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 <u>Form556@ferc.gov</u>. Information about the Commission's QF program, answers to frequently asked questions about QF requirements or completing this form, and contact information for QF program staff are available at the Commission's QF website, <u>www.ferc.gov/QF</u>. 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.

Title 18, U.S.C. 1001 makes it a crime for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious or fraudulent statements as to any matter within its jurisdiction.

Who Must File

Certification:

Any applicant seeking QF status for a generating facility that has a net power production capacity (as determined in lines 7a through 7g below) greater than 1 MW 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 1 MW 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. This includes any applicant seeking small power production QF status for a generating facility that, together with any affiliated small power production QFs that use the same energy resource and are within one mile of the filing facility, has a net power production capacity 1 MW or less.

Recertification:

A QF must file a recertification whenever the qualifying facility "fails to conform with any material facts or representations presented ... in its submittals to the Commission." 18 C.F.R. § 292.207(f).

Among other possible changes in material facts that would necessitate recertification, a small power production QF is required to recertify to update item 8a due to a change at an affiliated facility(ies) one mile or less from its electrical generating equipment. A small power production QF is *not* required to recertify due to a change at an affiliated facility(ies) listed in item 8a that is more than one mile but less than 10 miles away from its electrical generating equipment, unless that change also impacts any other entries on the Form 556.

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 (*i*) 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 3). 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 4 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 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 penalize a person for not complying with a collection of information unless it displays a currently valid OMB control number.

The estimated total burden for completing the FERC Form 556, including gathering and reporting information, is as follows: 1.5 hours for self-certifications of facilities of 1 MW or less; 1.5 hours for self-certifications of a cogeneration facility over 1 MW; 50 hours for applications for Commission certification of a cogeneration facility; 3.5 hours for self-certifications of small power producers over 1 MW and less than a mile or more than 10 miles from affiliated small power production QFs that use the same energy resource; 56 hours for an application for Commission certification of a small power production facility over 1 MW and less than a mile or more than 10 miles from affiliated small power production facility over 1 MW and less than a mile or more than 10 miles from affiliated small power production facility over 1 MW and less than a mile or more than 10 miles from affiliated small power production QFs that use the same energy resource; 9.5 hours for self-certifications of small power producers over 1 MW with affiliated small power production QFs more than one but less than 10 miles that use the same energy resource; 62 hours for an application for Commission certification of a small power production facility over 1 MW with affiliated small power production for Commission certification of a small power production facility over 1 MW with affiliated small power production for Commission certification of a small power production facility over 1 MW with affiliated small power production for Commission certification of a small power production facility over 1 MW with affiliated small power production QFs more than 10 miles that use the same energy resource; 62 hours for an application for Commission certification of a small power production facility over 1 MW with affiliated small power production QFs more than one but less than 10 miles that use the same energy resource.

Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to the following: Information Clearance Officer, Office of the Executive Director (ED-32), Federal Energy Regulatory Commission, 888 First Street N.E., Washington, DC 20426 (<u>DataClearance@ferc.gov</u>); and Desk Officer for FERC, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 through <u>www.reginfo.gov/public/do/PRAMain</u>. Include FERC-556 and the Control No. 1902-0075 in any correspondence.

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 <u>www.ferc.gov/QF</u> and clicking the Filing Fees link.

You will be prompted to submit your filing fee, if applicable, during the electronic filing process described on page 3.

Electronic Filing (eFiling)

To electronically file your Form 556, visit the Commission's QF website at <u>www.ferc.gov/QF</u> 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.
	Self-Recertification of Qualifying Facility (QF) (Supplement or Correction)	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 <i>not</i> 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 by check or money order via ACH Credit transfer, wire payment, courier, or mail.

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

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.

