

September 11, 2020

***VIA ELECTRONIC FILING***

Public Utility Commission of Oregon  
201 High Street SE, Suite 100  
Salem, OR 97301-3398

Attention: Filing Center

**RE: Advice No. 20-010 – Community Solar Program – Revised Interconnection Application**

PacifiCorp, d/b/a Pacific Power (PacifiCorp or Company), submits for filing a revised Community Solar Program (CSP) Interconnection Application provided as Exhibit 1 to this advice letter. PacifiCorp requests an effective date of October 12, 2020 for the revised CSP Interconnection Application.

**Purpose**

The purpose of this filing is to revise PacifiCorp's CSP Interconnection Application. The CSP Interconnection Application was originally approved as part of Advice Letter 20-003, effective April 14, 2020. PacifiCorp is revising the CSP Interconnection Application to update how the minimum daytime load eligibility is calculated.

**Proposal**

Page 3 of PacifiCorp's CSP Interconnection Application currently states:

*If MDL is available then:*

Interconnection Line Information

- (1) MDL: \_\_\_\_\_ kW
- (2) Pending generation = \_\_\_\_\_ kW
- (3) Maximum available generation = (1) – (2) = \_\_\_\_\_ kW
- (4) Maximum Physical Export Capability Requested (cannot exceed (3)):  
\_\_\_\_\_ kW

*If MDL is not available then:*

Interconnection Line Information

- (1) Summer Peak Load: \_\_\_\_\_ x 30% = \_\_\_\_\_ kW
- (2) Existing and pending generation = \_\_\_\_\_ kW

- (3) Maximum available generation = (1) – (2) = \_\_\_\_\_ kW
- (4) Maximum Physical Export Capability Requested (cannot exceed (3)):  
\_\_\_\_\_ kW

PacifiCorp proposes to revise the language above as follows (the bolded language reflects the proposed revisions):

*If **Supervisory Control and Data Acquisition (SCADA)** is available then:*

Interconnection Line Information

- (1) MDL: \_\_\_\_\_ kW
- (2) Pending generation = \_\_\_\_\_ kW
- (3) Maximum available generation = (1) – (2) = \_\_\_\_\_ kW
- (4) Maximum Physical Export Capability Requested (cannot exceed (3)):  
\_\_\_\_\_ kW

*If **SCADA** is not available then:*

Interconnection Line Information

- (1) **MDL: \_\_\_\_\_ kW**
- (2) **Existing generation = \_\_\_\_\_ kW**
- (3) **Proposed generation = \_\_\_\_\_ kW**
- (4) **Maximum available generation = (1) – (2) – (3) = \_\_\_\_\_ kW**
- (5) **Maximum Physical Export Capability Requested (cannot exceed (4)):**  
**\_\_\_\_\_ kW**

The proposed revisions reflect the experience PacifiCorp has gained since the CSP interconnection process began earlier in 2020. The primary changes are the references to Supervisory Control and Data Acquisition or “SCADA”. The changes are consistent with the Minimum Daytime Load (MDL) spreadsheets that PacifiCorp uses to determine interconnection eligibility. If SCADA is available, then MDL will be used to determine CSP interconnection eligibility. If SCADA is not available, then a measure of MDL is not available for the feeder and PacifiCorp will use 30 percent of summer peak load as a proxy for MDL. Thereafter, existing and proposed generation will be removed from the calculated MDL to determine the Maximum Physical Export Capability Requested.

Practically speaking, the revisions do not alter the way PacifiCorp currently calculates the Maximum Physical Export Capability Requested, as PacifiCorp currently removes anticipated and existing generation from MDL to determine the Maximum Physical Export Capability Requested. Additionally, the proposed revisions will provide clarity to perspective interconnection customers considering whether to submit a CSP Interconnection Application and more consistently defines the data posted by PacifiCorp.

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**Data Requests**

It is respectfully requested that all formal data requests regarding this matter be addressed to:

By email (preferred): [datarequest@pacificorp.com](mailto:datarequest@pacificorp.com)

By regular mail: Data Request Response Center  
PacifiCorp  
825 NE Multnomah, Suite 2000  
Portland, OR 97232

Please direct any informal questions about this filing to Cathie Allen, Regulatory Affairs Manager, at (503) 813-5934.

