

Service ID#: _____

Request #: _____

INTERCONNECTION APPENDIX FOR LEVEL 3 INTERCONNECTION

This Level 3 Interconnection Appendix (“**Interconnection Appendix**”) is part of the Volumetric Incentive Payment and Interconnection Agreement (“**Agreement**”) between Participant (_____) and PacifiCorp d/b/a Pacific Power (“**Pacific Power**”). Terms not defined in this Interconnection Appendix shall have the meaning set forth in the Agreement.

Article 1. **Scope of Interconnection Appendix**

This Interconnection Appendix shall be used for all Applications to interconnect under the Level 3 System Interconnection Review procedures set forth in the Rules. This Interconnection Appendix contains standard terms and conditions approved by the Commission under which Participant’s Eligible System, which is described in Exhibit A to the Agreement and which has a Nameplate Capacity of 500 kW or less, will interconnect to, and operate in parallel with, Pacific Power’s system.

Article 2. **Studies**

Pacific Power has completed the impact study required by OAR 860-084-0330(3). If necessary, Pacific Power completed the interconnection facilities study provided for by OAR 860-084-0330(6). If necessary, Pacific Power coordinated additional studies as provided for by OAR 860-084-0330(5) regarding impacts on systems other than Pacific Power’s system. The modifications required to address the impacts of the interconnection of Participant’s Eligible System are detailed in **Attachment A**. A non-binding, good faith estimate of the cost and schedule for the required modifications are provided in **Attachment B**.

Article 3. **Inspection and Start-up**

Upon completion of initial (and any subsequent) construction of the Eligible System, Participant shall provide Pacific Power an As-built Supplement, which shall update information in Exhibit A to the Agreement (Application for Solar Incentive Program Interconnection) to conform with the installed Eligible Facility.

Within fifteen (15) business days after notice from Participant that the Eligible System has been installed, Pacific Power will inspect the Eligible System and will arrange to witness any commissioning tests required under IEEE standards as set forth in the Rules. Pacific Power and Participant will select a date by mutual agreement for Pacific Power to witness the commissioning tests.

If the Eligible System satisfactorily passes the required commissioning tests, Pacific Power shall notify Participant in writing within three (3) business days after the tests that either:

- (a) the interconnection is approved and the Eligible System may begin operation; or
- (b) the interconnection facilities study identified necessary construction that has not been completed, the date upon which the construction will be completed, and the date when the Eligible System may (after inspection and written authorization) begin operation; or
- (c) state any other reason why the commissioning tests are not satisfactory.

If the commissioning tests are not satisfactory, Participant will repair or replace the unsatisfactory equipment or otherwise address any problems and reschedule a commissioning test.

PARTICIPANT SHALL NOT INTERCONNECT OR OPERATE THE ELIGIBLE SYSTEM IN PARALLEL WITH PACIFIC POWER'S ELECTRIC DISTRIBUTION SYSTEM UNLESS AND UNTIL PARTICIPANT RECEIVES WRITTEN AUTHORIZATION FROM PACIFIC POWER INDICATING THAT THE INTERCONNECTION IS APPROVED, PARTICIPANT HAS PAID ANY AMOUNT DUE UNDER ARTICLE 6.3 OF THIS INTERCONNECTION APPENDIX, AND THE ELIGIBLE SYSTEM MAY BEGIN OPERATION.

Article 4. Standards

Participant will design its Eligible System to comply with the IEEE standards as that term is defined in OAR 860-084-0010. The Eligible System and all modifications and other Interconnection Facilities required to interconnect the Eligible System to Pacific Power's distribution system shall be designed, maintained and operated in compliance with IEEE standards and in compliance with the National Electric Safety Code and the National Electric Code as adopted by Oregon statute or regulation.

Article 5. Eligible System Testing and Maintenance

Each Party shall be responsible for the safe installation, maintenance, repair and condition of their respective lines and equipment. Each Party shall provide Interconnection Facilities that adequately protect the other Party's facilities, personnel and other persons from damage and injury.

Participant shall conduct maintenance and testing as set forth in the Rules, including without limitation:

- 5.1** Annual Test. Participant shall conduct an annual test, at its expense, in which the Eligible System is disconnected from Pacific Power's system to ensure that the inverter stops delivering power to the grid.

