STANDARD RENEWABLE OFF-SYSTEM NON-VARIABLE POWER PURCHASE

AGREEMENT

THIS AGREEMENT, entered into this 212t day, 6/20162016, is between Energy Partners I, LLC ("Seller") and Portland General Electric Company ("PGE") (hereinafter each a "Party" or collectively, "Parties").

RECITALS

Seller intends to construct, own, operate and maintain a biomass cogeneration facility for the generation of electric power located in Tillamook County, Oregon at 123.833 W and 45.450 N with a Nameplate Capacity Rating of 10,000 kilowatt ("kW"), as further described in Exhibit B ("Facility"); and

Seller intends to operate the Facility as a "Qualifying Facility," as such term is defined in Section 3.1.3, below.

Seller shall sell and PGE shall purchase the entire Net Output, as such term is defined in Section 1.19, below, from the Facility in accordance with the terms and conditions of this Agreement.

AGREEMENT

NOW, THEREFORE, the Parties mutually agree as follows:

SECTION 1: DEFINITIONS

When used in this Agreement, the following terms shall have the following meanings:

1.1. "As-built Supplement" means the supplement to Exhibit B provided by Seller in accordance with Section 4.4 following completion of construction of the Facility, describing the Facility as actually built.

1.2. "Billing Period" means from the start of the first day of each calendar month to the end of the last day of each calendar month.

1.3. "Cash Escrow" means an agreement by two parties to place money into the custody of a third party for delivery to a grantee only after the fulfillment of the conditions specified.

1.4. "Commercial Operation Date" means the date that the Facility is deemed by PGE to be fully operational and reliable. PGE may, at its discretion require, among other things, that all of the following events have occurred:

1.4.1. (facilities with nameplate under 500 kW exempt from following requirement) PGE has received a certificate addressed to PGE from a Licensed Professional Engineer ("LPE") acceptable to PGE in its reasonable judgment stating that the Facility is able to generate electric power reliably in amounts required by this

Agreement and in accordance with all other terms and conditions of this Agreement (certifications required under this Section 1.4 can be provided by one or more LPEs);

1.4.2. Start-Up Testing of the Facility has been completed in accordance with Section 1.29;

1.4.3. (facilities with nameplate under 500 kW exempt from following requirement) After PGE has received notice of completion of Start-Up Testing, PGE has received a certificate addressed to PGE from an LPE stating that the Facility has operated for testing purposes under this Agreement uninterrupted for a Test Period at a rate in kW of at least 75 percent of average annual Net Output divided by 8,760 based upon any sixty (60) minute period for the entire testing period. The Facility must provide ten (10) working days written notice to PGE prior to the start of the initial testing period. If the operation of the Facility is interrupted during this initial testing period or any subsequent testing period, the Facility shall promptly start a new Test Period and provide PGE forty-eight (48) hours written notice prior to the start of such testing period;

1.4.4. (facilities with nameplate under 500 kW exempt from following requirement) PGE has received a certificate addressed to PGE from an LPE stating that all required interconnection facilities have been constructed and all required interconnection tests have been completed;

1.4.5. (facilities with nameplate under 500 kW exempt from following requirement) PGE has received a certificate addressed to PGE from an LPE stating that Seller has obtained all Required Facility Documents and, if requested by PGE in writing, has provided copies of any or all such requested Required Facility Documents;

1.4.6. PGE has received a copy of the executed Generation Interconnection and Transmission Agreements.

1.5. "Contract Price" means the applicable price, including on-peak and offpeak prices, as specified in the Schedule.

1.6. "Contract Year" means each twelve (12) month period commencing upon the Commercial Operation Date or its anniversary during the Term, except the final contract year will be the period from the last anniversary of the Commercial Operation Date during the Term until the end of the Term.

1.7. "Effective Date" has the meaning set forth in Section 2.1.

1.8. "Environmental Attributes" shall mean any and all claims, credits, benefits, emissions reductions, offsets, and allowances, howsoever entitled, resulting from the avoidance of the emission of any gas, chemical or other substance to the air, soil or water. Environmental Attributes include but are not limited to: (1) any avoided emissions of pollutants to the air, soil or water such as (subject to the foregoing) sulfur oxides (SOx), nitrogen oxides (NOx), carbon monoxide (CO), and other pollutants; and (2) any avoided emissions of carbon dioxide (CO2), methane (CH4), and other greenhouse gasses (GHGs) that have been determined by the United Nations Intergovernmental Panel on Climate Change to contribute to the actual or potential threat of altering the Earth's climate by trapping heat in the atmosphere.

1.9. "Facility" has the meaning set forth in the Recitals.

1.10. "Forward Replacement Price" means the price at which PGE, acting in a commercially reasonable manner, purchases for delivery at the Point of Delivery a replacement for any Net Output that Seller is required to deliver under this Agreement plus (i) costs reasonably incurred by PGE in purchasing such replacement Net Output, and (ii) additional transmission charges, if any, reasonably incurred by PGE in causing replacement energy to be delivered to the Point of Delivery. If PGE elects not to make such a purchase, costs of purchasing replacement Net Output shall be Mid-C Index Price for such energy not delivered, plus any additional cost or expense incurred as a result of Seller's failure to deliver, as determined by PGE in a commercially reasonable manner (but not including any penalties, ratcheted demand or similar charges).

1.11. "Generation Interconnection Agreement" means an agreement governing the interconnection of the Facility with Tillamook People's Utility District electric system.

1.12. "Letter of Credit" means an engagement by a bank or other person made at the request of a customer that the issuer will honor drafts or other demands for payment upon compliance with the conditions specified in the letter of credit.

1.13. "Licensed Professional Engineer" or "LPE" means a person who is licensed to practice engineering in the state where the Facility is located, who has no economic relationship, association, or nexus with the Seller, and who is not a representative of a consulting engineer, contractor, designer or other individual involved in the development of the Facility, or of a manufacturer or supplier of any equipment installed in the Facility. Such Licensed Professional Engineer shall be licensed in an appropriate engineering discipline for the required certification being made and be acceptable to PGE in its reasonable judgment.

1.14. "Lost Energy Value" means for a Contract Year: zero plus any reasonable costs incurred by PGE to purchase replacement power and/or transmission to deliver the replacement power to the Point of Delivery, unless the Contract Year's Net Output is less than the Minimum Net Output and the Contract Year's time-weighted average of the Mid-C Index Price for On-Peak and Off-Peak Hours is greater than the time-weighted average of the Contract Price for On-Peak and Off-Peak Hours for that Contract Year, in which case Lost Energy Value equals: (Minimum Net Output - Net Output for the Contract Year) X (the lower of: the time-weighted average of the Contract Year) X (the lower of: the time-weighted average of the Mid-C Index Price for On-Peak and Off-Peak Hours; or the time-weighted average of the Contract Price for On-Peak and Off-Peak Hours – the time-weighted average of the Contract Price for On-Peak and Off-Peak Hours) minus Transmission Curtailment Replacement Energy Cost, if any, for like period plus any reasonable costs incurred by PGE to purchase replacement power and/or transmission to deliver the replacement power to the Point of Delivery.

1.15. "Mid-C Index Price" means the Day Ahead Intercontinental Exchange ("ICE") index price for the bilateral OTC market for energy at the Mid-C Physical for Average On Peak Power and Average Off Peak Power found on the following website: <u>https://www.theice.com/products/OTC/Physical-Energy/Electricity</u>. In the event ICE no longer publishes this index, PGE and the Seller agree to select an alternative successor index representative of the Mid-C trading hub.

1.16. "Minimum Net Output" shall have the meaning provided in Section 4.2 of this Agreement.

1.17. "Nameplate Capacity Rating" means the maximum capacity of the Facility as stated by the manufacturer, expressed in kW, which shall not exceed 10,000 kW.

1.18. "Net Dependable Capacity" means the maximum capacity the Facility can sustain over a specified period modified for seasonal limitations, if any, and reduced by the capacity required for station service or auxiliaries.

1.19. "Net Output" means all energy expressed in kWhs produced by the Facility, less station and other onsite use and less transformation and transmission losses.

1.20. "Off-Peak Hours" has the meaning provided in the Schedule.

1.21. "On-Peak Hours" has the meaning provided in the Schedule.

1.22. "Point of Delivery" means the PGE System.

1.23. "Prime Rate" means the publicly announced prime rate or reference rate for commercial loans to large businesses with the highest credit rating in the United States in effect from time to time quoted by Citibank, N.A. If a Citibank, N.A. prime rate is not available, the applicable Prime Rate shall be the announced prime rate or reference rate for commercial loans in effect from time to time quoted by a bank with \$10 billion or more in assets in New York City, N.Y., selected by the Party to whom interest based on the prime rate is being paid.

1.24. "Prudent Electrical Practices" means those practices, methods, standards and acts engaged in or approved by a significant portion of the electric power industry in the Western Electricity Coordinating Council that at the relevant time period, in the exercise of reasonable judgment in light of the facts known or that should reasonably have been known at the time a decision was made, would have been expected to accomplish the desired result in a manner consistent with good business practices, reliability, economy, safety and expedition, and which practices, methods, standards and acts reflect due regard for operation and maintenance standards recommended by applicable equipment suppliers and manufacturers, operational limits, and all applicable laws and regulations. Prudent Electrical Practices are not intended to be limited to the optimum practice, method, standard or act to the exclusion of all others, but rather to those practices, methods and acts generally acceptable or approved by a significant portion of the electric power generation industry in the relevant region, during the relevant period, as described in the immediate preceding sentence.

1.25. "Required Facility Documents" means all licenses, permits, authorizations, and agreements necessary for construction, operation, interconnection, and maintenance of the Facility including without limitation those set forth in Exhibit C.

1.26. "RPS Attributes" means all attributes related to the Net Output generated by the Facility that are required in order to provide PGE with "qualifying electricity," as that term is defined in Oregon's Renewable Portfolio Standard Act, Ore. Rev. Stat. 469A.010, in effect at the time of execution of this Agreement. RPS Attributes do not include Environmental Attributes that are greenhouse gas offsets from methane capture not associated with the generation of electricity and not needed to ensure that there are zero net emissions associated with the generation of electricity.

1.27. "Schedule" shall mean PGE Schedule 201 filed with the Oregon Public Utilities Commission ("Commission") in effect on the Effective Date of this Agreement and attached hereto as Exhibit E, the terms of which are hereby incorporated by reference.

1.28. "Senior Lien" means a prior lien which has precedence as to the property under the lien over another lien or encumbrance.

1.29. "Start-Up Testing" means the completion of applicable required factory and start-up tests as set forth in Exhibit D.

1.30. "Step-in Rights" means the right of one party to assume an intervening position to satisfy all terms of an agreement in the event the other party fails to perform its obligations under the agreement.

1.31. "Term" shall mean the period beginning on the Effective Date and ending on the Termination Date.

1.32. "Test Period" shall mean a period of sixty (60) days or a commercially reasonable period determined by the Seller.

1.33. "Transmission Agreement" means an agreement executed by the Seller and the Transmission Provider(s) for Transmission Services.

1.34. "Transmission Curtailment" means a limitation on Seller's ability to deliver any portion of the scheduled energy to PGE due to the unavailability of transmission to the Point of Delivery (for any reason other than Force Majeure).

1.35. "Transmission Curtailment Replacement Energy Cost" means the greater of zero or the difference between Dow Jones Mid C Index Price – Contract Price X curtailed energy for periods of Transmission Curtailment.

1.36. "Transmission Provider(s)" means the signatory (other than the Seller) to the Transmission Agreement.

1.37. "Transmission Services" means any and all services (including but not limited to ancillary services and control area services) required for the firm transmission and delivery of Energy from the Facility to the Point of Delivery for a term not less than the Term of this Agreement.

References to Recitals, Sections, and Exhibits are to be the recitals, sections and exhibits of this Agreement.

SECTION 2: TERM; COMMERCIAL OPERATION DATE

2.1. This Agreement shall become effective upon execution by both Parties ("Effective Date").

2.2. Time is of the essence of this Agreement, and Seller's ability to meet certain requirements prior to the Commercial Operation Date and to complete all requirements to establish the Commercial Operation Date is critically important. Therefore,

2.2.1. By April 1, 2019 Seller shall begin initial deliveries of Net Output; and

2.2.2. By June 1, 2019 Seller shall have completed all requirements under Section 1.4 and shall have established the Commercial Operation Date.

2.2.3. Unless the Parties agree in writing that a later Commercial Operation Date is reasonable and necessary, the Commercial Operation Date shall be no more than three (3) years from the Effective Date. PGE will not unreasonably withhold agreement to a Commercial Operation Date that is more than three (3) years from the Effective date if the Seller has demonstrated that a later Commercial Operation Date is reasonable and necessary.

2.3. This Agreement shall terminate on May 31, 2034, or the date the Agreement is terminated in accordance with Section 8 or 11.2, whichever is earlier ("Termination Date").

SECTION 3: REPRESENTATIONS AND WARRANTIES

3.1. Seller and PGE represent, covenant, and warrant as follows:

3.1.1. Seller warrants it is a limited liability company duly organized under the laws of the state of Oregon.

3.1.2. Seller warrants that the execution and delivery of this Agreement does not contravene any provision of, or constitute a default under, any indenture, mortgage, or other material agreement binding on Seller or any valid order of any court, or any regulatory agency or other body having authority to which Seller is subject.

3.1.3. Seller warrants that the Facility is and shall for the Term of this Agreement continue to be a "Qualifying Facility" ("QF") as that term is defined in the version of 18 C.F.R. Part 292 in effect on the Effective Date. Seller has provided the appropriate QF certification, which may include a Federal Energy Regulatory Commission ("FERC") self-certification to PGE prior to PGE's execution of this Agreement. At any time during the Term of this Agreement, PGE may require Seller to provide PGE with evidence satisfactory to PGE in its reasonable discretion that the Facility continues to qualify as a QF under all applicable requirements.

3.1.4. Seller warrants that it has not within the past two (2) years been the debtor in any bankruptcy proceeding, and Seller is and will continue to be for the Term of this Agreement current on all of its financial obligations.

3.1.5. Seller warrants that during the Term of this Agreement, all of Seller's right, title and interest in and to the Facility shall be free and clear of all liens and encumbrances other than liens and encumbrances arising from third-party financing of the Facility other than workers', mechanics', suppliers' or similar liens, or tax liens, in each case arising in the ordinary course of business that are either not yet due and payable or that have been released by means of a performance bond acceptable to PGE posted within eight (8) calendar days of the commencement of any proceeding to foreclose the lien.

3.1.6. Seller warrants that it will design and operate the Facility consistent with Prudent Electrical Practices.

3.1.7. Seller warrants that the Facility has a Nameplate Capacity Rating not greater than 10,000 kW.

3.1.8. Seller warrants that Net Dependable Capacity of the Facility is 9,200 kW.

3.1.9. Seller estimates that the average annual Net Output to be delivered by the Facility to PGE is 74,393,000 kilowatt-hours ("kWh"), which amount PGE will include in its resource planning.

3.1.10. Seller will schedule and deliver from the Facility to PGE at the Point of Delivery Net Output not to exceed a maximum of 87,600,000 kWh of Net Output during each Contract Year ("Maximum Net Output"). The cost of delivering energy from the Facility to PGE is the sole responsibility of the Seller.

3.1.11. By the Commercial Operation Date, Seller has entered into a Generation Interconnection Agreement for a term not less than the term of this Agreement.

3.1.12. PGE warrants that it has not within the past two (2) years been the debtor in any bankruptcy proceeding, and PGE is and will continue to be for the Term of this Agreement current on all of its financial obligations.

3.1.13. Seller warrants that the Facility satisfies the eligibility requirements specified in the Definition of a Small Cogeneration Facility or Small Power Production Facility Eligible to Receive the Standard Renewable Rates and Standard Renewable PPA in PGE's Schedule and Seller will not make any changes in its ownership, control or management during the term of this Agreement that would cause it to not be in compliance with the Definition of a Small Cogeneration Facility or Small Power Production Facility Eligible to Receive the Standard Renewable Rates and Standard Renewable PPA in PGE's Schedule. Seller will provide, upon request by PGE not more frequently than every 36 months, such documentation and information as may be reasonably required to establish Seller's continued compliance with such Definition. PGE agrees to take reasonable steps to maintain the confidentiality of any portion of the above described documentation and information that the Seller identifies as confidential except PGE will provide all such confidential information to the Commission upon the Commission's request.

3.1.14. Seller warrants that it will comply with all requirements necessary for all Transferred RECs (as defined in Section 4.6) associated with Net Output to be issued, monitored, accounted for, and transferred by and through the Western Renewable Energy Generation System consistent with the provisions of OAR 330-160-0005 through OAR 330-160-0050. PGE warrants that it will reasonably cooperate in Seller's efforts to meet such requirements, including, for example serving as the qualified reporting entity for the Facility if the Facility is located in PGE's balancing authority.

SECTION 4: DELIVERY OF POWER, PRICE AND ENVIRONMENTAL ATTRIBUTES

4.1. Commencing on the Effective Date and continuing through the Term of this Agreement, Seller shall sell to PGE the entire Net Output from the Facility. Seller's Net Output shall be scheduled and delivered to PGE at the Point of Delivery in accordance with Section 4.5. PGE shall pay Seller the Contract Price for all scheduled and delivered Net Output.

4.2. Seller shall schedule and deliver to PGE from the Facility for each Contract Year Net Output equal to or greater than the Minimum Net Output (either (a) if Seller does not select the Alternative Minimum Amount as defined in Exhibit A of this Agreement, a minimum of seventy-five percent (75%) of its average annual Net Output or (b) if selected by Seller, the Alternative Minimum Amount), provided that such Minimum Net Output for the final Contract Year shall be reduced pro rata to reflect the Commercial Operation Date, and further provided that such Minimum Net Output shall be reduced on a pro-rata basis for any periods during a Contract Year that the Facility was prevented from generating electricity for reasons of Force Majeure.

4.3. Seller agrees that if Seller does not deliver the Minimum Net Output each Contract Year for reasons other than Transmission Curtailment, PGE will suffer losses equal to the Lost Energy Value. As damages for Seller's failure to deliver the Minimum Net Output (subject to adjustment for reasons of Force Majeure as provided in Section 4.2) in any Contract Year, notwithstanding any other provision of this Agreement the purchase price payable by PGE for future deliveries shall be reduced until Lost Energy Value is recovered. PGE and Seller shall work together in good faith to establish the period, in monthly amounts, of such reduction so as to avoid Seller's default on its commercial or financing agreements necessary for its continued operation of the Facility for QF Facilities sized at 100 kW or smaller, the provisions of this section shall not apply.

4.4. Upon completion of construction of the Facility, Seller shall provide PGE an As-built Supplement to specify the actual Facility as built. Seller shall not increase the Nameplate Capacity Rating above that specified in Exhibit B or increase the ability of the Facility to deliver Net Output in quantities in excess of the Net Dependable Capacity, or the Maximum Net Output as described in Section 3.1.10 above, through any means including, but not limited to, replacement, modification, or addition of existing equipment, except with prior written notice to PGE. In the event Seller increases the Nameplate Capacity Rating of the Facility to no more than 10,000 kW pursuant to this section, PGE shall pay the Contract Price for the additional delivered Net Output. In the event Seller increases the Nameplate Capacity Rating of the Facility to greater than 10,000 kW, then Seller shall be required to enter into a new power purchase agreement for all delivered Net Output proportionally related to the increase of Nameplate Capacity above 10,000 kW.

4.5. Seller shall provide preschedules for all deliveries of energy hereunder, including identification of receiving and generating control areas, by 9:00:00 PPT on the last business day prior to the scheduled date of delivery. All energy shall be scheduled according to the most current North America Energy Reliability Corporation (NERC) and Western Electricity Coordinating Council (WECC) scheduling rules and practices. The respective representatives shall maintain hourly real-time schedule Parties' coordination; provided, however, that in the absence of such coordination, the hourly schedule established by the exchange of preschedules shall be considered final. Seller and PGE shall maintain records of hourly energy schedules for accounting and operating purposes. The final E-Tag shall be the controlling evidence of the Parties' schedule. All energy shall be prescheduled according to customer WECC scheduling practices. Seller shall make commercially reasonable efforts to schedule in any hour an amount equal to its expected Net Output for such hour. Seller shall maintain a minimum of two years records of Net Output and shall agree to allow PGE to have access to such records and to imbalance information kept by the Transmission Provider.

During the Renewable Resource Deficiency Period, Seller shall provide 4.6. and PGE shall acquire the RPS Attributes for the Contract Years as specified in the Schedule and Seller shall retain ownership of all other Environmental Attributes (if any). During the Renewable Resource Sufficiency Period, and any period within the Term of this Agreement after completion of the first fifteen (15) years after the Commercial Operation Date, Seller shall retain all Environmental Attributes in accordance with the Schedule. The Contract Price includes full payment for the Net Output and any RPS Attributes transferred to PGE under this Agreement. With respect to Environmental Attributes not transferred to PGE under this Agreement ("Seller-Retained Environmental Attributes") Seller may report under §1605(b) of the Energy Policy Act of 1992 or under any applicable program as belonging to Seller any of the Seller-Retained Environmental Attributes, and PGE shall not report under such program that such Seller-Retained Environmental Attributes belong to it. With respect to RPS Attributes transferred to PGE under this Agreement ("Transferred RECs"), PGE may report under §1605(b) of the Energy Policy Act of 1992 or under any applicable program as belonging to it any of the Transferred RECs, and Seller shall not report under such program that such Transferred RECs belong to it.

SECTION 5: OPERATION AND CONTROL

5.1. Seller shall operate and maintain the Facility in a safe manner in accordance with the Generation Interconnection Agreement, and Prudent Electrical Practices. PGE shall have no obligation to purchase Net Output from the Facility to the extent the interconnection of the Facility or transmission to PGE's electric system is curtailed, disconnected, suspended or interrupted, in whole or in part. Seller is solely

responsible for the operation and maintenance of the Facility. PGE shall not, by reason of its decision to inspect or not to inspect the Facility, or by any action or inaction taken with respect to any such inspection, assume or be held responsible for any liability or occurrence arising from the operation and maintenance by Seller of the Facility.

5.2. Seller agrees to provide sixty (60) days advance written notice of any scheduled maintenance that would require shut down of the Facility for any period of time.

5.3. If the Facility ceases operation for unscheduled maintenance, Seller immediately shall notify PGE of the necessity of such unscheduled maintenance that could affect the generation, scheduling or delivery of energy to PGE, the time when such maintenance has occurred or will occur, and the anticipated duration of such maintenance. Seller shall take all reasonable measures and exercise its best efforts to avoid unscheduled maintenance, to limit the duration of such unscheduled maintenance, and to perform unscheduled maintenance during Off-Peak hours.

