

**BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON**

UM 1829, UM 1830, UM 1831, UM 1832, UM 1833

Blue Marmot V LLC (UM 1829),)	
Blue Marmot VI LLC (UM 1830),)	BLUE MARMOTS CROSS EXAM
Blue Marmot VII LLC (UM 1831),)	EXHIBITS
Blue Marmot VIII LLC (UM 1832),)	
Blue Marmot IX LLC (UM 1833),)	
Complainants,)	
)	
v.)	
)	
Portland General Electric Company,)	
Defendant.)	

Blue Marmot V LLC, Blue Marmot VI LLC, Blue Marmot VII LLC, Blue Marmot VIII LLC, and Blue Marmot IX LLC (collectively the “Blue Marmots”) submits the following cross examination exhibits for Portland General Electric Company. Blue Marmots may identify additional exhibits prior to or at the evidentiary hearing.

UM 1829 – Brett Greene	
Number	Title
Blue Marmot/800	PGE webpage: “Sell Power to PGE - Install Solar, Wind & More PGE”
Blue Marmot/801	PGE summary of terms of executed Airport Solar, LLC qualifying facility Power Purchase Agreement
Blue Marmot/802	Excerpt of PGE’s 2017 Form 10-K (cover and page 31 only)

Dated this 3rd day of December 2018.

Respectfully submitted,

A handwritten signature in black ink that reads "Irion Sanger". The signature is written in a cursive style with a large, looped initial "I".

Irion A. Sanger
Mark Thompson
Sanger Law, PC
1117 SE 53rd Avenue
Portland, OR 97215
Telephone: 503-756-7533
Fax: 503-334-2235
irion@sanger-law.com

Of Attorneys for Blue Marmot V, LLC, Blue
Marmot VI, LLC, Blue Marmot VII, LLC, Blue
Marmot VIII, LLC, and Blue Marmot IX, LLC



Sell Power to PGE

How it works

Small power producers sell power directly to PGE and receive a check each billing cycle for their electricity.

The sale price is based on PGE's Avoided Cost, which is lower than the retail rate used for crediting customers of our **[Net Metering Service \(/business/power-choices-pricing/renewable-power/install-solar-wind-more/net-metering\)](#)**.

Under state regulations for small power producers, participants must sell power directly to the utility and pay utility rates for any energy they might use. There is also a monthly charge for reading the production meter.

Generating 10 MW or less

Schedule 201

([/-/media/public/business/power-choices-pricing/documents/business-sched-201.pdf?la=en](#))

To sell power from a facility that has a nameplate of 10 MW of power or less:

- The facility must meet **[federal rules for a qualifying facility](https://www.ferc.gov/industries/electric/gen-info/qual-fac/what-is.asp)** (**<https://www.ferc.gov/industries/electric/gen-info/qual-fac/what-is.asp>**).

- The facility and related equipment must meet standards as designated by the state of Oregon, PGE and local electrical and building codes.
- If the system generates more than 30 amps, it must have a lockable isolation device readily accessible to PGE at all times.
- You must demonstrate proof of site control (property tax bill, deed, lease agreement or other legally binding contract) for the location of the facility.
- You must carry general liability insurance for a facility with a nameplate capacity of more than 200 kilowatts. Limits and conditions are subject to PGE approval.
- For multiple generators, the total nameplate capacity at a point of interconnection must be 10 MW or less.
- There may be delivery points on PGE's System that are constrained. If you wish to use a particular point to delivery, you should inform PGE as soon as possible so that PGE can study whether delivery to that point will be feasible. PGE's System currently has limited or no Available Transmission Capability on certain transmission paths. The following points are not acceptable points of delivery for Qualifying Facility contracts:
 - PACW
 - Roundbutte
- On June 30, 2017, Portland General Electric filed with the Public Utility Commission of Oregon (OPUC) an Application to Lower the Standard Price and Standard Contract Eligibility Cap for Solar Qualifying Facilities and a Motion for Interim Relief. For more information, the OPUC has a **full copy of the filing** (**<http://apps.puc.state.or.us/edockets/docket.asp?DocketID=20893>**) available.

