August 25, 2015

Erik Jacobson
Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177


Dear Mr. Jacobson:

Advice Letter 4623-E is effective as of May 25, 2015.

Sincerely,

Edward Randolph
Director, Energy Division
April 24, 2015

Advice 4623-E
(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Approval for Pacific Gas and Electric Company to Count Anderson II as a New CHP Facility Contributing Toward PG&E’s Combined Heat and Power Settlement Agreement Greenhouse Gas Emissions Reduction Target

I. INTRODUCTION

A. Purpose of the Advice Letter

Pacific Gas and Electric Company (“PG&E”) files this Advice Letter pursuant to California Public Utilities Commission (“Commission” or “CPUC”) Resolution E-4632 (“Resolution”) to obtain the Commission’s determination that Anderson II is a New CHP Facility as defined by the Combined Heat and Power Settlement Agreement 1 and will contribute toward PG&E’s greenhouse gas (“GHG”) emissions reduction target (“Target”) under the QF/CHP Settlement Agreement.2

The Resolution approved PG&E’s Anderson II Power Purchase Agreement (“PPA”) with Sierra Pacific Industries (“SPI”) that arose from PG&E’s 2011 Renewables Portfolio Standard (“RPS”) request for offers (“RFO”). The Anderson II power plant generates electricity and steam through the combustion of a renewable resource, primarily wood waste, and is thus a CHP Facility. When PG&E sought Commission approval of the RPS PPA, PG&E asked to count Anderson II toward its GHG Target. The Resolution approved the PPA but did not authorize the GHG Target counting. Instead the Commission ordered that PG&E may file an advice letter requesting a Commission

1 This agreement is referred to by the settling parties as the Qualifying Facility and Combined Heat and Power Program Settlement Agreement (“QF/CHP Settlement Agreement”) and was adopted by Commission Decision (“D.”) 10-12-035.

2 The QF/CHP Settlement Agreement resolved disagreements between PG&E, the other investor-owned utilities (“IOU”), representatives of QF/CHP generators, and consumer representatives (“Settling Parties”) regarding PURPA implementation. The operative provisions of the Settlement Agreement are contained in its Term Sheet. PURPA is described in footnote 11, below.
The determination that the Anderson II facility meets the definition of a New CHP Facility. The Resolution also suggested that Anderson II needed FERC to certify its CHP status and must meet FERC’s “fundamental use test” in order to qualify for GHG Target counting.

This Advice Letter shows that Anderson II qualifies as a CHP Facility because it has met FERC’s CHP eligibility requirements through self-certification. It also shows that Anderson II meets FERC’s fundamental use test, even though that test applies only to facilities selling under contracts under the Public Utility Regulatory Policies Act (“PURPA”). The fundamental use test does not apply to Anderson II because its contract is an RPS contract.

B. Background

SPI currently delivers the electrical output of four wood biomass-fueled facilities under legacy QF agreements with PG&E. Under the approved PPA, SPI will continue these deliveries and deliver the output of the new Anderson II CHP facility, which will likewise burn wood waste. Deliveries under the PPA will begin upon the commercial operation of Anderson II, at which time the legacy QF agreements will terminate.

In September 2012, PG&E sought CPUC approval of the PPA, and based on the operational details that SPI provided to PG&E, authorization to count Anderson II toward PG&E’s GHG Target, once the new facility met the requirements for designation as a New CHP Facility.4

In January 2014, the Resolution approved cost recovery for the PPA but refrained from determining that Anderson II qualifies as a New CHP Facility. The Resolution authorized PG&E to

...file an additional Tier 2 Advice Letter requesting a Commission determination that the Anderson II facility meets the definition of a New CHP Facility pursuant to section 7.3.1.1 of the Combined Heat and Power Settlement Agreement Term Sheet.5

Upon PG&E’s filing of an additional Tier 2 Advice Letter, the Commission will consider PG&E’s request to count the Anderson II facility as a New CHP Facility for the purposes of Section 7.3.1.1 of the QF/CHP Settlement Term Sheet (“Term Sheet”).6

---

3 Resolution, Ordering Paragraph 2.
4 Advice Letter 4102-E, filed on September 7, 2012.
5 Resolution at Ordering Paragraph 2.
6 Resolution, p.19.
SPI filed Federal Energy Regulatory Commission (“FERC”) Form 556, “Certification of Qualifying Facility (QF) Status for a Small Power Production or Cogeneration Facility” to establish QF status for Anderson II on January 27, 2015. A copy of SPI’s FERC Form 556 is attached to this Advice Letter as Public Appendix A. SPI concurrently provided PG&E with notice of its filing. FERC assigned a docket number and provided public notice of the filing on February 4, 2015. A copy of this notice is attached as Public Appendix B. Through these actions, SPI has complied with FERC’s QF self-certification requirements under Title 18 Code of Federal Regulations Section 292.207(a) and therefore, has met FERC’s requirements for obtaining QF status. SPI explained to PG&E that even though the fundamental use test is inapplicable, the Anderson II facility will meet that standard. SPI’s explanation is attached as Confidential Appendix D.

II. CONSISTENCY WITH COMMISSION DECISIONS

A. Resolution E-4632

This Advice Letter satisfies the requirements of Ordering Paragraph 2 of the Resolution for obtaining a Commission determination that Anderson II is a New CHP Facility so that its PPA may count toward PG&E’s GHG Target in accordance with the Term Sheet. In Section C below, PG&E will explain that the Anderson II facility meets the “fundamental use test” even though that is not required of New CHP Facilities under the Term Sheet.

B. D.10-12-035 Standards Applicable to New CHP Facility

1. Term Sheet Definition of New CHP Facility

A New CHP Facility is defined as “A CHP Facility that became operational after the Settlement Effective Date.” As a CHP Facility that will become operational after November 23, 2011, Anderson II will be a “New CHP Facility.” A “CHP Facility” is defined as “A facility that meets the federal definition of a qualifying cogeneration facility under 18 C.F.R. §292.205.”

---

7 Qualifying cogeneration facilities, referred to as “CHP” in the QF/CHP Settlement Agreement, are one category of QF. 18 C.F.R. 292.201. Anderson II may be referred to as a QF in this Advice Letter’s description of the FERC certification process.

8 All referenced sections are under Title 18 of the Code of Federal Regulations.


10 Definition of “CHP Facility or CHP Facilities,” Term Sheet, p. 65. Title 18 of the Code of Federal Regulations contains FERC’s regulations.
Section 292.205 establishes the efficiency criteria for qualifying cogeneration facilities under the Public Utility Regulatory Policies Act of 1978 ("PURPA"). Specifically, FERC’s implementing regulation requires that:

The facility’s useful thermal energy output must be no less than 5 percent of the total energy output, and

The useful power output of the facility plus one-half the useful thermal energy output must (A) be no less than 42.5 percent of the total energy input of natural gas and oil to the facility; and (B) if the useful thermal energy output is less than 15 percent of the total energy output of the facility, be no less than 45 percent of the total energy input of natural gas and oil to the facility.

2. Anderson II has met the FERC Criteria for becoming a “New QF Facility” as defined by the Term Sheet

a. Anderson II May Self-Certify QF Status Instead of Obtaining FERC Certification

Although the Resolution suggested that Anderson II must obtain an actual FERC order confirming its QF status, FERC regulations allow sellers to choose a quicker, less expensive self-certification process to establish QF status. When self-certification was challenged in the rulemaking to implement the Energy Policy Act of 2005 ("EPAct"), FERC stated, “The Commission will retain the option to self-certify for new cogeneration facilities (under EPAct).”

Specifically, 18 CFR Section 202.203 states that:

A cogeneration facility, including any diesel and dual-fuel cogeneration facility, is a qualifying facility if it (1) Meets any applicable standards and criteria specified in §§292.205(a), (b) and (d); and (2) Unless exempted by paragraph (d), has filed

---

11 Generally, PURPA requires investor-owned utilities to purchase electricity from qualifying facilities ("QFs"), which are either qualifying cogeneration facilities (also known as combined heat and power ("CHP") facilities) or small power producers (also known as “renewables”), at the utility’s avoided cost. “Avoided cost” is defined as the cost that the utility would have to pay for power that it would generate or purchase from third parties, absent the purchase from the QF. (See, 16 United States Code Section 824a-3, et seq.) Anderson II’s PPA is not a PURPA PPA because its price was established through the competitive RFO solicitation.