Protests to the Filing

Pursuant to 18 C.F.R. § 292.207, an interested party has 30 days from the date of the filing of a self-certification or self-recertification to intervene or file a protest. Protests may be made to an initial certification (both self-certification and application for Commission certification) filed on or after December 31, 2020, but only to a recertification (both self-recertification and application for Commission recertification) that makes substantive changes to the existing certification and that is filed on or after December 31, 2020, as described in Order No. 872 (accessible from the Commission's QF website at www.ferc.gov/QF). Substantive changes that may be subject to a protest may include, for example, a change in electrical generating equipment that increases power production capacity by the greater of 1 MW or 5% of the previously certified capacity of the QF, or a change in ownership in which an owner increases its equity interest by at least 10% from the equity interest previously reported. The protestor must concurrently serve a copy of such filing pursuant to 18 C.F.R. § 385.2011. Any response to a protest must be filed on or before 30 days from the date of filing of that protest.

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

Items 3c and 8a of the Form 556 require you to report your facility's (and certain neighboring facilities') 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. 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 <u>www.ferc.gov/help/filing-guide/file-ceii.asp</u> 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 <u>except</u> for data from the lines indicated below, which has been redacted.

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

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

The eFiling process described on page 3 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 <u>all</u> fields which contain data for which you are seeking non-public status.

The Commission is not responsible for detecting or correcting filer errors, including those errors related to security designation. If your documents contain sensitive information, make sure they are filed using the proper security designation.

		WASHINGTO		Expiration 11/30/2022				
	Form 5	56 Certification of Qualifyi Production or Cogener	ng Facility (QF ation Facility) Status for a Small Power				
	1a Full name of applica Round Lake Sola	ant (legal entity on whose behalf qualitar, LLC	fying facility statu	is is sought for this facility)				
		dress Renewable DG US Operations ceet, 14th Floor	, LLC					
	1c City New York		1d State/province					
	1e Postal code	1f Country (if not United States)		1g Telephone number 646-992-2400				
	1h Has the instant facil	ity ever previously been certified as a (QF? Yes 🔀 I	No 🗌				
	1i If yes, provide the do	ocket number of the last known QF filir	ng pertaining to t	his facility: QF23668000				
	1j Under which certification process is the applicant making this filing?							
_	Notice of self-certification (requires filing fee; see "Filing Fee" section on page 2)							
pplication Information	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 4 for more information.							
nfc	1k What type(s) of QF status is the applicant seeking for its facility? (check all that apply)							
n l	Qualifying small power production facility status Qualifying cogeneration facility status							
atic	11 What is the purpose and expected effective date(s) of this filing?							
plic	Original certification; facility expected to be installed by and to begin operation on							
Apl	Change(s) to a previously certified facility to be effective on $\frac{4/18/24}{(identify type(s) of change(s) below, and describe change(s) in the Miscellaneous section starting on page 24)$							
	\boxtimes 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 24)							
	 Im 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 24. 							
	previously gran	ity complies with the Commission's QF ted by the Commission in an order dat scellaneous section starting on page 2	ed	virtue of a waiver of certain regulations (specify any other relevant waiver				
		ity would comply with the Commission th this application is granted	n's QF requiremer	nts if a petition for waiver submitted				
	employment of	ity complies with the Commission's reg unique or innovative technologies not ion of compliance via this form difficul	t contemplated b					

