

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

RESOLUTION NO. 2012-004

A RESOLUTION of the Board of Commissioners of Public Utility District No. 1 of Jefferson County, Washington, adopting an Interconnection of Distributed Resources Policy.

WHEREAS, the Public Utility District No. 1 of Jefferson County, Washington (the "District") signed an Asset Purchase Agreement with Puget Sound Energy Inc. (PSE) for the acquisition of their electrical facilities in Jefferson County; and

WHEREAS, the District is applying for a Rural Utilities Service (RUS) Loan which requires certain regulations and plans to be in effect, including an Interconnection of Distributed Resources Policy; and


WHEREAS, the District staff and consultants have reviewed requirements of Rural Utilities Service 7 CFR Part 1730 subpart C (Interconnection of Distributed Resources), Chapter 80.60 Revised Code of Washington (RCW) (Net Metering of Electricity), Chapter 480-108 Washington Administrative Code (WAC) (Electric Companies- Interconnection with Electric Generators) and the PUD - BPA power sales and transmission contracts; and


WHEREAS, the District staff has prepared, and the District Board of Commissions has reviewed a Interconnection of Distributed Resources Policy and the related PUD Policy for Interconnection & Net Metering Agreement for customer-owned rating Systems of 100kW or Less.


NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners (the "Board") of Public Utility District No. 1 of Jefferson County, Washington as follows:

The District adopts the PUD#1 Policy document titled "Interconnection of Distributed Resources" and the related PUD#1 INTERCONNECTION & NET METERING AGREEMENT For Customer-Owned, Grid Connected Electric Generating Systems of 100kW or Less.

ADOPTED by the Board of Commissioners of the Public Utility District No. 1 of Jefferson County, Washington, at a regular meeting this 27th day of January, 2012.


Barney Burke
President


Wayne King
Vice President


Ken McMillen
Secretary

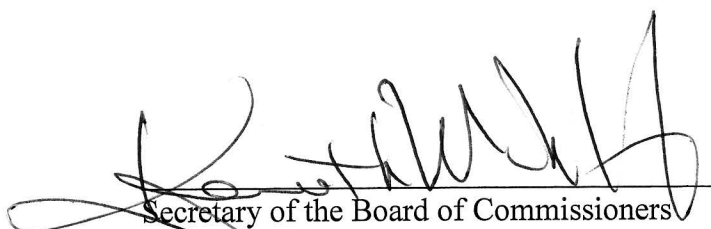
CERTIFICATE

I, the undersigned, Secretary of the Board of Commissioners of Public Utility District No. 1 of Jefferson County, Washington, and keeper of the records of said Board of Commissioners (herein called the "Board"), DO HEREBY CERTIFY:

1. That the attached is a true and correct copy of Resolution No. 2012-004 (herein called the "Resolution") of the Board, duly adopted at a special meeting thereof held on the 27th day of January, 2012.

2. That said meeting was duly convened and held in all respects in accordance with law, and to the extent required by law, due and proper notice of such meeting was given; that a legal quorum was present throughout the meeting and a legally sufficient number of members of the Board voted in the proper manner for the passage of said Resolution; that all other requirements and proceedings incident to the proper passage of said Resolution have been fully fulfilled, carried out and otherwise observed; and that I am authorized to execute this certificate.

Dated this 27th day of January, 2012.


Secretary of the Board of Commissioners
Kenneth McMillen

Public Utility District No. 1 of Jefferson County

Interconnection of Distributed Resources Policy

Non-Utility Power Producers and Co-Generators

I. Objective

To describe the requirements for interconnection of energy resource generating equipment to be operated in parallel with the utility electrical system.

II. Policy

A. Subject to the conditions specified in Chapter 80.60 of the Revised Code of Washington State (RCW), and Chapter 480-108 of the Washington State Administrative Code (WAC), the PUD shall accommodate interconnection by co-generators utilizing a variety of technically recognized energy sources, including hydro, solar, wind, photovoltaic, or other types of sources, in addition to conventional fossil fuels.

B. The PUD has established two different classes for customer-owned parallel generation, each with distinctive protection, metering and operating requirements. The classes are:

1. Less than 100 KW (see attached Interconnection & net metering agreement)
2. Over 100 KW

C. The co-generator shall pay all costs incurred by the PUD for activities associated with processing the interconnection application, including legal costs to the extent permitted by law. It shall be the co-generator's responsibility to provide adequate safeguards for protection of the interconnected facilities, life, and property.