- On August 18, 2017, the Public Utility Commission of Oregon issued Order No. 17-310 modifying eligibility for standard prices. Effective July 14, 2017, solar QF projects with nameplate capacity in excess of 3 MW are not eligible for Standard Prices. For more information, the OPUC has a **full copy of the order** (<http://apps.puc.state.or.us/orders/2017ords/17-310.pdf>) available.

Schedule 201 contracts

- **Standard In-System Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_in_system_variable.pdf?la=en)
- **Standard In-System Non-Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_in_system_nonvariable.pdf?la=en)
- **Standard Off-System Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_off_system_variable.pdf?la=en)
- **Standard Off-System Non-Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_off_system_nonvariable.pdf?la=en)
- **Standard Renewable In-System Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_renewable_in_system_variable.pdf?la=en)
- **Standard Renewable In-System Non-Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_renewable_in_system_nonvariable.pdf?la=en)
- **Standard Renewable Off-System Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_renewable_off_system_variable.pdf?la=en)
- **Standard Renewable Off-System Non-Variable Power Purchase Agreement**
(/-/media/public/business/power-choices-pricing/documents/contract_201_renewable_off_system_nonvariable.pdf?la=en)

Generating more than 10 MW

Schedule 202

([/-/media/public/business/power-choices-pricing/documents/business-sched-202.pdf?la=en](#))

If your qualifying facility has a nameplate capacity greater than 10 MW and you'd like to sell power, PGE will buy the power under a negotiated power purchase agreement.

This contract with PGE covers all aspects of the sale, delivery and purchase of this power and the rights and responsibilities of both parties. For more information call **503-464-8000** and ask for the power production coordinator.

Interconnection of a QF of 20 MW capacity or more shall be governed by the terms, conditions and provisions of the Commission-approved QF interconnection procedures and the Commission-approved QF interconnection agreement.

- **QF Large Generator Interconnection Agreement from OPUC Order No. 10-132**
([/-/media/public/business/power-choices-pricing/documents/qf-large-generator-interconnection-agreement-opuc-order-no,-d,-10-132-appdx-b.pdf?la=en](#))
- **QF Large Generator Interconnection Procedures from OPUC Order No. 10-132**
([/-/media/public/business/power-choices-pricing/documents/qf-large-generator-interconnection-procedures-opuc-order-no,-d,-10-132-appdx-a.pdf?la=en](#))

Interconnection forms

If your facility qualifies for small power production and you want to sell power to PGE, you will need to complete the following forms, as appropriate:

- **Tier 1 application**
([/-/media/public/business/power-choices-pricing/documents/business-interconnection-tier-1-application.pdf?la=en](#))
for inverter-based facilities 25 kW and smaller

- **Tier 2-4 application**

(</-/media/public/business/power-choices-pricing/documents/business-interconnection-tier-2-4-application.pdf?la=en>)

for facilities 10 MW and smaller

- **Certificate of completion**

(</-/media/public/business/power-choices-pricing/documents/business-small-generator-facility-certificate-of-completion.pdf?la=en>)

to submit after electrical inspection

- **Interconnection equipment as-built specifications**

(</-/media/public/business/power-choices-pricing/documents/business-interconnection-equipment.pdf?la=en>)

for submission on or about the time of the witness test

Small power production contact

For more information, contact the **small power production coordinator** (<mailto:small.power.production@pgn.com>) at **503-464-8300** or via mail:

Portland General Electric

Small power production coordinator

121 SW Salmon St., 3WTC-0402

Portland, OR 97204

- **Get Started with Solar** (</business/power-choices-pricing/renewable-power/install-solar-wind-more/get-started-with-solar>)
- **Solar Costs & Incentives** (</business/power-choices-pricing/renewable-power/install-solar-wind-more/solar-costs-incentives>)
- **Net Metering** (</business/power-choices-pricing/renewable-power/install-solar-wind-more/net-metering>)
- **Renewable Development Fund** (</business/power-choices-pricing/renewable-power/install-solar-wind-more/renewable-development-fund>)

pricing/renewable-power/install-solar-wind-more/renewable-development-fund)

- **Qualifying Facility Interconnection FAQs**

(/-/media/public/business/power-choices-pricing/documents/qualifying-facility-interconnection-faqs.pdf?la=en)



e-FILING REPORT COVER SHEET

COMPANY NAME:

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type: RE (Electric) RG (Gas) RW (Water) RT (Telecommunications)
 RO (Other, for example, industry safety information)

Did you previously file a similar report? No Yes, report docket number:

Report is required by: OAR 860-029-0020

Statute

Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other

(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case? No Yes, docket number: RE-143

List Key Words for this report. We use these to improve search results.