SECTION 6: CREDITWORTHINESS

In the event Seller: a) is unable to represent or warrant as required by Section 3 that it has not been a debtor in any bankruptcy proceeding within the past two (2) years; b) becomes such a debtor during the Term; or c) is not or will not be current on all its financial obligations, Seller shall immediately notify PGE and shall promptly (and in no less than ten (10) days after notifying PGE) provide default security in an amount reasonably acceptable to PGE in one of the following forms: Senior Lien, Step in Rights, a Cash Escrow or Letter of Credit. The amount of such default security that shall be acceptable to PGE shall be equal to: (annual On Peak Hours) X (On Peak Price – Off Peak Price) X (Minimum Net Output / 8760). Notwithstanding the foregoing, in the event Seller is not current on construction related financial obligations, Seller shall notify PGE of such delinquency and PGE may, in its discretion, grant an exception to the requirements to provide default security if the QF has negotiated financial arrangements with the construction loan lender that mitigate Seller's financial risk to PGE.

SECTION 7: BILLINGS, COMPUTATIONS AND PAYMENTS

7.1. On or before the thirtieth (30th) day following the end of each Billing Period, PGE shall send to Seller payment for Seller's deliveries of Net Output to PGE, together with computations supporting such payment. PGE may offset any such payment to reflect amounts owing from Seller to PGE pursuant to this Agreement and any other agreement related to the Facility between the Parties or otherwise.

7.2. Any amounts owing after the due date thereof shall bear interest at the Prime Rate plus two percent (2%) from the date due until paid; provided, however, that the interest rate shall at no time exceed the maximum rate allowed by applicable law.

SECTION 8: DEFAULT, REMEDIES AND TERMINATION

8.1. In addition to any other event that may constitute a default under this Agreement, the following events shall constitute defaults under this Agreement:

8.1.1. Breach by Seller or PGE of a representation or warranty, except for Section 3.1.4, set forth in this Agreement.

8.1.2. Seller's failure to provide default security, if required by Section 6, prior to delivery of any Net Output to PGE or within ten (10) days of notice.

8.1.3. Seller's failure to deliver the Minimum Net Output for two consecutive Contract Years.

8.1.4. If Seller is no longer a Qualifying Facility.

8.1.5. Failure of PGE to make any required payment pursuant to Section 7.1.

8.1.6. Seller's failure to meet the Commercial Operation Date.

8.2. In the event of a default under Section 8.1.6, PGE may provide Seller with written notice of default. Seller shall have one year in which to cure the default during which time the Seller shall pay PGE damages equal to the Lost Energy Value. If Seller is unable to cure the default, PGE may immediately terminate this Agreement as provided in Section 8.3. PGE's resource sufficiency/deficiency position shall have no bearing on PGE's right to terminate the Agreement under this Section 8.2

8.3. In the event of a default hereunder, the non-defaulting party may immediately terminate this Agreement at its sole discretion by delivering written notice to the other Party, and, except for damages related to a default pursuant to Section 8.1.3, by a QF sized at 100 kW or smaller, may pursue any and all legal or equitable remedies provided by law or pursuant to this Agreement including damages related to the need to procure replacement power. Such termination shall be effective upon the date of delivery of notice, as provided in Section 20.1. The rights provided in this Section 8 are cumulative such that the exercise of one or more rights shall not constitute a waiver of any other rights.

8.4. If this Agreement is terminated as provided in this Section 8, PGE shall make all payments, within thirty (30) days, that, pursuant to the terms of this Agreement, are owed to Seller as of the time of receipt of notice of default. PGE shall not be required to pay Seller for any Net Output delivered by Seller after such notice of default.

8.5. If this Agreement is terminated as a result of Seller's default, Seller shall pay PGE the positive difference, if any, obtained by subtracting the Contract Price from the sum of the Forward Replacement Price for the Minimum Net Output that Seller was otherwise obligated to provide for a period of twenty-four (24) months from the date of termination plus any cost incurred for transmission purchased by PGE to deliver the replacement power to the Point of Delivery and the estimated administrative cost to the utility to acquire replacement power. Accounts owed by Seller pursuant to this paragraph shall be due within five (5) business days after any invoice from PGE for the same.

8.6. In the event PGE terminates this Agreement pursuant to this Section 8, and Seller wishes to again sell Net Output to PGE following such termination, PGE in its sole discretion may require that Seller shall do so subject to the terms of this

Agreement, including but not limited to the Contract Price until the Term of this Agreement (as set forth in Section 2.3) would have run in due course had the Agreement remained in effect. At such time Seller and PGE agree to execute a written document ratifying the terms of this Agreement.

8.7. Sections 8.1, 8.4, 8.5, 8.6, 10, and 19.2 shall survive termination of this Agreement.

SECTION 9: TRANSMISSION CURTAILMENTS

9.1. Seller shall give PGE notice as soon as reasonably practicable of any Transmission Curtailment that is likely to affect Seller's ability to deliver any portion of energy scheduled pursuant to Sections 4.5 of this Agreement.

9.2. If as the result of a Transmission Curtailment, Seller does not deliver any portion of energy (including real-time adjustments), scheduled pursuant to Section 4.5 of this Agreement, Seller shall pay PGE the Transmission Curtailment Replacement Energy Cost for the number of MWh of energy reasonably determined by PGE as the difference between (i) the scheduled energy that would have been delivered to PGE under this Agreement during the period of Transmission Curtailment and (ii) the actual energy, if any, that was delivered to PGE for the period.

SECTION 10: INDEMNIFICATION AND LIABILITY

10.1. Seller agrees to defend, indemnify and hold harmless PGE, its directors, officers, agents, and representatives against and from any and all loss, claims, actions or suits, including costs and attorney's fees, both at trial and on appeal, resulting from, or arising out of or in any way connected with Seller's delivery of electric power to PGE or with the facilities at or prior to the Point of Delivery, or otherwise arising out of this Agreement, including without limitation any loss, claim, action or suit, for or on account of injury, bodily or otherwise, to, or death of, persons, or for damage to, or destruction or economic loss of property belonging to PGE, Seller or others, excepting to the extent such loss, claim, action or suit may be caused by the negligence of PGE, its directors, officers, employees, agents or representatives.

10.2. PGE agrees to defend, indemnify and hold harmless Seller, its directors, officers, agents, and representatives against and from any and all loss, claims, actions or suits, including costs and attorney's fees, both at trial and on appeal, resulting from, or arising out of or in any way connected with PGE's receipt of electric power from Seller or with the facilities at or after the Point of Delivery, or otherwise arising out of this Agreement, including without limitation any loss, claim, action or suit, for or on account of injury, bodily or otherwise, to, or death of, persons, or for damage to, or destruction or economic loss of property belonging to PGE, Seller or others, excepting to the extent such loss, claim, action or suit may be caused by the negligence of Seller, its directors, officers, employees, agents or representatives.

10.3. Nothing in this Agreement shall be construed to create any duty to, any standard of care with reference to, or any liability to any person not a Party to this

Agreement. No undertaking by one Party to the other under any provision of this Agreement shall constitute the dedication of that Party's system or any portion thereof to the other Party or to the public, nor affect the status of PGE as an independent public utility corporation or Seller as an independent individual or entity.

10.4. NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR SPECIAL, PUNITIVE, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING FROM CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE.

SECTION 11: INSURANCE

11.1. Prior to the connection of the Facility to PGE's electric system, provided such Facility has a design capacity of 200 kW or more, Seller shall secure and continuously carry for the Term hereof, with an insurance company or companies rated not lower than "B+" by the A. M. Best Company, insurance policies for bodily injury and property damage liability. Such insurance shall include provisions or endorsements naming PGE, it directors, officers and employees as additional insureds; provisions that such insurance is primary insurance with respect to the interest of PGE and that any insurance or self insurance maintained by PGE is excess and not contributory insurance with the insurance required hereunder; a cross-liability or severability of insurance interest clause; and provisions that such policies shall not be canceled or their limits of liability reduced without thirty (30) days' prior written notice to PGE. Initial limits of liability for all requirements under this section shall be \$1,000,000 million single limit, which limits may be required to be increased or decreased by PGE as PGE determines in its reasonable judgment economic conditions or claims experience may warrant.

11.2. Prior to the connection of the Facility to PGE's electric system, provided such facility has a design capacity of 200 kW or more, Seller shall secure and continuously carry for the Term hereof, in an insurance company or companies rated not lower than "B+" by the A. M. Best Company, insurance acceptable to PGE against property damage or destruction in an amount not less than the cost of replacement of the Facility. Seller promptly shall notify PGE of any loss or damage to the Facility. Unless the Parties agree otherwise, Seller shall repair or replace the damaged or destroyed Facility, or if the facility is destroyed or substantially destroyed, it may terminate this Agreement. Such termination shall be effective upon receipt by PGE of written notice from Seller. Seller shall waive its insurers' rights of subrogation against PGE regarding Facility property losses.

11.3. Prior to the connection of the Facility to PGE's electric system and at all other times such insurance policies are renewed or changed, Seller shall provide PGE with a copy of each insurance policy required under this Section, certified as a true copy by an authorized representative of the issuing insurance company or, at the discretion of PGE, in lieu thereof, a certificate in a form satisfactory to PGE certifying the issuance of such insurance. If Seller fails to provide PGE with copies of such currently effective insurance policies or certificates of insurance, PGE at its sole discretion and without limitation of other remedies, may upon ten (10) days advance written notice by certified

or registered mail to Seller either withhold payments due Seller until PGE has received such documents, or purchase the satisfactory insurance and offset the cost of obtaining such insurance from subsequent power purchase payments under this Agreement.

SECTION 12: FORCE MAJEURE

12.1. As used in this Agreement, "Force Majeure" or "an event of Force Majeure" means any cause beyond the reasonable control of the Seller or of PGE which, despite the exercise of due diligence, such Party is unable to prevent or overcome. By way of example, Force Majeure may include but is not limited to acts of God, fire, flood, storms, wars, hostilities, civil strife, strikes, and other labor disturbances, earthquakes, fires, lightning, epidemics, sabotage, restraint by court order or other delay or failure in the performance as a result of any action or inaction on behalf of a public authority which by the exercise of reasonable foresight such Party could not reasonably have been expected to avoid and by the exercise of due diligence, it shall be unable to overcome, subject, in each case, to the requirements of the first sentence of this paragraph. Force Majeure, however, specifically excludes Transmission Curtailment, the cost or availability of resources to operate the Facility, changes in market conditions that affect the price of energy or transmission, wind or water droughts, and obligations for the payment of money when due.

12.2. If either Party is rendered wholly or in part unable to perform its obligation under this Agreement because of an event of Force Majeure, that Party shall be excused from whatever performance is affected by the event of Force Majeure to the extent and for the duration of the Force Majeure, after which such Party shall recommence performance of such obligation, provided that:

12.2.1. the non-performing Party, shall, promptly, but in any case within one (1) week after the occurrence of the Force Majeure, give the other Party written notice describing the particulars of the occurrence; and

12.2.2. the suspension of performance shall be of no greater scope and of no longer duration than is required by the Force Majeure; and

12.2.3. the non-performing Party uses its best efforts to remedy its inability to perform its obligations under this Agreement.

12.3. No obligations of either Party which arose before the Force Majeure causing the suspension of performance shall be excused as a result of the Force Majeure.

12.4. Neither Party shall be required to settle any strike, walkout, lockout or other labor dispute on terms which, in the sole judgment of the Party involved in the dispute, are contrary to the Party's best interests.

SECTION 13: SEVERAL OBLIGATIONS

Nothing contained in this Agreement shall ever be construed to create an association, trust, partnership or joint venture or to impose a trust or partnership duty,

obligation or liability between the Parties. If Seller includes two or more parties, each such party shall be jointly and severally liable for Seller's obligations under this Agreement.

SECTION 14: CHOICE OF LAW

This Agreement shall be interpreted and enforced in accordance with the laws of the state of Oregon, excluding any choice of law rules which may direct the application of the laws of another jurisdiction.

SECTION 15: PARTIAL INVALIDITY AND PURPA REPEAL

It is not the intention of the Parties to violate any laws governing the subject matter of this Agreement. If any of the terms of the Agreement are finally held or determined to be invalid, illegal or void as being contrary to any applicable law or public policy, all other terms of the Agreement shall remain in effect. If any terms are finally held or determined to be invalid, illegal or void, the Parties shall enter into negotiations concerning the terms affected by such decision for the purpose of achieving conformity with requirements of any applicable law and the intent of the Parties to this Agreement.

In the event the Public Utility Regulatory Policies Act (PURPA) is repealed, this Agreement shall not terminate prior to the Termination Date, unless such termination is mandated by state of federal law.

SECTION 16: WAIVER

Any waiver at any time by either Party of its rights with respect to a default under this Agreement or with respect to any other matters arising in connection with this Agreement must be in writing, and such waiver shall not be deemed a waiver with respect to any subsequent default or other matter.

SECTION 17: GOVERNMENTAL JURISDICTION AND AUTHORIZATIONS

This Agreement is subject to the jurisdiction of those governmental agencies having control over either Party or this Agreement. Seller shall at all times maintain in effect all local, state and federal licenses, permits and other approvals as then may be required by law for the construction, operation and maintenance of the Facility, and shall provide upon request copies of the same to PGE.

SECTION 18: SUCCESSORS AND ASSIGNS

This Agreement and all of the terms hereof shall be binding upon and inure to the benefit of the respective successors and assigns of the Parties. No assignment hereof by either Party shall become effective without the written consent of the other Party being first obtained and such consent shall not be unreasonably withheld. Notwithstanding the foregoing, either Party may assign this Agreement without the other Party's consent as part of (a) a sale of all or substantially all of the assigning Party's assets, or (b) a merger, consolidation or other reorganization of the assigning Party.

SECTION 19: ENTIRE AGREEMENT

19.1. This Agreement supersedes all prior agreements, proposals, representations, negotiations, discussions or letters, whether oral or in writing, regarding PGE's purchase of Net Output from the Facility. No modification of this Agreement shall be effective unless it is in writing and signed by both Parties.

19.2. By executing this Agreement, Seller releases PGE from any third party claims related to the Facility, known or unknown, which may have arisen prior to the Effective Date.

SECTION 20: NOTICES

20.1. All notices except as otherwise provided in this Agreement shall be in writing, shall be directed as follows and shall be considered delivered if delivered in person or when deposited in the U.S. Mail, postage prepaid by certified or registered mail and return receipt requested:

To Seller:	Energy Partners I, LLC Attn: Jason B. Joner
	2525 West Firestone Lane
	Vancouver, Washington 98660
with a copy to:	Kenneth E. Kaufmann
	Attorney at Law
	1785 Willamette Falls Drive, Suite 5
	West Linn, Oregon 97068
To PGE:	Contracts Manager
	QF Contracts, 3WTC0306
	PGE - 121 SW Salmon St.
	Portland, Oregon 97204

20.2. The Parties may change the person to whom such notices are addressed, or their addresses, by providing written notices thereof in accordance with this Section 20.

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IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed in their respective names as of the Effective Date.

PGE

By: Name: Maria M. Pope Title: SRVP Power Supply & **Operations & Resource Strategy** Date: June 21, 2016

Approved : W? Business Terms Credit Legal Risk Mgt.

ENERGY PARTNERS I, LLC By: Name Title: Manager ONP Date: 016 VUN

EXHIBIT A MINIMUM NET OUTPUT

In this Exhibit, Seller may designate an alternative Minimum Net Output to seventy-five (75%) percent of annual average Net Output specified in Section 3.1.9 of the Agreement ("Alternative Minimum Amount"). Such Alternative Minimum Amount, if provided, shall exceed zero, and shall be established in accordance with Prudent Electrical Practices and documentation supporting such a determination shall be provided to PGE upon execution of the Agreement. Such documentation shall be commercially reasonable, and may include, but is not limited to, documents used in financing the project, and data on output of similar projects operated by seller, PGE or others.

EXHIBIT B DESCRIPTION OF SELLER'S FACILITY

A biomass cogeneration system consisting of a Wellons 150,000 pounds per hour (PPH) wood-fired boiler that will provide steam to a Siemens extraction-condensing turbine-generator with a nominal rating of 10,000 kW. Two feedwater pumps are provided, one for standby. Steam will be extracted for lumber drying, with condensate return to the system. GPS coordinates: 123.833 W, 45.450 N.

Υ.

Exhibit B

LEASE OPTION AGREEMENT

This LEASE OPTION AGREEMENT (this "Option Agreement") is made and entered into effective as of April 29, 2016 (the "Effective Date"), and is made by and between HAMPTON LUMBER MILLS, INC., an Oregon corporation ("Grantor"), and ENERGY PARTNERS I, LLC, an Oregon limited liability company ("Grantee"). Grantor and Grantee are sometimes individually referred to herein as a "Party" and collectively as "Parties".

RECITALS

WHEREAS, Grantor is the owner of certain real property upon which it operates a sawmill in Tillamook County, Oregon, and commonly known 3111 Third Street, Tillamook, Oregon 97141 (the "Property").

WHEREAS, Grantee desires to develop, install and operate an approximately 10 megawatt biomass cogeneration facility on a portion of the Property.

WHEREAS, Grantor desires to grant to Grantee the option to lease a portion of the Property upon the terms and conditions set forth in this Agreement for Grantee's use as a biomass cogeneration facility.

NOW, THEREFORE, in consideration of the foregoing premises and other good and valuable consideration, the receipt and adequacy of which is acknowledged, the Parties agree as follows:

AGREEMENT

1. Grant of Option. Grantor grants to Grantee an option (the "Option") to lease the real property described in <u>Exhibit A</u> attached hereto, consisting of approximately 14,402 square feet, more or less (the "Option Land").

2. Option Term. The term of Option shall run from the Effective Date and shall end on April 29, 2018 (the "Option Term"), or until otherwise terminated as set forth in this Option Agreement.

3. Exercise of Option. Grantee may, at any time within the Option Term, exercise this Option by giving Grantor sixty (60) days advance written notice of its intent to lease the Option Land. Such notice shall include a proposed lease agreement for the Option Land (the "Lease Agreement"). Within the sixty (60) day notice period, Grantor and Grantee will make good faith efforts to negotiate the terms and conditions of the Lease Agreement acceptable to the Parties in each of their sole and absolute discretion.

4. Termination. Either Party may terminate this Option Agreement at any time by providing the other Party with thirty (30) days' advance written notice. In the event that this Option Agreement is terminated for any reason, or if the Parties are unable to successfully negotiate the Lease Agreement for any reason, no Party shall be liable to the other Party for any

LEASE OPTION AGREEMENT - 1

Exhibit B

damages or liability, consequential or otherwise, arising out of the termination of this Option Agreement.

5. Effect of Option. This Option Agreement is an agreement to enter into a lease, and not a covenant that runs with the land. This Option Agreement does not grant any right to Grantee to enter upon or use the Option Land, or any other rights to Grantee not expressly set forth in this Option Agreement. Grantee shall not record or cause this Option Agreement or a memorandum of this option to be recorded against the Option Land.

6. Assignability. This Option Agreement is not assignable by either Party.

7. Notices. All notices under this Option Agreement shall be in writing and delivered by overnight mail from a national carrier and delivered as follows:

If to Grantor:

Hampton Lumber Mills, Inc. Attn: Steven J. Zika 9600 Southwest Barnes Road Suite 200 Portland, Oregon 97225 If to Grantee:

Energy Partners I, LLC Attn: Jason B. Joner c/o Wellons Group, Inc. 2525 West Firestone Lane Vancouver, Washington 98660

8. Dispute Resolution; Governing Law; Venue. This Option Agreement shall be governed by the laws of the State of Oregon, without regard to conflict of law provisions. The Parties consent to venue and jurisdiction in the state courts for the State of Oregon.

IN WITNESS WHEREOF, the Parties have executed this Option Agreement effective as of the Effective Date.

GRANTOR:

HAMPTON LUMBER MILLS, INC., an Oregon corporation

By:

Name: Steven J. Zika Title: President & CEO GRANTEE:

ENERGY PARTNERS I, LLC, an Oregon limited liability company

imen By:

Name Jason B, Joner Title: Manager

LEASE OPTION AGREEMENT-2





(360) 750-3500 FAX (360) 750-3400

www.Wellons.com Sales@Wellons.com

Kenneth T. Kinsley, P.E.

Subject:	Preliminary Generator Technical Data
File:	Energy Partners I, LLC
To:	Jason B. Joner
Date:	June 20, 2016

As requested, below is the preliminary generator technical data for Energy Partners I as requested in order to provide PGE. Please let me know if you have any further questions or require additional information.

GENERATOR DESCRIPTION

- VOLTAGE = 13,800V
- FREQUENCY = 60HZ
- POWER FACTOR = 0.85
- SPEED = 1800 RPM
- OUTPUT = 10,000KVA
- EXCITATION = Brushless w/ automatic voltage regulator & pilot exciter
- COOLING = TEWAC (totally enclosed water to air cooled)
- GENERATOR COOLING WATER TEMPERATURE FOR RATED OUTPUT = 33 Deg C (91 Deg F).
- AMBIENT TEMPERATURE FOR GENERATOR RATING = 50 Deg C (122 Deg F)
- GENERATOR INSULATION CLASS = 155 Deg F.

ADDITIONAL INFORMATION

- STATION POWER: Considering the equipment scope involved, station load has been estimated at 750KW
- TRANSFORMER LOSSES: transformer losses in the main step-up transformer have been estimated at 50KW

Headquarters:

VANCOUVER, WA

Offices:

Columbia, SC

Grants Pass, OR

New Bern, NC





SST-300 Industrial Steam Turbines Up to 50 MW

The SST-300 is a single-casing steam turbine, providing geared drive to a 1,500 or 1,800 rpm generator. It has a compact and flexible design with a high degree of standardization.



The SST-300 generator drive is used in the following processes and applications:

- Steam turbine plants and combined-cycle power plants
- Cogeneration and district heating
- Waste incinerators, waste-fired power plants and biomass plants
- Plants using the waste heat from chemical processes for power generation

In residential, commercial, municipal and industrial power generation, e.g. captive power plants for the chemical and petrochemical industry, for refineries, pulp and paper mills, steelworks and mines, sugar industry, textile industry and others. In special cases, it can also be used as a mechanical drive.



Industrial Steam Turbines

Answers for energy.

SIEMENS

Design features

The SST-300 is a standardized single-casing geared steam turbine with customized reaction blading. It is used for both condensing and back-pressure applications with internally controlled extraction and scope for multiple bleeds. The modular package design with pre-engineered turbine modules and modular peripherals allows a wide variety of configurations to satisfy individual needs with maximum economy.