12 Section 292.205.a(1).

13 Section 292.205(a)(2).

with the Commission a notice of self-certification, pursuant to §292.207(a); or has filed with the Commission an application for Commission certification, pursuant to §292.207(b)(1), that has been granted.

SPI completed the self-certification process in January 2015 and received number QF 15-373-000. PG&E is required to accept SPI’s Anderson II facility as a certified QF.15 Thus, SPI’s self-certification of QF status under 292.207(a) must be accepted in lieu of “FERC certification” of QF status to meet Term Sheet requirements.

b. SPI’s self certification of Anderson II demonstrates that it meets the Term Sheet requirements of a CHP Facility.

SPI has established that Anderson II meets the applicable standards and criteria specified in 18 CFR §292.205 for new topping cycle facilities by properly completing FERC Form 556 (Public Appendix A) pursuant to Section 202.207(a) of FERC regulations, submitting it to FERC with proper notice to PG&E and the CPUC, and obtaining a QF number from FERC.

Section 292.205(a)(1) requires that the facility’s useful thermal energy output must be no less than 5 percent of the total energy output. Page 15 of Appendix A satisfies this standard by establishing that the facility’s useful thermal energy output exceeds 5 percent;

Section 292.205(a)(2) requires that the useful power output of the facility plus one-half the useful thermal energy output must (A) be no less than 42.5 percent of the total energy input of natural gas and oil to the facility; and (B) if the useful thermal energy output is less than 15 percent of the total energy output of the facility, be no less than 45 percent of the total energy input of natural gas and oil to the facility. Page 15 of Appendix A satisfies this standard by establishing an efficiency value exceeding 42.5%; and

Section 292.205 (d) establishes additional requirements for a qualifying cogeneration facility that (1) is seeking to sell 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. Because Anderson II is not seeking to sell electric energy pursuant to Section 210 of PURPA, Section 292.205 (d) does not apply. Page 12 of Appendix A at line 11e confirms that the additional requirements set forth in Section 292.205(d) do not apply to

15 The FERC has exclusive jurisdiction to make QF status determinations. A utility may not decline to purchase energy from a QF that has been certified under the optional self-certification procedure. Independent Energy Producers Ass’n. v. California Public Utilities Commission, (U.S.C.A. 9th) 36 F.3d 848.
Anderson II and directs the applicant not to fill out Sections 11(f) through 11(j) on the fundamental use test.

SPI’s filing of FERC Form 556 meets FERC’s requirements for certification as a qualifying cogeneration facility. There are no further requirements for Anderson II to meet the QF/CHP Settlement Agreement’s definition of a New CHP Facility.

C. Anderson II’s Operations Would Satisfy the Fundamental Use Test

The Resolution states on page 19:

For the Commission to make a finding regarding the Anderson II facility’s designation as a New CHP Facility as defined by the QF/CHP Settlement the Commission ... PG&E must file an additional Tier 2 Advice Letter that includes: .... a FERC determination that the Anderson II facility otherwise meets all requirements for a new QF facility, including the Fundamental Use Test under 18 C.F.R. § 292.205(d).

FERC has special requirements for “new cogeneration facilities” defined by 292.205(d). In its order adopting EPAct regulations, FERC reiterated its policy that the fundamental use test applies only to cogeneration facilities seeking QF status “where the electrical output of the facility is intended to be sold pursuant to section 210,” of the Federal Power Act (PURPA).16 FERC provides that,

…any cogeneration facility that was not a qualifying cogeneration facility on or before August 8, 2005, or that had not filed a notice of self-certification or an application for Commission certification as a qualifying cogeneration facility under §292.207 of this chapter prior to February 2, 2006, and which is seeking to sell electric energy pursuant to section 210 of the Public Utility Regulatory Policies Act of 1978, 16 U.S.C. 824-1, must also show that (1) The thermal energy is used in a productive and beneficial manner, and (2) The electrical, thermal, chemical and mechanical output of the cogeneration facility is used fundamentally for industrial, commercial, residential or institutional purposes and is not intended fundamentally for sale to an electric utility....(emphasis added.)17

The underscored condition shows that the application of the fundamental use test to a facility that is not proposing to sell energy under Section 210 of PURPA would be a violation of its regulations. Under the self-certification process, if the CHP facility is not selling its output pursuant to Section 210 of PURPA, the instructions in FERC Form 556

16 FERC Order No. 671, ¶51.
17 Section 292.205(d) Criteria for new cogeneration facilities.
make it clear that an applicant shall not fill out the portion of the form for the fundamental use test (See Appendix A, data field 11e, page 12).

However, to expedite the Energy Division’s consideration of this Tier 2 Advice Letter, PG&E asked SPI’s representative to determine whether the Anderson II facility could meet the fundamental use test if it were applicable to this transaction. Using information consistent with the efficiency and production data filed in its FERC Form 556, SPI’s representative calculated the test values and reported in a letter to PG&E dated April 9, 2015 that the facility passes the test. SPI’s letter is provided as Appendix C (confidential).

The first step in the fundamental use test is to determine the 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, commercial, residential or institutional purposes and not sold to an electric utility.

The next step of the fundamental use test is to determine the total amount of electrical, thermal, chemical and mechanical energy expected to be sold to an electric utility.

The next step of the fundamental use test is to determine the percentage of total annual energy output expected to be used for industrial, commercial, residential or institutional purposes and not sold to a utility.

Because the final value for Anderson II is equal to or exceeds 50%, it passes the fundamental use test. Thus, the Anderson II facility has met both of the requirements set forth in Resolution E-4632 to count toward PG&E’s QF/CHP Settlement Agreement GHG Targets.

D. Anderson II is Eligible to Contribute Toward QF/CHP Settlement Targets

1. Anderson’s Combustion of Wood Waste Makes it Eligible to Count Toward GHG Emissions Reduction

As a CHP Facility burning wood waste, Anderson II is eligible to count towards the GHG Targets.18

2. Anderson’s Fuel Efficiency Use Meets the Double Benchmark

Section 7.3.1.1 of the Term Sheet establishes the GHG accounting rule for a New CHP Facility. GHG emission credits or debits are “[m]easurement is based on the Double Benchmark in place at the time of PPA execution compared to the anticipated operations reflected in the PPA.” The Double Benchmark consists of an electricity heat

18 Term Sheet Section 6.4.3.
rate of 8,300 MTW/kWh HHV, and a standard boiler thermal efficiency of 80 percent. Using the operating information provided by SPI, PG&E calculated the Anderson II facility’s efficiency, as compared to the Term Sheet Double Benchmark. PG&E found GHG emissions reductions from the operation of the facility. Anderson II is efficient compared against the Double Benchmark and therefore, will contribute a credit of 91,545 metric tons of CO2 equivalent emissions (“MT”) to PG&E’s GHG Target.

E. Confidentiality

In support of this request for approval, PG&E has attached the below document that demonstrates that the Anderson II facility will meet the fundamental use test even though that standard is inapplicable. This document was provided by the counterparty and contains proprietary operating information about the generating facility. It is confidential in its entirety.

Confidential Appendix D: SPI’s Fundamental Use Test Standard Explanation

This information is being submitted in the manner directed by the Decision Adopting Model Protective Order and Non-Disclosure Agreement, Resolving Petition For Modification and Ratifying Administrative Law Judge Ruling, D.08-04-023 (issued on April 18, 2008), to demonstrate the confidentiality of the material and to invoke the protection of confidential utility information provided under either the terms of the IOU Matrix, Appendix 1 of D.06-06-066 and Appendix C of D.08-04-023 or General Order (“GO”) 66-C. In support of this request for confidential treatment, the Confidentiality Declaration and Matrix of Maria Vanko Wilson is attached as Public Appendix C to this advice letter.