Sincerely,

A handwritten signature in black ink, appearing to read 'Etta Lockey', with a long, sweeping horizontal flourish extending to the right.

Etta Lockey  
Vice President, Regulation

Enclosures

## **Exhibit 1**



**Application for Interconnection of Community Solar Project(s)  
(Tier 2 or Tier 4 Interconnection)**

**Applicant Contact Information:**

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

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

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

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

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

\*Does the applicant request to be jointly studied with other Community Solar Projects<sup>1</sup>, if applicable?

Yes:  No:

**Location of Where the Community Solar Project will be Interconnected (if different from above):**

Please provide a valid street address or specific Latitude/Longitude as follows:

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

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

Or

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Proposed Substation/circuit: \_\_\_\_\_

\*If the applicant requests to be jointly studied with other Community Solar Projects, please provide a valid street address or specific Lat/Long of the other Community Solar Projects as follows (add more if necessary):

1. Street Address: \_\_\_\_\_

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

Or

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Proposed Substation/circuit: \_\_\_\_\_

\_\_\_\_\_

<sup>1</sup> When used in this application, with initial capitalization, the terms specified shall have the meanings given in the Public Utility’s Community Solar Project Interconnection Procedures (“CSP Interconnection Procedures”).



## Community Solar Project Interconnection Application

(cont.)

### **System Installer/Consulting Engineer:**

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

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

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

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

### **Requested Procedure Under Which to Evaluate Interconnection Request:**

Please indicate below which review procedure applies to the interconnection request.

- Tier 2** - Certified interconnection equipment with an aggregate Electric Nameplate Capacity of 2 MW or less. Indicate type of certification below. The application processing fee amount is \$500.
- Lab Tested - tested to IEEE 1547.1 and other specified standards by a nationally recognized testing laboratory and is appropriately labeled.
  - Field Tested – an identical small generator facility has been approved by the public utility under a Tier 4 study review process within the prior 36 months of the date of this interconnection request.
- Tier 4** – Electric Nameplate Capacity rating is 3 MW or smaller and the Community Solar Project does not qualify for a Tier 2-review or has been reviewed but not approved under a Tier 2 review. Application processing fee amount is \$1000.

### **Field Tested Equipment:**

If the field tested equipment box is checked above, please include with the completed application the following information which will be required for review of Tier 2 field tested small generator facilities:

- A copy of the Certificate of Completion, signed by the public utility that has approved an identical small generator facility for parallel operation.
- A copy of all documentation submitted to the public utility that approved the small generator facility for parallel operation under a Tier 4 study process.
- A written statement by the Applicant indicating that the small generator facility being proposed is identical, except for Minor Equipment Modification, to the one previously approved by the public utility for parallel operation.
- If a Tier 2 Application, utilizing Field Tested equipment, is proposed the remainder of the application will not be required to be completed.



Community Solar Project Interconnection Application

(cont.)

**Community Solar Project Information:**

List interconnection components/system(s) to be used in the Community Solar Project that is lab certified (required for Lab Tested, Tier 2 Interconnection requests only).

Component/System	NRTL Providing Label & Listing
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

*Please provide copies of manufacturer brochures or technical specifications*

**Electric Service Information for Applicant’s Facility Where Community Solar Project Will Be Interconnected:**

Capacity: \_\_\_\_\_(Amps) Voltage: \_\_\_\_\_(Volts)

Type of Service:  Single Phase  Three Phase

Will a transformer be used between the generator and the point of common coupling? \_\_\_Yes \_\_\_No

**Transformer Data (If Applicable, for Interconnection Customer-Owned Transformer):**

Is the transformer: \_\_\_single phase \_\_\_three phase? Size: \_\_\_\_\_kVA

Transformer Impedance: \_\_\_\_\_% on \_\_\_\_\_kVA Base

If Three Phase:

Transformer Primary: \_\_\_\_\_ Volts \_\_\_Delta \_\_\_Wye \_\_\_Wye Grounded

Transformer Secondary: \_\_\_\_\_ Volts \_\_\_Delta \_\_\_Wye \_\_\_Wye Grounded

Transformer Tertiary: \_\_\_\_\_ Volts \_\_\_Delta \_\_\_Wye \_\_\_Wye Grounded

**Energy Production Equipment/Inverter Information:**

Total Community Solar Project Electric Nameplate Rating: \_\_\_\_\_ kW \_\_\_\_\_ kVA

Rated Voltage: \_\_\_\_\_Volts

Rated Current: \_\_\_\_\_Amps

Manufacturer:\_\_\_\_\_ Model: \_\_\_\_\_

Type:  Forced Commutated  Line Commutated

Customer-Site Load: \_\_\_\_\_ (kW) (if none, so state)



Community Solar Project Interconnection Application

(cont.)