Modular package concept for the SST-300



Standard modules:

- Turbine casing
- Exhaust
- Gearbox
- Generator
- Base frame

Customized modules:

Steam path (reaction blading)

Optional:

- Skid package with separate oil tank
- Double extraction

Turbine casing:

The single-body turbine with horizontal split has nearly symmetrical casing, which allows short start-up times and quick load changes. The design of all supports for labyrinths and blade carriers allows steam path flexibility and adjustment to individual steam parameters. Internal valve arrangements or adaptive stages control the steam flow to the back end of the turbine and are used to maintain constant process-steam extraction pressures over a wide flow range. The utilization of selected proven components assures high reliability and easy maintenance.

Rotor and blading:

The SST-300 rotor is fitted with resonance-proof blading. The blading design guarantees high efficiency over the whole operation range, including rapid changes of load for smooth plant operation. The reliability of the blading is achieved primarily through a low total stress load on the blades.

Gearbox:

The reduction gears are taken from the existing range of world-class gear manufacturers and have proven high reliability and performance.

Base frame:

SST-300 turbines are delivered as packaged units. The components of the turboset are installed on a common base frame, including the complete oil system. The oil tank is inside the base frame. All instrumentation is pre-wired to junction boxes located at the front of the frame. The number of external connections is reduced to the minimum; all connections (piping, wiring, etc.) are clearly defined.

The SST-300 base-frame packaged unit can either be placed on a simple ground-level concrete block foundation or on an elevated foundation. It can be placed on an existing foundation or be elevated on simple concrete or steel columns on spring packages (a concrete foundation upper desk is not required if the base frame is placed on springs).

Exhaust:

The SST-300 range can be equipped with upward, downward or axial exhaust orientation to fit in with the selected installation arrangement.

Technical data





Back pressure / condensing type Compact package unit design for minimal space requirements Modular design, extensive pre-design Customized steam path Proven, thermoflexible design

Technical data

- Power output up to 50 MW
- Speed up to 12,000 rpm Live steam conditions
- Pressure up to 120 bar/1,740 psi Temperature up to 520°C/968°F
- Bleed: Pressure up to 60 bar/870 psi
- Controlled extraction (single or double) Pressure up to 45 bar/655 psi Temperature up to 400°C/750°F
- Exhaust steam pressure Back pressure up to 16 bar/232 psi District heating up to 3 bar/43 psi Condensing up to 0.3 bar/4.4 psi

(All data are approximate and project-related.)

maintenance

High efficiency Low civil cost

operation

Fast and early layout planning

Easy access to mechanical

Remote control for simple

High reliability and availability

components facilitates

Benefits



(2) 34 Steam turb ne Speed reduction gear Generator Base frame G Condenser O Noise hooc TH Typical dimensions Length 21 m/69 ft Cross-sectional view of an SST-300 steam turbine Width 11.5 m/38ft Height 7.5 m/24ft 11]

Typical plant layout for turboset with an SST-300 steam turbine

Modular layout and compact design

Installation and maintenance

Our proven installation and maintenance concept lowers maintenance cost by enabling easy access to the installed components – the turbine, gearbox, generator and auxiliaries.

As all SST-300 turbines are prepared for remote monitoring, Siemens offers service contracts for condition-based maintenance, customized for the specific operating status of each machine to reduce outage and overhaul costs. Using the remote monitoring technology, customers are able to get fast telephone advice and secure remote support, online help, advanced troubleshooting and intervention, provided by specialist personnel who know the plant's design and understand its operation.

Additionally, we offer comprehensive spare-part service, repairs and maintenance solutions designed to increase the reliability and availability of the plant. Our retrofit solutions return turbines to the state of the art even after a normal operating life. Longterm maintenance contracts assure prolonged plant operation at predefined costs.

Our service solutions are based on long experience of taking care of a substantial global fleet. This experience is incorporated systematically into our design and manufacturing as well as our service and maintenance practice, making Siemens a reliable partner now and in the future.



SST-300: 26 MW back pressure turbine for a sugar and ethanol plant in Brazil

Reference examples

The SST-300 has been sold for a rich variety of applications around the world. The following references exemplify this versatility of application.



Mielec, Poland: 21 MW extraction condensing turboset in a coal-fired cogeneration plant of the Polish IPP Elektrociepłownia Mielec



Ceske Budejovice, Czech Republic: 29 MW back-pressure turbine for district heating plant

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Siemens AG, Energy Sector Oil & Gas Division Wolfgang-Reuter-Platz 47053 Duisburg, Germany Siemens Energy, Inc. 10730 Telge Road Houston, Texas 77095, USA For more information, contact our

Customer Support Center. Phone: +49 180/524 70 00 Fax: +49 180/524 24 71 (Charges depending on provider) e-mail: support energy@siemens.com Oil & Gas Division Order No. E50001-W410-A102-V2-4A00 Printed in Germany Dispo 05400 c4b: 1387 S W5 08086.

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Subject to change without prior notice. The information in this document contains general descriptions of the technical options available, which may not apply in all cases. The required technical options should therefore be specified in the contract.

	Form 556 Certification of Qual Production or Coger	ifying Facility (QF neration Facility) Status for a Small Power				
1	Ta Fuil name of applicant (legal entity on whose behalf que Energy Partners I, LLC	valifying facility state	is is sought for this facility)				
	16 Applicant street address c/o Wellong Group, Inc. Attn: Jason B. Joner 2525 West Firestone Lane	ie.					
	Tc City Vancouver	1d State/prov Washingto	lince on				
	1e Postal code 1f Country (If not United States) 98660	· · · · ·	1g Telephone number 360-750-3500				
	1h Has the instant facility ever previously been certified a	a QF? Yes	No 🛛				
	11 If yes, provide the docket number of the last known QF	filing pertaining to t	his facility: QF				
	(see note below) If fee; see "Filing Fee" section on page 3) Note: a notice of self-certification is a notice by the applicant itself that its facility complies with the requirements for OF status. A notice of self-certification does not establish a proceeding, and the Commission does not review a notice of self-certification to verify compliance. See the "What to Expect From the Commission After You File" testion appeared by the section of the testing of the testion of testion of the testion of testio						
	1k What type(s) of QF status is the applicant seeking for it Qualifying small power production facility status ()	s facility? (check all t X Qualifying cogen	hat apply) eration facility status				
	11 What is the purpose and expected effective date(s) of the X original certification; facility expected to be installed C change(s) to a previously certified facility to be effect (identify type(s) of change(s) below, and describe change(s) below, and describe change(s) below.	his filing? by <u>4/1/19</u> a live on ange(s) in the Misce	ind to begin operation on <u>6/1/19</u>				
	Change in ownership	e(s)					
	Change(s) affecting plant equipment, fuel use, po	wer production cap	acity and/or cogeneration thermal output				
	Supplement or correction to a previous filing submitte (describe the supplement or correction in the Miscell	ed on aneous section start	ing on page 19)				
	 Im If any of the following three statements is true, check to the extent possible, explaining any special circumst. The instant facility complies with the Commission's previously granted by the Commission in an order orders in the Miscellaneous section starting on pag The instant facility would comply with the Commission concurrently with this application is granted. 	the box(es) that desc ances in the Miscella OF requirements by dated ie 19) sion's QF requirement requiations, but bac	ribe your situation and complete the for neous section starting on page 19. v virue of a waiver of certain regulations (specify any other relevant waiver nts if a petition for waiver submitted special circumstances, such as the				

9

- 1	2 W 2 Y 1 Y 1 Y 1			lar set a		
	Ja Name of contact person Jason B. Joner			26 Telephone number 360-750-3500		
2c Which of the following describes the contact person's relationship to the applicant? (check one) Applicant (self) Employee, owner or partner of applicant authorized to represent the applicant Employee of a company affiliated with the applicant authorized to represent the applicant on this matter Lawyer, consultant, or other representative authorized to represent the applicant on this matter						
Į	2d Company or organization Wellons Group, Inc.	n name (il applicant is an in	dividual, chec	chere and skip to line 2e)		
	2e Street address (if some as	s Applicant, check here and	skip to line 3a	12 2		
ł	2f City		2g Si	ate/province		
ł	2h Postal code	21 Country (If not I	United States)			
 3a Facility name Energy Partners 1, LLC 3b Street address (if a street address does not exist for the facility, check here and skip to line 3c) 						
	3c Geographic coordinates: then you must specify th the following formula to degrees + (minutes/60) + provided a street addres Longitude East (+) Xuest (-)	If you indicated that no stri e latitude and longitude co convert to decimal degrees b (seconds/3600). See the s for your facility in line 3b, 123, 833 degrees	eet address ex ordinates of ti from degrees "Geographic C then specifyin Lat	Ists for your facility by checking the box i the facility in degrees (to three decimal pli , minutes and seconds: decimal degrees oordinates' section on page 4 for help. I g the geographic coordinates below is op itude South (+) 45,450 deg	in line 3b, aces). Use := fyou ptional. grees	
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Full legal names of direct owners	Electric i	within or	
1) Wellons Group, Inc.	com	ling	If Yes, % equity
the second se	Yes	No 52	1001
2)	Yes	No T	
3)	Yes 🗖	No D	
4)	Yes	No T	
5)	Yes		
6)	Yes	No T	
7)	Yes	No D	
8)	Yes	No T	
9)	Yes	No 🗖	
10)	Yes 🗖	No D	-
another, total percent equity interest reported may exceed 100 percent.) Check here if no such upstream owners exist. 🛛			
Full legal names of electric utility or holding company upstream	owners		% equity interest
1)			
2)			
3)			
4)			-
5)			
6)			
7)			
8)			
9)			
10)			

61	Describe the primary energy input: (che	ck one n	nain category and, If applicable,	one subcat	egory)				
	Blomass (specify)		Renewable resources (specify)	Geo	thermal				
	🗖 Landfili gas		Hydro power - river	Fost	Il fuel (specify))			
	Manure digester gas		Hydro power - tidal	C	Coal (not wa	ste)			
	Municipal solid waste		Hydro power - wave	E	Fuel oll/dies	el			
	Sewage digester gas		Solar - photovoltaic	0] Natural gas	not waste			
	Ø Wood		Solar - thermal	Г	Other fossil	fuel			
	D Other blomass (describe on p	age 19)	U Wind	-	describe on	page 19)			
	Waste (specify type below in line 6b)	Other renewable resource (describe on page 19)	Oth	Other (describe on page 1				
6b	If you specified "waste" as the primary e	nergy in	put In line 6a, indicate the type	of waste fue	el used: (check	one)			
10	Waste fuel listed in 18 C.F.R. § 292.	202(b) (s	specify one of the following)						
Anthracite culm produced prior to July 23, 1985									
	Anthracite refuse that has an ash content of 45 percent or	more	e heat content of 6,000 Btu or le	ss per poun	d and has an a	verage			
Bituminous coal refuse that has an average heat content of 9,500 Btu per pound or less and has an average ash content of 25 percent or more									
Top or bottom subbituminous coal produced on Federal lands or on indian lands that has been determined to be waste by the United States Department of the interior's Bureau of Land Management (BLM) or that is located on non-Federal or non-Indian lands outside of BLM's jurisdiction, provided that the applicant shows that the latter coal is an extension of that determined by BLM to be waste									
Coai refuse produced on Federal lands or on Indian lands that has been determined to be waste by the BLM or that is located on non-Federal or non-indian lands outside of BLM's jurisdiction, provided that applicant shows that the latter is an extension of that determined by BLM to be waste									
	Lignite produced in association with the production of montan wax and lignite that becomes exposed as a result of such a mining operation								
[Gaseous fuels (except natura	al gas an	d synthetic gas from coal) (desc	ribe on pag	e 19)				
Waste natural gas from gas or oil wells (describe on page 19 how the gas meets the requirements of 18 C.F.R. § 2.400 for waste natural gas; include with your filing any materials necessary to demonstrate compliance with 18 C.F.R. § 2.400)									
Materials that a government agency has certified for disposal by combustion (describe on page 19)									
Heat from exothermic reactions (describe on page 19)						n page 19			
	Used rubber tires	Plastic r	materiais 🔲 Refinery o	ff-gas	Petrole	um coke			
Dther waste energy input that has little or no commercial value and exists in the absence of the qualifying facility industry (describe in the Miscellaneous section starting on page 19; include a discussion of the fuei's lack of commercial value and existence in the absence of the qualifying facility industry)									
6c	Provide the average energy input, calcu energy inputs, and provide the related 292.202(j)). For any oil or natural gas fu	lated on percenta el, use lo	a calendar year basis, in terms o age of the total average annual e ower heating value (18 C.F.R. § 2)	f Btu/h for nergy inpu 92.202(m)).	the following f t to the facility	ossil fuel (18 C.F.R.			
	Fuel	A	nnual average energy	Percentag	e of total				
	Natural gas	-	o Route	annuaren	0 04				
			U DIU/II		0 10				
	Oil-based fuels		D Bru/h		0.96				

delivery by completing the worksheet below. Respond to all items. If any of the parasitic loads and/c lines 7b through 7e are negligible, enter zero for those lines.	ne point(s) of or losses identified in
To The maximum gross power production capacity at the terminals of the individual generator(s) under the most favorable anticipated design conditions	10,000 kW
7b Parasitic station power used at the facility to run equipment which is necessary and integral to the power production process (boiler feed pumps, fans/blowers, office or maintenance buildings directly related to the operation of the power generating facility, etc.). If this facility includes non- power production processes (for instance, power consumed by a cogeneration facility's thermal host), do not include any power consumed by the non-power production activities in your reported parasitic station power.	750 kW
7c Electrical losses in interconnection transformers	50 kW
7d Electrical losses in AC/DC conversion equipment, If any	o ku
Te Other Interconnection losses in power lines or facilities (other than transformers and AC/DC conversion equipment) between the terminals of the generator(s) and the point of interconnection with the utility	o kw
71 Total deductions from gross power production capacity = 7b + 7c + 7d + 7e	800.0 kW
7g Maximum net power production capacity = 7a - 7f	8.200 0 MM
which components are normally operating or normally in standby mode. Provide a description or components operate as a system. Applicants for cogeneration facilities do not need to describe systems that are clearly depicted on and easily understandable from a cogeneration facility's arts heat balance diagram; however, such applicants should provide any necessary description need the sequential operation of the facility depicted in their mass and heat balance diagram. If addit needed, continue in the Miscellaneous section starting on page 19.	of how the operations of oched mass and ed to understand ional space is
A Wellons 150,000 PPH wood-fired boiler will provide steam to a Siem	ens 000kW. Two
extraction-condensing turbine-generator with a nominal rating of 10, feedwater pumps are provided, one for standby. Steam will be extrac lumber drying, with condensate return to the system.	

	ation Deputies of for Carol	Denting Dreadure	Non Castlin.							
norm	ation Required for Smal	I Power Produc	tion Facility	d attended						
mus	t respond to the Items on this page. C	therwise, skip page 10.	ver production lacinity status in	or your racility, then you						
	Pursuant to 18 C.F.R. § 292.204(a), t with the power production capacit resource, are owned by the same p megawaits. To demonstrate comp from this size limitation under the (Püb, L. 101-575, 104 Stat. 2834 (19 through 8 below (as applicable).	he power production ca y of any other small pow erson(s) or its affiliates, a liance with this size iimit iolar, Wind, Waste, and C 90) as amended by Pub. I	pacity of any small power pro- rer production facilities that us not are located at the same situ ation, or to demonstrate that (seothermal Power Production 102-46, 105 Stat. 249 (1991))	duction facility, together e the same energy e, may not exceed 80 your facility is exempt incentives Act of 1990 respond to lines 8a						
	Ba identify any facilities with elect equipment of the instant facility, ar at least a 5 percent equity interest.	rical generating equipm to for which any of the e	ent located within 1 mile of th ntitles identified in lines 5a or	e electrical generating Sb, or their affiliates, hold						
9	Check here If no such facliltles exist									
ons	Facility location (city or county, state)	Root docket # (if any)	Common owner(s)	Maximum net power production capacity						
ati	1)	QF -		kW						
ZE	2)	QF		kW						
e Li	3)	QF -		kW						
Siz	Check here and continue in th	e Miscellaneous section	starting on page 19 if addition	al space is needed						
Vertification	Bb. The Solar, Wind, Waste, and Geothermal Power Production Incentives Act of 1990 (Incentives Act) provides exemption from the size limitations in 18 C.F.R. § 292.204(a) for certain facilities that were certified prior to 1995. Are you seeking exemption from the size limitations in 18 C.F.R. § 292.204(a) by virtue of the incentives Act?									
	Bc Was the original notice of self-certification or application for Commission certification of the facility filed on or before December 31, 19947 Yes No .									
	Bd Did construction of the facility commence on or before December 31, 1999? Yes 🔲 No 🛄									
	Bd Did construction of the facility			Be If you answered No In line 8d, indicate whether reasonable diligence was exercised toward the completion of the facility, taking into account all factors relevant to construction? Yes No I If you answered Yes, provide a brief narrative explanation in the Miscellaneous section starting on page 19 of the construction timeline (in particular, describe why construction started so long after the facility was certified) and the diligence exercised toward completion of the facility.						
	Bd Did construction of the facility Be If you answered No In line 8d, I the facility, taking into account all f a brief narrative explanation in the particular, describe why construction toward completion of the facility.	ndicate whether reason; actors relevant to constr Miscellaneous section st on started so long after t	ble diligence was exercised to uction? Yes No 1 if y arting on page 19 of the consi he facility was certified) and th	ward the completion of ou answered Yes, provide ruction timeline (in se diligence exercised						
ompliance quirements	Bd Did construction of the facility Be. If you answered No In line 8d, i the facility, taking into account all <i>I</i> a brief narrative explanation in the particular, describe why constructie toward completion of the facility. Pursuant to 18 C.F.R. § 292.204(b), of amounts, for only the following pu prevention of unanticipated equip the public health, safety, or welfare used for these purposes may not e period beginning with the date the	ndicate whether reasona actors relevant to consta Miscellaneous section st on started so long after t qualifying small power p proses: Ignition; start-up ment outages; and allevi , which would result fro ceced 25 percent of the i facility first produces el	ble diligence was exercised to uction? Yes No I If y arting on page 19 of the const he facility was certified) and th roduction facilities may use fo block to the facilities of the facilitation; c ation or prevention of emergen n electric power outages. The torat energy input of the facilit ectric energy or any calendar y	ward the completion of ou answered Yes, provide ruction timeline (in e diligence exercised ssil fuels, in minimal ontrol use; alleviation or ncies, directly affecting amount of fossil fuels y during the 12-month rear thereafter.						
n of Compliance se Requirements	 Bd Did construction of the facility Be If you answered No In line 8d, I the facility, taking into account all I a brief narrative explanation in the particular, describe why construction toward completion of the facility. Pursuant to 18 C.F.R. § 292.204(b), amounts, for only the following pupervention of or unanticipated equip the public health, safety, or welfare used for these purposes may not expended beginning with the date the 9a Certification of compliance with 	ndicate whether reasona actors relevant to constr Miscellaneous section st miscellaneous section st n started so long after t qualifying small power p rposes: Ignition; start-up ment outages; and allevi , which would result fron ceced 25 percent of the i facility first produces el n 18 C.F.R. § 292.204(b) w facility will use fossil fuel	bible dilligence was exercised to uction? Yes No If y arting on page 19 of the consi he facility was certified) and th roduction facilities may use fo by testing; flame stabilization; c ation or prevention of emerge melectric power outages. The rotal energy input of the facilities ectric energy or any calendar y with respect to uses of fossil fundars sectualizely for the purposes I	ward the completion of our answered Yes, provide ruction timeline (in the diligence exercised assii fuels, in minimal ontrol use; alleviation or noice, directly affecting amount of fossil fuels y during the 12-month rear thereafter.						

	Page 11 - Cogeneration Facilities

Information Required for Cogeneration Facility

FERC Form 556

If you indicated in line 1k that you are seeking qualifying cogeneration facility status for your facility, then you must respond to the items on pages 11 through 13. Otherwise, skip pages 11 through 13.

Pursuant to 18 C.F.R. § 2 energy (such as heat or a use of energy. Pursuant cycle cogeneration facili thermal application or p 292.205(a); or (2) for a be application or process for	92.202(c), a cogeneration facility produces electric energy and forms of useful thermal team) usef for industrial, commercial, heating, or cooling purposes, through the sequential to 18 C.F.R. § 292.202(s), "sequential use" of energy means the following: (1) for a topping- ty, the use of reject heat from a power production process in sufficient amounts in a rocess to conform to the requirements of the operating standard contained in 18 C.F.R. § storming-cycle cogeneration facility, the use of at least some reject heat from a thermal or power production.							
10a What type(s) of cog	eneration technology does the facility represent? (check all that apply)							
🔀 Topping-cycle cogeneration 🔲 Bottoming-cycle cogeneration								
10b To help demonstrat other requirements balance diagram de meet certain requir below to certify that	te the sequential operation of the cogeneration process, and to support compliance with is such as the operating and efficiency standards, include with your filing a mass and heat epicting average annual operating conditions. This diagram must include certain items and ements, as described below. You must check next to the description of each requirement t you have complied with these requirements.							
Check to certify compliance with indicated requirement	Reputrement							
	Diagram must show orientation within system piping and/or ducts of all prime movers, heat recovery steam generators, boilers, electric generators, and condensers (as applicable), as well as any other primary equipment relevant to the cogeneration process.							
⊠	Any average annual values required to be reported in lines 10b, 12a, 13a, 13b, 13d, 13f, 14a, 15b, 15d and/or 15f must be computed over the anticipated hours of operation.							
⊠	Diagram must specify all fuel inputs by fuel type and average annual rate in Btu/h. Fuel for supplementary firing should be specified separately and clearly labeled. Ali specifications of fuel inputs should use lower heating values.							
⊠	Diagram must specify average gross electric output in kW or MW for each generator.							
⊠	Diagram must specify average mechanical output (that is, any mechanical energy taken off of the shaft of the prime movers for purposes not directly related to electric power generation) in horsepower, if any. Typically, a cogeneration facility has no mechanical output.							
⊠	At each point for which working fluid flow conditions are required to be specified (see below), such flow condition data must include mass flow rate (in lb/h or kg/s), temperature (in °F, R, °C or K), absolute pressure (in psia or kPa) and enthalpy (in Btu/lb or kJ/kg). Exception: For systems where the working fluid is <i>liquid</i> only (no vapor at any point in the cycle) and where the type of liquid and specific heat of that liquid are clearly indicated on the diagram or in the Miscellaneous section starting on page 19, only mass flow rate and temperature (not pressure and enthalpy) need be specified. For reference, specific heat at standard conditions for pure liquid water is approximately 1.002 Btu/ (lb*R) or 4.195 kJ/(kg*K).							
⊠	Diagram must specify working fluid flow conditions at input to and output from each steam turbine or other expansion turbine or back-pressure turbine.							
⊠	Diagram must specify working fluid flow conditions at delivery to and return from each thermal application.							
	Diagram must specify working fluid flow conditions at make-up water inputs.							

