



NW Photon Energy
Commercial and Utility Scale Solar Projects



To: Cindy Dolezel
Sr. Renewable Energy Analyst

November 9th, 2015
NW Photon Energy
10720 SW Moapa Ave
Portland, OR 97219

In the Matter of
NW Photon Energy on behalf of
WPC Bancroft, LLC
0680 SW Bancroft St.
Portland, Or 97239

WPC Bancroft, LLC
PGE account #001715826-509409
System Size 100kW
Reservation # W96731

NW Photon Energy is requesting a Waiver for the PGE's two month interconnection application, Solar Photovoltaic System Installation Requirement under OAR 860-084-0210 (1).

On May 22, 2015 Portland General Electric (PGE) sent a confirmation email to confirm Capacity Reservation Application for the Solar Payment Option pilot program. WPC Bancroft's volumetric incentive rate bid of \$0.23 had won a reservation email attached) in the capacity allotted for Medium Systems (10 to 100kW).

From the date of the award (May 22, 2015), NW Photon Energy was given two months to have executed an Interconnection Application and one year from this date to have executed a Solar Photovoltaic Pilot Program and Interconnection Service Agreement and have solar system operational.

NW Photon Energy had an internal communication error and had marked on its check sheet that the Interconnection Application had been filed. NW Photon had several active solar projects at the time when the error was made. Since the check list box was marked completed, NW Photon has been moving forward with the installation. The racking system, panels have been delivered and the inverters are on order.

We contacted PGE to coordinate the interconnection work, November 5th, 2015 and that is when we were informed that the Interconnection Application had not been filed even though the application was completed and located in the file, just not submitted.

We sincerely apologize for any inconvenience caused and appreciate your consideration with the waiver request.

A handwritten signature in black ink, reading "Kirk Cameron". The signature is written in a cursive style with a large initial "K".

Kirk Cameron
President, NW Photon Energy

Kirk Cameron

From: "solar" <solar@pgn.com>
Date: Friday, May 22, 2015 1:23 PM
To: <kirk@nwphotonenergy.com>
Cc: "solar" <solar@pgn.com>
Subject: Capacity Reservation Application Awarded-Medium RFP
Dear WPC Bancroft LLC,

Thank you for your recent Capacity Reservation Application for the Solar Payment Option pilot program. Portland General Electric is pleased to inform you that your volumetric incentive rate bid of \$0.23 has won a reservation in the capacity allotted for Medium Systems (10 to 100 kW). This notification will serve as your official award letter.

RFP Awarded for:

WPC Bancroft LLC
0680 SW Bancroft St.
Portland, OR 97239

Acct: 001715826-509409

System size: 100 kW

Please be aware that PGE may make bid prices publicly available as required by the Oregon Public Utility Commission.

Today's date (May 22, 2015) is your Capacity Reservation Start Date. You now have two months from this date (May 22, 2015) to submit an Interconnection Application and one year from this date (May 22, 2015) to have executed a Solar Photovoltaic Pilot Program and Interconnection Services Agreement and have your solar system operational. If you are unable to meet these milestone dates, your reservation will be considered withdrawn and you will lose the deposit submitted with the Capacity Reservation Application.

You must obtain authority to make wholesale sales of energy at Market Based Rates to be eligible to participate in the Bid Option portion of the pilot program. Qualifying Facilities under the Public Utility Regulatory Policies Act (PURPA) are not eligible to participate.

The physical point of interconnection (point of common coupling) for this system must be located on facilities capable of doing so at PGE's distribution voltage for the feeder line servicing the site. As the participant, you will be responsible for the construction and maintenance of the customer-owned interconnection facilities and equipment. Customer-owned interconnection facilities (transformer, switchgear, etc.) must meet PGE Electric Service Requirements and be approved by PGE personnel prior to construction. Metering for the project must be primary voltage level metering and be located in PGE approved customer-owned and maintained equipment. Please feel free to contact us with any questions you may have regarding these requirements and this process.

From the information you submitted with your online Capacity Reservation Application, your system requires a Level 2 Interconnection Application. Interconnection Applications as well as the Solar Photovoltaic Pilot Program and Interconnection Services Agreement for bid option systems can be found at:

https://www.portlandgeneral.com/renewables_efficiency/generate_power/solar_payment/default.

**Solar Payment Option System
Application for Level 2 Interconnection**



*(Applies to a photovoltaic system with 25 kW – 500 kW DC nameplate capacity
or a system not meeting Level 1 Interconnection requirements)*

1) Customer:

Tracking No. (provided with notification of Capacity Reservation Date): na

Name: _____

Company Name (if applicable): WPC Bancroft LLC

Mailing Address: 0680 SW Bancroft St

City: Portland State: Or Zip Code: 97239

Telephone: 808 971-8800 Cell/Evening: same

E-Mail Address: Jd1@lava.net

2) System Installer (must be an Energy Trust Trade Ally):

Company Name: NW Photon Energy

Contact Name: Kirk Cameron

Contractor License No. 188056 Electrical Supervisor: TBD

Mailing Address: 10720 SW Moapa Ave

City: Portland State: Or Zip Code: 97219

Office Telephone: 503 697 4482 Cell: 503 703 4046

E-Mail Address: kirk@nwphotonenergy.com

3) Consulting Engineer (if applicable):

