the initial testing of Customer's protective apparatus. Customer shall notify the utility when testing is to take place.

#### 5) RENEWABLE ENERGY CERTIFICATES

Customer shall transfer any Renewable Energy Certificates (RECs) to the utility.

#### 6) MAINTENANCE AND PERMITS

Customer 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, the utility's Interconnection Standards, and
- b) obtain any governmental authorizations and permits required for the construction and operation of the electric generating facility and Interconnection facilities, including electrical permit(s).
- c) reimburse the utility for any and all losses, damages, claims, penalties, or liability it incurs as a result of Customer's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer's generating facility or failure to maintain Customer's generating facility as required in section 6(a).

#### 7) ACCESS TO PREMISES

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

- b) The utility inspection or other action shall not constitute approval by the utility. The customer remains solely responsible for the safe and adequate operation of its facilities.

## **8) INDEMNITY AND LIABILITY**

- a) The Customer assumes the risk of all damages, loss, cost and expense and agrees to indemnify the utility, its successors and assigns, and its respective directors, officers, employees and agents, from and against any and all claims, losses, costs, liabilities, damages and expenses including, but not limited to, reasonable attorney fees, resulting from or in Interconnection with performance of the agreement or which may occur or be sustained by the utility on account of any claim or action brought against the utility for any reason including by not limited to loss to the electrical system of the Customer caused by or arising out of an electrical disturbance.
- b) Such indemnity, protection, and hold harmless includes any demand, claim, suit or judgment for damages, death or bodily injury to all persons, including officers, employees or agents, and subcontractors of either Party hereto including payment made under or in Interconnection with any Worker's Compensation Law or under any plan for employees' disability and death benefits or property loss which may be caused or contributed to by the Interconnection, maintenance, operation, use, presence, or removal of Customer's equipment. The only exception will be liability occasioned by the sole negligence or willful misconduct of the utility or its employees acting within the scope of their employment and liability occasioned by a partial negligence of the utility or its employees acting within the scope of their employment to the extent that such partial liability is fixed by a court of competent jurisdiction.
- c) 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.
- d) The utility shall have no liability, ownership interest, control or responsibility for the Customer's Electric Generating Facility or its Interconnection with the utility's electric system, regardless of what the utility knows or should know about the Customer's Electric Generating Facility or its Interconnection.
- e) Customer recognizes that it is waiving immunity under Washington Industrial Insurance law, Title 51 RCW, and further agrees that this indemnification clause has been mutually negotiated. This indemnification shall extend to and include attorney's fees and the costs of establishing the right of indemnification hereunder in favor of the utility.

## **9) INDEPENDENT CONTRACTORS**

The Parties hereto are independent contractors and shall not be deemed to be partners, joint ventures, employees, franchisees or franchisers, servants, or agents of each other for any purpose whatsoever under or in Interconnection with this Agreement.

## **10) GOVERNING LAW, VENUE, AND ATTORNEY'S FEES**

This Agreement shall be interpreted, governed, and constructed under the laws of the State of Washington as if executed and to be performed wholly within the State of Washington. Venue of any action arising hereunder or related to this agreement shall lie in the Superior Court of Wahkiakum County, Washington.

If litigation arises out of this agreement, the substantially prevailing party shall be entitled to recover all reasonable legal expenses.

## **11) FUTURE MODIFICATION OR EXPANSION**

Any future modification or expansion of the Customer owned generating facility will require an engineering review and approval by the utility. The utility reserves the right to require the Customer, at Customer's expense, to provide modifications or additions to existing electrical devices including, but not limited to protection device and meters, in the event of changes to government or industry regulation and/or standards.

**12) AMENDMENTS, MODIFICATIONS OR WAIVER**

Any amendments or modifications to this Agreement shall be in writing and agreed to by both Parties. The failure of any Party at any time or times to require performance of any provision hereof shall in no manner affect the right at a later time to enforce the same. No waiver by any Party of the breach of any term or covenant contained in this Agreement, whether by conduct or otherwise, shall be deemed to be construed as a further or continuing waiver of any such breach or waiver of the breach of any other term or covenant unless such waiver is in writing.

**13) ASSIGNMENT OR TRANSFER OF PROPERTY**

The Customer shall not assign its rights under this Agreement without the express written consent of the utility. The utility may impose reasonable conditions on any such assignment to ensure that all of Customer's obligations under this Agreement are met and that none of Customer's obligations under this Agreement are transferred to the utility as a result of default, bankruptcy, or any other cause.