FERC F	Page 12 - Cogeneration Facilities	
	EPAct 2005 cogeneration facilities: The Energy Policy Act of 2005 (EPAct 2005) established a new section 210(n) of the Public Utility Regulatory Policies Act of 1978 (PURPA), 16 USC 824a-3(n), with additional regularements for any qualifying cogeneration facility that (11) is seeking to self electric energy pursuant to section 210 of PURPA and (2) was either not a cogeneration facility that (11) is seeking to self electric energy pursuant to section 210 of PURPA and (2) was either not a cogeneration facility on August 8, 2005, or had not filed a self-certification or application for Commission certification of QF status on or before February 1, 2006. These regularements were implemented by the Commission in 18 C.F.R. 5 292-205(d). Complete the lines below, carefully following the instructions, to demonstrate whether these additional regularements apply to your cogeneration facility and, if so, whether your facility complies with such requirements.	
	11a Was your facility operating as a qualifying cogeneration facility on or before August B, 20057 Yes 📋 No 🕅	1
	11b Was the Initial filing seeking certification of your facility (whether a notice of self-certification or an application for Commission certification) filed on or before February 1, 20067 Yes []. No 🔀	
s	If the answer to either line 11a or 11b is Yes, then continue at line 11c below. Otherwise, if the answers to both lines 11a and 11b are No, skip to line 11e below.	
scilitie	11c With respect to the design and operation of the facility, have any changes been implemented on or after February 2, 2006 that affect general plant operation, affect use of thermal output, and/or increase net power production capacity from the plant's capacity on February 1, 2006?	
E	Yes (continue at line 11d below)	
leration	No. Your facility is not subject to the requirements of 18 C.F.R. 5 292.205(d) at this time. However, it may be subject to to these requirements in the future if changes are made to the facility. At such time, the applicant would need to recertify the facility to determine eligibility. Skip lines 11d through 11).	
ogen	11d Does the applicant contend that the changes identified in line 11c are not so significant as to make the facility a "new" cogeneration facility that would be subject to the 1B C.F.R. 5 292.205(d) cogeneration requirements?	
from C	Yes. Provide in the Miscellaneous section starting on page 19 a description of any relevant changes made to the facility (including the purpose of the changes) and a discussion of why the facility should not be considered a "new" cogeneration facility in light of these changes. Skip lines 11e through 11].	
utput	No. Applicant stipulates to the fact that it is a "new" cogeneration facility (for purposes of determining the applicability of the requirements of 18 C.F.R. § 292.205(d)) by virtue of modifications to the facility that were initiated on or after February 2, 2006. Continue below at line 11e.	
× 0	11e Will electric energy from the facility be sold pursuant to section 210 of PURPA?	
nerg	Yes. The facility is an EPAct 2005 cogeneration facility. You must demonstrate compliance with 18 C.F.R. § 292.205(d)(2) by continuing at line 11f below.	
ofE	No. Applicant certifies that energy will not be sold pursuant to section 210 of PURPA. Applicant also certifies its understanding that it must recertly its facility in order to determine compliance with the requirements of 18 C.F.R. 5 292.205(d) before selling energy pursuant to section 210 of PURPA in the future. Skip lines 11f through 11j.	
	11f is the net power production capacity of your cogeneration facility, as indicated in line 7g above, less than or equal to 5,000 kW7	1
	Yes, the net power production capacity is less than or equal to 5,000 kW. 18 C.F.R. § 292.205(d)(4) provides a rebuttable presumption that cogeneration facilities of 5,000 kW and smaller capacity comply with the requirements for fundamental use of the facility's energy output in 18 C.F.R. § 292.205(d)(2). Applicant certifies its undetstanding that, should the power production capacity of the facility increase above 5,000 kW, then the facility must be recertified to (among other things) demonstrate compliance with 18 C.F.R. § 292.205(d)(2). Skip lines 11g through 11).	
	No, the net power production capacity is greater than 5,000 kW. Demonstrate compliance with the inequirements for fundamental use of the facility's energy output in 18 C.F.R. § 292.205(d)(2) by continuing on the next page at line 11a.	

FERC	orm 556 Page 13	- Cogeneration Facilitie		FERC F	mio	556	Page 14 - Topping	-Cycle Cogeneration Facilities			
	Lines 11g through 11k below guide the applicant through the process of demonstrating cor requirements for "fundamental use" of the facility's energy output. 18 C.F.R. § 292.205(d)(2). lines on this page if the instructions on the previous page direct you to do so. Otherwise, ski		Inform If you I	atic	on Required for Topp ated in line 10a that your facility r	ping-Cycle Cogeneration Facility represents topping-cycle cogeneration technology	, then you must respond to				
	18 C.F.R. § 292.205(d)(2) requires that the electrical, thermal, chemical and mechanical output cogeneration facility is used fundamentally for industrial, commercial, residential or institution to intended fundamentally for sale to an electric utility, taking into account technological, and variable thermal energy requirements, as well as state laws applicable to sales of electric qualifying facility to its host facility. If you were directed on the previous page to respond to then your facility to its not facility. If you were directed on the previous page to respond to then your facility is an EPAct 2005 cogeneration facility that is subject to this "fundamental upper technological".	18 C.F.R. § 292.205(d)(2) requires that the electrical, thermal, chemical and mechanical output of an EPAct 2005 cogeneration facility is used fundamentally for industrial, commercial, residential or institutional purposes and is not intended fundamentally for sale to an electric utility, taking into account technological, efficiency, economic, and variable thermal energy requirements, as well as state laws applicable to sales of electric energy from a qualifying facility to its host facility. If you were directed on the previous page to respond to the items on this page, then your facility is an EPAct 2005 cogeneration facility that is subject to this "fundamental use" requirement. The Commission's regulations provide a two-pronged approach to demonstrating compliance with the requirements for fundamental use to the facility's energy output. First, the Commission has established in 18 C.F.R. § 292.205(d)(2). Under the fundamental use test: "that can be used to demonstrate compliance with 16 C.F.R. § 292.205(d)(2). Under the fundamental use test, a facility is considered to comply with 18 C.F.R. § 292.205(d)(2) if at least 50 percent of the facility's total annual energy output (Induding electrical, thermal, chemical and mechanical energy output) is used for industrial, commercial, residential or institutional purposes.			t of an EPAct 2005 inal purposes and 1s fficiency, economic, energy from a the items on this page, er requirement.			Th or Co cy to	n pages 14 and 15. Otherwise, sk e thermal energy output of a top commercial process or used in a mmission's regulations (18 C.F.R. cle cogeneration facility must be oping-cycle cogeneration facility	ip pages 14 and 15. ping-cycle cogeneration facility is the net energy n heating or cooling application. Pursuant to section 5§ 292.202(c), (d) and (h)), the thermal energy out useful. In connection with this requirement, descr by responding to lines 12a and 12b below.	nade available to an industrial ns 292.202(c), (d) and (h) of the put of a qualifying topping- ibe the thermal output of the
se tinued)	The Commission's regulations provide a two-pronged approach to demonstrating complian requirements for fundamental use of the facility's energy output. First, the Commission has § 292.205(d)(3) a "fundamental use test" that can be used to demonstrate compliance with 1 Under the fundamental use test, a facility is considered to comply with 18 C.F.R. § 292,205(d) of the facility's total annual energy output (including electrical, thermal, chemical and mech- used for Industrial, commercial, residential or institutional purposes.				12	 Identify and describe each the to each host for each use. For separate rows. 	rmal host, and specify the annual average rate of the hosts with multiple uses of thermal output, provid Thermal host's relationship to facility.	hermal output made available e the data for each use in Average annual rate of thermal output attributable to use (net of heat contained in process			
D IO	Second, an applicant for a facility that does not pass the fundamental use test may provide a	natrative explanation				taking thermal output	Thermal host's use of thermal output	return or make-up water			
s (c	chemical and mechanical output of an EPAct 2005 cogeneration facility is used fundamental	ly for industrial,			1.		Applicant or affiliate				
ties	commercial, residential or institutional purposes and is not intended fundamentally for sale to an electric utility,				1"	Hampton Lumber Mills	Other Ind. process (describe in line 12b)	89, 609, 000 Btu/h			
cilit	laws applicable to sales of electric energy from a qualifying facility to its host facility.				21		Select thermal host's relationship to facility	1.24.6			
Fa	Complete lines 11g through 11j below to determine compliance with the fundamental use test in 18 C.F.R. §			a	4		Select thermal host's use of thermal output	Btu/h			
PL F	292.205(d)(3). Complete lines 11g through 11J even if you do not intend to rely upon the fundate demonstrate compliance with 18 C F.R. 5 292 205(d)(2).	mental use test to		X	21		Select thermal host's relationship to facility				
for	1 1g Amount of electrical, thermal, chemical and mechanical energy output (net of internal generation plant losses and parasitic loads) expected to be used annually for industrial,	-	4	31		Select thermal host's use of thermal output	Btu/h				
ts		212, 521 MWh		pr in			Select thermal host's relationship to facility				
Jer	commercial, residential or institutional purposes and not sold to an electric utility		4	E B	-1		Select thermal host's use of thermal output	Btu/h			
Lo en	sold to an electric utility	74, 393 MW		12		1	Select thermal host's relationship to facility				
In F	111 Percentage of total annual energy output expected to be used for industrial,		10	Jo E	3/		Select thermal host's use of thermal output	8tu/h			
ror	= 100 * 11g /(11g + 11h)	74.1 %		ess	61		Select thermal host's relationship to facility	1			
Lt f	11] Is the response in line 111 greater than or equal to 50 percent?		1	<u> </u>	0)		Select thermal host's use of thermal output	Btu/h			
£ 8	Yes. Your facility complies with 18 C.F.R. § 292,205(d)(2) by virtue of passing the fund	amental use test		efu		Check here and continue in	n the Miscellaneous section starting on page 19 If a	dditional space is needed			
EPAct 2 of Energy Ou	 Yes. Your facility compiles with 18 C.F.R. 9 292.205(d)(2) by virtue of passing the fundamental use test provided in 18 C.F.R. 5 292.205(d)(2). Applicant certifies its understanding that, if it is to rely upon passing Image: The fundamental use test as a basis for complying with 18 C.F.R. 5 292.205(d)(2), then the facility must comply with the fundamental use test both in the 12-month period beginning with the date the facility first produces electric energy, and in all subsequent calendar years. No. Your facility does not pass the fundamental use test. Instead, you must provide in the Miscellaneous section starting on page 19 a narrative explanation of and support for why your facility meets the requirement that the electrical, thermal, chemical and mechanical output of an EPAct 2005 cogeneration facility is used fundamentally for industrial, commercial, residential or institutional purposes and is not intended fundamentally for sale to an electric utility, taking into account technological, efficiency, economic, and variable thermal energy requirements, as well as state laws applicable to sales of electric energy from a OF to its host facility. Applicants providing a narrative explanation of with their facility should be found to review paragraphs 47 through 61 of Order No. 671 (accessible from the Commission's OF website at www.ferc.gov/OF), which provide discussion of the facts and circumstances that may support their explanation. Applicant should also note that the percentage reported above will establish the standard that the that like is the reported values on likes 11 g and 11 habove to serve as the erglenation in produces electric energy, and in all subsequent calendar years. See Order No. 671 at paragraph 51. As such, the applicant should make sure that it reports appropriate values on lines 11 g and 11 habove to serve as the relevant annual standard. taking into account execreted values on lines 11 g and 11 habove to serve as the relevant annual standard. taking into accoun			n	12 thu Ho op isr ou da usi co Lu	b Demonstration of usefulness of ermal ourput identified above. In wever, if your facility's use of the treasonably clear, then you mus plication may be rejected and/or made. (Exception: If you have pur toput related to the instant facility te and docket number to the ord ed if any change creates a materi- nthrue in the Miscellaneous secti- mber drying.	of thermal output: At a minimum, provide a brief d is some cases, this brief description is sufficient to d irmal output is not common, and/or if the usefulne is provide additional details as necessary to demon additional information may be required if an insuf- eviously received a Commission certification appro- it, then you need only provide a brief description of ier certifying your facility with the indicated use. Si al deviation from the previously authorized use.) If on starting on page 19.	escription of each use of the emonstrate usefulness. ss of such thermal output is strate usefulness. Your filcient showing of usefulness ving a specific use of thermal that use and a reference by che exemption may not be fadditional space is needed,			

orm 556	Page 15 - Topping-	Cycle Cogeneration Facilities		FERCI	Form S	56	Page 16 - Bottoming	Cycle Cogenera	tion Facilit
Applicants for facilities represen cycle operating standard and, if regulations (18 C.F.R. § 292.205(the useful thermal energy output	ling topping-cycle technology must demonstrate com applicable, efficiency standard. Section 292:205(a)(1) o b)(1)) establishes the operating standard for topping-cy t must be no iess than S percent of the total energy ou	pliance with the topping- f the Commission's cle cogeneration facilities: tput. Section 292.205(a)(2)	6	Inform if you to the	indicat items	n Required for Botto ed in line 10a that your facility re on pages 16 and 17. Otherwise, s	ming-Cycle Cogeneration Facilit presents bottoming-cycle cogeneration technolog skip pages 16 and 17.	y y, then you mus	st respond
(18 C.F.R. § 292.205(a)(2)) establi installation commenced on or al thermal energy output must (A) facility; and (B) if the useful ther be no less than 45 percent of the complexent between the thermal	shes the efficiency standard for topping-cycle cogener ter March 13, 1980: the useful power output of the fac be no less than 42.5 percent of the total energy input of nal energy output is less than 15 percent of the total er total energy input of natural gas and oll to the facility is accurate address of the input standards as it deleted	ation facilities for which lity plus one-half the useful if natural gas and oil to the aergy output of the facility, To demonstrate circle that your facility is			The whi the cyci at le	thermal energy output of a bott ch at least some of the reject hea Commission's regulations (18 C.I e cogeneration facility must be s ast some of the reject heat is use	oming-cycle cogeneration facility is the energy rela it is then used for power production. Pursuant to s F.R. § 292.202(c) and (e)), the thermal energy outpu seful. In connection with this requirement, describ ad for power production by responding to lines 14a	ted to the proce ections 292.202 t of a qualifying the process(e and 14b below	ess(es) from (c) and (e) o) bottoming s) from whi
exempt from the efficiency stand 131 below.	fard based on the date that installation commenced, re	spond to lines 13a through			14a	Identify and describe each ther host. For hosts with multiple b	mal host and each bottoming-cycle cogeneration p ottoming-cycle cogeneration processes, provide th	e data for each	f in by each process in
If you indicated in line 10a that y technology, then respond to line attributable to the topping-cycle which mass and energy flow valu cogeneration system.	our facility represents both topping-cycle and bottom is 13a through 131 below considering only the energy i portion of your facility. Your mass and heat balance d uss and system components are for which portion (top	ng-cycle cogeneration nputs and outputs lagram must make clear plng or bottoming) of the				separate rows. Name of entity (thermal host) performing the process from which at least some of the reject heat is used for power production	Thermal host's relationship to facility;	Has the ene the therma augmented of increasi production (If Yes, descr	rgy Input t I host beer for purpos ing power capacity?
to the host(s), net of any heat co	rate of userul thermal energy output made available ntained in condensate return or make-up water	78, 675, 000 Btu/h			H		Salert thormal host's relationship to facility	1	
13b Indicate the annual average	e rate of net electrical energy output	8 200 KW			1)		Select thermal host's process type	Yes	No 🗌
13c Multiply line 13b by 3,412 to	convert from kW to 8tu/h	3,200 84	62	0			Select thermal host's relationship to facility	VerT	No 17
3d indicate the annual average rate of mechanical energy output taken directly of	31, 390, 400 8tu/h	~	XCI	2)		Select thermal host's process type		NO []	
of the shaft of a prime mover for	purposes not directly related to power production		1.1	10	21		Select thermal host's relationship to facility	Yes	No IT
(this value is usually zero) 13e Multiply line 13d by 2.5441	o convert from ho to Btu/h	0 hp	cir.	rt ju	5)		Select thermal host's process type	1.20	CL
the montphy me too by sport		0.0 810/h	6	E B		Check here and continue in t	he Miscellaneous section starting on page 19 if add	litional space is	needed
13f Indicate the annual average	rate of energy input from natural gas and oil	n Bru/h	1.00	D H	146	Demonstration of usefulness of	f thermal output: At a minimum, provide a brief de	scription of each	process
13g Topping-cycle operating va	lue = 100 * 13a / (13a + 13c + 13e)			f B nal	ider	tified above. In some cases, this	brief description is sufficient to demonstrate usefu	Iness. However	if your
13h Topping-cycle efficiency v	alue = 100 * 10.5*13a + 13c + 13e1/13f	71.5 %	0	err	mu	t provide additional details as n	ecessary to demonstrate usefulness. Your applicati	on may be rejec	ted and/o
ten repping specerimiters in		100 %		The set	add	Itional information may be requi	ired if an insufficient showing of usefulness is made	Exception: If y	ou have
131 Compliance with operating	standard: Is the operating value shown in line 13g gra	ater than or equal to 5%7		-	fact	ity, then you need only provide	a brief description of that process and a reference b	by date and doc	ket numb
Yes (complies with ope	rating standard) 🛛 🗌 No (does not comply wit	h operating standard)		sef	to ti	ne order certifying your facility w	with the indicated process. Such exemption may no	t be used if any Miscellaneous	material
13) Did Installation of the facility Yes. Your facility is subjic compliance with the efficience withe with the efficience with the efficience with the efficience with	y in its current form commence on or after March 13, 19 ect to the efficiency requirements of 18 C.F.R. § 292.205 clency requirement by responding to line 13k or 131, as	9807 (a)(2). Demonstrate applicable, below.	69		star	ling on page 19.			
No. Your facility is exem	pt from the efficiency standard. Skip lines 13k and 13l.								
13k Compliance with efficiency than 15%, then indicate below v	standard (for low operating value): If the operating va whether the efficiency value shown in line 13h greater t	lue shown in line 13g is less han or equal to 45%:							
Yes (complies with eff	clency standard) 🛛 🗌 No (does not comply with	h efficiency standard)							
131 Compliance with efficiency greater than or equal to 15%, th equal to 42.5%:	standard (for high operating value): If the operating va en indicate below whether the efficiency value shown	lue shown in line 13g is n line 13h is greater than or							
Yes (complies with efficient	tiency standard) 🛛 No (does not comply will	h efficiency standard)							

FERC FOR	m SS6 Page 17 - Bottoming-Cycle	e Cogeneration Facilitie										
	Applicants for facilities representing bottoming-cycle technology and for which installation of March 13, 1990 must demonstrate compliance with the bottoming-cycle efficiency standard the Commission's regulations (18 C.F.R. § 292.205(b)) estabilishes the efficiency standard for t cogeneration facilities: the useful power output of the facility must be no less than 45 percer of natural gas and oil for supplementary fitting. To demonstrate compliance with the bottom standard (if applicable), or to demonstrate that your facility is exempt from this standard bas installation of the facility began, respond to lines 15a through 15h below.	commenced on or after s. Section 292.205(b) o pottoming-cycle nt of the energy input sing-cycle efficiency ed on the date that										
ion	If you indicated in line 10a that your facility represents both topping-cycle and bottoming-cy technology, then respond to lines 15a through 15h below considering only the energy input attributable to the bottoming-cycle portion of your facility. Your mass and heat balance diag which mass and energy flow values and system components are for which portion of the cog (topping or bottoming).	cle cogeneration s and outputs gram must make clear generation system										
alculat	15a Did installation of the facility in its current form commence on or after March 13, 1980? Pes. Your facility is subject to the efficiency requirement of 18 C.F.R. § 292.205(b). Demonstrate compliance with the efficiency requirement by responding to lines 15b through 15h below. No. Your facility is exempt from the efficiency standard. Skip the rest of page 17.											
lue	With the efficiency requirement by responding to lines 15b through 15h below. No. Your facility is exempt from the efficiency standard. Skip the rest of page 17.											
y Value C	With the efficiency requirement by responding to lines 15b through 15h below. No. Your facility is exempt from the efficiency standard. Skip the rest of page 17. Sb Indicate the annual average rate of net electrical energy output	kW										
ency Value C	With the efficiency requirement by responding to lines 15b through 15h below. No. Your facility is exempt from the efficiency standard. Skip the rest of page 17. 15b indicate the annual average rate of net electrical energy output. 15c Multiply line 15b by 3,412 to convert from kW to 8tu/h	kW o Btu/F										
Efficiency Value C	With the efficiency requirement by responding to lines 15b through 15h below. No. Your facility is exempt from the efficiency standard. Skip the rest of page 17. Sb Indicate the annual average rate of net electrical energy output Sc Multiply line 15b by 3,412 to convert from kW to 8tu/h So Indicate the annual average rate of mechanical energy output taken directly off of the shaft of a prime mover for purposes not directly related to power production (this value is usually zero)	kW o Btu/h										
Efficiency Value C	With the efficiency requirement by responding to lines 15b through 15h below. No. Your facility is exempt from the efficiency standard. Skip the rest of page 17. Isb indicate the annual average rate of nat electrical energy output Sc Multiply line 15b by 3,412 to convert from kW to Btu/h do d	kW o Btu/F hp o Btu/F										
Efficiency Value C	With the efficiency requirement by responding to lines 15b through 15h below. No. Your facility is exempt from the efficiency standard. Skip the rest of page 17. Sb Indicate the annual average rate of net electrical energy output Sc Multiply line 15b by 3,412 to convert from kW to 8tu/h Sd Indicate the annual average rate of mechanical energy output taken directly off of the shaft of a prime mover for purposes not directly related to power production (this value is usually zero) Se Multiply line 15d by 2,544 to convert from hp to 8tu/h Sf Indicate the annual average rate of supplementary energy input from natural gas or oil	געע ס ווועלא אס ס ווועלא וועלא וועלא										

FERC Form 556

Page 18 - All Facilities

Certificate of Completeness, Accuracy and Authority

Applicant must certify compliance with and understanding of filing requirements by checking next to each item below and signing at the bottom of this section. Forms with incomplete Certificates of Completeness, Accuracy and Authority will be rejected by the Secretary of the Commission.