- 5.2** Manufacturer-recommended Testing or Maintenance. Participant shall conduct any manufacturer-recommended testing or maintenance at its expense.
- 5.3** Testing for IEEE Compliance. Participant shall conduct any post-installation testing, at its expense, necessary to ensure compliance with IEEE standards as set forth in the Rules or to ensure safety. This includes replacing a major equipment component that is different from the originally installed model.
- 5.4** Records of Testing and Maintenance. When Participant performs maintenance or testing in accordance with the Rules, it must retain written records documenting the maintenance and results of the testing for seven (7) years.
- 5.5** Pacific Power Testing. After interconnection approval is granted, Pacific Power shall have the right to inspect Participant's facility at reasonable hours and with reasonable prior notice to Participant. If Pacific Power discovers that the Eligible Facility is not in compliance with the requirements of the Agreement, this Interconnection Appendix, the Rules, or Commission order, Pacific Power may require Participant to disconnect the Eligible System until compliance is achieved. Participant's electric service may be disconnected by Pacific Power if the Eligible System must be physically disconnected for any reason.

Article 6. Modifications

- 6.1** Required Modifications. A description of the modifications required to enable the interconnection to be made consistent with safety, reliability and standards applicable to Level 3 interconnection reviews may be found in Attachment A. The Participant shall pay for the cost to procure, install, and construct, operate, maintain, repair and replace all such modifications. The non-binding, good faith estimated cost of the modifications is described in Attachment B and totals \$_____.
- 6.2** Deposit. Before beginning modifications to accommodate the interconnection of the Eligible System to Pacific Power's distribution system, Pacific Power will require that Participant pay a deposit of not more than 50% of the estimated cost of procuring, installing and constructing equipment and facilities to be procured, installed or constructed by Pacific Power pursuant to the modifications described in Attachment A. Participant shall submit a deposit of \$_____ [Pacific Power to insert total deposit amounts for all modifications] at the time it executes and submits the Agreement to Pacific Power.
- 6.3** Payment. Pacific Power may require progress payments from Participant or Pacific Power may wait until construction and installation of all equipment and facilities are complete and the total actual cost of such equipment and facilities has been established and then provide Participant with a statement indicating whether actual cost was more or less than the deposit paid by Participant. If actual costs exceed the deposit, Pacific Power will invoice Participant for the balance and Participant shall pay any such invoice within 30 days of receipt. If actual costs are

less than the deposit, Pacific Power will refund the difference to Participant. Participant shall pay any balance owing prior to initial operation of the Eligible System.

Attachment A
Required Modifications

[Pacific Power to insert required modifications]

Disconnect Switch. The following disconnect switch requirements shall apply (Pacific Power to select case that applies):

The Eligible System must include and maintain a manual disconnect switch that will disconnect the Eligible System from Pacific Power's distribution system. The disconnect switch must be a lockable, load-break switch that plainly indicates whether it is in the open or closed position. The disconnect switch must be readily accessible to the Pacific Power at all times and be located within 10 feet of the Pacific Power meter. The disconnect switch may be located more than 10 feet from the Pacific Power meter if permanent instructions are posted at the meter indicating the precise location of the disconnect switch. Participant shall obtain Pacific Power's written approval of the location of the disconnect switch prior to the installation of the facility. Participant shall install and maintain the required disconnect switch at Participant's expense.

No disconnect switch is required because customer service is 600 volts or less and the Eligible System is inverter based with a maximum rating as shown below:

- (a) Service type: 240 Volts, Single-phase, 3 Wire—Maximum size 7.2 kilowatts
- (b) Service type: 120/208 Volts, 3-Phase, 4 Wire—Maximum size 10.5 kilowatts
- (c) Service type: 120/240 Volts, 3-Phase 4 Wire—Maximum size 12.5 kilowatts
- (d) Service type: 277/480, 3-Phase, 4 Wire—Maximum size 25.0 kilowatts
- (e) For other service types, the Eligible System must not impact the Participant's service conductors by more than 30 amperes.

Attachment B
Non-Binding, Good Faith Estimate of Modifications Cost and Schedule