D. The co-generator shall agree to defend, indemnify, and hold the PUD harmless for all damages and injuries to co-generator or others (including damage to the PUD or to other customers) arising from the use, ownership or operation of the co-generator's facilities.

E. The co-generator shall agree to defend, indemnify, and hold the PUD harmless from effects of transient conditions that may damage or in any manner affect the co-generator's interconnected facilities, including but not limited to, lightning surges, line faults, or outages.

F. The co-generator shall agree to defend, indemnify, and hold harmless the PUD from consequences of any outages, damage to the PUD's facilities, and damage to life and property that the co-generator's interconnected facilities may cause.

G. It shall be the co-generator's responsibility to provide adequate safeguards for the protection of the PUD's equipment and facilities against damage caused by the co-generator's interconnected

facilities. The facilities must be designed to address standards set forth in Institute of Electrical and Electronic Engineers (IEEE): IEEE 1547TM— Standard for Interconnecting Distributed Resources with Electric Power Systems, approved June 12, 2003, and IEEE 1547.1TM—Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems, approved June 9, 2005.

H. The PUD shall not participate in the design, construction, or installation of the interconnected facilities, except as set out in the steps below. It is recommended that the co-generator consult with a registered, professional electrical engineer in the design of the interconnected facilities.

Step One: The co-generator shall submit preliminary plans and specification to the PUD for preliminary approval. (For generating systems 100 kW or less see PUD Interconnection & Net Metering Agreement). The PUD will provide a preliminary response to the applicant within ten (10) working days.

Step Two: The co-generator shall submit to the PUD detailed final plans and specification for the interconnection, including devices added to address issues noted in the PUD's preliminary written response.

Step Three: The co-generator shall assume all costs associated with the interconnection facilities, including but not limited to, construction, inter-connection, proper metering and permitting.

I. The co-generator must agree to maintain appropriate liability insurance in the following amounts specified in the PUD's Interconnection & Net Metering Agreement

J. The co-generator will be responsible for compliance with all national, State, local government requirements and electric utility standards for the safety of the public and personnel responsible for utility electric power system operations, maintenance and repair.

K. The co-generator must be responsible for the safe and effective operation and maintenance of the facility.

L. Only responsible parties may apply for interconnection and the co-generator must demonstrate that the facility will be capably developed, constructed and operated, maintained, and repaired.

M. Accounting for power transactions between the co-generator and the PUD shall be performed by the PUD at its cost. Credits or payments to the co-generator, for power supplied to the PUD from the co-generators facilities, shall be accounted for and paid according to procedures adopted by the PUD.

N. The PUD shall pay to the co-generator, for power generated and delivered to the PUD, a price equal to the PUD's as required by Washington State RCW or WAC.

O. In the case of co-generator's maintaining active service, the PUD shall supply all power consumed on the premises through an "in" meter. The alternate generation facility shall supply all

power it generates and delivers to the PUD system through an "out" meter. The PUD shall credit the account of the co-generator for kilowatt-hours furnished to the PUD through the "out" meter.

P. In the case of co-generators receiving standby service, the energy source shall also be connected to the co-generator's premises. The PUD's system shall also be connected to the premises. "In" and "out" meters shall be connected to the premises. The PUD shall supply power to the premises when the energy source is unable to meet the co-generator's demands. The PUD shall bill the co-generator for power consumed through the "in" meter at rates established by Washington State WAC and RCW. The co-generator shall furnish power to the PUD when the energy source supplies power in excess of the co-generator's demands through the "out" meter.

Q. In the case of co-generators who contract with the PUD to provide capacity and/or energy, terms and conditions shall be specified in the contract.

III. Responsibility

It shall be the responsibility of the General Manager to ensure compliance with this policy.

Adopted, by Resolution 2012-004
January 27, 2012

References:

1. PUD#1 Interconnection & Net Metering Agreement for customer-owned, Grid Connected Electric Generating Systems of 100kW or Less, adopted as part of PUD Policy.
2. IDR policy outlined in 7 CFR 1730 Subpart C
3. Chapter 480-108 WAC
4. Chapter 80.60 RCW

**Public Utility District No. 1
Of
Jefferson County**

INTERCONNECTION & NET METERING AGREEMENT

**For Customer-Owned, Grid Connected Electric
Generating Systems of 100kW or Less**

This INTERCONNECTION & NET METERING AGREEMENT ("Agreement") is between _____
_____ ("Customer") and Public Utility District No.1 of Jefferson County
(JPUD). Customer and JPUD may be referred to collectively herein as "Parties" and individually as "Party".