Signer Identified below certifies the following: (check all items and applicable subitems)

He or she has read the filing, including any information contained in any attached documents, such as cogeneration mass and heat balance diagrams, and any information contained in the Miscellaneous section starting on page 19, and knows its contents.

He or she has provided all of the required information for certification, and the provided information is true as stated, to the best of his or her knowledge and bellef.

He or she possess full power and authority to sign the filing: as required by Rule 2005(a)(3) of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2005(a)(3)), he or she is one of the following: (check one)

The person on whose behalf the filing is made

X An officer of the corporation, trust, association, or other organized group on behalf of which the filing is made

An officer, agent, or employe of the governmental authority, agency, or instrumentality on behalf of which the filing is made

A representative qualified to practice before the Commission under Rule 2101 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2101) and who possesses authority to sign

He or she has reviewed all automatic calculations and agrees with their results, unless otherwise noted in the Miscellaneous section starting on page 19.

He or she has provided a copy of this Form SS6 and all attachments to the utilities with which the facility will interconnect and transact (see lines 4a through 4d), as well as to the regulatory authorities of the states in which the facility and those utilities reside. See the Required Notice to Public Utilities and State Regulatory Authorities section on

 Iacility and those utilities reside. See the Required Notice to Public Utilities and State Regulatory Authorities section on page 3 for more Information.

Provide your signature, address and signature date below. Rule 2005(c) of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2005(c)) provides that persons filling their documents electronically may use typed characters representing his or her name to sign the filed documents. A person filling this document electronically should sign (by typing his or her name) in the space provided below.

Your Signature	Your address	Date
Jason B. Joner	2525 West Firestone Lane Vancouver, Washington 98660	4/29/2016

ommission Croffi	to Oplic	

Page 19 - All Facilities

FERC Form 556

Miscellaneous

Use this space to provide any information for which there was not sufficient space in the previous sections of the form to provide. For each such item of information *clearly identify the line number that the information belongs* to. You may also use this space to provide any additional information you believe is relevant to the certification of your facility.

Your response below is not limited to one page. Additional page(s) will automatically be inserted into this form if the length of your response exceeds the space on this page. Use as many pages as you require.

FEDERAL ENERGY REGULATORY COMMISSION OMB Control # 1902-0075 WASHINGTON, DC Expiration 05/31/2016 Form 556 Certification of Qualifying Facility (QF) Status for a Small Power Production or Cogeneration Facility

General

Questions about completing this form should be sent to FormS56@ferc.gov. Information about the Commission's QF program, answers to frequently asked questions about QF requirements or completing this form, and contact information for QF program staff are available at the Commission's QF website, <u>www.ferc.gov/DF</u>. The Commission's QF website also provides links to the Commission's QF regulations (18 C.F.R. § 13).80 and Part 292), as well as other statutes and orders pertaining to the Commission's QF program.

Who Must File

Any applicant seeking QF status or recertification of QF status for a generating facility with a net power production capacity (as determined in lines 7a through 7g below) greater than 1000 kW must file a self-certification or an application for Commission certification of QF status, which includes a properly completed Form S56. Any applicant seeking QF status for a generating facility with a net power production capacity 1000 kW or less is exempt from the certification requirement, and is therefore not required to complete or file a Form 556. See 18 C.F.R. § 292.203.

How to Complete the Form 556

This form is intended to be completed by responding to the items in the order they are presented, according to the instructions given. If you need to back-track, you may need to clear certain responses before you will be allowed to change other responses made previously in the form. If you experience problems, click on the nearest help button () for assistance, or contact Commission staff at <u>FormSS6eferc.gov</u>.

Certain lines in this form will be automatically calculated based on responses to previous lines, with the relevant formulas shown. You must respond to all of the previous lines within a section before the results of an automatically calculated field will be displayed. If you disagree with the results of any automatic calculation on this form, contact Commission staff at <u>EprmSS6eferc.cov</u> to discuss the discrepancy before filing.

You must complete all lines in this form unless instructed otherwise. Do not alter this form or save this form in a different format. Incomplete or altered forms, or forms saved in formats other than PDF, will be rejected.

How to File a Completed Form 556

Applicants are required to file their Form SS6 electronically through the Commission's eFiling website (see instructions on page 2). By filing electronically, you will reduce your filing burden, save paper resources, save postage or courler charges, help keep Commission expenses to a minimum, and receive a much faster confirmation (via an email containing the docket number assigned to your facility) that the Commission has received your filing.

if you are simultaneously filing both a waiver request and a Form SS6 as part of an application for Commission certification, see the "Waiver Requests" section on page 3 for more information on how to file.

Paperwork Reduction Act Notice

This form is approved by the Office of Management and Budget. Compliance with the information requirements established by the FERC Form No. 556 is required to obtain or maintain status as a QF. See 18 C.F.R. 5 131.80 and Part 292. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OM8 control number. The estimated burden for completing the FERC Form No. 556, including gathering and reporting information, is as follows: 3 hours for self-certification of a small power production facility, 8 hours for self-certifications of a cogeneration facility, 6 hours for an application for Commission certification of a small power production facility, and 50 hours for an application for Commission certification of a cogeneration facility, send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to the following: Information, Clearance Officer, Office of the Executive Director (ED-32), Federal Energy Regulatory Commission, 888 First Street N.E., Washington, DC 20426 (<u>DataClearance@ferc.gov</u>); and Desk Officer for FERC, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 (<u>otra_submission@emb.eoo.gov</u>), include the Control No. 1902-0075 in any correspondence.

FERC Form 556

Page 2 - Instructions

Electronic Filing (eFiling)

To electronically file your Form 556, visit the Commission's QF website at www.ferc.gov/QF and click the eFiling link,

If you are eFiling your first document, you will need to register with your name, email address, mailing address, and phone number. If you are registering on behalf of an employer, then you will also need to provide the employer name, alternate contact name, alternate contact phone number and and alternate contact email.

Once you are registered, log in to eFiling with your registered email address and the password that you created at registration. Follow the instructions. When prompted, select one of the following QF-related filing types, as appropriate, from the Electric or General filing category.

Filing category	Filing Type as listed in eFiling	Description
	(Fee) Application for Commission Cert. as Cogeneration OF	Use to submit an application for Commission certification or Commission recertification of a cogeneration facility as a QF.
	(Fee) Application for Commission Cert. as Small Power QF	Use to submit an application for Commission certification or Commission recertification of a small power production facility as a QF.
	Self-Certification Notice (QF, EG, FC)	Use to submit a notice of self- certification of your facility (cogeneration or small power production) as a QF.
Electric	Self-Recertification of Qualifying Facility (QF)	Use to submit a notice of self- recertification of your facility (cogeneration or small power production) as a QF.
	Supplemental Information or Request	Use to correct or supplement a Form SS6 that was submitted with errors or omissions, or for which Commission staff has requested additional information. Oo not use this filling type to report new changes to a facility or its ownership; rather, use a self- recertification or Commission recertification to report such changes.
General	(Fee) Petition for Declaratory Order (not under FPA Part 1)	Use to submit a petition for declaratory order granting a waiver of Commission QF regulations pursuant to 18 C.F.R. §5 292.204(a) (3) and/or 292.205(c). A Form 556 to not required for a petition for declaratory order unless Commission recertification is being requested as part of the petition.

You will be prompted to submit your filing fee, if applicable, during the electronic submission process. Filing fees can be paid via electronic bank account debit or credit card.

During the eFiling process, you will be prompted to select your file(s) for upload from your computer.

Page 3 - Instructions

Filing Fee

No filing fee is required if you are submitting a self-certification or self-recertification of your facility as a QF pursuant to 18 C.F.R. § 292.207(a).

A filing fee is required if you are filing either of the following:

(1) an application for Commission certification or recertification of your facility as a QF pursuant to 18 C.F.R. § 292.207(b), or (2) a petition for declaratory order granting waiver pursuant to 18 C.F.R. § 292.204(a)(3) and/or 292.205(c).

The current fees for applications for Commission certifications and petitions for declaratory order can be found by visiting the Commission's QF website at www.ferc.gov/QF and clicking the Fee Schedule link.

You will be prompted to submit your filing fee, if applicable, during the electronic filing process described on page 2.

Required Notice to Utilities and State Regulatory Authorities

Pursuant to 18 C.F.R. § 292.207(a)(ii), you must provide a copy of your self-certification or request for Commission certification to the utilities with which the facility will interconnect and/or transact, as well as to the State regulatory authorities of the states in which your facility and those utilities reside. Links to information about the regulatory authorities in various states can be found by visiting the Commission's QF website at <u>www.lerc.gov/QF</u> and clicking the Notice Requirements link.

What to Expect From the Commission After You File

An applicant filling a Form SS6 electronically will receive an email message acknowledging receipt of the filing and showing the docket number assigned to the filing. Such email is typically sent within one business day, but may be delayed pending confirmation by the Secretary of the Commission of the contents of the filing.

An applicant submitting a self-certification of QF status should expect to receive no documents from the Commission, other than the electronic acknowledgement of receipt described above. Consistent with its name, a self-certification is a certification by the opplicant itself that the facility meets the relevant requirements for QF status, and does not involve a determination by the Commission as to the status of the facility. An acknowledgement of receipt of a self-certification, in particular, does not represent a determination by the Commission with regard to the QF status of the facility. An applicant self-certifying may, however, receive a rejection, revocation or deficiency letter if its application is found, during periodic compliance reviews, not to comply with the relevant requirements.

An applicant submitting a request for Commission certification will receive an order either granting or denying certification of QF status, or a letter requesting additional information or rejecting the application. Pursuant to 18 C.F.R. § 292.207(b)(3), the Commission must act on an application for Commission certification within 90 days of the later of the filing date of the application or the filing date of a supplement, amendment or other change to the application.

Waiver Requests

18 C.F.R. § 292.204(a)(3) allows an applicant to request a waiver to modify the method of calculation pursuant to 18 C.F.R. § 292.204(a)(2) to determine if two facilities are considered to be located at the same site, for good cause. 18 C.F.R. § 292.205(c) allows an applicant to request waiver of the requirements of 18 C.F.R. § 522.205(a) allows in a policant to request waiver of the requirements of 18 C.F.R. § 292.205(a) allows the facility will produce significant energy savings. A request for waiver of these requirements must be submitted as a petition for declaratory order, with the appropriate filing fee for a petition for declaratory order. Applicants requesting Commission recertification as part of a request for waiver of one of these requirements should electronically submit their completed Form S56 along with their petition for declaratory order, rather than filing their Form S56 as a separate request for Commission recertification. Only the filing fee for the petition for declaratory order must be paid to cover both the waiver request for the request for recertification.

18 C.F.R. § 292.203(d)(2) allows an applicant to request a waiver of the Form 556 filing requirements, for good cause. Applicants filing a petition for declaratory order requesting a waiver under 18 C.F.R. § 292.203(d)(2) do not need to complete or submit a Form 556 with their petition.

Geographic Coordinates

If a street address does not exist for your facility, then line 3c of the Form 556 requires you to report your facility's geographic coordinates (latitude and longitude). Geographic coordinates may be obtained from several different sources. You can find links to online services that show latitude and longitude coordinates on online maps by visiting the Commission's QF webpage at www.ferc.gov/QF and clicking the Geographic coordinates on online maps by visiting the Commission's QF webpage at www.ferc.gov/QF and clicking the Geographic coordinates on online maps by visiting the Commission's QF webpage at www.ferc.gov/QF and clicking the Geographic coordinates ink. You may also be able to obtain your geographic coordinates from a GPS device, Google Earth (available free at http://earth.google.com), a property survey, various engineering or construction drawings, a property deed, or a municipal or county map showing property lines.

Filing Privileged Data or Critical Energy Infrastructure Information in a Form 556

The Commission's regulations provide procedures for applicants to either (1) request that any information submitted with a Form S56 be given privileged treatment because the information is exempt from the mandatory public disclosure requirements of the Freedom of Information Act, 5 U.S.C. § 552, and should be withheld from public disclosure; or (2) identify any documents containing critical energy infrastructure information (CEII) as defined in 18 C.F.R. § 388.113 that should not be made public.

If you are seeking privileged treatment or CEII status for any data in your Form 556, then you must follow the procedures in 18 C.F.R. § 388.112. See www.lerc.gov/help/filing-guide/file-ceii.asp for more information.

Among other things (see 18 C.F.R. § 388.112 for other requirements), applicants seeking privileged treatment or CEII status for data submitted in a Form SS6 must prepare and file both (1) a complete version of the Form SS6 (containing the privileged and/or CEII data), and (2) a public version of the Form SS6 (with the privileged and/or CEII data redacted). Applicants preparing and filing these different versions of their Form SS6 must indicate below the security designation of this version of their document. If you are not seeking privileged treatment or CEII status for any of your Form SS6 data, then you should not respond to any of the Items on this page.

Non-Public: Applicant is seeking privileged treatment and/or CEII status for data contained in the Form SS6 lines
Indicated below. This non-public version of the applicant's Form SS6 contains all data, including the data that is redacted
In the (separate) public version of the applicant's Form SS6.

Public (redacted): Applicant is seeking privileged treatment and/or CEII status for data contained in the Form SS6 lines
Indicated below. This public version of the applicants's Form SS6 contains all data <u>except</u> for data from the lines
Indicated below, which has been redacted.

Privileged: Indicate below which lines of your form contain data for which you are seeking privileged treatment

Critical Energy Infrastructure Information (CEII): Indicate below which lines of your form contain data for which you are seeking CEII status

The eFiling process described on page 2 will allow you to identify which versions of the electronic documents you submit are public, privileged and/or CEII. The filenames for such documents should begin with "Public", "Priv", or "CEII", as applicable, to clearly indicate the security designation of the file. Both versions of the Form SS6 should be unaitered PDF copies of the Form SS6, as available for download from <u>www.ferc.gov/OF</u>. To redact data from the public copy of the submittal, simply omit the relevant data from the Form. For numerical fields, leave the redacted fields blank. For text fields, complete as much of the field as possible, and replace the redacted portions of the field with the word "REDACTED" in brackets. Be sure to identify above <u>all</u> fields which contain data for which you are seeking non-public status.

The Commission is not responsible for detecting or correcting filer errors, including those errors related to security designation. If your documents contain sensitive information, make sure they are filed using the proper security designation. Schedule 201 Standard Renewable Off-System Non-Variable Power Purchase Agreement Form Effective September 23, 2015

7.

EXHIBIT C REQUIRED FACILITY DOCUMENTS

Sellers Generation Interconnection Agreement with interconnecting utility

Firm Transmission Agreement between Seller and Transmission Provider

Local Building Permit

Air Contamination Discharge Permit

Engineering, Procurement and Construction Contract

conditional permits use as required

Access Permits if required

EXHIBIT D START-UP TESTING

Required factory testing includes such checks and tests necessary to determine that the equipment systems and subsystems have been properly manufactured and installed, function properly, and are in a condition to permit safe and efficient start-up of the Facility, which may include but are not limited to (as applicable):

- Pressure tests of all steam system equipment;
- Calibration of all pressure, level, flow, temperature and monitoring instruments;
- Operating tests of all valves, operators, motor starters and motor;
- 4. Alarms, signals, and fail-safe or system shutdown control tests;
- Insulation resistance and point-to-point continuity tests;
- Bench tests of all protective devices;
- 7. Tests required by manufacturer of equipment; and
- 8. Complete pre-parallel checks with PGE.

Required start-up test are those checks and tests necessary to determine that all features and equipment, systems, and subsystems have been properly designed, manufactured, installed and adjusted, function properly, and are capable of operating simultaneously in such condition that the Facility is capable of continuous delivery into PGE's electrical system, which may include but are not limited to (as applicable):

- 1. Turbine/generator mechanical runs including shaft, vibration, and bearing temperature measurements;
- Running tests to establish tolerances and inspections for final adjustment of bearings, shaft run-outs;
- Brake tests;
- 4. Energization of transformers;
- 5. Synchronizing tests (manual and auto);
- Stator windings dielectric test;
- Armature and field windings resistance tests;
- Load rejection tests in incremental stages from 5, 25, 50, 75 and 100 percent load;
- 9. Heat runs;
- 10. Tests required by manufacturer of equipment;
- 11. Excitation and voltage regulation operation tests;
- 12. Open circuit and short circuit; saturation tests;
- 13. Governor system steady state stability test;
- 14. Phase angle and magnitude of all PT and CT secondary voltages and currents to protective relays, indicating instruments and metering;
- 15. Auto stop/start sequence;
- 16. Level control system tests; and
- 17. Completion of all state and federal environmental testing requirements.

Schedule 201 Standard Renewable Off-System Non-Variable Power Purchase Agreement Form Effective September 23, 2015

EXHIBIT E SCHEDULE

.

Standard Renewable Off-System Non-Variable Power Purchase Agreement Form Effective September 23, 2015

Portland General Electric Company

Sheet No. 201-13

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

					T	ABLE 4a						-
_					Renewabl	e Avoide	d Costs				-	
			Re	newable i	Fixed Prin	ce Option	for Base	Load Q	F			
				0	n-Peak F	orecast	\$MMYH]					
1					1		1					-
Year	Jan	Feb	Mar	Apr	Mary	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	31.13	25.13	26,13	21.88	22.88	25.13	33.13	34 73	29.83	27.38	28 58	33.13
2016	31.58	30 18	27.08	25,00	24,98	23.21	32,05	3641	32.37	31.12	32.12	34 58
2017	34.27	32.71	29.35	23.29	27.50	25.55	34.68	39.41	35.01	33.98	35.07	37.78
2018	36.61	34.95	31.34	29.68	29.00	26.82	37.10	42.28	37.53	36.07	37.24	40.12
2019	38.30	36.56	32.79	31.05	30.19	28.05	38.88	44.22	39.27	37.74	38.96	41.97
2020	130.42	130.40	129.50	130.04	133.82	132.78	132.39	132.24	130.72	129.59	130.57	129 37
2021	133.38	133.64	131.88	133.13	136.49	135.59	134 91	135.52	133.73	132.54	134.08	132.51
2022	138 24	136.10	133 85	135.90	130.41	138.20	137.67	137.02	136.32	135.14	138.83	135 12
2023	139.39	133.88	136.54	139.99	141.98	141.01	140.00	140 17	139.18	137.61	139.53	138 53
2024	141.20	141.38	139.07	141.45	144.67	143.47	143.33	143.02	142.81	132.99	141.17	141.32
2025	144.44	144.83	142.24	145.02	149.08	147.80	148.57	148.72	145.78	143.11	144.48	144.07
2026	145.08	147.00	145.97	148.54	153.90	149.69	149.09	150.17	149.84	146.23	148.30	147.27
2027	150.98	150.46	148.51	151.01	158.07	152.64	152.20	153.90	152.54	149.20	150.73	150.17
2028	153.78	152.55	150.18	154.12	180,88	154.93	156.77	155.78	154.75	152.38	153.85	152.73
2029	157.02	156.74	153.00	157.50	189.40	159.30	159.39	159,39	159.45	155.49	158.44	158 31
2030	160.28	159 94	157 24	56 051	173.85	164.43	181.29	161.75	163 38	158.51	159.19	159 23
2031	183.23	102,04	100.72	164.67	177.15	189.11	164.90	100 01	106.26	161.75	183.08	162.54
2032	165.75	165.16	163.21	187.22	179.91	171.73	167.46	168.59	108.84	164,26	165,59	165.06
2033	169.59	168.98	100.98	171.09	184.00	175.70	171.33	172.48	172.74	108.00	169.41	168.88
2034	173.01	172.30	170.38	174.55	187.78	179.24	174.79	175.97	176.23	171.48	172.84	172.29
2035	176.35	175.72	173.05	177.91	191.39	182.70	178.18	179.38	179.63	174.78	176.17	175.82
2036	179.40	178.76	176.65	180.99	194.09	185.85	181.34	182.48	182.74	177,79	179.22	178.65
2037	183.23	182.57	180.41	184.85	199,85	189.82	185,10	188.35	196.63	181.58	183.04	182,46
2038	188 76	135 09	123.90	158.42	202,69	193.48	188 68	129 95	190.23	185.09	128.57	195 98
2039	190.37	189.68	187.44	192.05	205.60	197.22	192,32	193.81	193.91	188.65	190.17	189.57
2040	193,68	192.98	190.09	195.37	210.16	200.82	195.64	198.68	197.28	191.92	193.46	192.85

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Sheet No. 201-14

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

					T/	BLE 4b						
				F	lenewabl	e Avoide	d Costs				-	
			Re	newable l	fixed Pric	e Option	for Base	e Load O	F			Terroral A
		-		0	ff-Peak F	orecast	SHAWH)					
17	1	1	1	1	A	1	1		-	1	1	
Year	Jan	Feb	Mar	Apr	Mary	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	26 88	20 38	20.88	15.88	17.89	19 13	23.89	28 13	25 63	23,13	25.38	29.38
2016	27.21	28 14	23.47	18.89	18.80	13.58	23.28	27.89	25.66	27.45	28,12	30 28
2017	30.42	29 21	28,19	21.62	19.38	15.58	25.52	30 84	28.17	30.08	30.82	33.18
2018	32.75	31.44	28.18	22.35	20.04	18.11	27.65	33.58	30.88	33.04	33.86	38.47
2019	34,58	33.20	29.75	23.58	21.14	10.58	29.51	35.40	32.58	34.29	35.78	38.52
2020	74.05	74.35	78.18	74.70	70.70	70.98	71.32	7270	73.76	75.21	74.98	75.50
2021	78.61	75 89	77.70	76.08	72.65	72.71	73.48	73.88	75.25	77.08	74.79	78.90
2022	77.70	77.31	79.98	77.27	73,69	74.12	75.90	74.74	78.89	79.10	78.00	78.21
2023	78.70	78.78	81.53	79.38	74.14	75.53	77.17	78.51	78.04	80.71	77.14	79.90
2024	79.35	79 42	\$3.14	78.18	74.55	77.78	78.40	76.83	78.01	81.03	79.55	80.22
2025	80.96	80.94	54.88	80.33	74.54	78,20	78.02	79.19	79 32	82.81	82.21	81.48
2026	81.35	82.42	25.28	80.89	75.34	70.31	79.11	79.94	79.12	83.91	82.41	82.47
2027	84.14	84.11	86.28	82.90	75.15	80.77	£1.18	80.43	80.90	86.39	83.38	83.99
2028	85.29	86.01	88.97	85.07	74.43	82.57	82.76	81.19	82.83	87.00	84.33	86.62
2029	85 87	86 84	90.61	88.72	68.73	82.63	84.21	82.59	84.30	88.00	88.85	88.12
2030	87.21	88.28	92.46	86.89	68.43	83.64	84.98	85.17	84.95	89.88	88.91	30.94
2031	89.10	60.50	93.00	87,32	89.81	83 38	85.78	88.97	85.14	91.14	90.93	90.04
2032	90.57	92.00	95.23	33.76	70.97	84.75	88.21	88.41	38.54	\$2.64	92.44	91.53
2033	92.57	94 03	\$7.34	90.72	72.53	86.63	90,18	90.30	88.40	94.09	94,49	93.55
2034	94.38	95.84	84.22	92.47	73.93	88,30	\$1.90	92.10	\$0.16	\$6.52	98.30	95.30
2035	96.18	97.89	101.13	94.25	75.38	90.00	\$3.68	\$3.88	91.90	96.38	98,16	97.20
2036	97.77	89.31	102.80	95.81	78.61	91.49	\$5.22	95.43	\$3.42	100.00	99.78	98.80
2037	89 93	101.50	105.07	97.93	78.30	93.51	97.33	97.54	\$5.49	102.21	101.99	100 99
2038	101.86	103.46	107.10	99.82	79,91	95.31	99,20	69.42	97.33	104.19	103.95	102.93
2039	103.82	105 48	109.17	101,74	81,35	97.15	101.12	101.34	99 21	108.20	105.98	104 92
2040	105.54	107.20	110.97	103.42	82.89	98.76	102.79	103.02	100.85	107.95	107.71	108.65

Effective for service on and after September 23, 2015

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Sheet No. 201-1

SCHEDULE 201 QUALIFYING FACILITY 10 MW or LESS AVOIDED COST POWER PURCHASE INFORMATION

PURPOSE

To provide information about Standard Avoided Costs and Renewable Avoided Costs, Standard Power Purchase Agreements (PPA) and Negotiated PPAs, power purchase prices and price options for power delivered by a Qualifying Facility (QF) to the Company with nameplate capacity of 10,000 kW (10MW) or less.