Qualifying Facility, Power Purchase Agreement, PPA, PURPA

Send the completed Cover Sheet and the Report in an email addressed to PUC.FilingCenter@state.or.us

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 3930 Fairview Industrial Drive SE, Salem, OR 97302.

Portland General Electric Company
Legal Department
121 SW Salmon Street • Portland, Oregon 97204
503-464-7181 • Facsimile 503-464-2200

V. Denise Saunders
Associate General Counsel

June 21, 2017

Via Electronic Filing

Oregon Public Utility Commission
201 High St SE
PO Box 1088
Salem OR 97308-10888

RE: OPUC RE-143 – Portland General Electric Company Informational Filing of Qualifying Facility (QF) Agreement

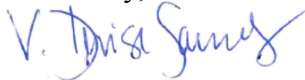
Attention Filing Center:

Pursuant to OAR 860-029-0020(1), Portland General Electric Company submits the following summary of terms of executed Airport Solar, LLC qualifying facility (QF) Power Purchase Agreement (PPA) for filing in OPUC Docket No. RE-143.

If you have any questions, please contact my Legal Assistant Barbara Parr at 503-464-8872.

Thank you in advance for your assistance.

Sincerely,



V. Denise Saunders
Associate General Counsel

VDS:bp

Encl.

SUMMARY OF TERMS

**POWER PURCHASE AND SALE AGREEMENT
FOR SOLAR QUALIFYING FACILITY (QF) GREATER THAN 10MW
PER OAR 860-029-0020 (1)**

OPUC Docket RE-143

Buyer:	Portland General Electric Company (PGE), an Oregon corporation.																																										
Seller:	Airport Solar, LLC, an Oregon limited liability corporation.																																										
Project:	Solar generation facility to be designed, constructed, owned and operated and maintained by Seller in Lake County, Oregon having a nameplate capacity rating of 47.25 MW.																																										
Effective Date:	April 3, 2017.																																										
Terms of Agreement:	The Agreement commences on the Effective Date and shall end fifteen (15) years following the Effective Date.																																										
Quantity of the Power:	<table border="1"> <thead> <tr> <th></th> <th>On-Peak (kWh)</th> <th>Off-Peak (kWh)</th> </tr> </thead> <tbody> <tr> <td>January</td> <td>3,651,468</td> <td>608,578</td> </tr> <tr> <td>February</td> <td>4,610,475</td> <td>768,413</td> </tr> <tr> <td>March</td> <td>8,126,422</td> <td>1,354,404</td> </tr> <tr> <td>April</td> <td>9,676,648</td> <td>1,612,775</td> </tr> <tr> <td>May</td> <td>11,908,589</td> <td>1,984,765</td> </tr> <tr> <td>June</td> <td>13,059,920</td> <td>2,176,653</td> </tr> <tr> <td>July</td> <td>14,013,120</td> <td>2,335,520</td> </tr> <tr> <td>August</td> <td>12,435,380</td> <td>2,072,563</td> </tr> <tr> <td>September</td> <td>10,360,679</td> <td>1,726,780</td> </tr> <tr> <td>October</td> <td>7,365,135</td> <td>1,227,522</td> </tr> <tr> <td>November</td> <td>4,291,145</td> <td>715,191</td> </tr> <tr> <td><u>December</u></td> <td><u>2,996,975</u></td> <td><u>499,496</u></td> </tr> <tr> <td>Total</td> <td>102,495,957</td> <td>17,082,659</td> </tr> </tbody> </table>		On-Peak (kWh)	Off-Peak (kWh)	January	3,651,468	608,578	February	4,610,475	768,413	March	8,126,422	1,354,404	April	9,676,648	1,612,775	May	11,908,589	1,984,765	June	13,059,920	2,176,653	July	14,013,120	2,335,520	August	12,435,380	2,072,563	September	10,360,679	1,726,780	October	7,365,135	1,227,522	November	4,291,145	715,191	<u>December</u>	<u>2,996,975</u>	<u>499,496</u>	Total	102,495,957	17,082,659
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Quality of the Power:	Specified Amount (Monthly On-Peak and Off-Peak) delivered to PGE on an hourly firm basis with associated ancillary services.																																										