1. CUSTOMER ELECTRIC GENERATING SYSTEM

- 1.1 Customer's Application for Net Metered Electrical Generation, including the location of the electrical generating installation and details on the electrical generating unit(s), for Net Metered Electrical Generation is hereby incorporated into this agreement as Appendix A.

System Location/Address:			
System Manufacturer:			
Model (Name and Number):			
Name Plate Electrical Capacity:			
Name Plate Data:	kW	Volts	(Single or Three Phase)
Energy Source: (Solar or Wind or Fuel Cell or Hydro)			

- 1.2 Customer has elected, in accordance with RCW 80.60, WAC 480-108, and JPUD Resolution 2012-004 to operate, at their own expense, a net metering system using either fuel cell, solar, wind or hydropower electric generating system, with a generating capacity of not more than one hundred kilowatts aggregated at the service interconnection point, in parallel with JPUD's electrical system. This generating system is intended to offset either part or all of the Customer's electrical requirements.
- 1.3 A separate agreement shall be entered into for each electrical service location of Customer.
- 1.4 The electrical Generating System used by the Customer shall be located on the Customer's premises. It shall include all equipment necessary to meet applicable safety, power quality, and interconnection requirements.
- 1.5 JPUD shall have the sole authority to determine which interconnection requirements set forth herein (including appendices) are applicable to Customer's proposed installation.
- 1.6 Any expenses incurred due to modifications to the existing electric power system necessitated by the introduction of Customer's generating system into the system shall be paid by the Customer.

2. TERMS OF NET METERING BILLING AND ENERGY CREDITING

- 2.1 JPUD shall determine the net electricity produced or consumed by the Customer during each billing period, in accordance with JPUD's normal metering practices.
- 2.2 If the electricity supplied by JPUD exceeds the electricity generated by the Customer, then the Customer shall be billed for the net electricity supplied by JPUD, at the rate and with the same customer charge(s) paid by other customers of JPUD in the same rate class as Customer.
- 2.3 If the electricity generated by the Customer exceeds consumption and is distributed back to JPUD during the billing period, then the Customer shall be billed for the same customer service charge(s) as are applied

to other customers of JPUD in the same rate class; and shall be 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.

- 2.4 Any remaining unused kilowatt-hour credit accumulated during the previous year shall be granted to the electric utility, without any compensation to the customer-generator (RCW 80.60.030).

3. INTERRUPTION OR REDUCTION OF DELIVERIES

- 3.1 JPUD may require Customer to interrupt or reduce deliveries as follows: (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 JPUD determines that curtailment, interruption, or reduction is necessary because of emergencies, or compliance with good electrical practices as determined by JPUD.
- 3.2 To the extent reasonably practicable, JPUD shall give Customer notice of possible interruption or reduction of deliveries.
- 3.3 Notwithstanding any other provision of this Agreement, if at any time JPUD determines that either (a) the facility may endanger JPUD personnel, or (b) the continued operation of Customer's facility may endanger the integrity of JPUD's electric system, JPUD shall have the right to disconnect Customer's facility from JPUD's electric system. Customer's facility shall remain disconnected until such time as JPUD is satisfied that the condition(s) that caused the problems referenced in (a) or (b) of this section 3.3 have been corrected.

4. INTERCONNECTION

- 4.1 Customer shall comply with JPUD's Interconnection Standards set forth in Appendix B and the Net Metering Application & Compliance Form set forth in Appendix A, which are attached and shall pay for designing, installing, inspecting, operating, and maintaining the electric generating system in accordance with all applicable laws and regulations.
- 4.2 Customer shall deliver the excess energy to JPUD at the customer's premises. JPUD will install and maintain a revenue meter capable of registering the bi-directional flow of electricity at the customer's premises at a level of accuracy that meets all applicable standards, regulations and statutes. At the option of JPUD, a separate meter may be installed to measure production of the renewable generation source.
- 4.3 Customer shall pay for any non-standard meter electrical hook-up requested by the Customer.
- 4.4 Customer shall not commence parallel operation of the generating system until inspection and written approval of the interconnection has been given by JPUD. Such approval shall not be unreasonably withheld. JPUD shall have the right to have representatives present at the initial testing of Customers' protective apparatus, and the Customer shall notify JPUD of its intent to test the generating system not less than two (2) working days prior to the scheduled test.
- 4.5 Once in operation, Customer shall make no changes or modifications in the equipment, wiring, or the mode of operation without the prior approval of JPUD.

