

RE ### e-FILING REPORT COVER SHEET

REPORT NAME: RE ### OAR 860-084-0370(1), Solar Photovoltaic Pilot Program Resource Value Estimate and OAR 860-084-0380(2), Solar Photovoltaic Pilot Programs Rate Impact Estimate

COMPANY NAME: Portland General Electric

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No

If yes, please submit only the cover letter electronically.

Submit confidential information as directed OAR 860-001-0070 or the terms of an applicable PROTECTIVE ORDER.

If known, please select designation: X RE (Electric)

Report is required by: X OAR 860-084-0370(1)
860-084-0380(2)

Statute

Order

Other

Is this report associated with a specific docket/case? Yes

If Yes, enter docket number: UM 1559

Key words: Solar Photovoltaic Pilot Program, Resource Value Estimate and Rate Impact Estimate

If known, please select the PUC Section to which the report should be directed:

X Electric and Natural Gas Revenue Requirements



Portland General Electric Company
121 SW Salmon Street • Portland, Oregon 97204
PortlandGeneral.com

November 1, 2012

Public Utility Commission of Oregon
550 Capitol Street, N.E., Suite 215
Salem, OR 97301-2551

Attn: Maury Galbraith

Re: OAR 860-084-0370(1), Solar Photovoltaic Pilot Program Resource Value Estimate and OAR 860-084-0380(2) Solar Photovoltaic Pilot Programs Rate Impact Estimate

This informational filing provides estimates of PGE's 15-year levelized resource value as directed by OAR 860-084-0370(1) and PGE's estimates of the rate impact of the Solar Photovoltaic Pilot Programs for each customer class pursuant to OAR 860-084-0380(2).

OAR 860-084-0370(1), Solar Photovoltaic Pilot Program Resource Value Estimate

Per Commission Order No. 12-396, PGE estimates the Solar Photovoltaic Pilot Program resource value using three different methods.

1. Standard avoided cost method. The 15-year real levelized resource value is \$80.16/MWh and the 15-year nominal levelized resource value is \$91.15/MWh.
2. Renewable avoided cost method. The 15-year real levelized resource value is \$76.03/MWh and the 15-year nominal levelized resource value is \$86.45/MWh.

The resource value calculation uses PGE's on- and off-peak avoided costs from Schedules 201 and Schedule 211 as agreed to in a forthcoming stipulation between parties in docket UM 1396. Schedule 201 is based on PGE's currently approved avoided costs with updated sufficiency period prices. Schedule 211 provides PGE's renewable avoided cost consistent with Commission Order No. 11-505. The monthly prices are shaped into an annual figure using the solar shape for a Portland PV system. On-peak prices account for a 6/7th weighting and off-peak prices account for a 1/7th weighting. These weightings assume solar production occurs during on-peak hours, Monday through Saturday, while Sunday is off-peak. The annual prices are then levelized over 15 years starting January 1, 2013. To that levelized value, PGE adds our full internal line loss factor, from transmission to secondary voltage.

3. An IRP methodology using the energy value of solar systems based on the incremental addition of 20 megawatts of solar capacity and the corresponding capacity value using the effective load carrying capability method.

PGE respectfully requests additional time to provide the resource value using the third methodology. PGE has not performed the calculations in the past, with regard to both energy and capacity, and is evaluating, particularly, the effective load carrying capability method. We note that the Commission, in order no. 12-396, acknowledged that the reporting requirements were broadened and that the utilities may require more time to make the expanded filings.

Work papers detailing the 15-year levelized resource value calculations using the first and second methodologies are provided on C.D. as Attachment A.

OAR 860-084-0380(2) Solar Photovoltaic Pilot Programs Rate Impact Estimate

Pursuant to OAR 860-084-0380(2) PGE herein files its estimates of the rate impact of the solar photovoltaic pilot programs, for each customer class, along with supporting work papers.

Attachment B provides an estimate of the rate impact by customer class.

Please direct any questions regarding this filing to Rob Macfarlane at (503) 464-8954.

Please direct all formal correspondence and requests to the following email address pge.opuc.filing@pqn.com

Sincerely,



Jay Tinker
Manager, Pricing

Enclosure(s)
UM 1559 Service List

OAR 860-084-0370(1)
Solar Photovoltaic Pilot Program
Resource Value Estimate

Attachment A
Provided on C.D.

CERTIFICATE OF SERVICE

I hereby certify that I have this day caused **PORTLAND GENERAL ELECTRIC COMPANY'S INFORMATIONAL FILING OAR 860-084-0370(1), SOLAR PHOTOVOLTAIC PILOT PROGRAM RESOURCE VALUE ESTIMATE AND OAR 860-084-0380(2) SOLAR PHOTOVOLTAIC PILOT PROGRAMS RATE IMPACT ESTIMATE** to be served by electronic mail to those parties whose email addresses appear on the attached service list from OPUC Docket No. UM 1559.

DATED at Portland, Oregon, this 1st day of November, 2012.



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OPUC DOCKET # UM 1559

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