

October 6, 2016

Via Electronic Filing

Oregon Public Utility Commission puc.filingcenter@state.or.us

RE: Copy of FERC Form 556 for Pika Solar, LLC

To Whom It May Concern:

Pursuant to 18 C.F.R. § 292.207(c)(1), we are enclosing a copy of the Form 556, Certification of Qualifying Facility (QF) Status, for **Pika Solar, LLC**, as filed with the Federal Energy Regulatory Commission in Docket No. QF17-5-000.

At this time, we kindly request that you file the enclosed materials in Docket No: RE 26, Self-Certification as FERC Qualifying Facility – FERC Form 556.

Thank you for your assistance with this matter. If you should require additional information and/or have any questions regarding the enclosed materials, please feel free to contact me directly at regulatory@ccrenew.com.

Thank you,

Nikki Anas

Cypress Creek Renewables, LLC



Enclosure

From: eFiling@ferc.gov

To: Nikki Anas; efilingacceptance@ferc.gov
Subject: FERC Acceptance for Filing in QF17-5-000
Date: Tuesday, October 04, 2016 6:36:37 AM

Acceptance for Filing

The FERC Office of the Secretary has accepted the following electronic submission for filing (Acceptance for filing does not constitute approval of any application or self-certifying notice):

-Accession No.: 201610035391, 201610035392

-Docket(s) No.: QF17-5-000

-Filed By: Cypress Creek Renewables, LLC

-Signed By: Evan Riley

-Filing Type: Qualifying Facility Application or PURPA Energy Utility Filing

-Filing Desc: Form 556 of Pika Solar, LLC under QF17.

-Submission Date/Time: 10/3/2016 12:53:56 PM

-Filed Date: 10/3/2016 12:53:56 PM

Your submission is now part of the record for the above Docket(s) and available in FERC's eLibrary system at:

http://elibrary.ferc.gov/idmws/file_list.asp?accession_num=20161003-5391

If you would like to receive e-mail notification when additional documents are added to the above docket(s), you can eSubscribe by docket at:

https://ferconline.ferc.gov/eSubscription.aspx

Thank you again for using the FERC Electronic Filing System. If you need to contact us for any reason:

E-Mail: ferconlinesupport@ferc.gov mailto:ferconlinesupport@ferc.gov (do not send filings to this address) Voice Mail: 866-208-3676.

PUBLIC (REDACTED)

FEDERAL ENERGY REGULATORY COMMISSION WASHINGTON, DC

OMB Control # 1902-0075 Expiration 06/30/2019

Form 556 Certification of Qualifying Facility (QF) Status for a Small Power Production or Cogeneration Facility

General

Questions about completing this form should be sent to 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 and click the eFiling link.

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

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

Filing category	Filing Type as listed in eFiling	Description
	(Fee) Application for Commission Cert. as Cogeneration QF	Use to submit an application for Commission certification or Commission recertification of a cogeneration facility as a QF.
	(Fee) Application for Commission Cert. as Small Power QF	Use to submit an application for Commission certification or Commission recertification of a small power production facility as a QF.
	Self-Certification Notice (QF, EG, FC)	Use to submit a notice of self- certification of your facility (cogeneration or small power production) as a QF.
Electric	Self-Recertification of Qualifying Facility (QF)	Use to submit a notice of self- recertification of your facility (cogeneration or small power production) as a QF.
	Supplemental Information or Request	Use to correct or supplement a Form 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.
General	(Fee) Petition for Declaratory Order (not under FPA Part 1)	Use to submit a petition for declaratory order granting a waiver of Commission QF regulations pursuant to 18 C.F.R. §§ 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.

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.

FERC Form 556 PUBLIC (REDACTED) Page 3 - Instructions

Filing Fee

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

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

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

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

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

Required Notice to Utilities and State Regulatory Authorities

Pursuant to 18 C.F.R. § 292.207(a)(ii), you must provide a copy of your self-certification or request for Commission certification to the utilities with which the facility will interconnect and/or transact, as well as to the State regulatory authorities of the states in which your facility and those utilities reside. Links to information about the regulatory authorities in various states can be found by visiting the Commission's QF website at 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 https://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 applicants'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
Section 5b
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.