5. MAINTENANCE AND PERMITS

Customer shall:

- (i) obtain an electrical permit and pass electrical inspection before they can be connected or operated in parallel with the electrical company's electric system (WAC 480-108-050).
- (ii) provide to JPUD written certification (Certificate of Completion) that the generating system has been installed and inspected in compliance with the local building and/or electrical codes (WAC 480-108-050).

- (iii) maintain the electric generating system and interconnection facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, JPUD's Interconnection Standards, Appendix B.
- (iv) obtain any governmental authorizations and permits required for the construction and operation of the electric generating system and interconnection facilities, including electrical permit.
- (v) reimburse JPUD 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 system or failure to maintain Customer's facility as required in this Section.

6. ACCESS TO PREMISES

JPUD may enter Customer's premises or property:

- (i) to inspect, with prior notice at all reasonable hours, Customer's protective devices and to read meter(s).
- (ii) to disconnect the interconnection facilities at JPUD's meter or transformer, without notice, if, in JPUD's opinion, a hazardous condition exists and such immediate action is necessary to protect persons, or JPUD'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.

7. INDEMNITY AND LIABILITY

The Customer hereby indemnifies and agrees to hold harmless and release PUD#1 of Jefferson County and its elected officials, officers, employees and agents and each of the heirs, personal representatives, successors and assigns of any of the foregoing (collectively, the "Indemnitees") from and against any and all losses, claims, damages, costs, demands, fines, judgments, penalties, obligations, payments and liabilities, together with any costs and expenses (including without limitation attorneys' fees and out-of-pocket expenses and investigation expenses) incurred in connection with any of the foregoing, resulting from, relating to or arising out of or in connection with:

- (i) any failure or abnormality in the operation of the Customer's Generating System or any related equipment.
- (ii) any failure of the Customer to comply with the standards, specifications, or requirements referenced in this Agreement (including appendices hereto) which results in abnormal voltages or voltage fluctuations, abnormal changes in the harmonic content of the generating facility output, single phasing, or any other abnormality related to the quantity or quality of the power produced by the generating facility.
- (iii) any failure of the Customer duly to perform or observe any term, provision, covenant, agreement or condition hereunder to be performed or by or on behalf of the Customer.
- (iv) any negligence or intentional misconduct of Customer related to operation of the Generating System or any associated equipment or wiring.

8. FORCE MAJEURE

8.1 Suspension of Obligations. Neither Party shall be liable to the other for, or be considered to be in breach of or default under this Agreement because of any failure or delay in performance by such Party under this Agreement to the extent such failure or delay is caused by or results from any such cause or condition which is beyond such Party's reasonable control, or which such Party is unable to prevent or overcome by exercise of reasonable diligence (any such cause or condition, a "Force Majeure"), including breach of contract or failure of performance by any person providing services to JPUD.

8.2 Notice; Required Efforts to Resume Performance. Any Party claiming Force Majeure shall give the other Party maximum practicable advance notice of any failure or delay resulting from a Force Majeure, and shall use its reasonable best efforts to overcome the Force Majeure and to resume performance as soon as possible; provided however, that nothing in this Agreement shall be construed to require either Party to settle any labor dispute in which it may be involved.