AVAILABLE

To owners of QFs making sales of electricity to the Company in the State of Oregon (Seller).

APPLICABLE

For power purchased from small power production or cogeneration facilities that are QFs as defined in 18 Code of Federal Regulations (CFR) Section 292, that meet the eligibility requirements described herein and where the energy is delivered to the Company's system and made available for Company purchase pursuant to a Standard PPA.

ESTABLISHING CREDITWORTHINESS

The Seller must establish creditworthiness prior to service under this schedule. For a Standard PPA, a Seller may establish creditworthiness with a written acknowledgment that it is current on all existing debt obligations and that it was not a debtor in a bankruptcy proceeding within the preceding 24 months. If the Seller is not able to establish creditworthiness, the Seller must provide security deemed sufficient by the Company as set forth in the Standard PPA.

POWER PURCHASE INFORMATION

A Seller may call the Power Production Coordinator at (503) 464-8000 to obtain more information about being a Seller or how to apply for service under this schedule.

PPA

In accordance with terms set forth in this schedule and the Commission's Rules as applicable, the Company will purchase any Energy in excess of station service (power necessary to produce generation) and amounts altributable to conversion losses, which are made available from the Seller.

A Seller must execute a PPA with the Company prior to delivery of power to the Company. The agreement will have a term of up to 20 years as selected by the QF.

A QF with a nameplate capacity rating of 10 MW or less as defined herein may elect the option of a Standard PPA. Portland General Electric Company

Sheet No. 201-2

SCHEDULE 201 (Continued)

PPA (Continued)

Any Seller may elect to negotiate a PPA with the Company. Such negotiation will comply with the requirements of the Federal Energy Regulatory Commission (FERC), and the Commission including the guidelines in Order No. 07-360, and Schedule 202. Negotiations for power purchase pricing will be based on either the filed Standard Avoided Costs or Renewable Avoided Costs in effect at that time.

STANDARD PPA (Nameplate capacity of 10 MW or less)

A Seller choosing a Standard PPA will complete all informational and price option selection requirements in the applicable Standard PPA and submit the executed Agreement to the Company prior to service under this schedule. The Standard PPA is available at <u>www.portlandgeneral.com</u>. The available Standard PPAs are:

- · Standard In-System Non-Variable Power Purchase Agreement
- Standard Off-System Non-Variable Power Purchase Agreement
- Standard In-System Variable Power Purchase Agreement
- * Standard Off-System Variable Power Purchase Agreement
- Standard Renewable In-System Non-Variable Power Purchase Agreement
- Standard Renewable Off-System Non-Variable Power Purchase Agreement.
- Standard Renewable In-System Variable Power Purchase Agreement
- Standard Renewable Off-System Variable Power Purchase Agreement

The Standard PPAs applicable to variable resources are available only to QFs utilizing wind, solar or run of river hydro as the primary motive force.

GUIDELINES FOR 10 MW OR LESS FACILITIES ELECTING STANDARD PPA

To execute the Standard PPA the Seller must complete all of the general project information requested in the applicable Standard PPA.

When all information required in the Standard PPA has been received in writing from the Seller, the Company will respond within 15 business days with a draft Standard PPA.

The Seller may request in writing that the Company prepare a final draft Standard PPA. The Company will respond to this request within 15 business days. In connection with such request, the QF must provide the Company with any additional or clarified project information that the Company reasonably determines to be necessary for the preparation of a final draft Standard PPA.

When both parties are in full agreement as to all terms and conditions of the draft Standard PPA, the Company will prepare and forward to the Seller a final executable version of the agreement within 15 business days. Following the Company's execution, an executed copy will be returned to the Seller. Prices and other terms and conditions in the PPA will not be final and binding until the Standard PPA has been executed by both parties.

Effective for service on and after September 23, 2015

Sheet No. 201-3

SCHEDULE 201 (Continued)

OFF-SYSTEM PPA

A Seller with a facility that interconnects with an electric system other than the Company's electric system may enter into a PPA with the Company after following the applicable Standard or Negoliated PPA guidelines and making the arrangements necessary for transmission of power to the Company's system.

BASIS FOR POWER PURCHASE PRICE

AVOIDED COST SUMMARY

The power purchase prices are based on either the Company's Standard Avoided Costs or Renewable Avoided Costs in effect at the time the agreement is executed. Avoided Costs are defined in 18 CFR 292.101(6) as "the incremental costs to an electric utility of electric energy or capacity or both which, but for the purchase from the qualifying facilities, such utility would generate itself or purchase from another source."

Monthly On-Peak prices are included in both the Standard Avoided Costs as listed in Tables 1a, 2a, and 3a and Renewable Avoided Costs as listed in Tables 4a, 5a, and 6a. Monthly Off-Peak prices are included in both the Standard Avoided Costs as listed in Tables 1b, 2b, and 3b and Renewable Avoided Costs as listed in Tables 4b, 5b, and 6b.

ON-PEAK PERIOD

The On-Peak period is 6:00 a.m. until 10:00 p.m., Monday through Saturday.

OFF-PEAK PERIOD

The Off-Peak period is 10:00 p.m. until 6:00 a.m., Monday through Saturday, and all day on Sunday.

Standard Avoided Costs are based on forward market price estimates through the Resource Sufficiency Period, the period of time during which the Company's Standard Avoided Costs are associated with incremental purchases of Energy and capacity from the market. For the Resource Deficiency Period, the Standard Avoided Costs reflect the fully allocated costs of a natural gas fueled combined cycle combustion turbine (CCCT) including fuel and capital costs. The CCCT Avoided Costs are based on the variable cost of Energy plus capitalized Energy costs at a 93% capacity factor based on a natural gas price forecast, with prices modified for shrinkage and transportation costs.

Renewable Avoided Costs are based on forward market price estimates through the Renewable Resource Sufficiency Period, the period of time during which the Company's Renewable Avoided Costs are associated with incremental purchases of energy and capacity from the market. For the Renewable Resource Deficiency Period, the Renewable Avoided Costs reflect the fully allocated costs of a wind plant including capital costs.

> Effective for service on and after September 23, 2015

Portland General Electric Company

Sheet No. 201-4

SCHEDULE 201 (Continued)

PRICING FOR STANDARD PPA

Pricing represents the purchase price per MWh the Company will pay for electricity delivered to a Point of Delivery (POD) within the Company's service territory pursuant to a Standard PPA up to the nameplate rating of the QF in any hour. Any Energy delivered in excess of the nameplate rating will be purchased at the applicable Off-Peak Prices for the selected pricing option.

The Standard PPA pricing will be based on either the Standard or Renewable Avoided Costs in effect at the time the agreement is executed.

The Company will pay the Seller either the Off-Peak Standard Avoided Cost pursuant to Tables 1b, 2b, or 3b or the Off-Peak Renewable Avoided Costs pursuant to Tables 4b, 5b, or 6b for: (a) all Net Output delivered prior to the Commercial Operation Date; (b) all Net Output deliveries greater than Maximum Net Output in any PPA year; (c) any generation subject to and as adjusted by the provisions of Section 4.3 of the Standard PPA; (d) Net Output delivered in the Off-Peak Period; and (e) deliveries above the nameplate capacity in any hour. The Company will pay the Seller either the On-Peak Standard Avoided Cost pursuant to Tables 1a, 2a, or 3a or the On-Peak Renewable Avoided Costs pursuant to Tables 4a, 5a, or 6a for all other Net Output. (See the PPA for defined terms.)

1) Standard Fixed Price Option

The Standard Fixed Price Option is based on Standard Avoided Costs including forecasted natural gas prices, It is available to all QFs.

This option is available for a maximum term of 15 years. Prices will be as established at the time the Standard PPA is executed and will be equal to the Standard Avoided Costs in Tables 1a and 1b, 2a and 2b, or 3a and 3c, depending on the type of QF, effective at execution. QFs using any resource type other than wind and solar are assumed to be Base Load QFs.

Prices paid to the Seller under the Standard Fixed Price Option include adjustments for the capacity contribution of the QF resource type relative to that of the avoided proxy resource. Both the Base Load QF resources (Tables 1a and 1b) and the avoided proxy resource, the basis used to determine Standard Avoided Costs for the Standard Fixed Price Option, are assumed to have a capacity contribution to peak of 100%. The capacity contribution for Wind QF resources (Tables 2a and 2b) is assumed to be 5%. The capacity contribution for Solar QF resources (Tables 3a and 3b) is assumed to be 5%.

Prices paid to the Seller under the Standard Fixed Price Option for Wind QFs (Tables 2a and 2b) include a reduction for the wind integration costs in Table 7. However, if the Wind QF is outside of PGE's Balancing Authority Area as contemplated in the Commission's Order No. 14-058, the Seller is paid the wind Integration charges in Table 7, in addition to the prices listed in Tables 2a and 2b, for a net-zero effect.

Sheet No. 201-5

Portland General Electric Company

Sheet No. 201-6

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Standard Fixed Price Option (Continued)

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Sellers with PPAs exceeding 15 years will receive pricing equal to the Mid-C Index Price for all years up to five in excess of the initial 15.

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Standard Fixed Price Option (Continued)

1		-			T	ABLE 1a		~				
1000	100.00	2. 2	-		Ava	Ided Cos	15		-			
		_	St	andard F	ixed Pric	e Opilon	for Base	Load QF		11.0		
			_	0	n-Peak F	orecast	\$/MWH)		-			_
1	1			1						1		
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Noy	Dec
2015	31.13	25,13	26.13	21.88	22.88	25.13	33,13	34.73	29.63	27,38	28.88	33,13
2016	31.43	30,01	26.93	25.51	24.81	23.06	31.90	38.26	32.22	30.97	31.97	34.43
2017	34.12	32.56	29.20	28.13	27.35	25.40	34.51	39.26	34.85	33.83	34.92	37.63
2018	36.46	34.80	31.19	29.53	28.71	26.67	37.01	42.11	37.38	35.92	37.09	39.97
2019	38.14	36.40	32.63	30.89	30.03	27.89	38.72	44.06	39.11	37.58	38.80	41.81
2020	40.36	38.51	34.52	32.68	31.77	29.50	40.97	46.62	41.38	39.76	41.05	44.25
2021	78.65	78,41	74.08	73,15	73.29	73,45	73.59	73,74	73.90	74.05	76,07	77,39
2022	79.87	80,05	78.71	76.75	76.53	76.61	76.77	76,94	77.11	77.75	80.48	81.61
2023	82.88	82.91	80.52	79.06	78.47	78.48	78.64	78.81	78.99	79.72	82.44	83.38
2024	85.05	84,50	82.79	81.04	80.24	79.89	80.07	80,24	80.42	81.68	83.94	84.91
2025	87.42	86.98	85.17	83.82	83.53	83.72	83,91	84.10	84.30	84.97	88.09	89,08
2026	93.67	93,90	93.15	91.55	91.31	91.55	91.77	92.00	92.24	93.05	96.36	97.00
2027	98.91	99,16	94.04	92.43	92.18	92.41	92.63	92.86	93,10	93.79	97.14	98.19
2028	99.59	99.83	95.18	93.58	93.32	93.56	93.78	94.01	94.25	94.96	98.47	99.54
2029	102.08	101.44	98.36	96.44	95.98	96.23	96.46	96.70	96.95	97.67	101.14	103.35
2030	104.39	104.04	99.48	97.63	97.34	97.59	97.83	98.07	98.32	99.06	102.58	105.91
2031	105.92	105,62	101.91	99,62	99,32	99.57	99.81	100.05	100,31	101.06	104.65	105.79
2032	107.68	107,37	103.59	101.25	100.94	101.20	101,44	101.69	101,95	102.73	106.38	107,54
2033	110.15	109.84	105.98	103,61	103.29	103.55	103.80	104.05	104.32	105.10	108.83	110.01
2034	112.43	112,11	108.18	105.75	105.43	105.69	105,95	106.21	106.48	107.28	111.05	112.29
2035	114.62	114.29	110.28	107.81	107.48	107.75	108.01	108.27	108.55	109.37	113.24	114.47
2038	115,98	116.65	112.56	110.04	109.70	109.97	110.24	110.51	110.79	111.62	115.57	116,83
2037	119.72	119.38	115.21	112.64	112.29	112.57	112.84	113.12	113.41	114,26	118.29	119.57
2038	122,36	122.01	117.76	115.14	114.79	115.08	115.35	115.63	115.93	116.79	120,90	122.21
2039	124.88	124.52	120.19	117.52	117.16	117.45	117.73	118.02	118,32	119,20	123.39	124.72
2040	127.74	127.37	122.95	120.23	119.86	120.16	120.45	120.74	121.04	121.94	126.22	127.57

Effective for service on and after September 23, 2015

Sheet No. 201-7

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Standard Fixed Price Option (Continued)

					T	ABLE 10								
	-		up la		Avo	ded Cos	ls	aline		-	Contra la			
			St	andard F	ixed Pric	e Option	for Base	Load QF	<u>6</u> —					
_				0	ff-Peak F	orecast (\$/MWH)		-					
	with the last with the last with the													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
2015	26.88	20.38	20.88	15.68	17.88	19.13	23.88	26.13	25.63	23.13	25.38	28.38		
2016	27.06	25.99	23.32	18.54	16,65	13,43	23.13	27.74	25.51	27.30	27.97	30,11		
2017	30.27	29.06	26,04	21.47	19.23	15.43	25.37	30,49	28.02	29.93	30.67	33.03		
2018	32.60	31.29	28,03	22.20	19,89	15,96	27.80	33,43	30,71	32.89	33.71	36.32		
2019	34,42	33,04	29,59	23,42	20.98	16.82	29.35	35.30	32.42	34.73	35,60	38.35		
2020	36,91	35.42	31.72	25.08	22.46	17.99	31.45	37.85	34.75	37.24	38.17	41.14		
2021	40.11	39.67	35.54	34.60	34.75	34.90	35.05	35.20	35.36	35.51	37.52	38.85		
2022	40.59	40.76	39.42	37.47	37.25	37.32	37.46	37.65	37.B2	38.46	41.19	42,33		
2023	42.71	42.74	40.35	38.89	38.29	38.30	38,47	38,64	38,82	39.55	42.26	43.21		
2024	44.36	43.81	42.10	40.35	39.55	39.21	39.38	39.55	39.73	40.99	43.26	44.22		
2025	45.81	45.38	43.57	42.22	41.92	42.12	42.30	42.49	42.69	43.37	46.48	47,48		
2026	51.27	51.49	50.74	49.14	48.90	49.14	49.36	49.60	49.64	50.64	53.95	54,59		
2027	55,68	55.93	50.81	49.20	48.95	49.16	49.41	49.63	49.87	50.56	53.91	54.97		
2028	55.52	55,77	51.12	49,52	49.26	49.50	49.72	49,95	50.19	50.90	54.41	55.48		
2029	57.17	56.53	53.44	51.52	51.07	51.31	\$1.55	51.79	52.04	52,76	56,23	58.44		
2030	58.61	58.26	53,70	51.85	51.57	51,81	52.05	52.29	52.54	53,28	56,80	60.13		
2031	59.26	58,95	55.25	52.96	52.65	52.90	53,14	53,39	53,64	54,40	57.98	59,12		
2032	60.42	60.11	56.33	54.00	53,68	53.94	54.18	54.43	54.69	55.46	59,12	60.28		
2033	61.67	61.36	57.50	55.13	54,81	55.07	55.32	55.57	55.84	56.62	60.35	61.53		
2034	62.85	62.53	58.60	56.18	55.65	56.12	56.37	56.53	56.90	57.70	61.50	62.71		
2035	64.25	63.92	59.91	57.44	57.11	57.38	57.64	57.90	58.18	59.00	62.87	64.10		
2036	65.80	65.47	61.38	58.86	58.52	56.80	59.06	59.33	59.61	60.44	64.40	65.65		
2037	67,39	67.04	62.87	60,31	59,98	60.24	60.51	60,79	61.07	61.92	65,95	67.23		
2038	69.02	68.67	64.42	61,80	61.44	61.73	62.01	62.29	62.58	63.45	67.56	66.86		
2039	70.51	70,15	65.82	63.14	52.78	63.08	63,36	63.64	63.94	64.83	69.02	70.35		
2040	72.31	71.95	67.53	64.61	64.44	64.74	65.02	65.32	65,62	66.52	70.79	72.15		

Portland General Electric Company

Sheet No. 201-8

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Standard Fixed Price Option (Continued)

		-			Ť	ABLE 20				-		-
1000	-		Sec. Sec.		Avo	ded Cost	15		Sec. 1	1	1000	
		0000		Standard	Fixed P	rice Optie	on for Wi	ind QF				
			_	0	n-Peak F	orecast (\$/MWH)		_			
		_				1		-		-		_
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	AUR	Sep	Oct	Nov	Dec
2015	27.36	21.35	22.36	18.11	19.11	21.36	29.36	30.96	25.88	23.61	25.11	29.35
2016	27,59	26.17	23.09	21.67	20.97	19,22	28.06	32.42	28.38	27.13	28.13	30,59
2017	30,21	28.65	25.29	24.22	23.44	21.49	30.60	35.35	30.95	29.92	31.01	33.72
2018	32.47	30.81	27,20	25.54	24.72	22.68	33.02	38,12	33.39	31.93	33.10	35.98
2019	34.07	32.33	28.56	26.82	25.96	23.82	34,65	39.99	35.04	33.51	34.73	37.74
2020	36,21	34.36	30.37	28.53	27,62	25,35	36.62	42.47	37.23	35.61	36.91	40.10
2021	37.81	37.56	33.23	32.30	32.45	32.60	32,75	32.90	33.05	33.21	35.22	36.54
2022	38,24	36.42	37,08	35.12	34.90	34.96	35,14	35.30	35.47	36.11	38.85	39.98
2023	40.33	40.35	37.97	36,51	35.91	35,92	36,09	35.26	36.43	37.17	39.88	40.83
2024	41.92	41.37	39,65	37.92	37.11	36.77	36,94	37.12	37.30	38.56	40.82	41.79
2025	43,33	42.90	41.09	39.74	39.44	39,64	39.62	40.02	40.21	40.89	44.00	45.00
2026	46.74	48.96	48.21	45,61	45.37	46.61	46.83	47.07	47.31	48.11	51.42	52.06
2027	53,11	53.35	48.23	45.62	46.37	46.60	46.83	47.05	47.29	47.99	51.33	52.39
2028	52,90	53.14	48,49	46.89	46.63	46.87	47.10	47.32	47.56	48.27	51.78	52.85
2029	54.50	53.85	50,77	48.85	48.40	48.64	45.87	49.11	49.36	50.09	53.55	55,76
2030	55.88	55.53	50.97	49,12	48.83	49.08	49.32	49.56	49.81	50.55	54.07	57,40
2031	56.47	56.17	52.46	50.18	49.87	50.12	50.36	50.60	50.86	51.61	55.20	56.34
2032	57,57	57.26	53,48	51,15	50,84	51.09	51,34	51.59	51,85	52.62	56.27	57.43
2033	58,79	56.47	54.62	52.24	51.92	52.1B	52.43	52.68	52.95	53.74	57.46	56.65
2034	59,91	59.59	55,66	53.24	52,91	53.18	53,43	53,69	53,96	54,76	58,56	59,77
2035	61.25	60.92	56.91	54.44	54,11	54,38	54,64	54.90	55.18	56.00	59.87	61,10
2036	62.73	62.40	58.31	55.79	55,45	55.72	55.99	56.26	56.54	57.37	61.32	62.58
2037	64.26	63.92	59.75	57.18	56,83	57.12	57.39	57,66	57,85	58.80	62.83	64.11
2038	65,84	65.49	61.24	58.62	58.26	58.55	58.82	59.11	59.40	60.27	64.37	65,68
2039	67.26	66.91	62.57	58.90	59.54	59.84	60.12	60,40	60.70	61.58	65.77	67.11
2040	69.00	58.64	64.22	61.50	61.13	61.43	51.71	62.01	62.31	63.21	67.49	68.84

Effective for service on and after September 23, 2015

Sheet No. 201-9

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Standard Fixed Price Option (Continued)