III. REQUEST FOR COMMISSION APPROVAL

PG&E requests that the Energy Division issue a disposition letter within 31 days of the filing of this Advice Letter May 25, 2015, including Commission findings or conclusions that:

(1) PG&E has complied with Resolution E-4632, Ordering Paragraph 2,
(2) The Anderson II facility meets the definition of a New CHP Facility pursuant to section 7.3.1.1 of the Combined Heat and Power Settlement Agreement Term Sheet,
(3) PG&E may count Anderson II as eligible to contribute toward the applicable target under PG&E’s QF/CHP Settlement Agreement, and
(4) 91,545 MT from the Anderson II Facility applies toward PG&E’s Greenhouse Gas (GHG) Emissions Reduction Target established by D.10-12-035.

19 The Double Benchmark was established by the Term Sheet, which became effective on November 22, 2011, and has not been changed.
IV. PROTESTS

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or E-mail, no later than May 14, 2015, which is 20 days after the date of this filing.

Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest shall also be sent to PG&E via either email or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Meredith Allen
Senior Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-7226
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (GO 96-B, Rule 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) email address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (GO 96-B, Rule 3.11).
V. NOTICE

In accordance with GO 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service lists for Rulemakings (“R.”) 13-12-010 and 15-02-020. Address changes to the GO 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission’s Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: http://www.pge.com/tariffs.

/S/
Meredith Allen
Senior Director – Regulatory Relations

Attachments:

Public Appendix A: SPI’s FERC Form 556
Public Appendix B: Combined Notice of FERC Filings
Public Appendix C: Confidentiality Declaration and Matrix of Maria Vanko Wilson
Confidential Appendix D: SPI’s Fundamental Use Test Standard Explanation

cc:
Service List for R.13-12-010
Service List for R.15-02-020
Paul Douglas – Energy Division
Megha Lakhchaura – Energy Division
Joseph Abhulimen – ORA
Cynthia Walker – ORA
Company name/CPUC Utility No. Pacific Gas and Electric Company (ID U39 E)

<table>
<thead>
<tr>
<th>Utility type:</th>
<th>Contact Person: Jennifer Wirowek</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑ ELC</td>
<td>Phone #: (415) 973-1419</td>
</tr>
<tr>
<td>☐ GAS</td>
<td>E-mail: <a href="mailto:j6ws@pge.com">j6ws@pge.com</a> and <a href="mailto:PGETariffs@pge.com">PGETariffs@pge.com</a></td>
</tr>
<tr>
<td>☐ PLC</td>
<td></td>
</tr>
<tr>
<td>☐ HEAT</td>
<td></td>
</tr>
<tr>
<td>☐ WATER</td>
<td></td>
</tr>
</tbody>
</table>

EXPLANATION OF UTILITY TYPE
ELC = Electric       GAS = Gas
PLC = Pipeline       HEAT = Heat       WATER = Water

Advice Letter (AL) #: 4623-E
Tier: 2

Keywords (choose from CPUC listing): Agreements, Portfolio
AL filing type: ☑ Monthly ☐ Quarterly ☐ Annual ☐ One-Time ☐ Other

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: Resolution E-4632
Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No
Summarize differences between the AL and the prior withdrawn or rejected AL: ____________________
Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: Yes. See Confidential Declaration and Matrix.
Confidential information will be made available to those who have executed a nondisclosure agreement: Yes
Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: Maria Vanko Wilson (415) 973-5639
Resolution Required? ☑ Yes ☐ No
Requested effective date: May 25, 2015
No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A
Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).
Tariff schedules affected: N/A
Service affected and changes proposed: N/A
Pending advice letters that revise the same tariff sheets: N/A

Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

California Public Utilities Commission
Energy Division
EDTariffUnit
505 Van Ness Ave., 4th Flr.
San Francisco, CA 94102
E-mail: EDTariffUnit@cpuc.ca.gov

Pacific Gas and Electric Company
Attn: Meredith Allen
Senior Director, Regulatory Relations
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177
E-mail: PGETariffs@pge.com
Public Appendix A

SPI's FERC Form 556
General

Questions about completing this form should be sent to Form556@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, www.ferc.gov/QF. The Commission's QF website also provides links to the Commission's QF regulations (18 C.F.R. § 131.80 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 556. 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 Form556@ferc.gov.

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 Form556@ferc.gov 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 556 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 courier 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 556 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. § 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 OMB 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 (DataClearance@ferc.gov); and Desk Officer for FERC, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 (oira_submission@omb.eop.gov). Include the Control No. 1902-0075 in any correspondence.
Electronic Filing (eFiling)

To electronically file your Form 556, visit the Commission's QF website at [www.ferc.gov/QF](http://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.

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

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.
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 www.ferc.gov/QF and clicking the Notice Requirements link.

What to Expect From the Commission After You File

An applicant filing a Form 556 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 applicant 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. §§ 292.205(a) and (b) for operating and efficiency upon a showing that 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 556 along with their petition for declaratory order, rather than filing their Form 556 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 and the request for recertification if such requests are made simultaneously.

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 link. 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 556 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.ferc.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 556 must prepare and file both (1) a complete version of the Form 556 (containing the privileged and/or CEII data), and (2) a public version of the Form 556 (with the privileged and/or CEII data redacted). Applicants preparing and filing these different versions of their Form 556 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 556 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 556 lines indicated below. This non-public version of the applicant’s Form 556 contains all data, including the data that is redacted in the (separate) public version of the applicant’s Form 556.

Public (redacted): Applicant is seeking privileged treatment and/or CEII status for data contained in the Form 556 lines indicated below. This public version of the applicant’s Form 556 contains all data except 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 556 should be unaltered PDF copies of the Form 556, as available for download from www.ferc.gov/QF. 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 all 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.
Form 556
Certification of Qualifying Facility (QF) Status for a Small Power Production or Cogeneration Facility

Application Information

1a Full name of applicant (legal entity on whose behalf qualifying facility status is sought for this facility)
Sierra Pacific Industries

1b Applicant street address
19794 Riverside Avenue

1c City
Anderson

1d State/province
CA

1e Postal code
96007

1f Country (if not United States)

1g Telephone number
(530) 378-8000

1h Has the instant facility ever previously been certified as a QF?
Yes [x] No [ ]

1i If yes, provide the docket number of the last known QF filing pertaining to this facility: QF __-__-____

1j Under which certification process is the applicant making this filing?
[ ] Notice of self-certification (see note below)
[ ] Application for Commission certification (requires filing 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 QF 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" section on page 3 for more information.

1k What type(s) of QF status is the applicant seeking for its facility? (check all that apply)
[ ] Qualifying small power production facility status
[ ] Qualifying cogeneration facility status

1l What is the purpose and expected effective date(s) of this filing?
[ ] Original certification; facility expected to be installed by 5/1/15 and to begin operation on 5/28/15

[ ] Change(s) to a previously certified facility to be effective on __________
(identify type(s) of change(s) below, and describe change(s) in the Miscellaneous section starting on page 19)

[ ] Name change and/or other administrative change(s)
[ ] Change in ownership
[ ] Change(s) affecting plant equipment, fuel use, power production capacity and/or cogeneration thermal output

[ ] Supplement or correction to a previous filing submitted on __________
(describe the supplement or correction in the Miscellaneous section starting on page 19)

1m If any of the following three statements is true, check the box(es) that describe your situation and complete the form to the extent possible, explaining any special circumstances in the Miscellaneous section starting on page 19.