- 8.3 **No Excuse of Payment Obligations.** Notwithstanding any other provision of this Agreement, in no event shall a Force Majeure excuse a Party's failure or delay to pay any amounts due and owing to the other Party under or pursuant to this Agreement.
9. **INDEPENDENT CONTRACTORS**
The Parties hereto are independent contractors and shall not be deemed to be partners, employees, franchisees or franchisers, servants or agents of each other for any purpose whatsoever under or in connection with this Agreement.
10. **ASSIGNMENT; BINDING AGREEMENT**
The Customer shall not assign its rights under this Agreement to any other Party without the express written consent of JPUD. JPUD 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 are transferred to JPUD as a result of default, bankruptcy, or any other cause.
11. **NO THIRD PARTY BENEFICIARIES**
Except as expressly set forth in this Agreement, none of the provisions of this Agreement shall inure to the benefit of or be enforceable by any third Party.
12. **ENTIRE AGREEMENT**
This Agreement and the Exhibits attached hereto set forth the entire agreement of the Parties and supersede any and all prior agreements with respect to the subject matter of this Agreement. The rights and obligations of the Parties hereunder shall be subject to and governed by this Agreement.
13. **GOVERNING LAW; VENUE**
This Agreement shall be governed by and construed in accordance with the laws of the State of Washington (regardless of the laws that might otherwise govern under applicable principals of conflicts of law of such state). Venue for any action arising under or in connection with this Agreement shall be in the Superior Court for Jefferson County, Washington.
14. **RULES OF CONSTRUCTION; STATUTORY REFERENCES**
No provision of this Agreement shall be construed in favor of or against either of the Parties hereto by reason of the extent to which any such Party or its counsel participated in the drafting thereof or by reason of the extent to which such provision or any other provision or provisions of this Agreement is or are inconsistent with any prior draft thereof. Any reference to statutes or laws will include all amendments, modifications, or replacements of the specific sections and provisions concerned.
15. **AMENDMENT, 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.
16. **NOTICES AND OTHER COMMUNICATIONS**
Notice Methods and Addresses. All notices, requests, demands and other communications required or permitted to be given under this Agreement shall be given in writing
- (i) by personal delivery
 - (ii) by recognized overnight air courier service
 - (iii) by United States postal service, postage prepaid, registered or certified mail, return receipt requested, or
 - (iv) by facsimile transmission, using facsimile equipment providing written confirmation of successfully completed transmission to the receiving facsimile number.

All notices to either Party shall be made to the addresses set forth below. Any notice shall be deemed to have been given on the date delivered, if delivered personally, by overnight air courier service or by facsimile transmission; or, if mailed, shall be deemed to have been given on the date shown on the return receipt as the date of delivery or the date on which the United States postal service certified that it was unable to deliver, whichever is applicable.

PUD#1 of Jefferson County:

ATTN: James G. Parker
PO Box 929
Port Hadlock WA 98339

Telephone: (360) 385-5800
FAX: (360) 385-5945

CUSTOMER:

Name: _____
Address: _____

Telephone: _____
FAX: _____

17. APPENDICES

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

Appendix A: Net Metering Application & Compliance Form

Appendix B: PUD#1 of Jefferson County Interconnection Standards for Customer-Owned, Grid Connected Electric Generating Systems of 100 Kilowatts or Less

18. TERM OF AGREEMENT

This Agreement shall be and remain in effect until terminated by either Party on thirty (30) days' prior written notice. The Generating System or the Customer may be disconnected from JPUD's electrical system at any time if it is considered unsafe or having adverse impact on the existing customers.

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

CUSTOMER

PUD#1 of Jefferson County

Signature

Signature

Print Name

Print Name

Date

Date

PUD#1 of Jefferson County

NET METERING APPLICATION AND COMPLIANCE FORM

**For Installation of Customer-Owned, Grid Connected
Electric Generating Systems of 100kW or Less**

(Appendix A to Interconnection & Net Metering Agreement)

A. Applicant Information	
Name:	
Electric Account No:	
Mailing Address:	Zip Code:
Installation Address (if different from above):	Zip Code:
Daytime Phone: ()	Fax: ()
Email:	
B. ELECTRIC SYSTEM INFORMATION	
1. Identify Type of System: <input type="checkbox"/> Solar PV Array <input type="checkbox"/> Fuel Cell <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric	
2. Site Location of System on property:	
3. System Description:	
Manufacturer:	Type/Style:
Nameplate Data:	
Voltage & Frequency:	Maximum kW output:
4. Synchronous Inverter / Synchronous Generator / Induction Generator (Circle one)	
Manufacturer & Model #:	
Serial Number:	Power Rating:
Location: <input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	Location at property:
Nameplate Data:	
Voltage & Frequency:	
Operating Power Factor:	
C. System Designer & Installation Contractor Information (if applicable)	
1. Design Consultant:	
Address:	Zip Code:
Phone: ()	FAX: ()
2. Installation Contractor:	
Contractor's License No.:	
Address:	Zip Code:
Phone: ()	FAX: ()
D. Installation	
1. Proposed Installation Date:	
2. <i>Submit/Attach a one-line electrical diagram for proposed electrical system</i> , including metering points in relation to the PUD electrical system and the customer's generating system location.	