					T/	ABLE 2b						
	-	(Avo	ded Cos	18			-	2	
				Standard	Fixed P	rice Optil	on for Wi	nd QF				
				0	fl-Peak F	orecest	\$/MWH)	2.5				
	· · · · · ·					1				-44		
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	23.11	16.61	17.11	12.11	14.11	15.36	20,11	22.36	21.86	19.36	21,61	24.61
2018	23.22	22.15	19.48	14.70	12.81	9.59	19.29	23.90	21.67	23,46	24.13	26.27
2017	26.36	25.15	22.13	17.56	15.32	11.52	21.46	26.58	24.11	26.02	26.76	29.12
2016	28.61	27.30	24.04	18,21	15,90	11.97	23.81	29.44	26.72	28.90	29.72	32.33
2019	30.35	28.97	25.52	19.35	16.91	12.75	25.28	31.23	28.35	30.66	31.53	34.29
2020	32.76	31.27	27.57	20.93	18.31	13.84	27.30	33.70	30.60	33,09	34.02	36.99
2021	35.88	35.64	31.31	30.37	30,52	30.67	30.82	30.97	31.13	31.28	33.29	34.62
2022	36.28	36.45	35.11	33,16	32.94	33.01	33.17	33.34	33.51	34.15	36.68	38.02
2023	38,32	38,35	35,96	34.50	33.90	33.91	34.08	34.25	34.43	35.16	37.87	38,82
2024	39.89	39.34	37.63	35,88	35.08	34.74	34.91	35.08	35,26	36.52	38.79	39,75
2025	41.25	40,82	39.01	37.66	37.36	37.56	37.74	37.93	38,13	38,81	41.92	42.92
2026	45.62	46.84	46,09	44,49	44.25	44.49	44,71	44.95	45,19	45.99	49.30	49,94
2027	50,94	51,19	46,07	44.48	44.21	44.44	44.87	44.89	45.13	45.82	49.17	50.23
2028	50,69	50.94	46.29	44,89	44.43	44,67	44.89	45.12	45.35	48.07	49.58	50,65
2029	52.25	51.61	48.52	46.60	46.15	46.39	46,63	46.87	47.12	47.84	51.31	53,52
2030	53,59	53.24	48.68	46.83	46.55	46,79	47.03	47.27	47.52	48.26	51.78	55,11
2031	54,14	53.83	50,13	47.84	47.53	47.78	48.02	46.27	48.52	49.28	52.88	54.00
2032	55.21	54,90	51.12	46,79	48.47	48.73	48.97	49.22	49.48	50.25	53.91	55.07
2033	56.36	56.05	52,19	49.82	49.50	49.76	50.01	50.26	50.53	51.31	55.04	56.22
2034	57.43	57.11	53.18	50.76	50.43	50,70	50.95	51.21	51.48	52.28	56.08	57.29
2035	58.73	58,40	54,39	51.92	51.59	51.86	52.12	52.38	52.66	53,48	57.35	58.58
2036	50.17	59.84	55.75	53.23	52.89	53 17	53,43	53,70	53,98	54,81	58,77	60.02
2037	81.65	61.30	57.13	54.57	54.22	54,50	54.77	55.05	55.33	56,18	50.21	61.49
2038	63.17	62.82	58.57	55.95	55.59	55.88	56.16	56.44	56,73	57,60	61.71	63.01
2039	64.55	64.19	59.BE	57.18	56.82	57.12	57.40	57.68	57.88	58.87	63.06	64 39
2040	66 23	65.87	61.45	58.73	58 36	58.66	58.94	59.24	59.54	60.44	64.71	66.07

Portland General Electric Company

Sheet No. 201-10

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Standard Fixed Price Option (Continued)

					T	BLE Ja						
					Avoi	ded Cost	8		and the second			
_			- 11	Standard	Fixed P	ice Optic	n for Sol	lar QF		09-202		-
-	-			0	n-Peak F	precast (S/MWH)					
	i	1. St. 1		-]				1	-		
Year	Jan	Feb	Mar	Apr	May	Jun	Jut	Aug	Sep	Oct	Nov	Doc
2015	31.13	25.13	26.13	21.88	22.88	25,13	33,13	34.73	29,63	27.38	28.88	33.13
2016	31.43	30.01	26.93	25.51	24.81	23,06	31.90	36.26	32.22	30.97	31.97	34,43
2017	34.12	32.56	29.20	28.13	27.35	25.40	34,51	39.26	34,85	33,83	34,92	37.63
2018	36.46	34,80	31.19	29.53	28.71	26.67	37.01	42.11	37.38	35.92	37.09	39,97
2019	38,14	36.40	32.63	30.89	30.03	27.89	36.72	44.06	39.11	37.58	38.80	41.61
2020	40.36	38.51	34.52	32.66	31.77	29.50	40.97	46.62	41.38	39.76	41.06	44.25
2021	42,04	41.79	37.46	36.53	36.68	36.83	36.98	37.13	37.28	37.44	39.45	40.77
2022	42.55	42.73	41.39	39.43	39.21	39.29	39.45	39.61	39,78	40.42	43.16	44.29
2023	44,72	44.75	42,36	40,90	40.30	40.31	40.48	40.65	40.82	41.56	44.27	45.22
2024	46.39	45.84	44.13	42.39	41.58	41.24	41,41	41.59	41.77	43.03	45.29	46.26
2025	47.69	47.46	45.65	44,30	44.00	44.20	44.38	44.58	44.77	45.45	48,56	49.56
2026	53,39	53.61	52,86	51.26	51.02	51,26	51,48	51.72	51.96	52.76	56.07	58.71
2027	57.85	58.09	52.97	51.36	51.11	51.34	51.57	51.80	52.03	52.73	56.07	57.13
2028	57.73	57.97	53.32	51.72	51.46	51.70	51.93	52.15	52.39	53.10	56.61	57.68
2029	59.42	58.77	55.89	53.77	53.32	53.56	53.79	54.03	54.28	55.01	58.47	60.68
2030	60,90	60.55	55.99	54.14	53.85	54.10	54.34	54.58	54.83	55.57	59.09	62.42
2031	61.59	61.29	57.58	55.30	54.99	55.24	55.48	55.72	55,98	56.73	60.32	61.46
2032	62.78	62.47	58.69	56.36	56.05	56,30	56,55	56,80	57.06	57.83	61.48	62.64
2033	64.10	63.78	59.93	57.55	57.23	57.49	57.74	57.99	56.26	59.05	62.77	63.96
2034	65.33	65.01	61.08	58.66	58.33	56.60	58.65	59.11	59.38	60,18	63,98	65.19
2035	68.77	86.44	62,43	59.96	59.83	59.90	60.16	60.42	60.70	61.52	65.39	66.62
2035	68.36	68.03	63,94	61.42	61.08	61.35	61.62	61,89	62,17	63.00	66.95	68.21
2037	70.00	69.66	65,49	62.92	62.57	62.88	63,13	63,40	63.69	64,54	68.57	69.85
2038	71.69	71.34	67.09	64.47	64.11	64.40	64.67	64.96	65.25	66.12	70.22	71.53
2039	73.22	72.87	68,53	65.68	65.50	65.80	65.08	66,36	66.66	67.54	71.73	73.07
2040	75.08	74.72	70.30	67,58	67.21	67.51	67.79	68,09	88.39	69,29	73.57	74,92

Effective for service on and after September 23, 2015

Sheet No. 201-11

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Standard Fixed Price Option (Continued)

					T/	ABLE 35			-		20000	0
			In a reaction of		Avo	ided Cost	15			_		
				Standard	Fixed P	rice Optin	on for So	lar QF			_	
	Off-Peak Forecast (\$/MWH)											
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	26.88	20.38	20.88	15.88	17.88	19.13	23.88	26.13	25.63	23.13	25.38	28 38
2018	27.06	25.99	23.32	18.54	18.65	13.43	23.13	27.74	25.51	27,30	27.97	30,11
2017	30.27	29.06	26.04	21.47	19.23	15.43	25.37	30,49	28.02	29.93	30.67	33,03
2018	32.60	31.29	28.03	22.20	19.89	15.96	27.80	33.43	30.71	32,89	33.71	36,32
2019	34.42	33.04	29.59	23.42	20.98	16.82	29.35	35.30	32.42	34.73	35,60	38,36
2020	36.91	35.42	31.72	25.08	22.46	17.99	31.45	37.85	34,75	37.24	38,17	41.14
2021	40.11	39.87	35.54	34.60	34,75	34,90	35.05	35.20	35.38	35.51	37.52	38,85
2022	40.59	40.76	39.42	37.47	37.25	37.32	37.48	37.65	37.82	38,46	41,19	42.33
2023	42.71	42.74	40.35	38,89	38.29	38.30	38.47	38.64	38.82	39,55	42.26	43.21
2024	44,36	43.81	42,10	40.35	39.55	39.21	39.38	39.55	39.73	40.99	43.26	44.22
2025	45.81	45.38	43.57	42.22	41.92	42.12	42.30	42:49	42.69	43.37	46.48	47,48
2026	51.27	51.49	50.74	49.14	48.90	49.14	49.36	49.60	49,84	50,64	53.95	54.59
2027	55.68	55.93	50.81	49.20	48.95	49.18	49.41	49.63	49,87	50.56	53,91	54.97
2028	55.52	55.77	51.12	49.52	49.26	49.50	49.72	49.95	50.19	50,90	54.41	55.48
2029	57.17	56.53	53.44	51.52	51.07	51.31	51.55	51,79	52.04	52.76	56.23	58,44
2030	58.61	58.28	53.70	51.85	51.57	51.81	52.05	52.29	52.54	53.28	56.80	60.13
2031	59.28	58,95	55.25	52,96	52,65	52.90	53,14	53.39	53,64	54.40	57,98	59.12
2032	60.42	60.11	56.33	54.00	53,68	53.94	54,18	54.43	54.69	55.46	59.12	60,28
2033	61.67	61.38	57.50	55.13	54,81	55.07	55.32	55.57	55.84	56.62	60.35	61,53
2034	62.85	62.53	58.60	56.18	55 85	56.12	56.37	56.63	56.90	57,70	61.50	62.71
2035	64.25	83.92	59.91	57.44	57.11	57.38	57.64	57.90	58.18	59.00	62.87	64,10
2036	65.80	65.47	61.38	58.86	58.52	58.80	59.06	59.33	59.61	60.44	64.40	65,65
2037	67.39	67.04	62.87	60.31	59 96	50.24	60.51	60.79	61.07	61.92	65.95	67.23
2038	69.02	68.67	64 42	61.80	61.44	61.73	62.01	62 29	62.58	63.45	67.56	68.86
2039	70.51	70.15	65.82	63.14	62.78	63.08	63 36	63 64	63.94	64.83	69.02	70.35
2040	72 31	71.95	67.53	64.81	84.44	64.74	65.02	65.32	85.62	66.52	70 79	72.15

Portland General Electric Company

Sheet No. 201-12

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued)

2) Renewable Fixed Price Option

The Renewable Fixed Price Option is based on Renewable Avoided Costs. It is available only to Renewable OFs that generate electricity from a renewable energy source that may be used by the Company to comply with the Oregon Renewable Portfolio Standard as set forth in ORS 469A.005 to 469A.210.

This option is available for a maximum term of 15 years. Prices will be as established at the time the Standard PPA is executed and will be equal to the Renewable Avoided Costs in Tables 4a and 4b, 5a and 5b, or 6a and 6b, depending on the type of QF, effective at execution. QFs using any resource type other than wind and solar are assumed to be Base Load QFs.

Sellers will retain all Environmental Attributes generated by the facility during the Renewable Resource Sufficiency Period. A Renewable OF choosing the Renewable Fixed Price Option must cede all RPS Attributes generated by the facility to the Company during the Renewable Resource Deficiency Period.

Prices paid to the Seller under the Renewable Fixed Price Option include adjustments for the capacity contribution of the QF resource type relative to that of the avoided proxy resource. Both Wind QF resources (Tables 5a and 5b) and the avoided proxy resource, the basis used to determine Renewable Avoided Costs for the Renewable Fixed Price Option, are assumed to have a capacity contribution to peak of 5%. The capacity contribution for Solar QF resources (Tables 6a and 6b) is assumed to be 5%. The capacity contribution for Base Load QF resources (Tables 4a and 4b) is assumed to be 100%.

The Renewable Avoided Costs during the Renewable Resource Deficiency Period reflect an increase for avoided wind integration costs, shown in Table 7.

Prices paid to the Seller under the Renewable Fixed Price Option for Wind QFs (Tables 5a and 5b) include a reduction for the wind integration costs in Table 7, which cancels out wind integration costs included in the Renewable Avoided Costs during the Renewable Resource Deficiency Period. However, if the Wind QF is outside of PGE's Balancing Authority Area as contemplated in the Commission's Order No. 14-058, the Seller is paid the wind integration charges in Table 7, in addition to the prices listed in Tables 5a and 5b.

Sellers with PPAs exceeding 15 years will receive pricing equal to the Mid-C Index Price and will retain all Environmental Attributes generated by the facility for all years up to five in excess of the initial 15.

Effective for service on and after September 23, 2015

Sheet No. 201-13

Portland General Electric Company

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

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	TABLE 4a												
					Renewabl	e Avolde	d Costs	and distant of					
			Re	newable	Fixed Pri	ce Option	for Base	Load Q	F				
-	and the second sec	-	-	0	n-Peak F	orecast	\$/MWH)				~		
		1			Ð	1	1			,		ĉ.	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2015	31.13	25.13	26.13	21.68	22.88	25.13	33.13	34.73	29.63	27.38	28.88	33,13	
2015	31,58	30.16	27.08	25,86	24,96	23.21	32.05	36,41	32.37	31.12	32.12	34.58	
2017	34.27	32,71	29.35	28,28	27.50	25.55	34.66	39.41	35.01	33,98	35.07	37.78	
2018	36.61	34.95	31.34	29,68	28.86	26.82	37.16	42,26	37.53	36.07	37.24	40.12	
2019	38,30	36.56	32.79	31.05	30.19	28.05	38.86	44,22	39.27	37.74	38.96	41.97	
2020	130.42	130.40	129.50	130.04	133.82	132.76	132.39	132.24	130.72	129.58	130.57	129.37	
2021	133,36	133.64	131.86	133.13	136.49	135 59	134.91	135.52	133.73	132 54	134.08	132.51	
2022	136.24	136.10	133.85	135.90	139.41	138.20	137.67	137.62	136.32	135.14	136.83	135.12	
2023	139.39	138.88	136.54	138.99	141.88	141.01	140.60	140.17	139.18	137.81	139.83	138.53	
2024	141.20	141.38	139.07	141.45	144.67	143.47	143.33	143.02	142.81	139.99	141.17	141.32	
2025	144.44	144.83	142.24	145.02	149.08	147.69	146:57	146.72	145.76	143.11	144.48	144.07	
2026	148,08	147.69	145.97	148.54	153.80	149.69	149,69	150.17	149.84	148.23	148.39	147,27	
2027	150.98	150.46	148.51	151.01	158.07	152.64	152.20	153.90	152.54	149.20	150.73	150,17	
2028	153,78	152.55	150.16	154.12	160.66	154.93	155.77	155.78	154.75	152,38	153.65	152,73	
2029	157.02	156,74	153.60	157.59	169.40	159.30	159.39	159,39	159,45	155.48	156.44	156.31	
2030	160.28	159.94	157.24	150,66	173.65	164.43	161.89	161.75	163.38	158.51	159.18	159.23	
2031	163,23	182.64	160.72	164,67	177.15	169.11	164.90	168.01	166.26	161.75	163.06	162.54	
2032	165.75	185,18	163.21	167.22	179,91	171.73	167,46	168.59	168,84	164.26	165.59	165,06	
2033	169.59	158.98	166.98	171.09	184.06	175.70	171.33	172.48	172.74	168.06	169.41	168.88	
2034	173.01	172.39	170.36	174.55	187.76	179.24	174.79	175.97	175.23	171.46	172.84	172.29	
2035	175.35	175.72	173.65	177.91	191.39	182.70	178.16	179.36	179.63	174.78	176.17	175.62	
2036	179.40	178.76	176.65	180.99	194.69	185.85	181.24	182.46	182.74	177.79	179.22	178.65	
2037	183.23	162.57	180.41	184.65	198.85	189.82	185.10	188.35	186.63	181.58	183.04	182.45	
2038	166.75	186.09	183.90	188.42	202.69	193.48	165.68	189.95	190.23	185.08	186.57	185.98	
2039	190.37	169,68	187.44	192.05	206.60	197.22	192.32	193.81	193.91	188.65	190.17	189.57	
2040	193.66	192.96	190.69	195.37	210.16	200.62	195.64	196.96	197.26	191.92	193.46	192.85	

Portland General Electric Company

Sheet No. 201-14

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

					T/	ABLE 4b	-					
			and the	and F	Renewabl	a Avoide	d Costs	0011	- Continer	Cold Freedoments		
			Re	newable i	Fixed Pric	e Option	for Bas	e Load Q	F			
-			_	0	ff-Peak F	orecast	(\$/MWH)		-			
1.0	1		-				_		1.1.1	1	P i	
Year	Jan	Fab	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	26.88	20.38	20.88	15.88	17.88	19.13	23,88	26.13	25.63	23.13	25.38	28.38
2016	27.21	26.14	23.47	18,69	16,80	13.58	23,28	27.89	25.66	27.45	25.12	30.26
2017	30.42	29.21	26.19	21.62	19.38	15,58	25.52	30.64	28.17	30.08	30.82	33.18
2018	32,75	31,44	28,18	22.35	20.04	18,11	27,95	33.58	30.68	33.04	33.86	36.47
2019	34,58	33,20	29.75	23.58	21.14	16,98	29,51	35.46	32,58	34,89	35.76	38.52
2020	74,05	74.35	76.18	74.70	70.70	70.98	71.32	72.70	73.76	75.21	74.98	75.50
2021	76.61	75.69	77.70	76.08	72.65	72.71	73.48	73.88	75.25	77.66	74.78	78.80
2022	77.70	77.31	79.96	77.27	73.68	74.12	75.90	74.74	76.69	79.10	76.00	78.21
2023	78,70	78.76	81.53	79,38	74.14	75.53	77.17	75.51	78.04	80.71	77.14	79.80
2024	79.35	79.42	83.14	79.16	74,55	77.78	76.40	75.83	78.61	81.03	79.55	80.29
2025	80.95	80.84	84,88	80.33	74.54	78.20	78.02	79.19	79,32	62.81	82.21	81.48
2026	81.35	B2,42	85.28	80.89	75.34	79.31	79,11	79.94	79.12	83.91	82.41	82,47
2027	84.14	B4,11	86.28	82.99	75.15	80.77	81,16	80.43	80.90	88,39	83.38	83.99
2028	85.29	86,01	88.97	85.07	74.43	82.57	82,76	81,19	82.B3	87.06	84.33	86.62
2029	85.87	85,84	90.61	86.72	68,73	82,93	84.21	82.59	84.39	86.00	86.85	88.12
2030	87.21	88.28	92.46	86.89	68,43	83.64	84,98	85.17	84.95	89.66	68.91	89.94
2031	89.10	90.50	93.69	87.32	69.81	83.38	86.78	88.97	85,14	91.14	90.93	90.04
2032	90.57	92.00	95.23	88.76	70.97	84.75	88,21	88.41	86.54	92,64	92.44	91.53
2033	92.57	94.03	97.34	90.72	.72.53	86.63	90.16	90.36	88.46	94.69	94.48	93.55
2034	94.36	95.84	99.22	92.47	73.93	68.30	91.90	92.10	90.16	96.52	96,30	95.36
2035	96.1ā	97.69	101.13	94.25	75.36	90.00	93,68	93,68	91,90	98.38	98.16	97.20
2036	97.77	99.31	102.80	95.61	76.61	91.49	95 22	95.43	93.42	100.00	99,78	98.80
2037	99.93	101.50	105.07	97.93	78.30	93.51	97.33	97.54	95.49	102.21	101.99	100.99
2038	101.85	103.46	107.10	99.82	79.81	95.31	99.20	99.42	97.33	104,19	103.95	102.93
2039	103.62	105.46	109.17	101.74	61.35	97.15	101.12	101.34	99.21	106.20	105.96	104.92
2040	105.54	107.20	110.97	103.42	82.69	98.76	102.79	103.02	100.85	107,95	107.71	106 65

Effective for service on and after September 23, 2015

Sheet No. 201-15

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

		-			1	ABLE 5a	-					
				1	Renewabl	le Avolde	d Costs		-	1.1.4		
			1	Renewab	le Fixed I	Price Opt	lon for V	Vind QF				_
				0	n-Peak F	orecast	(\$/MWH)	_				
-				1						-	-	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	27.36	21.36	22.36	18.11	19.11	21.36	29,36	30,96	25.86	23.51	25,11	29,36
2018	27.74	26.32	23.24	21.82	21,12	19.37	28.21	32.57	28,53	27.28	28.28	30.74
2017	30,36	28.60	25.44	24,37	23.59	21,64	30.75	35.50	31.10	30.07	31.15	33.87
2018	32.62	30.96	27.35	25.69	24.87	22.83	33,17	38.27	33.54	32.08	33.25	36.13
2019	34,23	32.49	28,72	26.98	26.12	23.98	34.81	40,15	35,20	33.67	34.89	37.90
2020	89.69	89.67	88.77	89.31	93.09	92.03	91.66	91.52	90.00	88.85	89.84	88.64
2021	91.73	92.00	90.23	91.50	94.85	93.96	93,28	93,88	92,10	90,91	92.44	90,88
2022	93.81	93.66	91.42	93.47	96.98	95.77	95.23	95.19	93.89	92,71	94.39	92.68
2023	95.01	95.50	93,17	95.61	98,50	97.84	97.23	96.79	95.80	94.43	96.45	95.15
2024	97.25	97.43	95.12	97.50	100.71	99.51	99.38	99.07	98.85	96.03	97.21	97.37
2025	99.51	99.89	97,31	100.08	104.15	102,76	101.63	101.79	100.82	98.17	99.55	99,13
2026	102.27	101.88	100,16	102.74	108.00	103,89	103.89	104.37	104.03	100.42	102,58	101.47
2027	104.29	103,77	101.82	104.32	111.38	105,95	105,51	107.22	105.85	102.51	104.04	103.48
2028	106.19	104,96	102,57	106,53	113.07	107.34	108,18	108,19	107,15	104.79	106.06	105,14
2029	108.51	108.23	105.09	109,08	120,90	110,80	110,89	110,89	110,94	106.98	107,94	107,81
2030	110.84	110.49	107.80	111.21	124.40	114.99	112.45	112.31	113.94	109.07	109,73	109,79
2031	112.82	112.24	110.32	114.27	126.75	118.70	114.50	115.61	115.86	111.35	112.56	112.14
2032	114.68	114.08	112.13	116.15	128.84	120.68	116.38	117.51	117.77	113.18	114.51	113.99
2033	117.23	116.52	114.62	118.73	131.70	123.34	118.97	120.13	120.39	115.70	117.06	116.52
2034	119.48	118.86	116.83	121.02	134.24	125.71	121.26	122.44	122.70	117.93	119.31	118.76
2035	121.80	121.16	119.09	123,36	136,83	128.14	123,60	124.80	125.07	120.21	121.62	121.06
2036	123,79	123.14	121.04	125.37	139.07	130.24	125.63	126.85	127.12	122.17	123.61	123.04
2037	126.54	125,88	123.72	128,16	142.16	133.13	128.42	129.56	129.94	124.89	126.35	125.77
2038	128.98	128.31	126.11	130.63	144,90	135.70	130,89	132.17	132.45	127.30	128.79	128.20
2039	131.47	130.79	128.55	133.16	147.70	138.32	133.42	134.72	135.01	129.76	131.28	130.68
2040	133.62	132.93	130.65	135.33	150,12	140.59	135.61	136.92	137.22	131.88	133 43	132 81