FEDERAL ENERGY REGULATORY COMMISSION WASHINGTON, DC

OMB Control # 1902-0075 Expiration 11/30/2022

FEI	RC Form 556		Page 7 - All Facilities						
	2a Name of contact person		2b Telephone number						
	Jessica Friedman/Whitney	Gallagher	202-998-2770						
	2c Which of the following describes the contact person's relationship to the applicant? (check one)								
C			applicant authorized to represent the applicant						
tio			orized to represent the applicant on this matter						
na	Lawyer, consultant, or other rep	presentative authorized to	represent the applicant on this matter						
orr	2d Company or organization name (if applicant is an individua	II, check here and skip to line 2e) 🗌	i					
nfc	Rock Creek Energy Group, L	LP							
Contact Information	2e Street address (if same as Applica	nt, check here and skip to	line 3a)						
tac	1 Thomas Circle NW, Suit	e 700		i					
on									
Ŭ	2f City		2g State/province						
	Washington		DC						
	2h Postal code	2i Country (if not United							
	20005	21 Country (ii not onited	States						
C	3a Facility name	+ Vlemeth Helle							
Ei.	Solops CS - Round Lake a	t Klamath Falls							
cat	3b Street address (if a street address	does not exist for the faci	lity, check here and skip to line 3c)	i					
Ľ	13770 Hwy 66, Klamath Fa	lls, OR 97621							
tification and Location	places). Use the following formula to	convert to decimal degre	e coordinates of the facility in degrees (to three decimal es from degrees, minutes and seconds: decimal degrees = c Coordinates" section on page 5 for help.						
Facility Identificati	Latitude <u>42.131</u> degre	ees North (+)	Longitude121.903_degrees West (-)						
/ 10	3d City (if unincorporated, check her	re and enter nearest city) [3e State/province						
lity	Klamath Falls		Oregon						
aci	3f County (or check here for indeper	ndent city) 30	Country (if not United States)	-					
LL_	Klamath								
	Identify the electric utilities that are co	ontemplated to transact v	/ith the facility.						
S		· · · · · · · · · · · · · · · · · · ·							
tie	4a Identify utility interconnecting wi PacifiCorp	ith the facility							
tili									
\Box	4b Identify utilities providing wheeli	ng service or check here if	none 🛛						
lŋg									
lcti	4c Identify utilities purchasing the us	seful electric power outpu	t or check here if none 🗌 🗧	i					
ISa	PacifiCorp								
Transacting Utilities	4d Identify utilities providing supple service or check here if none ⊠	mentary power, backup p	ower, maintenance power, and/or interruptible power	1					

 5a Direct ownership as of effective date or operation date: Identify all direct owners or percent equity interest. For each identified owner, also (1) indicate whether that or defined in section 3(22) of the Federal Power Act (16 U.S.C. 796(22)), or a holding company Act of 2005 (42 U.S.C. 16451(8)), and utilities or holding companies, provide the percentage of equity interest in the facility direct owners hold at least 10 percent equity interest in the facility, then provide the two direct owners with the largest equity interest in the facility. 	wner is an electric utility, as ompany, as defined in section (2) for owners which are electric lity held by that owner. If no
Full legal names of direct owners	Electric utility or If Yes, holding % equit company interest
1) Round Lake Solar, LLC	Yes ⊠ No100
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
equity interest in the facility held by such owners. (Note that, because upstream ov another, total percent equity interest reported may exceed 100 percent.) Check here if no such upstream owners exist.	wners may be subsidiaries of on
Full legal names of electric utility or holding company upstream ow	vners interest
1) LM DG Warehouse Developer, LLC	100
2) Solar DG Warehouse Developer, LLC	
3) Luminace Development Holdings 3, LLC (directly and indire	
 3) Luminace Development Holdings 3, LLC (directly and indired) 4) Luminace Development Holdings 2, LLC 	ectly) 100
	ectly) 100
4) Luminace Development Holdings 2, LLC	ectly) 100 100 100
 4) Luminace Development Holdings 2, LLC 5) Luminace Development Holdings 1, LLC 	ectly) 100 100 100 100
 4) Luminace Development Holdings 2, LLC 5) Luminace Development Holdings 1, LLC 6) Luminace Holdings, LLC 	ectly) 100 100 100 100 100 100
 4) Luminace Development Holdings 2, LLC 5) Luminace Development Holdings 1, LLC 6) Luminace Holdings, LLC 7) Luminace Aggregator, LLC 8) 	ectly) 100 100 100 100 100 100
 4) Luminace Development Holdings 2, LLC 5) Luminace Development Holdings 1, LLC 6) Luminace Holdings, LLC 7) Luminace Aggregator, LLC 8) 	ectly) 100 100 100 100 100 100 100
<pre>4) Luminace Development Holdings 2, LLC 5) Luminace Development Holdings 1, LLC 6) Luminace Holdings, LLC 7) Luminace Aggregator, LLC 8) 9)</pre>	ectly) 10 10 10 10 10 10