E. Interconnection Compliance & Owner Acknowledgement

- ❖ The electrical system referenced above shall meet the PUD's "Interconnection Standards for Customer-Owned, Grid Connected Electric Generating Systems of 100kW or Less."
- ❖ Customer shall be solely responsible for obtaining and complying with any and all necessary easements, licenses and permits, or exemptions, as may be required by any federal, state, local statutes, regulations, ordinances or other legal mandates.
- ❖ The customer shall submit documentation to the PUD that the system has been inspected and approved by the local permitting agency regarding electrical code requirements.
- ❖ Customer shall not commence parallel operation of the generating system until inspection and written approval of the interconnection has been given by the PUD.
- ❖ This Application Form shall be Appendix A to the PUD' "Interconnection & Net Metering Agreement."

Signed (Customer): _____ Date: _____

**Public Utility District No. 1
Of
Jefferson County**

**INTERCONNECTION STANDARDS
For Customer-Owned, Grid Connected
Electric Generating Systems of 100kW or Less**

(Appendix B to Interconnection & Net Metering Agreement)

A. General

This "Interconnection Standard for Customer-Owned, Grid Connected Electric Generating Systems of 100 Kilowatts or Less" sets forth the requirements and conditions for interconnected non-utility-owned electric generation where such generation may be connected for parallel operation with the electrical system of the Public Utility District of Jefferson County (JPUD). Generating systems will be permitted to interconnect to the JPUD's electric distribution system (15kV and below) only after a determination by the JPUD that such interconnection will not interfere with the operation of the distribution circuit.

B. Interconnection Requirements

1. Customer shall comply with all the latest applicable National Electric Code (NEC) requirements [NEC Articles 690 and 705], NESC requirements, State of Washington requirements, building codes, and shall obtain electrical permit(s) for the equipment installation.
2. Customer shall provide space for metering equipment and meter base as per JPUD requirements.
3. Customer's over-current device at the service panel shall be marked to indicate power source and connection to the JPUD's distribution system.
4. The Customer shall assume the full responsibility for all maintenance of the generator and protective equipment and keeping of records for such maintenance. These records shall be available to the JPUD for inspection at all times.
5. Customer's power production control system shall comply with NEC Articles 690 and 705; and applicable and current Institute of Electrical and Electronics Engineers (IEEE) Standards including Standard number 1547 "Interconnecting Distributed Resources with Electric Power Systems" and IEEE 1547.1TM—Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems for parallel operation with JPUD; in particular the:
 - a. Power output control system shall automatically disconnect from the JPUD power source upon loss of JPUD voltage and not reconnect until the JPUD's voltage has been restored for at least five (5) minutes continuously.
 - b. Power output control system shall automatically initiate a disconnect from the JPUD source within six (6) cycles if Customer's voltage falls below 60 Volts rms to ground (nominal 120 V rms base) on any phase.
 - c. Power output control system shall automatically initiate a disconnect from the JPUD's system within two (2) seconds if the voltage rises above 132 Volts rms phase to ground or falls below 104 Volts rms phase to ground (nominal 120 V rms base) on any phase.

- d. Power output control system shall automatically initiate a disconnect from the JPUD's system within three (3) cycles for any reverse power flow condition.
- 6. Customer shall provide a written description of how the protection devices will achieve compliance with the requirements of this policy.
- 7. Customer shall furnish and install on customer's side of the meter, a UL-approved safety disconnect switch which shall be capable of fully disconnecting the Customer's generating facility from the JPUD's electric system. The disconnect switch shall be located adjacent to the JPUD's meters and shall be of the visible break type in a metal enclosure which can be secured by a padlock. The disconnect switch shall be accessible to JPUD personnel at all times.
- 8. Customer must agree to maintain appropriate liability insurance in the following amounts: \$ 500,000.00
- 9. **Solar Photovoltaic Equipment** shall be in compliance with Underwriters Laboratories (UL) 1741, *Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems*; UL 1703, *Standard for Safety: Flat-Plate Photovoltaic Modules and Panels*; and IEEE 1262-1995, *Recommended Practice for Qualification of Photovoltaic (PV) Modules*; and the solar system shall be installed in compliance with IEEE Standard 929-2000, *Recommended Practice for Utility Interface of Photovoltaic Systems*.

C. 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 National Electrical Code (NEC), State of Washington rules, JPUD standards, and equipment manufacturer's safety and operating manuals.