Any transfer of title to the real property on which a generating facility is sited or any portion thereof shall not constitute a transfer or assignment of rights under this Agreement. Any transferee must submit a new application for net metered electrical generation and, if approved by the Utility, enter into a new Agreement. No transfer of the property or any portion thereof shall release the transferring person from liability on this Agreement unless such release is expressly acknowledged by the Utility. For the purposes of this Agreement, a 'transfer' shall include, but not be limited to, transfer by real estate contract, vendee's assignment, deed, forfeiture, foreclosure, sheriffs' sale, trustee's sale, deed in lieu of any such involuntary sale, and lease with purchase option.

**14) APPENDICES**

The Agreement includes the following appendices attached and incorporated by reference:

- Appendix A: Application for Interconnecting a Generating Facility No Larger than 100kW
- Appendix B: Net Energy Metering Interconnection Agreement

**15) NOTICES**

All written notices shall be directed as follows:

Wahkiakum County PUD, P.O. Box 248 | 45 River Street, Cathlamet, Washington 98612

Customer Information

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State & Zip: \_\_\_\_\_

Customer notices to Utility, pursuant to this Section 15, shall refer to the Service Address set forth in Appendix A, Application for Interconnecting a Generation Facility No Larger than 100kW.

**16) TERM OF AGREEMENT**

This Agreement shall be in effect when signed by the Customer and Wahkiakum PUD 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 13.

**17) 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.

PUBLIC UTILITY DISTRICT NO. ONE OF WAHAKIAKUM  
COUNTY, WASHINGTON

\_\_\_\_\_  
Customer Signature

\_\_\_\_\_  
District Signature

Title: \_\_\_\_\_

## **APPENDIX C**

### **Production Metering Agreement**

Power Purchase Agreement for Power Generation Facilities of 100 Kilowatts or Less

(Appendix C does not apply and has been removed)

**APPENDIX D**

**Generating Facility Certificate of Completion**

Is the Generating Facility owner-installed? Yes \_\_\_\_\_ No \_\_\_\_\_

Interconnection Customer: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ WA: \_\_\_\_\_ Zip: \_\_\_\_\_

Address of the Generating Facility (if different from above): \_\_\_\_\_

City: \_\_\_\_\_ WA: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Telephone (alternate): \_\_\_\_\_

Email Address: \_\_\_\_\_ Fax: \_\_\_\_\_

License Number: \_\_\_\_\_

Date Approval to Install Facility granted by the Utility: \_\_\_\_\_

Application ID Number: \_\_\_\_\_

Inspection: The Generating Facility has been installed and inspected in compliance with the local building/electric code of \_\_\_\_\_

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

## APPENDIX E

### Customer Checklist for Utility Interconnection

1. Submit the following to the Utility:
  - a) (Appendix A) Application for Interconnecting a Generating Facility No Larger than 100kW
  - b) (Appendix B) Net Energy Metering Interconnection Agreement
    - Interconnection inverter must be UL 1741 Listed
    - Electrical schematic drawing must be included
    - Include provisions for a lockable visible disconnect if required by the Utility or local jurisdiction
  - c) Payment of a non-refundable processing fee of \$100.00 to Wahkiakum PUD
  - d) Send forms and payment to: Wahkiakum PUD, Attn: General Manager, P.O. Box 248, 45 River Street, Cathlamet, WA 98612 (completed form can be emailed to [gm@wahkiakumpud.org](mailto:gm@wahkiakumpud.org))
2. Receive written design approval from the Utility
3. Payment of Net Meter Invoice to Wahkiakum PUD (based on current rates; invoice will be created after design is approved by utility)
4. Complete the installation
  - a) Obtain electrical permit from Washington State Labor & Industries (follow the National Electric Code (NEC) as required)
  - b) Request (and clear) inspection from Washington State Labor & Industries electrical inspector
  - c) After clearing electrical inspection contact Wahkiakum PUD at (360) 795-3266 or (360) 465-2171 to request final Utility inspection
  - d) If net metered, Utility approves, or installs new, bi-directional meter
  - e) If production metered, applicant purchases and installs, and Utility approves, production meter
5. Submit Certificate of Completion to Utility (Appendix D) and start generating power

Questions? Call (360) 795-3266 or (360) 465-2171