FEF	C Form 556		Page 9 - All Facilities			
	6a Describe the primary energy input: (check one	e main category and, if applicable, c	one subcategory)			
	Biomass (specify)	Renewable resources (specify)	Geothermal			
	Landfill gas	Hydro power - river	Eossil fuel (specify)			
	Manure digester gas	Hydro power - tidal	Coal (not waste)			
	Municipal solid waste	Hydro power - wave	Fuel oil/diesel			
	Sewage digester gas	🛛 Solar - photovoltaic	Natural gas (not waste)			
	□ Wood	Solar - thermal	Other fossil fuel			
	Other biomass (describe on page 24		\Box (describe on page 24)			
	Waste (specify type below in line 6b)	Other renewable resource (describe on page 24)	Other (describe on page 24)			
	6b If you specified "waste" as the primary energy	input in line 6a, indicate the type o	f 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 avera ash content of 45 percent or more	age heat content of 6,000 Btu or less	s per pound and has an average			
	Bituminous coal refuse that has an average ash content of 25 percent	average heat content of 9,500 Btu or more	per pound or less and has an			
Top or bottom subbituminous coal produced on Federal lands or on Indian lands that ha						
ndul	f BLM's jurisdiction, provided that ined by BLM to be waste					
Energy Input	BLM or that is located on non- Fed	ands or on Indian lands that has bee eral or non-Indian lands outside of n extension of that determined by I	BLM's jurisdiction, provided that			
ш	Lignite produced in association wi as a result of such a mining operat	th the production of montan wax a ion	nd lignite that becomes exposed			
	Gaseous fuels (except natural gas a	and synthetic gas from coal) (descri	ibe on page 24)			
		vells (describe on page 24 how the s; include with your filing any mater				
	Materials that a government agen	cy has certified for disposal by coml	bustion (describe on page 24)			
	 Heat from exothermic reactions (d 	escribe on page 24) 🛛 🗌 F	Residual heat (describe on page 24)			
	Used rubber tires Plastic	c materials 🛛 🗌 Refinery off	f-gas 🛛 Petroleum coke			
Other waste energy input that has little or no commercial value and exists in the absence of the facility industry (describe in the Miscellaneous section starting on page 24; include a discussion lack of commercial value and existence in the absence of the qualifying facility industry)						
	6c Provide the average energy input, calculated of energy inputs, and provide the related percer 292.202(j)). For any oil or natural gas fuel, use	ntage of the total average annual er	nergy input to the facility (18 C.F.R. §			
	F		Percentage of total			
	Fuel Natural gas		annual energy input			
	Oil-based fuels	0 Btu/h	0 %			
	Coal	0 Btu/h	0 %			
		0 Btu/h	0 %			

	Tage TO AITTacIlities
Indicate the maximum gross and maximum net electric power production capacity of the facility at a delivery by completing the worksheet below. Respond to all items. If any of the parasitic loads and/ 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	978 kW
7b Parasitic station power used at the facility to run equipment which is necessary and integral to the power production process (boiler feed pumps, fans/blowers, office or maintenance buildings directly related to the operation of the power generating facility, etc.). If this facility includes non-power production processes (for instance, power consumed by a cogeneration facility's thermal host), do not include any power consumed by the non-power production activities in your reported parasitic station power.	0.5 kW
7c Electrical losses in interconnection transformers	19.6 kW
7d Electrical losses in AC/DC conversion equipment, if any	0 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	12.2 kW
7f Total deductions from gross power production capacity = $7b + 7c + 7d + 7e$	32.3 k W
7g Maximum net power production capacity = 7a - 7f	
	945.7 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 24.