[ ] The instant facility complies with the Commission's QF requirements by virtue of a waiver of certain regulations previously granted by the Commission in an order dated __________ (specify any other relevant waiver orders in the Miscellaneous section starting on page 19)

[ ] The instant facility would comply with the Commission's QF requirements if a petition for waiver submitted concurrently with this application is granted

[ ] The instant facility complies with the Commission's regulations, but has special circumstances, such as the employment of unique or innovative technologies not contemplated by the structure of this form, that make the demonstration of compliance via this form difficult or impossible (describe in Misc. section starting on p. 19)
### Contact Information

<table>
<thead>
<tr>
<th>2a Name of contact person</th>
<th>2b Telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Branchcomb</td>
<td>(530) 378-8412</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2c Which of the following describes the contact person's relationship to the applicant? (check one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Applicant (self)</td>
</tr>
<tr>
<td>☐ Employee, owner or partner of applicant authorized to represent the applicant</td>
</tr>
<tr>
<td>☐ Employee of a company affiliated with the applicant authorized to represent the applicant on this matter</td>
</tr>
<tr>
<td>☑ Lawyer, consultant, or other representative authorized to represent the applicant on this matter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2d Company or organization name (if applicant is an individual, check here and skip to line 2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2e Street address (if same as Applicant, check here and skip to line 3a)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
</tr>
</tbody>
</table>

### Facility Identification and Location

<table>
<thead>
<tr>
<th>3a Facility name</th>
<th>3b Street address (if a street address does not exist for the facility, check here and skip to line 3c)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPI Anderson 2</td>
<td>19758 Riverside Avenue</td>
</tr>
</tbody>
</table>

| 3c Geographic coordinates: If you indicated that no street address exists for your facility by checking the box in line 3b, then you must specify the latitude and longitude coordinates of the facility in degrees (to three decimal places). Use the following formula to convert to decimal degrees from degrees, minutes and seconds:  
  decimal degrees = degrees + (minutes/60) + (seconds/3600). See the "Geographic Coordinates" section on page 4 for help. If you provided a street address for your facility in line 3b, then specifying the geographic coordinates below is optional. |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Longitude</td>
<td>Latitude</td>
</tr>
<tr>
<td>☐ East (+)</td>
<td>☐ North (+)</td>
</tr>
<tr>
<td>☐ West (-)</td>
<td>☐ South (-)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3d City (if unincorporated, check here and enter nearest city)</th>
<th>3e State/province</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anderson</td>
<td>CA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3f County (or check here for independent city)</th>
<th>3g Country (if not United States)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shasta</td>
<td></td>
</tr>
</tbody>
</table>

### Transacting Utilities

#### Identify the electric utilities that are contemplated to transact with the facility.

<table>
<thead>
<tr>
<th>4a Identify utility interconnecting with the facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pacific Gas and Electric Company</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4b Identify utilities providing wheeling service or check here if none</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4c Identify utilities purchasing the useful electric power output or check here if none</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4d Identify utilities providing supplementary power, backup power, maintenance power, and/or interruptible power service or check here if none</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pacific Gas and Electric Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
</tr>
</tbody>
</table>
5a  Direct ownership as of effective date or operation date: Identify all direct owners of the facility holding at least 10 percent equity interest. For each identified owner, also (1) indicate whether that owner is an electric utility, as defined in section 3(22) of the Federal Power Act (16 U.S.C. 796(22)), or a holding company, as defined in section 1262(8) of the Public Utility Holding Company Act of 2005 (42 U.S.C. 16451(8)), and (2) for owners which are electric utilities or holding companies, provide the percentage of equity interest in the facility held by that owner. If no direct owners hold at least 10 percent equity interest in the facility, then provide the required information for the two direct owners with the largest equity interest in the facility.

<table>
<thead>
<tr>
<th>Full legal names of direct owners</th>
<th>Electric utility or holding company</th>
<th>If Yes, % equity interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Sierra Pacific Industries</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>6)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>7)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>8)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>10)</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

☐ Check here and continue in the Miscellaneous section starting on page 19 if additional space is needed

5b  Upstream (i.e., indirect) ownership as of effective date or operation date: Identify all upstream (i.e., indirect) owners of the facility that both (1) hold at least 10 percent equity interest in the facility, and (2) are electric utilities, as defined in section 3(22) of the Federal Power Act (16 U.S.C. 796(22)), or holding companies, as defined in section 1262(8) of the Public Utility Holding Company Act of 2005 (42 U.S.C. 16451(8)). Also provide the percentage of equity interest in the facility held by such owners. (Note that, because upstream owners may be subsidiaries of one another, total percent equity interest reported may exceed 100 percent.)

Check here if no such upstream owners exist. ☒

<table>
<thead>
<tr>
<th>Full legal names of electric utility or holding company upstream owners</th>
<th>% equity interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td></td>
</tr>
<tr>
<td>3)</td>
<td></td>
</tr>
<tr>
<td>4)</td>
<td></td>
</tr>
<tr>
<td>5)</td>
<td></td>
</tr>
<tr>
<td>6)</td>
<td></td>
</tr>
<tr>
<td>7)</td>
<td></td>
</tr>
<tr>
<td>8)</td>
<td></td>
</tr>
<tr>
<td>9)</td>
<td></td>
</tr>
<tr>
<td>10)</td>
<td></td>
</tr>
</tbody>
</table>

☐ Check here and continue in the Miscellaneous section starting on page 19 if additional space is needed

5c  Identify the facility operator

Sierra Pacific Industries
### Energy Input

**6a** Describe the primary energy input: (check one main category and, if applicable, one subcategory)

- Biomass (specify)
  - Landfill gas
  - Manure digester gas
  - Municipal solid waste
  - Sewage digester gas
  - Wood
  - Other biomass (describe on page 19)
- Waste (specify type below in line 6b)

**6b** If you specified “waste” as the primary energy input in line 6a, indicate the type of waste fuel used: (check one)

- Waste fuel listed in 18 C.F.R. § 292.202(b) (specify one of the following)
  - Anthracite culm produced prior to July 23, 1985
  - Anthracite refuse that has an average heat content of 6,000 Btu or less per pound and has an average ash content of 45 percent or more
  - 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
  - Coal 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 natural gas and synthetic gas from coal) (describe on page 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)
  - Used rubber tires
  - Plastic materials
  - Refinery off-gas
  - Petroleum coke

**6c** Provide the average energy input, calculated on a calendar year basis, in terms of Btu/h for the following fossil fuel energy inputs, and provide the related percentage of the total average annual energy input to the facility (18 C.F.R. § 292.202(j)). For any oil or natural gas fuel, use lower heating value (18 C.F.R. § 292.202(m)).

<table>
<thead>
<tr>
<th>Fuel</th>
<th>Annual average energy input for specified fuel</th>
<th>Percentage of total annual energy input</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural gas</td>
<td>6,677,350 Btu/h</td>
<td>1.9 %</td>
</tr>
<tr>
<td>Oil-based fuels</td>
<td>0 Btu/h</td>
<td>0 %</td>
</tr>
<tr>
<td>Coal</td>
<td>0 Btu/h</td>
<td>0 %</td>
</tr>
</tbody>
</table>
Indicate the maximum gross and maximum net electric power production capacity of the facility at the point(s) of delivery by completing the worksheet below. Respond to all items. If any of the parasitic loads and/or losses identified in lines 7b through 7e are negligible, enter zero for those lines.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a</td>
<td>The maximum gross power production capacity at the terminals of the individual generator(s) under the most favorable anticipated design conditions</td>
<td>30,150 kW</td>
</tr>
<tr>
<td>7b</td>
<td>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.</td>
<td>3,359 kW</td>
</tr>
<tr>
<td>7c</td>
<td>Electrical losses in interconnection transformers</td>
<td>3,488.0 kW</td>
</tr>
<tr>
<td>7d</td>
<td>Electrical losses in AC/DC conversion equipment, if any</td>
<td>129 kW</td>
</tr>
<tr>
<td>7e</td>
<td>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</td>
<td>0 kW</td>
</tr>
<tr>
<td>7f</td>
<td>Total deductions from gross power production capacity = 7b + 7c + 7d + 7e</td>
<td></td>
</tr>
<tr>
<td>7g</td>
<td>Maximum net power production capacity = 7a - 7f</td>
<td>26,662.0 kW</td>
</tr>
</tbody>
</table>

**7h** Description of facility and primary components: Describe the facility and its operation. Identify all boilers, heat recovery steam generators, prime movers (any mechanical equipment driving an electric generator), electrical generators, photovoltaic solar equipment, fuel cell equipment and/or other primary power generation equipment used in the facility. Descriptions of components should include (as applicable) specifications of the nominal capacities for mechanical output, electrical output, or steam generation of the identified equipment. For each piece of equipment identified, clearly indicate how many pieces of that type of equipment are included in the plant, and which components are normally operating or normally in standby mode. Provide a description of how the components operate as a system. Applicants for cogeneration facilities do not need to describe operations of systems that are clearly depicted on and easily understandable from a cogeneration facility’s attached mass and heat balance diagram; however, such applicants should provide any necessary description needed to understand the sequential operation of the facility depicted in their mass and heat balance diagram. If additional space is needed, continue in the Miscellaneous section starting on page 19.