PUBLIC (REDACTED)

FEDERAL ENERGY REGULATORY COMMISSION WASHINGTON, DC

OMB Control # 1902-0075 Expiration 06/30/2019

Form 556 Certification of Qualifying Facility (QF) Status for a Small Power Production or Cogeneration Facility

1b Applicant street a 3250 Ocean Pa Suite 355					
1c City		1d State/province			
Santa Monica		CA			
1e Postal code 90405	1f Country (if not United States)		1g Telephone number (310) 581–6299		
	cility ever previously been certified as a C	QF? Yes 📗 I	No 🛛		
1i If yes, provide the	docket number of the last known QF filir	g pertaining to t	his facility: QF		
1j Under which certi	fication process is the applicant making t	his filing?			
Notice of self-ce		_	ommission certification (requires filing e" section on page 3)		
QF status. A noti notice of self-cer	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 Q	1k What type(s) of QF status is the applicant seeking for its facility? (check all that apply)				
Qualifying smal	l power production facility status	Qualifying cogen	eration facility status		
11 What is the purpo	se and expected effective date(s) of this f	iling?			
✓ Original certific	ation; facility expected to be installed by	3/15/18 a	and to begin operation on $4/1/18$		
	oreviously certified facility to be effective) of change(s) below, and describe chang		llaneous section starting on page 19)		
	ge and/or other administrative change(s)	, = , = ,	g c page,		
☐ Change in o					
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.					
previously gra	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					
employment	cility complies with the Commission's reg of unique or innovative technologies not ation of compliance via this form difficult	contemplated b			

2a Name of contact person			2b Telephone number		
Evan Riley (310) 581-6299					
2c Which of the following describes	the contact person's rel	ationship to the ap	oplicant? (check one)		
Applicant (self) Employee, owner or partner of applicant authorized to represent the applicant					
Employee of a company affilia	ted with the applicant a	uthorized to repres	sent the applicant on this matter		
Lawyer, consultant, or other re	presentative authorized	to represent the a	applicant on this matter		
2d Company or organization name		lual, check here an	nd skip to line 2e)		
Cypress Creek Renewables,					
2e Street address (if same as Application	ant, check here and skip	to line 3a)			
2f City		3m Chata/ava	do a		
Lity		2g State/prov	vince		
2h Postal code	2i Country (if not Unite	ed States)			
3a Facility name		-			
Pika Solar, LLC					
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Pika Solar, LLC 3b Street address (if a street address)	s does not exist for the fa	acility, check here a	and skip to line 3c)⊠		
	s does not exist for the fa	acility, check here a	and skip to line 3c)⊠		
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Portland General Electric (PGE)