Company Name: REA

Contact Name: Ryan Mayfield

Mailing Address: _____

City: Corvallis State: Oregon Zip Code: _____

Office Telephone: 641 754-2001 Cell: 541 231-9984

E-Mail Address: ryan@renewableassociates.com

4) Facility Information:

Existing PGE Account where backfeed will occur (from PGE bill): 17 15828-509409 6

Estimated Commissioning Date: August 2015

Location (if different from Applicant's address listed above):

Street Address: _____

City: _____ State: _____ Zip Code: _____

5) Estimated Energy Generation:

(section does not apply to systems with 100 kW – 500 kW nameplate)

Systems applying for participation in the Solar Payment Option must be sized to generate 90% or less than existing service’s annual usage. If annual usage is unavailable, it will be estimated by PGE based upon the rolling average of three years’ usage by a similarly situated site.¹

Annual kilowatt-hours (kWh) production estimate must use a forecasting methodology consistent with the methodologies used by the Energy Trust of Oregon and the Oregon Department of Energy.

System Production Estimate (annual): 108,000 kWh

6) Electric Service Information for Where Solar Facility Will be Interconnected:

Main Service Entrance Rating: 800 Amps

Service Voltage: 120/208 Volts

Type of Service:

Single-Phase 3-Phase Wye 3-Phase Delta

7) Certified Component Information:

List interconnection components/system(s) to be used in the Solar Facility that are lab certified by a Nationally Recognized Testing Laboratory (NRTL).

Component/System	NRTL Providing Label & Listing
1. <u>Trina PV modules, UL1703</u>	
2. <u>SMA Tripower inverters, UL1741</u>	
3. _____	
4. _____	
5. _____	

Please attach copies of manufacturer brochures or technical specifications.

¹ The eligible system is limited to 90 percent of the electric site’s previous usage. You can find information about approximate expected generation by visiting the Energy Trust of Oregon web site at <http://energytrust.org/shared-resources/solar-calculator/>. The solar calculator helps you determine how much electricity you can expect to produce, although your Energy Trust Trade Ally will provide a more accurate estimate to complete this application.

8) Required Facility Information to be Attached:

- Electrical One-Line Diagram Attached (*showing full circuit from solar panels to existing PGE meter, including new production meter, disconnect, all protective devices, etc.*)
- Site Plan Attached (*documenting PGE meter location, system disconnect location, etc.*)

9) Solar Facility:

Generator Nameplate Capacity: 100 DC kW (*STC total for all panels*)

Panel Information:

Solar Panel Manufacturer: Trina

Model No. TSM-PD14 Quantity: 334

Rated Voltage (*individual unit*): 36.2 Volts

Open Circuit Voltage (*if applicable*): 45.4 Volts

Rated Current (*individual unit*): 8.28 Amps

Short Circuit Current (*if applicable*): 8.77 Amps

Inverter Information:

Manufacturer: SMA

Model No. STP 20000TL-US Quantity: 3

Nameplate Capacity Rated Output: 24 Amps 480 Volts 20 kW

Efficiency: 97.5 % Power Factor: 1

Additional Inverter Information (if more than one model of inverter used):

Manufacturer: SMA

Model No. STP 24000TL-US Quantity: 1

Nameplate Capacity Rated Output: 29 Amps 480 Volts 24 kW

Efficiency: 98 % Power Factor: 1

10) Customer Consent to Data Release

I hereby acknowledge and agree that PGE may release information concerning my participation in the Pilot to the Oregon Department of Revenue, the Oregon Department of Energy, the Oregon Public Utility Commission and the Energy Trust of Oregon. PGE shall use reasonable efforts to pursue appropriate confidentiality terms with the above agencies and organizations.

11) Customer Signature:

I hereby attest that the information submitted on this application is accurate to the best of my knowledge. I certify that the system is to be constructed from new components and compliant with Oregon Public Utility Commission quality and reliability requirements for photovoltaic systems. I also certify that the system will be first operational and online after July 1, 2010.

Applicant Signature: [Signature] Date: _____

Printed Name: Kirk Cameron Title (if applicable): _____

An application fee is required before the application can be processed. Please verify that the appropriate fee is included with the application request form:

Application fee payable to **Portland General Electric** included.

Amount: \$ 150.00 (\$50 base plus \$1 per kW of DC Nameplate Capacity)

12) Mail Completed Interconnection Application with Application Fee to:

PGE Solar Payment Option
PO Box 4079
Portland, OR 97208-4079

13) Utility Receipt Acknowledgement:

Receipt of a completed application is hereby acknowledged.

Approval for a Level 2 Solar Payment Option System interconnection is contingent upon the Applicant's Generator Facility passing the Level 1 screens and completing the review process set forth in OPUC Rule AR 538, Division 084 and is not granted by the utility's receipt acknowledgement signature on this Application Form. The Applicant will be notified within fifteen (15) business days of receipt of this acknowledgment whether the interconnection application is approved or denied.

Utility Signature: _____ Date: _____

Printed Name: _____ Title: _____

14) Utility Interconnection Application Approval:

Utility Signature: _____ Date: _____

Printed Name: _____ Title: _____