Saw mill residue is combusted in a stoker boiler to raise high pressure steam. The high pressure steam is run through a turbine to generate electricity. After generating electricity, low pressure steam is extracted to provide heat to lumber drying kilns. Spent steam and condensates are then recycled to the boiler. The gas burners are used during start-up and shut-down, and for flame stabilization. The PSD permit for this facility limits their use to 500 hours per year.
### Information Required for Small Power Production Facility

If you indicated in line 1k that you are seeking qualifying small power production facility status for your facility, then you must respond to the items on this page. Otherwise, skip page 10.

### Certification of Compliance with Size Limitations

Pursuant to 18 C.F.R. § 292.204(a), the power production capacity of any small power production facility, together with the power production capacity of any other small power production facilities that use the same energy resource, are owned by the same person(s) or its affiliates, and are located at the same site, may not exceed 80 megawatts. To demonstrate compliance with this size limitation, or to demonstrate that your facility is exempt from this size limitation under the Solar, Wind, Waste, and Geothermal Power Production Incentives Act of 1990 (Pub. L. 101-575, 104 Stat. 2834 (1990) as amended by Pub. L. 102-46, 105 Stat. 249 (1991)), respond to lines 8a through 8e below.

<table>
<thead>
<tr>
<th>Facility location (city or county, state)</th>
<th>Root docket # (if any)</th>
<th>Common owner(s)</th>
<th>Maximum net power production capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>QF</td>
<td></td>
<td>kW</td>
</tr>
<tr>
<td>2)</td>
<td>QF</td>
<td></td>
<td>kW</td>
</tr>
<tr>
<td>3)</td>
<td>QF</td>
<td></td>
<td>kW</td>
</tr>
</tbody>
</table>

Check here and continue in the Miscellaneous section starting on page 19 if additional space is needed.

#### 8b

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?
- Yes (continue at line 8c below)
- No (skip lines 8c through 8e)

#### 8c

Was the original notice of self-certification or application for Commission certification of the facility filed on or before December 31, 1994?
- Yes
- No

#### 8d

Did construction of the facility commence on or before December 31, 1999?
- Yes
- No

#### 8e

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

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.

### Certification of Compliance with Fuel Use Requirements

Pursuant to 18 C.F.R. § 292.204(b), qualifying small power production facilities may use fossil fuels, in minimal amounts, for only the following purposes: ignition; start-up; testing; flame stabilization; control use; alleviation or prevention of unanticipated equipment outages; and alleviation or prevention of emergencies, directly affecting the public health, safety, or welfare, which would result from electric power outages. The amount of fossil fuels used for these purposes may not exceed 25 percent of the total energy input of the facility during the 12-month period beginning with the date the facility first produces electric energy or any calendar year thereafter.

#### 9a

Certification of compliance with 18 C.F.R. § 292.204(b) with respect to uses of fossil fuel:
- Applicant certifies that the facility will use fossil fuels *exclusively* for the purposes listed above.

#### 9b

Certification of compliance with 18 C.F.R. § 292.204(b) with respect to amount of fossil fuel used annually:
- Applicant certifies that the amount of fossil fuel used at the facility will not, in aggregate, exceed 25 percent of the total energy input of the facility during the 12-month period beginning with the date the facility first produces electric energy or any calendar year thereafter.
Information Required for Cogeneration Facility

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. § 292.202(c), a cogeneration facility produces electric energy and forms of useful thermal energy (such as heat or steam) used for industrial, commercial, heating, or cooling purposes, through the sequential use of energy. Pursuant to 18 C.F.R. § 292.202(s), "sequential use" of energy means the following: (1) for a topping-cycle cogeneration facility, the use of reject heat from a power production process in sufficient amounts in a thermal application or process to conform to the requirements of the operating standard contained in 18 C.F.R. § 292.205(a); or (2) for a bottoming-cycle cogeneration facility, the use of at least some reject heat from a thermal application or process for power production.

<table>
<thead>
<tr>
<th>10a What type(s) of cogeneration technology does the facility represent? (check all that apply)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒ Topping-cycle cogeneration</td>
</tr>
<tr>
<td>☐ Bottoming-cycle cogeneration</td>
</tr>
</tbody>
</table>

10b To help demonstrate the sequential operation of the cogeneration process, and to support compliance with other requirements such as the operating and efficiency standards, include with your filing a mass and heat balance diagram depicting average annual operating conditions. This diagram must include certain items and meet certain requirements, as described below. You must check next to the description of each requirement below to certify that you have complied with these requirements.

<table>
<thead>
<tr>
<th>Check to certify compliance with indicated requirement</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒</td>
<td>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.</td>
</tr>
<tr>
<td>☒</td>
<td>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.</td>
</tr>
<tr>
<td>☒</td>
<td>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. All specifications of fuel inputs should use lower heating values.</td>
</tr>
<tr>
<td>☒</td>
<td>Diagram must specify average gross electric output in kW or MW for each generator.</td>
</tr>
<tr>
<td>☒</td>
<td>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.</td>
</tr>
<tr>
<td>☐</td>
<td>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 liquid 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<em>R) or 4.195 kJ/(kg</em>K).</td>
</tr>
<tr>
<td>☒</td>
<td>Diagram must specify working fluid flow conditions at input to and output from each steam turbine or other expansion turbine or back-pressure turbine.</td>
</tr>
<tr>
<td>☒</td>
<td>Diagram must specify working fluid flow conditions at delivery to and return from each thermal application.</td>
</tr>
<tr>
<td>☒</td>
<td>Diagram must specify working fluid flow conditions at make-up water inputs.</td>
</tr>
</tbody>
</table>
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 requirements for any qualifying cogeneration facility that (1) is seeking to sell 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 requirements were implemented by the Commission in 18 C.F.R. § 292.205(d). Complete the lines below, carefully following the instructions, to demonstrate whether these additional requirements apply to your cogeneration facility and, if so, whether your facility complies with such requirements.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11a</td>
<td>Was your facility operating as a qualifying cogeneration facility on or before August 8, 2005?</td>
<td>Yes ☐ No ☒</td>
<td></td>
</tr>
<tr>
<td>11b</td>
<td>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, 2006?</td>
<td>Yes ☐ No ☒</td>
<td></td>
</tr>
</tbody>
</table>

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.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 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? | □ Yes (continue at line 11d below)  
□ No. Your facility is not subject to the requirements of 18 C.F.R. § 292.205(d) at this time. However, it may be subject 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 11j. |

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 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 18 C.F.R. § 292.205(d) cogeneration requirements? | 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 11j.  
□ 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. |

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 11e | Will electric energy from the facility be sold pursuant to section 210 of PURPA? | □ 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.  
□ No. Applicant certifies that energy will not be sold pursuant to section 210 of PURPA. Applicant also certifies its understanding that it must recertify its facility in order to determine compliance with the requirements of 18 C.F.R. § 292.205(d) before selling energy pursuant to section 210 of PURPA in the future. Skip lines 11f through 11j. |

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 11f | Is the net power production capacity of your cogeneration facility, as indicated in line 7g above, less than or equal to 5,000 kW? | 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 understanding 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 11j.  
□ No, the net power production capacity is greater than 5,000 kW. Demonstrate compliance with the requirements 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 11g. |
Lines 11g through 11k below guide the applicant through the process of demonstrating compliance with the requirements for "fundamental use" of the facility's energy output. 18 C.F.R. § 292.205(d)(2). Only respond to the lines on this page if the instructions on the previous page direct you to do so. Otherwise, skip this page.

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 of the facility's energy output. First, the Commission has established in 18 C.F.R. § 292.205(d)(3) a "fundamental use test" that can be used to demonstrate compliance with 18 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 (including electrical, thermal, chemical and mechanical energy output) is used for industrial, commercial, residential or institutional purposes.

Second, an applicant for a facility that does not pass the fundamental use test may provide a narrative explanation of and support for its contention that the facility nonetheless 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 qualifying facility to its host facility.