direct ow	or holding companies, provide the percentage of equity interest in the facility holds at least 10 percent equity interest in the facility, then provide the recent owners with the largest equity interest in the facility.	quired in	formation	n for th
		Electric u		If Y
	Full legal names of direct owners	comp	_	inte
1) Pika S	Solar, LLC	Yes 🔀	No 🗌	1
2)		Yes 🗌	No 🗌	
3)		Yes 🗌	No 🗌	
4)		Yes 🗌	No 🗌	
5)		Yes 🗌	No 🗌	
6)		Yes 🗌	No 🗌	
7)		Yes 🗌	No 🗌	
8)		Yes 🗌	No 🗌	
9)		Yes 🗌	No 🗌	
10)		Yes	No 🗌	
5b Upstream of the fac defined in 1262(8) cequity in	ck here and continue in the Miscellaneous section starting on page 19 if addition (i.e., indirect) ownership as of effective date or operation date: Identify all upcility that both (1) hold at least 10 percent equity interest in the facility, and (2) in section 3(22) of the Federal Power Act (16 U.S.C. 796(22)), or holding companion the Public Utility Holding Company Act of 2005 (42 U.S.C. 16451(8)). Also protected in the facility held by such owners. (Note that, because upstream owner total percent equity interest reported may exceed 100 percent.)	estream (i are elect nies, as de ovide the	i.e., indire ric utilitie efined in percenta	ct) owr es, as section age of
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Check defined in 1262(8) of equity in another, Check he 1) REDACT 2) REDACT 4) REDACT 5) REDACT 6) REDACT	In (i.e., indirect) ownership as of effective date or operation date: Identify all upcility that both (1) hold at least 10 percent equity interest in the facility, and (2) in section 3(22) of the Federal Power Act (16 U.S.C. 796(22)), or holding companion of the Public Utility Holding Company Act of 2005 (42 U.S.C. 16451(8)). Also protected in the facility held by such owners. (Note that, because upstream owner total percent equity interest reported may exceed 100 percent.) The if no such upstream owners exist. Full legal names of electric utility or holding company upstream owners are processed. The company is a second of the facility of the	ostream (i are elect nies, as de ovide the rs may be	i.e., indire ric utilitie efined in percenta	ct) owr es, as section age of ries of o
Check defined in 1262(8) of equity in another, Check he 1) REDACT 2) REDACT 4) REDACT 5) REDACT 6) REDACT 7) REDACT	In (i.e., indirect) ownership as of effective date or operation date: Identify all upcility that both (1) hold at least 10 percent equity interest in the facility, and (2) in section 3(22) of the Federal Power Act (16 U.S.C. 796(22)), or holding companion of the Public Utility Holding Company Act of 2005 (42 U.S.C. 16451(8)). Also protected in the facility held by such owners. (Note that, because upstream owner total percent equity interest reported may exceed 100 percent.) The if no such upstream owners exist. Full legal names of electric utility or holding company upstream owners are processed. The company is a second of the facility of the	ostream (i are elect nies, as de ovide the rs may be	i.e., indire ric utilitie efined in percenta	ct) owr es, as section age of ries of

	ба	Describe the primary energy input: (check one main category and, if applicable, one subcategory)								
		Bioma	ss (specify)	⊠ R	ene	wable resources (spe	cify)	☐ Geothe	ermal	
			Landfill gas			Hydro power - river		Fossil f	uel (spec	ify)
			Manure digester gas			Hydro power - tidal			Coal (not	waste)
			Municipal solid waste			Hydro power - wave	!	□ F	uel oil/d	iesel
			Sewage digester gas		\boxtimes	Solar - photovoltaic		1	Natural g	as (not waste)
		_ '	Wood			Solar - thermal			Other fos	
			Other biomass (describe on	page 19)		Wind		(describe	on page 19)
			(specify type below in line 6			Other renewable res (describe on page 1	9)			on page 19)
	6b	If you spec	cified "waste" as the primary	energy inp	ut ir	line 6a, indicate the	type of v	waste fuel ບ	ısed: (che	ck one)
		☐ Wast	e fuel listed in 18 C.F.R. § 29	2.202(b) (sp	ecif	y one of the following	g)			
			Anthracite culm produced	prior to Jul	y 23,	, 1985				
			Anthracite refuse that has a ash content of 45 percent	an average or more	heat	content of 6,000 Btu	ı or less p	per pound a	and has a	n average
			Bituminous coal refuse tha average ash content of 25				00 Btu pe	er pound or	less and	has an
nput	Top or bottom subbituminous coal produced on Federal lands determined to be waste by the United States Department of the (BLM) or that is located on non-Federal or non-Indian lands out the applicant shows that the latter coal is an extension of that of						e Interior	r's Bureau o BLM's jurisdi	of Land Miction, pro	anagement ovided that
Energy Input	Coal refuse produced on Federal lands or on Indian lands that has been determined BLM or that is located on non- Federal or non-Indian lands outside of BLM's jurisdicti applicant shows that the latter is an extension of that determined by BLM to be wast					tion, pro				
Ш	Lignite produced in association with the production of montan wax and lignite that becomes exp						es exposed			
	☐ Gaseous fuels (except natural gas and synthetic gas from coal) (describe on page 19)									
i			Waste natural gas from gas C.F.R. § 2.400 for waste nat compliance with 18 C.F.R.	ural gas; in	s (de clud	scribe on page 19 ho e with your filing any	w the ga material	as meets the Is necessary	e require / to demo	ments of 18 onstrate
			Materials that a governmen	nt agency h	as c	ertified for disposal b	y combu	istion (desc	ribe on p	age 19)
			Heat from exothermic reac	tions (desc	ribe	on page 19)	☐ Res	sidual heat	(describe	on page 19)
			Used rubber tires	Plastic ma	ateri	als 🗌 Refir	ery off-g	jas	☐ Petro	oleum coke
;	Other waste energy input that has little or no commercial value and exists in the absence of the qualifying facility industry (describe in the Miscellaneous section starting on page 19; include a discussion of the fue lack of commercial value and existence in the absence of the qualifying facility industry)						ualifying the fuel's			
	бс	energy inp	e average energy input, calc outs, and provide the related). For any oil or natural gas f	l percentag	e of	the total average ani	nual ener	rgy input to	following the facil	g fossil fuel ity (18 C.F.R. §
						average energy	Pe	ercentage o	of total	
			Fuel Natural gas	inp	out f	or specified fuel	an	nual energ	y input	j
			Oil-based fuels			0 B t	u/h		0 %	
			Coal			0 Bt	u/h		0 %	
			Coal			0 Bt	u/h		0 %	