The PV system is a 1-axis Tracking installation that consists of 3250 Q Cells Q. PEAK DUO XL-G10.3/BFG modules of 480W each connected to Four (04) CPS SCH125KTL-DO/US-600 (derated at 121 kWac), Two (02) CPS SCH125KTL-DO/US-600 (derated at 122 kWac) and Two (02) CPS SCH125KTL-DO/US-600 (125 kWac). The system is at +60/-60 degree tilt and 180 azimuth from true north interconnected at 12kV behind the meter. The above equipment is normally operating during all daylight hours. During non-daylight hours, the Photovoltaic modules will not be producing power and the above equipment will be in standby mode.

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 pages 11 through 15.

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 8f below (as applicable).

Electric Generating Equipment

Electrical generating equipment will refer to all boilers, heat recovery steam generators, prime movers (any mechanical equipment driving an electric generator), electrical generators, photovoltaic solar panels, inverters, fuel cell equipment and/or other primary power generation equipment used in the facility, excluding equipment for gathering energy to be used in the facility. Each wind turbine on a wind farm and each solar panel in a solar facility is considered electrical generating equipment because each wind turbine and each solar panel is independently capable of producing electric energy.

Distance

The distance between two facilities is to be measured from the edge of the closest electrical generating equipment for which qualification or recertification is sought to the edge of the nearest electrical generating equipment of the other affiliated small power production qualifying facility using the same energy resource. An affiliated small power production QF located one mile or less from the instant facility is irrebuttably presumed to be at the same site. An affiliated small power production QF located more than one mile and less than 10 miles from the instant facility is rebuttably presumed to be at a separate site. An affiliated small power production QF located 10 miles or more from the instant facility is irrebuttably presumed to be located at a separate site.

8a Identify affiliated small power production QFs located less than 10 miles from the electrical generating equipment of the instant facility that use the same energy resource and are held (with at least a 5 percent equity interest) by any of the entities identified in lines 5a or 5b or their affiliates. Specify the latitude and longitude coordinates for both the applicant and the affiliate small power production QF based on the nearest electrical generating equipment for each facility. Report coordinates in degrees (to three decimal places) as a positive number for east and north or a negative number for west and south. 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 5 for help obtaining coordinates. The distances for each facility listed below will be automatically calculated from the reported coordinates. See <u>www.ferc.gov/QF</u> for more information on how this form calculates distance.

Check	here	if no	such	facilities	exist.	\boxtimes
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	Facility location (city or county, state)	Root docke (if any) QF -	t # Maximum net power production capacity kW	Common owner(s)
1)	Coordinates (in degrees) and Dista	ance (miles):		
	Latitude Choose +			
	Closest electrical generating equi	pment for affiliate	e's facility:	Distance
	Latitude Choose +	/- Longitude	Choose +/-	0 miles

Certification of Compliance with Size Limitations

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FERC Form 556

Certification of Compliance with Size Limitations (continued)

		location unty, state)	Root docket # (if any) QF -		n net power on capacity	Comm	on owner(s)
			QF		kW		
	Coordinates (in d	legrees) and Distan	ce (miles):				
2)	Closest electrical	generating equipm	nent for applicant's	s facility:			
	Latitude	Choose +/-	Longitude		Choose +/-		
	Closest electrical	generating equipm	nent for affiliate's fa	acility:		Di	stance
	Latitude	Choose +/-	Longitude		Choose +/-	0	r
		location	Root docket #		n net power		
	(city or co	unty, state)	(if any) QF -	producti	on capacity kW	Comm	on owner(s)
			Qi		NVV		
	Coordinates (in d	legrees) and Distan	ce (miles):				
3)	Closest electrical	generating equipm	nent for applicant's	s facility:			
	Latitude	Choose +/-	Longitude		Choose +/-		
	Closest electrical	generating equipn	nent for affiliate's fa	acility:		Di	stance
	Latitude	Choose +/-	Longitude	,	Choose +/-	0	m
		location unty, state)	Root docket # (if any) QF		n net power on capacity kW	Comm	on owner(s)
	Coordinates (in d	legrees) and Distan	ce (miles):				
4)	Closest electrical	generating equipm	nent for applicant's	s facility:			
	Latitude	Choose +/-	Longitude	·	Choose +/-		
	Closest electrical	generating equipn	nent for affiliate's fa	acility:		Di	stance
	Latitude	Choose +/-	Longitude		Choose +/-	0	m
		location	Root docket #		n net power	C	
		unty, state)	(if any) QF -	producti	on capacity kW	Comm	on owner(s)
	Coordinates (in c	legrees) and Distan					
5)	Closest electrical	generating equipm	nent for applicant's	s facility:			
	Latitude	Choose +/-	Longitude		Choose +/-		
	Closest electrical	generating equipn	nent for affiliate's fa	acility:		Di	stance