Complete lines 11g through 11j below to determine compliance with the fundamental use test in 18 C.F.R. § 292.205(d)(3). Complete lines 11g through 11j even if you do not intend to rely upon the fundamental use test to demonstrate compliance with 18 C.F.R. § 292.205(d)(2).

| 11g | 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, commercial, residential or institutional purposes and not sold to an electric utility | MWh |
| 11h | Total amount of electrical, thermal, chemical and mechanical energy expected to be sold to an electric utility | MWh |
| 11i | Percentage of total annual energy output expected to be used for industrial, commercial, residential or institutional purposes and not sold to a utility = 100 * 11g / (11g + 11h) | % |
| 11j | Is the response in line 11i greater than or equal to 50 percent? | Yes/No |

Yes. Your facility complies with 18 C.F.R. § 292.205(d)(2) by virtue of passing the fundamental use test provided in 18 C.F.R. § 292.205(d)(3). Applicant certifies its understanding that, if it is to rely upon passing the fundamental use test as a basis for complying with 18 C.F.R. § 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 QF to its host facility. Applicants providing a narrative explanation of why their facility should be found to comply with 18 C.F.R. § 292.205(d)(2) in spite of non-compliance with the fundamental use test may want to review paragraphs 47 through 61 of Order No. 671 (accessible from the Commission's QF website at www.ferc.gov/QF), 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 that facility must comply with, both for the 12-month period beginning with the date the facility first 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 11g and 11h above to serve as the relevant annual standard, taking into account expected variations in production conditions.
The thermal energy output of a topping-cycle cogeneration facility is the net energy made available to an industrial or commercial process or used in a heating or cooling application. Pursuant to sections 292.202(c), (d) and (h) of the Commission’s regulations (18 C.F.R. §§ 292.202(c), (d) and (h)), the thermal energy output of a qualifying topping-cycle cogeneration facility must be useful. In connection with this requirement, describe the thermal output of the topping-cycle cogeneration facility by responding to lines 12a and 12b below.

### Usefulness of Topping-Cycle Thermal Output

#### 12a
Identify and describe each thermal host, and specify the annual average rate of thermal output made available to each host for each use. For hosts with multiple uses of thermal output, provide the data for each use in separate rows.

<table>
<thead>
<tr>
<th>Name of entity (thermal host) taking thermal output</th>
<th>Thermal host’s relationship to facility; Thermal host’s use of thermal output</th>
<th>Average annual rate of thermal output attributable to use (net of heat contained in process return or make-up water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Sierra Pacific Industries</td>
<td>Applicant or affiliate; Industrial process - manufacturing (not paper)</td>
<td>52,360,685 Btu/h</td>
</tr>
<tr>
<td>2)</td>
<td>Select thermal host’s relationship to facility</td>
<td>Btu/h</td>
</tr>
<tr>
<td>3)</td>
<td>Select thermal host’s use of thermal output</td>
<td>Btu/h</td>
</tr>
<tr>
<td>4)</td>
<td>Select thermal host’s relationship to facility</td>
<td>Btu/h</td>
</tr>
<tr>
<td>5)</td>
<td>Select thermal host’s use of thermal output</td>
<td>Btu/h</td>
</tr>
<tr>
<td>6)</td>
<td>Select thermal host’s relationship to facility</td>
<td>Btu/h</td>
</tr>
</tbody>
</table>

☐ Check here and continue in the Miscellaneous section starting on page 19 if additional space is needed

#### 12b
Demonstration of usefulness of thermal output: At a minimum, provide a brief description of each use of the thermal output identified above. In some cases, this brief description is sufficient to demonstrate usefulness. However, if your facility’s use of thermal output is not common, and/or if the usefulness of such thermal output is not reasonably clear, then you must provide additional details as necessary to demonstrate usefulness. Your application may be rejected and/or additional information may be required if an insufficient showing of usefulness is made. (Exception: If you have previously received a Commission certification approving a specific use of thermal output related to the instant facility, then you need only provide a brief description of that use and a reference by date and docket number to the order certifying your facility with the indicated use. Such exemption may not be used if any change creates a material deviation from the previously authorized use.) If additional space is needed, continue in the Miscellaneous section starting on page 19.

The steam is used as a heat source for drying lumber in the lumber manufacturing process.
Applicants for facilities representing topping-cycle technology must demonstrate compliance with the topping-cycle operating standard and, if applicable, efficiency standard. Section 292.205(a)(1) of the Commission's regulations (18 C.F.R. § 292.205(a)(1)) establishes the operating standard for topping-cycle cogeneration facilities: the useful thermal energy output must be no less than 5 percent of the total energy output. Section 292.205(a)(2) (18 C.F.R. § 292.205(a)(2)) establishes the efficiency standard for topping-cycle cogeneration facilities for which installation commenced on or after March 13, 1980: the useful power output of the facility plus one-half the useful thermal energy output must (A) be no less than 42.5 percent of the total energy input of natural gas and oil to the facility; and (B) if the useful thermal energy output is less than 15 percent of the total energy output of the facility, be no less than 45 percent of the total energy input of natural gas and oil to the facility. To demonstrate compliance with the topping-cycle operating and/or efficiency standards, or to demonstrate that your facility is exempt from the efficiency standard based on the date that installation commenced, respond to lines 13a through 13l below.

If you indicated in line 10a that your facility represents both topping-cycle and bottoming-cycle cogeneration technology, then respond to lines 13a through 13l below considering only the energy inputs and outputs attributable to the topping-cycle portion of your facility. Your mass and heat balance diagram must make clear which mass and energy flow values and system components are for which portion (topping or bottoming) of the cogeneration system.

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Value (_units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13a</td>
<td>Indicate the annual average rate of useful thermal energy output made available to the host(s), net of any heat contained in condensate return or make-up water</td>
<td>52,360,685 Btu/h</td>
</tr>
<tr>
<td>13b</td>
<td>Indicate the annual average rate of net electrical energy output</td>
<td>20,600 kW</td>
</tr>
<tr>
<td>13c</td>
<td>Multiply line 13b by 3,412 to convert from kW to Btu/h</td>
<td>70,287,200 Btu/h</td>
</tr>
<tr>
<td>13d</td>
<td>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)</td>
<td>0 hp</td>
</tr>
<tr>
<td>13e</td>
<td>Multiply line 13d by 2,544 to convert from hp to Btu/h</td>
<td>0.0 Btu/h</td>
</tr>
<tr>
<td>13f</td>
<td>Indicate the annual average rate of energy input from natural gas and oil</td>
<td>6,677,350 Btu/h</td>
</tr>
<tr>
<td>13g</td>
<td>Topping-cycle operating value = 100 * 13a / (13a + 13c + 13e)</td>
<td>42.7 %</td>
</tr>
<tr>
<td>13h</td>
<td>Topping-cycle efficiency value = 100 * (0.5*13a + 13c + 13e) / 13f</td>
<td>100 %</td>
</tr>
</tbody>
</table>

**13i** Compliance with operating standard: Is the operating value shown in line 13g greater than or equal to 5%?

- Yes (complies with operating standard)
- No (does not comply with operating standard)

**13j** Did installation of the facility in its current form commence on or after March 13, 1980?

- Yes. Your facility is subject to the efficiency requirements of 18 C.F.R. § 292.205(a)(2). Demonstrate compliance with the efficiency requirement by responding to line 13k or 13l, as applicable, below.

- No. Your facility is exempt from the efficiency standard. Skip lines 13k and 13l.

**13k** Compliance with efficiency standard (for low operating value): If the operating value shown in line 13g is less than 15%, then indicate below whether the efficiency value shown in line 13h greater than or equal to 45%:

- Yes (complies with efficiency standard)
- No (does not comply with efficiency standard)

**13l** Compliance with efficiency standard (for high operating value): If the operating value shown in line 13g is greater than or equal to 15%, then indicate below whether the efficiency value shown in line 13h is greater than or equal to 42.5%:

- Yes (complies with efficiency standard)
- No (does not comply with efficiency standard)
Information Required for Bottoming-Cycle Cogeneration Facility

If you indicated in line 10a that your facility represents bottoming-cycle cogeneration technology, then you must respond to the items on pages 16 and 17. Otherwise, skip pages 16 and 17.