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. 7a The maximum gross power production capacity at the terminals of the individual generator(s) under the most favorable anticipated design conditions 2,200 kW 7b Parasitic station power used at the facility to run equipment which is necessary and integral to the power production process (boiler feed pumps, fans/blowers, office or maintenance buildings directly related to the operation of the power generating facility, etc.). If this facility includes nonpower 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. 11 kW 7c Electrical losses in interconnection transformers 22 kW 7d Electrical losses in AC/DC conversion equipment, if any o kW 7e 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 0 kW **7f** Total deductions from gross power production capacity = 7b + 7c + 7d + 7e33.0 kW **7g** Maximum net power production capacity = 7a - 7f 2,167.0 kW

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.

The facility will be a 2.2 MW AC photovoltaic (PV) array comprised of approximately ten thousand thirty two (10,032) 310Wp panels (or equivalent) attached to ground-mounted racks. The facility will utilize approximately eight (88) 25kV inverters (or equivalent).

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.

	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 (as applicable).				
	8a Identify any facilities with electrical generating equipment located within 1 mile of the electrical generating equipment of the instant facility, and for which any of the entities identified in lines 5a or 5b, or their affiliates, holds at least a 5 percent equity interest.				
nce	Check here if no such facilities exist.				
tification of Complial with Size Limitations	Facility location Root docket # Maximum net power (city or county, state) (if any) Common owner(s) production capacity				
omj tati	1) QF - kW				
f C	2) QF - kW				
re L	3)QFkw				
atio Siz	Check here and continue in the Miscellaneous section starting on page 19 if additional space is needed				
Certification of Compliance with Size Limitations	 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:				
ion of Use F	Applicant certifies that the facility will use fossil fuels <i>exclusively</i> for the purposes listed above.				
Certificat with Fuel	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.					
	10a What type(s) of cog	eneration technology does the facility represent? (check all that apply)				
	Topping-cycle	cogeneration Bottoming-cycle cogeneration				
	other requirements balance diagram de meet certain requir	te the sequential operation of the cogeneration process, and to support compliance with such as the operating and efficiency standards, include with your filing a mass and heat epicting average annual operating conditions. This diagram must include certain items and ements, as described below. You must check next to the description of each requirement it you have complied with these requirements.				
	Check to certify compliance with	Paguiroment				
	indicated requirement	Requirement				
ration ر		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.				
gene natior		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.				
General Cogeneration Information		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.				
ene		Diagram must specify average gross electric output in kW or MW for each generator.				
G		Diagram must specify average mechanical output (that is, any mechanical energy taken off of the shaft of the prime movers for purposes not directly related to electric power generation) in horsepower, if any. Typically, a cogeneration facility has no mechanical output.				
		At each point for which working fluid flow conditions are required to be specified (see below), such flow condition data must include mass flow rate (in lb/h or kg/s), temperature (in °F, R, °C or K), absolute pressure (in psia or kPa) and enthalpy (in Btu/lb or kJ/kg). Exception: For systems where the working fluid is <i>liquid only</i> (no vapor at any point in the cycle) and where the type of liquid and specific heat of that liquid are clearly indicated on the diagram or in the Miscellaneous section starting on page 19, only mass flow rate and temperature (not pressure and enthalpy) need be specified. For reference, specific heat at standard conditions for pure liquid water is approximately 1.002 Btu/ (lb*R) or 4.195 kJ/(kg*K).				
		Diagram must specify working fluid flow conditions at input to and output from each steam turbine or other expansion turbine or back-pressure turbine.				
		Diagram must specify working fluid flow conditions at delivery to and return from each thermal application.				
		Diagram must specify working fluid flow conditions at make-up water inputs.				