Portland General Electric Company

Sheet No. 201-16

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

-					TA	BLE 50	·					
- 1 -				F	tenewabi	e Avoidee	d Costs		_			-
			1	Renewabl	e Fixed P	rice Opti	ion for W	ind QF		_		_
_				0	ff-Peak F	orecast (S/MWH)					-
						-						
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	23,11	16.51	17.11	12.11	14,11	15.36	20.11	22.36	21.80	19.35	21.61	24.61
2016	23.37	22.30	19.63	14.85	12.96	9,74	19.44	24.05	21.82	23.61	24.28	25.42
2017	26.51	25.30	22.28	17.71	15.47	11.67	21.61	26.73	24.26	26.17	26,91	29.27
2018	28.76	27,45	24.19	18.35	16,05	12.12	23.96	29.59	26,87	29.05	29,87	32.48
2019	30.51	29,13	25.68	19.51	17.07	12.91	25.44	31.39	28,51	30.82	31,69	34,45
2020	69.90	70,20	72.03	70.55	66.55	66.83	67.17	68.55	69.61	71.06	70.83	71.35
2021	72.38	71.46	73.47	71.85	68.42	68.48	69.25	69.65	71.02	73.43	70.55	72.57
2022	73.39	73.00	75.65	72.96	69.37	69.81	71.59	70.43	72.38	74.79	71.69	73.90
2023	74.31	74.37	77.14	74,99	69.75	71.14	72.75	72.12	73.65	75.32	72.75	75.41
2024	74.88	74.95	76.67	74,69	70.08	73.31	71.93	72.36	74.14	76.56	75.08	75.82
2025	76,40	76,38	80.32	75.77	69.98	73.64	73.46	74.63	74,75	78.25	77.65	76.92
2026	76.70	77,77	80.63	76.24	70,69	74.66	74,46	75.29	74,47	79.26	77,76	77.82
2027	79,40	79,37	81.54	78.25	70,41	76.03	76,42	75,69	76,16	81,65	78.64	79.25
2028	80,46	81.18	84.14	80.24	69,60	77.74	77.93	75.36	78.00	82.23	79.50	81.79
2029	80.95	81,92	85.69	81.80	63,81	78.01	79,29	77.67	79,47	83,08	81,93	83.20
2030	82.19	83.26	87.44	81.87	63.41	78.62	79.96	80.15	79,93	84.54	83,89	84,92
2031	83.98	85.38	88.57	82.20	64.69	78.28	81.66	81.85	80.02	86.02	85,81	84.92
2032	85,36	86.79	90.02	83.55	65.76	79.54	63.00	83.20	81.33	87,43	67.23	86,32
2033	87.26	88.72	92.03	85.41	67.22	81.32	84.85	85.05	83.15	89.38	89.17	88.24
2034	88,94	90.42	93.80	87.05	66.51	82,88	86,48	86,68	84.74	81,10	90.88	89.94
2035	90,66	92.17	95.61	88.73	69.84	84,48	88,16	88.36	86.38	92.86	92.64	91,68
2036	92.14	93.68	97.17	90.18	70.98	85.86	89.59	89.80	87.79	94.37	84.15	93.17
2037	94,19	95.76	99,33	92.19	72 56	87,77	91.59	91,80	89.75	96.47	96.25	95.25
2038	96.01	97.61	101.25	93,97	73.96	89.46	93.35	93.57	91.48	98.34	98,10	97.08
2039	97,86	99.50	103.21	95,78	75.39	91.19	95.16	95.38	93,25	100.24	100.00	98.96
2040	99.46	101.12	104.89	97.34	76.61	92.68	96.71	96.94	94.77	101.87	101.63	100.57

Effective for service on and after September 23, 2015

Sheet No. 201-17

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

		-			T	ABLE 6a						
		00.000		1	Renewabi	e Avolde	d Costs					-
				Renewab	le Fixed	Price Opt	lon for S	olar QF	_			
				0	n-Peak F	orecast	S/MWH)					
	_			-		1	£					
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nav	Dec
2015	31.13	25.13	26.13	21.88	22.86	25.13	33.13	34.73	29.63	27.38	28.88	33.13
2016	31.58	30.16	27.08	25.66	24.96	23.21	32.05	35.41	32.37	31.12	32,12	34.58
2017	34.27	32.71	29.35	28,28	27.50	25,55	34.65	39.41	35.01	33.98	35.07	37.78
2018	36.61	34.95	31.34	29.68	28.86	26.82	37.16	42.26	37.53	36.07	37.24	40.12
2019	38.30	36.56	32.79	31.05	30.19	28.05	38.88	44,22	39,27	37.74	38.96	41.97
2020	93.84	93.82	92.92	93.45	97.24	96.18	95.81	95.67	94,15	93.00	93.99	92.79
2021	95.96	96.23	94,46	95.73	99.08	98.19	97.51	98.11	96.33	95.14	96.67	95.11
2022	98.12	97.97	95,73	97.78	101.29	100.08	99.54	99.50	98.20	97.02	98.70	96.99
2023	100.40	99,89	97.56	100.00	102.89	102.03	101.62	101.18	100.19	98.82	100.84	99.54
2024	101.72	101.90	99,59	101,97	105,18	103.98	103.85	103.54	103.32	100.50	101.68	101.64
2025	104.07	104.45	101.87	104,64	108.71	107.32	106.19	106.35	105.38	102.73	104.11	103.69
2026	106,92	106.53	104.81	107.39	112.65	108.54	108.54	109.02	108,68	105.07	107.23	106.12
2027	109.03	108.51	106,56	109.06	116,12	110.69	110.25	111.96	110.59	107.25	108,78	108.22
2028	111.02	109.79	107.40	111.36	117.90	112,17	113.01	113.02	111.99	109.62	110.89	109.97
2029	113.43	113.15	110.01	114.00	125.82	115.72	115.81	115.81	115.86	111.90	112.85	112.73
2030	115.86	115.51	112.82	116.23	129.42	120.01	117.47	117.33	118,96	114.09	114.75	114.81
2031	117.94	117.36	115.44	119.39	131.87	123.82	119.62	120,73	120,98	116,47	117.78	117.26
2032	119.89	119.29	117.34	121.35	134.05	125.87	121.59	122.72	122.98	118.39	119.72	119.20
2033	122.54	121.93	119.93	124.04	137.01	128.65	124.28	125.44	125.70	121.01	122.37	121.83
2034	124.90	124.28	122.25	126.44	139.66	131,13	126.68	127.86	128.12	123.35	124.73	124.18
2035	127.32	126.68	124.61	128.88	142.35	133.66	129.12	130.32	130.59	125.73	127.14	126.58
2036	129.42	128.77	126,67	131.00	144.70	135.87	131,26	132.48	132.75	127.80	129.24	128.67
2037	132.28	131.62	129.46	133.90	147.90	138.87	134.16	135,40	135.68	130.63	132.09	131.51
2038	134.83	134,16	131,96	136,48	150.75	141.55	136,74	138.02	138.30	133.15	134,64	134,05
2039	137.43	136,75	134,51	139.12	153.66	144.28	139.38	140.68	140.97	135.72	137.24	135.64
2040	139.70	139.01	136.73	141.41	156.20	146.67	141 69	143 00	143.30	137.96	139.51	138.89

Portland General Electric Company

Sheet No. 201-18

SCHEDULE 201 (Continued)

PRICING OPTIONS FOR STANDARD PPA (Continued) Renewable Fixed Price Option (Continued)

					T	BLE 65						
				F	lenewabl	e Avoide	d Costs			-		
	_			Renewab	le Fixed P	rice Opt	ion for S	olar QF	-	_		
_				0	ff-Peak F	orecasi	\$/MWH)		_			
1	1.1									-		
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	26.88	20.38	20.88	15.88	17.68	19.13	23.88	26.13	25.63	23.13	25.38	28,38
2016	27,21	26.14	23.47	18,69	16,80	13.58	23.28	27.89	25.66	27.45	28.12	30.26
2017	30.42	29.21	26.19	21.62	19.38	15.58	25.52	30,64	28.17	30.08	30,82	33.18
2018	32.75	31.44	28.18	22,35	20.04	16.11	27.95	33.58	30.86	33.04	33,86	36.47
2019	34.58	33.20	29.75	23,58	21.14	16.98	29.51	35.46	32.58	34.89	35.76	38.52
2020	74.05	74.35	76.18	74.70	70.70	70.98	71.32	72.70	73.76	75.21	74.98	75.50
2021	76.61	75.69	77.70	76.08	72.65	72.71	73.48	73.88	75.25	77.66	74,78	76.80
2022	77.70	77.31	79.96	77.27	73.68	74.12	75.90	74.74	76.69	79.10	76.00	78.21
2023	78.70	76.76	81.53	79.36	74.14	75.53	77.17	76.51	78.04	80.71	77.14	79.80
2024	79.35	79.42	83.14	79.16	74.55	77.78	76.40	76.83	78.61	81.03	79.55	80.29
2025	80.96	80.94	84.88	80.33	74.54	78.20	78.02	79.19	79.32	82.81	82.21	81.48
2026	81,35	B2.42	85.28	80.89	75.34	79.31	79.11	79.94	79.12	83.91	82,41	82.47
2027	84,14	B4.11	86.28	82,99	75.15	80.77	81.16	80.43	80,90	86.39	83,38	83.99
2028	85.29	86.01	88.97	85,07	74.43	82.57	82,76	81,19	82.83	87.06	84,33	85.62
2029	85.87	86.84	90.61	86.72	68.73	82.93	84.21	82.59	84.39	88.00	86.85	88.12
2030	87.21	88.28	92.46	86,89	68.43	83.64	84.98	85.17	84.95	89.66	88.91	89,94
2031	89.10	90.50	93.69	87.32	69.81	83.38	86.78	86.97	85.14	91.14	90,93	90.04
2032	90.57	92.00	95.23	88.76	70.97	84.75	88.21	B8.41	B6.54	92.64	92.44	91.53
2033	92.57	94.03	97.34	90.72	72 53	86.63	90.16	90.36	88.46	94.69	94.48	93 55
2034	94.36	95.84	99.22	92 47	73.93	88 30	91.90	92 10	90.16	96 52	96.30	95.36
2035	96.18	97 69	101 13	94.25	75 36	90.00	93.68	93.88	91.90	98 38	98.16	97 20
2036	97 77	99.31	102.80	95.81	76.61	91 49	95.22	95 43	93.42	100.00	99.78	98.80
2037	99.93	101.50	105.07	97 93	78.30	93.51	97 33	97.54	95 49	102.21	101.99	100 99
2038	101.86	103 46	107.10	99.82	79.81	95.31	99.20	99.42	97.33	104 19	103.95	102 93
2039	103.82	105 46	109.17	101.74	81 35	97.15	101 12	101.34	99.21	106.20	105.96	104 92
2040	105 54	107 20	110.97	103.42	82.69	98.76	102 79	103.02	100 85	107.95	102 71	106.65

Effective for service on and after September 23, 2015

Sheet No. 201-19

Portland General Electric Company

SCHEDULE 201 (Continued)

MONTHLY SERVICE CHARGE

Each separately metered QF not associated with a retail Customer account will be charged \$10.00 per month.

INSURANCE REQUIREMENTS

The following insurance requirements are applicable to Sellers with a Standard PPA:

- 1) QFs with nameplate capacity ratings greater than 200 kW are required to secure and maintain a prudent amount of general liability insurance. The Selier must certify to the Company that it is maintaining general liability insurance coverage for each QF at prudent amounts. A prudent amount will be deemed to mean liability insurance coverage for both bodily injury and property damage liability in the amount of not less than \$1,000,000 each occurrence combined single limit, which limits may be required to be increased or decreased by the Company as the Company determines in its reasonable judgment, that economic conditions or claims experience may warrant.
- 2) Such insurance will include an endorsement naming the Company as an additional insured insofar as liability arising out of operations under this schedule and a provision that such flability policies will not be canceled or their limits reduced without 30 days' written notice to the Company. The Seller will furnish the Company with certificates of insurance together with the endorsements required herein. The Company will have the right to inspect the original policies of such insurance.
- 3) QFs with a design capacity of 200 kW or less are encouraged to pursue liability insurance on their own. The Oregon Public Utility Commission in Order No. 05-584 determined that it is inappropriate to require QFs that have a design capacity of 200 kW or less to obtain general liability insurance.

TRANSMISSION AGREEMENTS

If the QF is located outside the Company's service territory, the Seller is responsible for the transmission of power at its cost to the Company's service territory.

INTERCONNECTION REQUIREMENTS

Except as otherwise provided in a generation Interconnection Agreement between the Company and Seller, if the QF is located within the Company's service territory, switching equipment capable of isolating the QF from the Company's system will be accessible to the Company at all times. At the Company's option, the Company may operate the switching equipment described above it, in the sole opinion of the Company, continued operation of the QF in connection with the utility's system may create or contribute to a system emergency.

SCHEDULE 201 (Continued)

TAB	LE7									
Wind Int	Wind Integration									
Year	Cost									
2015	3.77									
2016	3,84									
2017	3.91									
2018	3.99									
2019	4.07									
2020	4.15									
2021	4.23									
2022	4.31									
2023	4.39									
2024	4.47									
2025	4.56									
2026	4.65									
2027	4.74									
2028	4.83									
2029	4.92									
2030	5.02									
2031	5.12									
2032	5.21									
2033	5.31									
2034	5.42									
2035	5.52									
2036	5.63									
2037	5.74									
2038	5.85									
2039	5.96									
2040	6.08									

WIND INTEGRATION

Effective for service on and after September 23, 2015

Sheet No. 201-21

SCHEDULE 201 (Continued)

INTERCONNECTION REQUIREMENTS (Continued)

The QF owner interconnecting with the Company's distribution system must comply with all requirements for interconnection as established pursuant to Commission rule, in the Company's Rules and Regulations (Rule C) or the Company's Interconnection Procedures contained in its FERC Open Access Transmission Tariff (OATT), as applicable. The Seller will bear full responsibility for the installation and safe operation of the interconnection facilities.

DEFINITION OF A SMALL COGENERATION FACILITY OR SMALL POWER PRODUCTION FACILITY ELIGIBLE TO RECEIVE PRICING UNDER THE STANDARD PPA

A QF will be eligible to receive pricing under the Standard PPA if the nameplate capacity of the QF, together with any other electric generating facility using the same motive force, owned or controlled by the Same Person(s) or Affiliated Person(s), and located at the Same Site, does not exceed 10 MW. A Community-Based or Family-Owned QF is exempt from these restrictions.

Definition of Community-Based

- a. A community project (or a community sponsored project) must have a recognized and established organization located within the county of the project or within 50 miles of the project that has a genuine role in helping the project be developed and must have some not insignificant continuing role with or interest in the project after it is completed and placed in service.
- b. After excluding the passive investor whose ownership interests are primarily related to green tag values and tax benefits as the primary ownership benefit, the equity (ownership) interests in a community sponsored project must be owned in substantial percentage (80 percent or more) by the following persons (individuals and entities): (i) the sponsoring organization, or its controlled affiliates; (ii) members of the sponsoring organization (if it is a membership organization) or owners of the sponsorship organization (if it is nembership organization) or owners of the sponsorship organization (if it is privately owned); (iii) persons who live in the county in which the project is located or who live a county adjoining the county in which the project is located; or (iv) units of local government, charities, or other established nonprofit organizations active either in the county in which the project is located.

Definition of Family-Owned

After excluding the ownership interest of the passive investor whose ownership interests are primarily related to green tag values and tax benefits as the primary ownership benefit, five or lewer individuals own 50 percent or more of the equity of the project entity, or fifteen or fewer individuals own 50 percent or more of the project entity, a "look through" rule applies to closely held entities that hold the project entity, so that equity held by LLCs, trusts, estates, corporations, partnerships or other similar entities is considered held by the equity owners of the look through entity. An individual is a natural person. In counting to five or fifteen, spouses or children of an equity owner of the project owner who also have an equity interest are aggregated and counted as a single individual.

> Effective for service on and after September 23, 2015

Portland General Electric Company

Sheet No. 201-22

SCHEDULE 201 (Concluded)

DEFINITION OF A SMALL COGENERATION FACILITY OR SMALL POWER PRODUCTION FACILITY ELIGIBLE TO RECEIVE PRICING UNDER THE STANDARD PPA (Continued)

Definition of Person(s) or Affillated Person(s)

As used above, the term "Same Person(s)" or "Affiliated Person(s)" means a natural person or persons or any legal entity or entities sharing common ownership, management or acting joinily or in concert with or exercising influence over the policies or actions of another person or entity. However, two facilities will not be held to be owned or controlled by the Same Person(s) or Affiliated Person(s) solely because they are developed by a single entity.

Furthermore, two facilities will not be held to be owned or controlled by the Same Person(s) or Affiliated Person(s) if such common person or persons is a "passive investor" whose ownership interest in the QF is primarily related to utilizing production tax credits, green tag values and MACRS depreciation as the primary ownership benefit and the facilities at issue are independent family-owned or community-based projects. A unit of Oregon local government may also be a "passive investor" in a community-based project if the local governmental unit demonstrates that it will not have an equity ownership interest in or exercise any control over the management of the QF and that its only interest is a share of the cash flow from the QF, which share will not exceed 20%. The 20% cash flow share limit may only be exceeded for good cause shown and only with the prior approval of the Commission.

Definition of Same Site

For purposes of the foregoing, generating facilities are considered to be located at the same site as the OF for which qualification for pricing under the Standard PPA is sought if they are located within a five-mile radius of any generating facilities or equipment providing fuel or motive force associated with the QF for which qualification for pricing under the Standard PPA is sought.

Definition of Shared Interconnection and Infrastructure

QFs otherwise meeting the above-described separate ownership test and thereby qualified for entitlement to pricing under the Standard PPA will not be disqualified by utilizing an interconnection or other infrastructure not providing motive force or fuel that is shared with other QFs qualifying for pricing under the Standard PPA so long as the use of the shared interconnection complies with the interconnecting utility's safety and reliability standards, interconnection agreement requirements and Prudent Electrical Practices as that term is defined in the interconnecting utility's approved Standard PPA.

OTHER DEFINITIONS

Mid-C Index Price

As used in this schedule, the daily Mid-C Index Price shall be the Day Ahead Intercontinental Exchange ("ICE") for the bilateral OTC market for energy at the Mid-C Physical for Average

Sheet No. 201-23

SCHEDULE 201 (Continued)

OTHER DEFINITIONS (Continued)

On-Peak Power and Average Off-Peak Power found on the following website: <u>https://www.theice.com/products/QTC/Physical-Energy/Electricity</u>. In the event ICE no longer publishes this index, PGE and the Seller agree to select an alternative successor index representative of the Mid-C trading hub.

Definition of RPS Attributes

As used in this schedule, RPS Attributes means all attributes related to the Net Output generated by the Facility that are required in order to provide PGE with "qualifying electricity," as that term is defined in Oregon's Renewable Portfolio Standard Act, Ore. Rev. Stat. 469A.010, in effect at the time of execution of this Agreement. RPS Attributes do not include Environmental Attributes that are greenhouse gas offsets from methane capture not associated with the generation of electricity and not needed to ensure that there are zero net emissions associated with the generation of electricity.

Definition of Environmental Attributes

As used in this schedule, Environmental Attributes shall mean any and all claims, credits, benefits, emissions reductions, offsets, and allowances, howsoever entitled, resulting from the avoidance of the emission of any gas, chemical, or other substance to the air, soil or water. Environmental Attributes include but are not limited to: (1) any avoided emissions of pollutants to the air, soil, or water such as (subject to the foregoing) sulfur oxides (SOX), nitrogen oxides (NOX), carbon monoxide (CO), and other pollutants; and (2) any avoided emissions of carbon dioxide (CO2), methane (CH4), and other greenhouse gases (GHGs) that have been determined by the United Nations intergovernmental Panel on Climate Change to contribute to the actual or potential threat of altering the Earth's climate by trapping heat in the atmosphere.

Definition of Resource Sufficiency Period

This is the period from the current year through 2020.

Definition of Resource Deficiency Period

This is the period from 2021 through 2034.

Definition of Renewable Resource Sufficiency Period

This is the period from the current year through 2019.

Definition of Renewable Resource Deficiency Period

This is the period from 2020 through 2034.

Effective for service on and after September 23, 2015 Portland General Electric Company

Sheet No. 201-24

SCHEDULE 201 (Continued)

DISPUTE RESOLUTION

Upon request, the QF will provide the purchasing utility with documentation verifying the ownership, management and financial structure of the QF in reasonably sufficient detail to allow the utility to make an initial determination of whether or not the QF meets the above-described criteria for entitlement to pricing under the Standard PPA.

The QF may present disputes to the Commission for resolution using the following process:

The QF may file a complaint asking the Commission to adjudicate disputes regarding the formation of the standard contract. The QF may not file such a complaint during any 15-day period in which the utility has the obligation to respond, but must wait until the 15-day period has passed.

The utility may respond to the complaint within ten days of service.

The Commission will limit its review to the issues identified in the complaint and response, and utilize a process similar to the arbitration process adopted to facilitate the execution of interconnection agreements among telecommunications carriers. See OAR 860, Division 016. The administrative law judge will not act as an arbitrator.

SPECIAL CONDITIONS

- Delivery of energy by Seller will be at a voltage, phase, frequency, and power factor as specified by the Company.
- If the Seller also receives retail Electricity Service from the Company at the same location, any payments under this schedule will be credited to the Seller's retail Electricity Service bill. At the option of the Customer, any net credit over \$10.00 will be paid by check to the Customer.
- Unless required by state or federal law, if the 1978 Public Utility Regulatory Policies Act (PURPA) is repealed, PPAs entered into pursuant to this schedule will not terminate prior to the Standard or Negotiated PPA's termination date.

TERM OF AGREEMENT

Not less than one year and not to exceed 20 years.