The thermal energy output of a bottoming-cycle cogeneration facility is the energy related to the process(es) from which at least some of the reject heat is then used for power production. Pursuant to sections 292.202(c) and (e) of the Commission's regulations (18 C.F.R. § 292.202(c) and (e)), the thermal energy output of a qualifying bottoming-cycle cogeneration facility must be useful. In connection with this requirement, describe the process(es) from which at least some of the reject heat is used for power production by responding to lines 14a and 14b below.

<table>
<thead>
<tr>
<th>14a</th>
<th>Identify and describe each thermal host and each bottoming-cycle cogeneration process engaged in by each host. For hosts with multiple bottoming-cycle cogeneration processes, provide the data for each process in separate rows.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Name of entity (thermal host) performing the process from which at least some of the reject heat is used for power production</td>
</tr>
<tr>
<td>1)</td>
<td>Select thermal host’s relationship to facility</td>
</tr>
<tr>
<td>2)</td>
<td>Select thermal host’s relationship to facility</td>
</tr>
<tr>
<td>3)</td>
<td>Select thermal host’s relationship to facility</td>
</tr>
</tbody>
</table>

☐ Check here and continue in the Miscellaneous section starting on page 19 if additional space is needed.

14b Demonstration of usefulness of thermal output: At a minimum, provide a brief description of each process identified above. In some cases, this brief description is sufficient to demonstrate usefulness. However, if your facility’s process is not common, and/or if the usefulness of such thermal output is not reasonably clear, then you must provide additional details as necessary to demonstrate usefulness. Your application may be rejected and/or additional information may be required if an insufficient showing of usefulness is made. (Exception: If you have previously received a Commission certification approving a specific bottoming-cycle process related to the instant facility, then you need only provide a brief description of that process and a reference by date and docket number to the order certifying your facility with the indicated process. Such exemption may not be used if any material changes to the process have been made.) If additional space is needed, continue in the Miscellaneous section starting on page 19.
Applicants for facilities representing bottoming-cycle technology and for which installation commenced on or after March 13, 1990 must demonstrate compliance with the bottoming-cycle efficiency standards. Section 292.205(b) of the Commission's regulations (18 C.F.R. § 292.205(b)) establishes the efficiency standard for bottoming-cycle cogeneration facilities: the useful power output of the facility must be no less than 45 percent of the energy input of natural gas and oil for supplementary firing. To demonstrate compliance with the bottoming-cycle efficiency standard (if applicable), or to demonstrate that your facility is exempt from this standard based on the date that installation of the facility began, respond to lines 15a through 15h below.

If you indicated in line 10a that your facility represents both topping-cycle and bottoming-cycle cogeneration technology, then respond to lines 15a through 15h below considering only the energy inputs and outputs attributable to the bottoming-cycle portion of your facility. Your mass and heat balance diagram must make clear which mass and energy flow values and system components are for which portion of the cogeneration system (topping or bottoming).

<table>
<thead>
<tr>
<th>15a</th>
<th>Did installation of the facility in its current form commence on or after March 13, 1980?</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Yes. 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.</td>
<td></td>
</tr>
<tr>
<td>☐ No. Your facility is exempt from the efficiency standard. Skip the rest of page 17.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15b</th>
<th>Indicate the annual average rate of net electrical energy output</th>
</tr>
</thead>
<tbody>
<tr>
<td>kW</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15c</th>
<th>Multiply line 15b by 3,412 to convert from kW to Btu/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Btu/h</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15d</th>
<th>Indicate the annual average rate of mechanical energy output taken directly off the shaft of a prime mover for purposes not directly related to power production (this value is usually zero)</th>
</tr>
</thead>
<tbody>
<tr>
<td>hp</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15e</th>
<th>Multiply line 15d by 2,544 to convert from hp to Btu/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Btu/h</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15f</th>
<th>Indicate the annual average rate of supplementary energy input from natural gas or oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Btu/h</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15g</th>
<th>Bottoming-cycle efficiency value = 100 * (15c + 15e) / 15f</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 %</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15h</th>
<th>Compliance with efficiency standard: Indicate below whether the efficiency value shown in line 15g is greater than or equal to 45%:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Yes (complies with efficiency standard) ☐ No (does not comply with efficiency standard)</td>
<td></td>
</tr>
</tbody>
</table>
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 belief.

☐ 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

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

☐ An officer, agent, or employee 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 556 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 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 filing their documents electronically may use typed characters representing his or her name to sign the filed documents. A person filing this document electronically should sign (by typing his or her name) in the space provided below.

Your Signature

Jon Gartman

Your address

19794 Riverside Ave

Anderson, CA 96007

Date

1/26/2015

Audit Notes

Commission Staff Use Only:
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.

(1) Gas burner operation for the facility is limited to 500 hours per year. For purposes of 6c it was assumed that the gas burners would be operated for the full 500 hours per year allowed, and that average annual operating hours were 8424 (8760 less two weeks (336 hours) for maintenance).

(2) The actual calculated value for 13h should be 1485.22% but the automatically calculated value is limited to 100%.
Public Appendix B

Combined Notice of FERC Filings
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

COMBINED NOTICE OF FILINGS #1

(February 04, 2015)

Take notice that the Commission received the following electric rate filings:

Docket Numbers: ER10-2609-009; ER10-2606-009; ER10-2604-007; ER10-2603-007; ER10-2602-010
Description: Supplement to June 30, 2014 Updated Northeast Region Market Analysis of the NewPage MBR Companies.
Filed Date: 10/8/14
Accession Number: 20141008-5226
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-427-001
Applicants: Pacific Gas and Electric Company
Description: Tariff Amendment per 35.17(b): Answer to Twin Valley Answer Deficiency Filing to be effective 1/19/2015.
Filed Date: 2/4/15
Accession Number: 20150204-5142
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-506-001
Applicants: DeSoto County Generating Company, LLC
Description: Tariff Amendment per 35.17(b): Response to Deficiency Letter to be effective 12/1/2014.
Filed Date: 2/4/15
Accession Number: 20150204-5147
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-717-000; ER15-719-000; ER15-723-000
Applicants: ANP Blackstone Energy Company, LLC

Filed Date: 2/4/15
Accession Number: 20150204-5072
Comments Due: 5 pm ET 2/25/15

Applicants: Kentucky Utilities Company
Description: Tariff Amendment per 35.17(b): KU Concurrence Errata PJM 3140 to be effective 11/10/2014.

Filed Date: 2/4/15
Accession Number: 20150204-5087
Comments Due: 5 pm ET 2/25/15

Applicants: Louisville Gas and Electric Company
Description: Tariff Amendment per 35.17(b): LGE Concurrence Errata PJM 3140 to be effective 11/10/2014.

Filed Date: 2/4/15
Accession Number: 20150204-5094
Comments Due: 5 pm ET 2/25/15

Applicants: Evraz Claymont Steel, Inc.
Description: Notice of cancellation of Evraz Claymont Steel, Inc.

Filed Date: 2/2/15
Accession Number: 20150203-0001
Comments Due: 5 pm ET 2/23/15

Applicants: Public Service Company of Colorado
Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-2-4 TSGT-Ray Lewis-O&M Agrmt-345-0.0.0 to be effective 4/4/2015.

Filed Date: 2/4/15
Accession Number: 20150204-5000
Comments Due: 5 pm ET 2/25/15
Docket Numbers: ER15-969-000
Applicants: PJM Interconnection, L.L.C.
Description: §205(d) rate filing per 35.13(a)(2)(iii): First Revised Service Agreement No. 3830; Queue No. Z1-052 to be effective 1/5/2015.
Filed Date: 2/4/15
Accession Number: 20150204-5037
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-970-000
Applicants: WM North Broward, Inc.
Description: §205(d) rate filing per 35.13(a)(2)(iii): Notice of Succession to be effective 12/22/2014.
Filed Date: 2/4/15
Accession Number: 20150204-5055
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-971-000
Description: §205(d) rate filing per 35.13(a)(2)(iii): NYISO/TO 205 filing re: National Grid/Village of Boonville SA 2204 to be effective 1/15/2015.
Filed Date: 2/4/15
Accession Number: 20150204-5059
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-972-000
Applicants: Central Maine Power Company
Filed Date: 2/4/15
Accession Number: 20150204-5100
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-973-000
Applicants: Central Maine Power Company

Filed Date: 2/4/15
Accession Number: 20150204-5101
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-974-000
Applicants: Central Maine Power Company


Filed Date: 2/4/15
Accession Number: 20150204-5102
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-975-000
Applicants: Central Maine Power Company


Filed Date: 2/4/15
Accession Number: 20150204-5103
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-976-000
Applicants: Wolverine Power Supply Cooperative, Inc.