CSP interconnection requests will be eligible if the proposed generator, together with all other interconnected and requested generation in the local area, is less than 100 percent of minimum daytime load (MDL)

If Supervisory Control and Data Acquisition (SCADA) is available then:

Interconnection Line Information

- (1) MDL: \_\_\_\_\_ kW
(2) Pending generation = \_\_\_\_\_ kW
(3) Maximum available generation = (1) - (2) = \_\_\_\_\_ kW
(4) Maximum Physical Export Capability Requested (cannot exceed (3)): \_\_\_\_\_ kW

If SCADA is not available then:

Interconnection Line Information

- (1) MDL: \_\_\_\_\_ kW
(2) Existing generation = \_\_\_\_\_ kW
(3) Proposed generation = \_\_\_\_\_ kW
(4) Maximum available generation = (1) - (2) - (3) = \_\_\_\_\_ kW
(5) Maximum Physical Export Capability Requested (cannot exceed (4)): \_\_\_\_\_ kW

Number of Inverters: \_\_\_\_\_

Per Inverter Electric Nameplate

Capacity Rated Output: \_\_\_\_\_ Amps \_\_\_\_\_ Volts \_\_\_\_\_ kVA \_\_\_\_\_ kW

Efficiency: \_\_\_\_\_% Power Factor: \_\_\_\_\_%

System Type Tested (Total System): [ ] Yes [ ] No (product literature required to be attached)

Individual Generator Rated Power Factor

Leading: \_\_\_\_\_ Lagging: \_\_\_\_\_

Additional Information For the Community Solar Project:

DC Source / Prime Mover:

Open Circuit Voltage (If applicable): \_\_\_\_\_ Volts

Rated Current: \_\_\_\_\_ Amps

Short Circuit Current (If applicable): \_\_\_\_\_ Amps

Other Community Solar Project Information:

One Line Diagram attached: [ ] Yes [ ] No

Plot Plan attached: [ ] Yes [ ] No





Community Solar Project Interconnection Application

(cont.)

Installation Test Plan attached:  Yes  No

Estimated Commissioning Date (if known): \_\_\_\_\_

The following are required with the application:

- Enclose copy of site electrical one-line diagram showing the configuration of all Community Solar Project equipment, current and potential circuits, and protection and control schemes.
- Enclose copy of any site documentation that indicates the precise physical location of the proposed Community Solar Project (e.g., USGS topographic map, distance from public utility facility number, other diagram or documentation).
- Enclose copy of any documents that provide proof of site control.

**Applicant Signature:**

I hereby certify that all of the information provided in this application request form is correct.

I hereby certify that facility is a Community Solar Project as the term is defined in ORS 757.386(1)(a) and meets the certification and eligibility requirements of OPUC Rule OAR 860, Division 088.

I understand if the small generator facility described in this application does not qualify or fails to maintain qualification as a Community Solar Program Project then the project will lose its queue position, and will be deemed withdrawn.

I understand if I withdraw this application, the Community Solar Program Project will lose its queue position.

**\*If the applicant requests to be jointly studied with other Community Solar Projects,** I understand that if a Community Solar Project that has been jointly studied with my request for CSP Interconnection withdraws, the Company will reassess the System Upgrades needed to complete the interconnection(s) and reallocate the System Upgrade costs to the remaining Community Solar Project(s).

Applicant Signature: \_\_\_\_\_

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



Community Solar Project Interconnection Application

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(cont.)

**Public Utility Acknowledgement:**

I hereby acknowledge the receipt of an Interconnection Request for a Community Solar Project.

Approval for a Tier 2 or Tier 4 Community Solar Project interconnection is contingent upon the Applicant's Community Solar Project passing the screens (if applicable) and completing the review process and is not granted by the Public Utility's signature on this Application Form.

Public Utility Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Note: The Public Utility shall retain a copy of this completed and signed form and return the original and any attachments to the Applicant.