FERC Fo	rm 556	PUBLIC (REDACTED)	Page 12 - Cogeneration Facilities	
	EPAct 2005 cogeneration facilities: The Energy Policy Act of 2005 (EPAct 2005) established a new section 210(n) of the Public Utility Regulatory Policies Act of 1978 (PURPA), 16 USC 824a-3(n), with additional 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 complimith such requirements.			
		g as a qualifying cogeneration facility on c		
	11b Was the initial filing seek for Commission certification) f	ing certification of your facility (whether a iled on or before February 1, 2006? Yes	notice of self-certification or an application No	
s s	If the answer to either line 11a 11a and 11b are No, skip to lin	or 11b is Yes, then continue at line 11c be e 11e below.	low. Otherwise, if the answers to both lines	
2005 Requirements for Fundamental Use ergy Output from Cogeneration Facilities	February 2, 2006 that affect ge production capacity from the	n and operation of the facility, have any cheneral plant operation, affect use of therma plant's capacity on February 1, 2006?	anges been implemented on or after all output, and/or increase net power	
l Lic	Yes (continue at line 11	d below)		
Funda neratic	subject to to these requ	subject to the requirements of 18 C.F.R. § 2 direments in the future if changes are made the facility to determine eligibility. Skip li	92.205(d) at this time. However, it may be e to the facility. At such time, the applicant nes 11d through 11j.	
s for ogei	11d Does the applicant conte a "new" cogeneration facility t	nd that the changes identified in line 11c a hat would be subject to the 18 C.F.R. § 292	are not so significant as to make the facility .205(d) cogeneration requirements?	
ement from C	the facility (including th	cellaneous section starting on page 19 a de ne purpose of the changes) and a discussio generation facility in light of these changes	escription of any relevant changes made to on of why the facility should not be s. Skip lines 11e through 11j.	
Requir utput	applicability of the requ	s to the fact that it is a "new" cogeneration irements of 18 C.F.R. § 292.205(d)) by virtu ruary 2, 2006. Continue below at line 11e.	e of modifications to the facility that were	
95 y C	11e Will electric energy from	the facility be sold pursuant to section 210	of PURPA?	
w	Yes. The facility is an EF 292.205(d)(2) by contin	PAct 2005 cogeneration facility. You must output at line 11f below.		
EPAct of En	its understanding that i	that energy will <i>not</i> be sold pursuant to sect t must recertify its facility in order to deter <i>efore</i> selling energy pursuant to section 21	ction 210 of PURPA. Applicant also certifies mine compliance with the requirements of 0 of PURPA in the future. Skip lines 11f	
·	11f Is the net power production equal to 5,000 kW?	on capacity of your cogeneration facility, as	s indicated in line 7g above, less than or	
	rebuttable presumption requirements for funda certifies its understandi kW, then the facility mu 292.205(d)(2). Skip line	n that cogeneration facilities of 5,000 kW ar mental use of the facility's energy output in ng that, should the power production capa st be recertified to (among other things) d s 11g through 11j.	n 18 C.F.R. § 292.205(d)(2). Applicant acity of the facility increase above 5,000 emonstrate compliance with 18 C.F.R. §	
	No, the net power prod requirements for funda- the next page at line 11		Demonstrate compliance with the n 18 C.F.R. § 292.205(d)(2) by continuing on	

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)	0 %

11) Is the response in line 11i greater than or equal to 50 percent?