Description: Application to Approve the Reclassification by the Michigan Public Service Commission of Certain Assets and Include the Associated Revenue Requirements of Wolverine Power Supply Cooperative, Inc.

Filed Date: 2/4/15
Accession Number: 20150204-5105
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-977-000
Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2737
ATC-WPSC PCA (James St.) to be effective 4/6/2015 under ER15-977 Filing Type : 10
Filed Date: 2/4/15
Accession Number: 20150204-5107
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-978-000
Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2738
ATC-WPSC Project Services Agreement to be effective 4/6/2015.
Filed Date: 2/4/15
Accession Number: 20150204-5111
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-979-000
Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2739
ATC-UPPCO Project Services Agreement to be effective 4/6/2015.
Filed Date: 2/4/15
Accession Number: 20150204-5121
Comments Due: 5 pm ET 2/25/15

Docket Numbers: ER15-980-000
Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2740
ATC-Wisconsin Electric FCA (Enbridge) to be effective 4/6/2015.
Filed Date: 2/4/15
Accession Number: 20150204-5128
Comments Due: 5 pm ET 2/25/15

Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2741 ATC-Wisconsin Electric Project Services Agreement to be effective 4/6/2015.

Filed Date: 2/4/15
Accession Number: 20150204-5129
Comments Due: 5 pm ET 2/25/15


Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2742 ATC-Wisconsin Power and Light FCA (Enbridge) to be effective 4/6/2015.

Filed Date: 2/4/15
Accession Number: 20150204-5131
Comments Due: 5 pm ET 2/25/15


Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2743 ATC-Wisconsin Power and Light PCA (Didion) to be effective 4/6/2015.

Filed Date: 2/4/15
Accession Number: 20150204-5138
Comments Due: 5 pm ET 2/25/15


Description: §205(d) rate filing per 35.13(a)(2)(iii): 2015-02-04_SA 2744 ATC-Wisconsin Power and Light PCA (Dickinson) to be effective 4/6/2015.

Filed Date: 2/4/15
Accession Number: 20150204-5140
Comments Due: 5 pm ET 2/25/15
Take notice that the Commission received the following qualifying facility filings:

Docket Numbers: QF15-373-000
Applicants: Sierra Pacific Industries
Description: Form 556 of Sierra Pacific Industries.
Filed Date: 1/27/15
Accession Number: 20150127-5325
Comments Due: None Applicable
The filings are accessible in the Commission’s eLibrary system by clicking on the links or querying the docket number.

Any person desiring to intervene or protest in any of the above proceedings must file in accordance with Rules 211 and 214 of the Commission’s Regulations (18 CFR § 385.211 and § 385.214) on or before 5:00 pm Eastern time on the specified comment date. Protests may be considered, but intervention is necessary to become a party to the proceeding.


Nathaniel J. Davis, Sr.,
Deputy Secretary.
Public Appendix C
Confidentiality Declaration and Matrix
of Maria Vanko Wilson
I, Maria Vanko Wilson, declare:

1. I am a Manager in the Portfolio Management department within the Energy Procurement organization at Pacific Gas and Electric Company (PG&E). In this position, my responsibilities include overseeing Commercial Policy and Compliance activities at PG&E. This declaration is based on my personal knowledge of PG&E’s practices and my understanding of the Commission’s decisions protecting the confidentiality of market-sensitive information.

2. Based on my knowledge and experience, and in accordance with the Decisions 06-06-066, 08-04-023, and relevant Commission rules, I make this declaration seeking confidential treatment for certain data and information contained in PG&E’s Advice Letter to Count Anderson II as a New CHP Facility Contributing Toward PG&E’s GHG Target.

3. Attached to this declaration is a matrix identifying the data and information for which PG&E is seeking confidential treatment. The matrix specifies that the material PG&E is seeking to protect constitutes confidential market sensitive data and information covered by General Order 66-C. The matrix also specifies why confidential protection is justified. Further, the data and information: (1) is not already public; and (2) cannot be aggregated, redacted, summarized or otherwise protected in a way that allows partial disclosure. By this reference, I am incorporating into this declaration all of the explanatory text that is pertinent to my testimony in the attached matrix.
I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct. Executed on April 24, 2015 at San Francisco, California.

[Signature]
MARIA VANKO WILSON
PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

R.13-12-010 AND R.15-02-020
PG&E’s ADVICE LETTER TO COUNT ANDERSON II AS A NEW CHP FACILITY
CONTRIBUTING TOWARD PG&E’S GHG TARGET
APRIL 24, 2015

IDENTIFICATION OF CONFIDENTIAL INFORMATION

<table>
<thead>
<tr>
<th>Redaction Reference</th>
<th>Category from D.06-06-066, Appendix 1, or Separate Confidentiality Order That Data Corresponds To</th>
<th>Justification for Confidential Treatment</th>
<th>Length of Time Data To Be Kept Confidential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Document: Confidential Appendix D</td>
<td>General Order 66-C</td>
<td>SPI letter explaining to PG&amp;E that even though the fundamental use test is inapplicable, the Anderson II facility will meet that standard. This information was obtained in confidence from other than a business regulated by the Commission where the disclosure would not be in the public interest. Release of this market sensitive information could put PG&amp;E at a competitive disadvantage with regard to other market participants and could detrimentally impact PG&amp;E customers.</td>
<td>Indefinite</td>
</tr>
</tbody>
</table>
PG&E Gas and Electric
Advice Filing List
General Order 96-B, Section IV

AT&T
Albion Power Company
Alcantar & Kahl LLP
Anderson & Poole
BART
Barkovich & Yap, Inc.
Bartle Wells Associates
Braun Blaising McLaughlin, P.C.
CENERGY POWER
California Cotton Ginners & Growers Assn
California Energy Commission
California Public Utilities Commission
California State Association of Counties
Calpine
Casner, Steve
Center for Biological Diversity
City of Palo Alto
City of San Jose
Clean Power
Coast Economic Consulting
Commercial Energy
Cool Earth Solar, Inc.
County of Tehama - Department of Public Works
Crossborder Energy
Davis Wright Tremaine LLP
Day Carter Murphy
Defense Energy Support Center
Dept of General Services
Division of Ratepayer Advocates
Douglass & Liddell
Downey & Brand
Ellison Schneider & Harris LLP
G. A. Krause & Assoc.
GenOn Energy Inc.
GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz & Ritchie
Green Power Institute
Hanna & Morton
In House Energy
International Power Technology
Interstate Gas Services, Inc.
K&L Gates LLP
Kelly Group
Leviton Manufacturing Co., Inc.
Linde
Los Angeles County Integrated Waste Management Task Force
Los Angeles Dept of Water & Power
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenna Long & Aldridge LLP
McKenzie & Associates
Modesto Irrigation District
Morgan Stanley
NLine Energy, Inc.
NRG Solar
Nexant, Inc.
Occidental Energy Marketing, Inc.
Office of Ratepayer Advocates
OnGrid Solar
Pacific Gas and Electric Company
Praxair
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
SCE
SDG&E and SoCalGas
SPURR
Seattle City Light
Sempra Energy (SoCalGas)
Sempra Utilities
SoCalGas
Southern California Edison Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
Tiger Natural Gas, Inc.
TransCanada
Utility Cost Management
Utility Power Solutions
Utility Specialists
Verizon
Water and Energy Consulting
Wellhead Electric Company
Western Manufactured Housing Communities Association (WMA)
YEP Energy