FERC Form 556

Certification of Compliance with Size Limitations (continued)

		location unty, state)	Root docket # (if any)	Maximum net pow production capaci		vner(s)
			QF	ŀ	<w< th=""><th></th></w<>	
	Coordinates (in c	legrees) and Distan	nce (miles):			
6)	Closest electrical	generating equipr	ment for applicant's	facility:		
	Latitude	Choose +/-	Longitude	Choose +	/-	
	Closest electrical	generating equipr	ment for affiliate's fa	acility:	Distanc	e
	Latitude	Choose +/-	Longitude	Choose +	/- ₀	m
		location	Root docket #	•		
	(city or co	unty, state)	(if any)		<u> </u>	vner(s)
			QF	ŀ	<w< td=""><td></td></w<>	
	Coordinates (in c	legrees) and Distan	nce (miles):			
7)	Closest electrical	generating equipr	ment for applicant's	facility:		
	Latitude	Choose +/-	Longitude	Choose +	/-	
	Closest electrical		ment for affiliate's fa		Distanc	e
	Latitude	Choose +/-	Longitude	Choose +,	/0	m
	Facility	location	Root docket #	Maximum net pow	/er	
		unty, state)	(if any)			vner(s)
			QF	ŀ	<w< td=""><td></td></w<>	
	Coordinates (in c	legrees) and Distan	nce (miles):			
8)	Closest electrical	generating equipr	nent for applicant's	facility:		
	Latitude	Choose +/-		Choose +	/-	
	Closest electrical	generating equipr	ment for affiliate's fa	acility:	Distanc	e
	Latitude	Choose +/-	Longitude	Choose +,	/- 0	m
		location	Root docket #	Maximum net pow		
	(city or co	unty, state)	(if any) QF -	production capaci	ty Common ov	vner(s)
	Coordinatos (in s	legrees) and Distan		r		
9)		-		fo cilita u		
2)			ment for applicant's	-	/	
	Latitude	Choose +/-	Longitude	Choose +,	/-	
	Closest electrical	generating equipr	ment for affiliate's fa	acility:	Distanc	e