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.



Information Required for Topping-Cycle Cogeneration Facility

If you indicated in line 10a that your facility represents topping-cycle cogeneration technology, then you must respond to the items on pages 14 and 15. Otherwise, skip pages 14 and 15.

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 toppingcycle 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. 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. Average annual rate of thermal output attributable to use (net of Name of entity (thermal host) Thermal host's relationship to facility; heat contained in process taking thermal output Thermal host's use of thermal output return or make-up water) Select thermal host's relationship to facility 1) Select thermal host's use of thermal output Btu/h Select thermal host's relationship to facility 2) **Usefulness of Topping-Cycle** Select thermal host's use of thermal output Btu/h Select thermal host's relationship to facility 3) Select thermal host's use of thermal output Btu/h **Thermal Output** Select thermal host's relationship to facility 4) Select thermal host's use of thermal output Btu/h Select thermal host's relationship to facility 5) Select thermal host's use of thermal output Btu/h Select thermal host's relationship to facility 6) Select thermal host's use of thermal output Btu/h 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.



m 556	PUBLIC (REDACTED)	Page 15 - Topping-	Cycle Cogeneration Facilities
cycle operating st regulations (18 C. the useful therma (18 C.F.R. § 292.20 installation comm thermal energy of facility; and (B) if t be no less than 45 compliance with	ilities representing topping-cycle technicandard and, if applicable, efficiency states. F.R. § 292.205(a)(1)) establishes the open of the energy output must be no less than 505(a)(2)) establishes the efficiency standmenced on or after March 13, 1980: the utput must (A) be no less than 42.5 per the useful thermal energy output is less of percent of the total energy input of not the topping-cycle operating and/or efficiency standard based on the date of the efficiency standard based on the date of the total energy input of the efficiency standard based on the date of the efficiency standard based on the efficiency stan	andard. Section 292.205(a)(1) of erating standard for topping-cy of percent of the total energy out dard for topping-cycle cogenerates are to the factories of the total energy input of the total energy input of the total eratural gas and oil to the facility. Ficiency standards, or to demonstrate to the total energy standards, or to demonstrate the standards.	of the Commission's orcle cogeneration facilities: tput. Section 292.205(a)(2) ation facilities for which ility plus one-half the useful of natural gas and oil to the energy output of the facility, ation To demonstrate strate that your facility is
technology, then attributable to the which mass and e cogeneration syst		w considering only the energy i . Your mass and heat balance d nents are for which portion (top	nputs and outputs liagram must make clear
	annual average rate of useful thermal		
	of any heat contained in condensate r		Btu/h
13b Indicate the	annual average rate of net electrical er	nergy output	kW
13c Multiply line	13b by 3,412 to convert from kW to Bt	u/h	KVV
			0 Btu/h
13d Indicate the	annual average rate of mechanical ene	ergy output taken directly off	
	rime mover for purposes not directly re	elated to power production	
(this value is usua	lly zero)		hp
13e Multiply line	e 13d by 2,544 to convert from hp to Bt	:u/h	
			o Btu/h
13f Indicate the	annual average rate of energy input fro	om natural gas and oil	
4D T	100 * 12- //12-	12 - 12 - 1	Btu/h
13g Topping-cyc	cle operating value = 100 * 13a / (13a +	13C + 13e)	0.00
13h Topping-cv	cle efficiency value = 100 * (0.5*13a + 1	13c ± 13e) / 13f	0 %
1311 Topping cy	cie efficiency value = 100 (0.5 15a 1 1	136 1 136/7 131	0 %
13i Compliance	with operating standard: Is the operati	ing value shown in line 13g gre	
Yes (con	nplies with operating standard)	No (does not comply wit	th operating standard)
13j Did installation	on of the facility in its current form con	nmence on or after March 13, 19	980?
	r facility is subject to the efficiency requice with the efficiency requirement by t		
No. Your	facility is exempt from the efficiency st	andard. Skip lines 13k and 13l.	
	with efficiency standard (for low operandicate below whether the efficiency va		
Yes (co	mplies with efficiency standard)	No (does not comply wit	:h efficiency standard)
	with efficiency standard (for high opera qual to 15%, then indicate below whet		