**SUMMARY OF TERMS
POWER PURCHASE AND SALE AGREEMENT**

OPUC Docket RE-143

Price being Paid:	For each calendar month during the Delivery Period, Buyer shall pay Seller the sum of the following: a. The Specified Energy scheduled and delivered during the month, up to the Specified Amounts for such month, multiplied by the applicable Firm Fixed Prices for On-Peak hours and for Off-Peak hours; and b. The sum of the Un-Specified Energy and the As-Available Energy delivered during the calendar month multiplied by the Market Index Settlement Price; and c. For each hour that the Market Price is negative, the sum of the Delivered Energy Quantity, for each applicable hour multiplied by the Market Index Price.
Buyer's Tariff Schedule:	PGE Tariff Schedule 202 for Qualifying Facilities Greater than 10 MW.

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2017

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Transition period from _____ to _____

Commission File Number 001-05532-99

PORTLAND GENERAL ELECTRIC COMPANY

(Exact name of registrant as specified in its charter)

Oregon

(State or other jurisdiction of
incorporation or organization)

93-0256820

(I.R.S. Employer
Identification No.)

**121 S.W. Salmon Street
Portland, Oregon 97204
(503) 464-8000**

(Address of principal executive offices, including zip code,
and Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Common Stock, no par value

(Title of class)

New York Stock Exchange

(Name of exchange on which registered)

Securities registered pursuant to Section 12(g) of the Act: None.

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

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operations and financial condition, future capital expenditures and investments, and applicable regulatory and contractual restrictions.

ITEM 6. SELECTED FINANCIAL DATA.

The following consolidated selected financial data should be read in conjunction with Item 7.—“Management’s Discussion and Analysis of Financial Condition and Results of Operations” and Item 8.—“Financial Statements and Supplementary Data.”

	Years Ended December 31,				
	2017	2016	2015	2014	2013
(In millions, except per share amounts)					
Statement of Income Data:					
Revenues, net	\$ 2,009	\$ 1,923	\$ 1,898	\$ 1,900	\$ 1,810
Income from operations	376	333	309	293	206
Net income	187	193	172	174	104
Net income attributable to Portland General Electric Company	187	193	172	175	105
Earnings per share—basic	2.10	2.17	2.05	2.24	1.36
Earnings per share—diluted	2.10	2.16	2.04	2.18	1.35
Dividends declared per common share	1.340	1.260	1.180	1.115	1.095
Statement of Cash Flows Data:					
Capital expenditures	514	584	598	1,007	656

	As of December 31,				
	2017	2016	2015	2014	2013
(Dollars in millions)					
Balance Sheet Data:					
Total assets	\$ 7,838	\$ 7,527	\$ 7,210	\$ 7,030	\$ 6,090
Total long-term debt	2,426	2,350	2,193	2,489	1,905
Total capital lease obligations	51	54	—	—	—
Total Portland General Electric Company shareholders’ equity	2,416	2,344	2,258	1,911	1,819
Common equity ratio	49.4%	49.4%	50.7%	43.4%	48.9%

ITEM 7. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS.

Forward-Looking Statements

The information in this report includes statements that are forward-looking within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements include, but are not limited to, statements that relate to expectations, beliefs, plans, assumptions and objectives concerning future results of operations, business prospects, future loads, the outcome of litigation and regulatory proceedings, future capital expenditures, market conditions, future events or performance and other matters. Words or phrases such as “anticipates,” “believes,” “estimates,” “expects,” “intends,” “plans,” “predicts,” “projects,” “will likely result,” “will continue,” “should,” or similar expressions are intended to identify such forward-looking statements.

Forward-looking statements are not guarantees of future performance and involve risks and uncertainties that could cause actual results or outcomes to differ materially from those expressed. PGE’s expectations, beliefs and projections are expressed in good faith and are believed by the Company to have a reasonable basis including, but