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it electrical generation of the second secon	choose +/- Choose +/- nue in the Mise pelow to calcu ify the latitude d on the neare places) as a po	Longitude Cellaneous section s late distances based e and longitude cod	choose - Choose - starting on page 24 d on facility coordin ordinates for both th	+/- 0 if additional ates.	mile
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lculator below b alculator Spec duction QF base three decimal p	below to calcu ify the latitude d on the neare places) as a po	late distances based e and longitude coc est electrical genera	d on facility coordin	ates.	space is needed. Use
minutes/60) + (s. The distances s. See <u>www.fer</u> electrical gener	seconds/3600 s for each facili c.gov/QF for r	lecimal degrees fro). See the "Geograp ty listed below will nore information o	ast and north or a n m degrees, minutes whic Coordinates" se be automatically ca n how this form cale acility (degrees):	each facility egative num s and second ection on pag lculated fror culates distan	
electrical gener	ating equipme	ent for affiliate's fac	ility (degrees):		Distance
ıde	Choose +/-	Longitude	Choose -	+/- 0	mile
	s. See <u>www.fer</u> electrical gener ude electrical gener ude ve the option b duction QFs usir il space is neede o 18 C.F.R. § 292.	s. See <u>www.ferc.gov/QF</u> for r electrical generating equipme ude Choose +/- electrical generating equipme ude Choose +/- ve the option below to assert duction QFs using the same er al space is needed, continue in p 18 C.F.R. § 292.204(a)(2)(i)(C),	s. See <u>www.ferc.gov/QF</u> for more information o electrical generating equipment for applicant's fa ude Choose +/- Longitude electrical generating equipment for affiliate's fac ude Choose +/- Longitude ve the option below to assert preemptively that y duction QFs using the same energy resource mor il space is needed, continue in the Miscellaneous o 18 C.F.R. § 292.204(a)(2)(i)(C), if affiliated small p	s. See <u>www.ferc.gov/QF</u> for more information on how this form calc electrical generating equipment for applicant's facility (degrees): ude Choose +/- Longitude Choose - electrical generating equipment for affiliate's facility (degrees): ude Choose +/- Longitude Choose - ve the option below to assert preemptively that your facility is at a se duction QFs using the same energy resource more than one mile but il space is needed, continue in the Miscellaneous section starting on p 18 C.F.R. § 292.204(a)(2)(i)(C), if affiliated small power producer qual	electrical generating equipment for affiliate's facility (degrees):

Certification of Compliance with Size Limitations (continued)

Certification of Compliance

	8b Continued
	(continued from previous page) in the same location, placed into service within 12 months of an affiliated small power production QF project's commercial operation date as specified in the power sales agreement, or sharing engineering or procurement contracts.
	8c 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 8d below) No (skip lines 8d through 8f)
	8d Was the original notice of self-certification or application for Commission certification of the facility filed on or before December 31, 1994? Yes No
	8e Did construction of the facility commence on or before December 31, 1999? Yes No
	8f If you answered No in line 8e, 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 24 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.
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.
Rec	9a Certification of compliance with 18 C.F.R. § 292.204(b) with respect to uses of fossil fuel:
Use	Applicant certifies that the facility will use fossil fuels <i>exclusively</i> for the purposes listed above.
ne	9b Certification of compliance with 18 C.F.R. § 292.204(b) with respect to amount of fossil fuel used annually:
with F	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 16 through 18. Otherwise, skip pages 16 through 18.

	energy (such as heat or s use of energy. Pursuant cycle cogeneration facilit thermal application or pu	92.202(c), a cogeneration facility produces electric energy and forms of useful thermal team) used for industrial, commercial, heating, or cooling purposes, through the sequential to 18 C.F.R. § 292.202(s), "sequential use" of energy means the following: (1) for a topping-ty, the use of reject heat from a power production process in sufficient amounts in a rocess to conform to the requirements of the operating standard contained in 18 C.F.R. § ottoming-cycle cogeneration facility, the use of at least some reject heat from a thermal rower production.
		eneration technology does the facility represent? (check all that apply)
	Topping-cycle	
General Cogeneration Information	other requirements balance diagram de meet certain requir	te the sequential operation of the cogeneration process, and to support compliance with s such as the operating and efficiency standards, include with your filing a mass and heat epicting average annual operating conditions. This diagram must include certain items and ements, as described below. You must check next to the description of each requirement t you have complied with these requirements.
	Check to certify compliance with	
	indicated requirement	Requirement
		Diagram must show orientation within system piping and/or ducts of all prime movers, heat recovery steam generators, boilers, electric generators, and condensers (as applicable), as well as any other primary equipment relevant to the cogeneration process.
		Any average annual values required to be reported in lines 10b, 12a, 13a, 13b, 13d, 13f, 14a, 15b, 15d and/or 15f must be computed over the anticipated hours of operation.
		Diagram must specify all fuel inputs by fuel type and average annual rate in Btu/h. Fuel for supplementary firing should be specified separately and clearly labeled. 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.
Ŭ		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 24, 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.