No (does not comply with efficiency standard)

Yes (complies with efficiency standard)

Information Required for Bottoming-Cycle Cogeneration Facility

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-

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. 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. 14a 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. Has the energy input to Name of entity (thermal host) the thermal host been performing the process from augmented for purposes which at least some of the of increasing power reject heat is used for power Thermal host's relationship to facility; production capacity? production Thermal host's process type (if Yes, describe on p. 19) Select thermal host's relationship to facility Yes No Select thermal host's process type Select thermal host's relationship to facility Usefulness of Bottoming-Cycle 2) Yes No Select thermal host's process type Select thermal host's relationship to facility No Thermal Output Select thermal host's process type 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.

than or equal to 45%:

Yes (complies with efficiency standard)

rm 556 PUBLIC (REDACTED) P	age 17 - Bottoming-Cycle Cogeneration Facilities
Applicants for facilities representing bottoming-cycle technology a March 13, 1990 must demonstrate compliance with the bottoming the Commission's regulations (18 C.F.R. § 292.205(b)) establishes the cogeneration facilities: the useful power output of the facility must of natural gas and oil for supplementary firing. To demonstrate corstandard (if applicable), or to demonstrate that your facility is exeminstallation of the facility began, respond to lines 15a through 15h began.	-cycle efficiency standards. Section 292.205(b) of e efficiency standard for bottoming-cycle be no less than 45 percent of the energy input npliance with the bottoming-cycle efficiency pt from this standard based on the date that
If you indicated in line 10a that your facility represents <i>both</i> topping technology, then respond to lines 15a through 15h below consider attributable to the bottoming-cycle portion of your facility. Your m which mass and energy flow values and system components are for (topping or bottoming).	ing only the energy inputs and outputs ass and heat balance diagram must make clear
 15a Did installation of the facility in its current form commence on Yes. Your facility is subject to the efficiency requirement of with the efficiency requirement by responding to lines 15b No. Your facility is exempt from the efficiency standard. Sk 	18 C.F.R. § 292.205(b). Demonstrate compliance through 15h below.
15b Indicate the annual average rate of net electrical energy output	kW
15c Multiply line 15b by 3,412 to convert from kW to Btu/h	0 Btu/h
15d Indicate the annual average rate of mechanical energy output of the shaft of a prime mover for purposes not directly related to po (this value is usually zero)	
15e Multiply line 15d by 2,544 to convert from hp to Btu/h	0 Btu/h
15f Indicate the annual average rate of supplementary energy input or oil	
15g Bottoming-cycle efficiency value = 100 * (15c + 15e) / 15f	

15h Compliance with efficiency standard: Indicate below whether the efficiency value shown in line 15g is greater

No (does not comply with efficiency standard)

Commission Staff Use Only:

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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 employe of the governmental authority, agency, or instrumentality on behalf of which the filing is made A representative qualified to practice before the Commission under Rule 2101 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2101) and who possesses authority to sign He or she has reviewed all automatic calculations and agrees with their results, unless otherwise noted in the Miscellaneous section starting on page 19. He or she has provided a copy of this Form 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** Your address Date 3250 Ocean Park Blvd., Suite 355 Santa Monica, CA 90405 Evan Riley **Audit Notes**

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.