	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.	
	11a Was your facility operating as a qualifying cogeneration facility on or before August 8, 2005? Yes No	ł
	11b Was the initial filing seeking certification of your facility (whether a notice of self-certification or an application for Commission certification) filed on or before February 1, 2006? Yes No	
s e	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.	
ntal Us acilitie:	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?	
n Fi	Yes (continue at line 11d below)	
Fundai ieratio	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 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.	
s for l ogen	11d Does the applicant contend that the changes identified in line 11c are not so significant as to make the facility a "new" cogeneration facility that would be subject to the 18 C.F.R. § 292.205(d) cogeneration requirements?	
ement: from C	Yes. Provide in the Miscellaneous section starting on page 24 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.	
2005 Requirements for Fundamental Use ergy Output from Cogeneration Facilities	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.	
05 l y O	11e Will electric energy from the facility be sold pursuant to section 210 of PURPA?	ł
· (1)	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.	
EPAct of Ene	No. Applicant certifies that energy will <i>not</i> 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) <i>before</i> selling energy pursuant to section 210 of PURPA in the future. Skip lines 11f through 11j.	
	11f Is the net power production capacity of your cogeneration facility, as indicated in line 7g above, less than or equal to 5,000 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)	0 %

11j 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 24 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.

of Energy Output from Cogeneration Facilities (continued) EPAct 2005 Requirements for Fundamental Use

Usefulness of Topping-Cycle Thermal Output

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 19 and 20. Otherwise, skip pages 19 and 20.

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.

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*.

	Name of entity (thermal host) taking thermal output	Thermal host's relationship to facility; Thermal host's use of thermal output	thermal output attributable to use (net of heat contained in process return or make-up water)
1)		Select thermal host's relationship to facility	
1)		Select thermal host's use of thermal output	Btu/h
2)		Select thermal host's relationship to facility	
2)		Select thermal host's use of thermal output	Btu/h
3)		Select thermal host's relationship to facility	
5)		Select thermal host's use of thermal output	Btu/h
4)		Select thermal host's relationship to facility	
		Select thermal host's use of thermal output	Btu/h
5)		Select thermal host's relationship to facility	
5)		Select thermal host's use of thermal output	Btu/h
6)		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 24 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 24.



Topping-Cycle Operating and Efficiency Value Calculation 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.

	Btu/h
	kW
	D. (1
0	Btu/h
	hp
0	Btu/h
	Btu/h
0	%
0	%
er than or equal to 5	%?
operating standard)	
0?	
pplicable, below.	
	s less
efficiency standard)	
efficiency standard)	
	0

2

1)

2)

3)

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 21 and 22. Otherwise, skip pages 21 and 22.

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.

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*.

Name of entity (thermal host)	
performing the process from	
which at least some of the	
reject heat is used for power	Thermal ho
production	Therm

ermal host's relationship to facility; Thermal host's process type

Select thermal host's relationship to facility

Select thermal host's relationship to facility

Select thermal host's relationship to facility

Select thermal host's process type

Select thermal host's process type

Has the energy input to the thermal host been augmented for purposes of increasing power production capacity? (if Yes, describe on p. 24)

No

No

No

Yes

Yes

Yes

Select thermal host's process type
Check here and continue in the Miscellaneous section starting on page 24 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 24.

Bottoming-Cycle Operating and

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).

15a Did installation of the facility in its current form commence on or after March 13, 1980?	
Yes. Your facility is subject to the efficiency requirement of 18 C.F.R. § 292.205(b). Dem with the efficiency requirement by responding to lines 15b through 15h below.	onstrate compliance
No. Your facility is exempt from the efficiency standard. Skip the rest of page 22.	
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/ł
15d 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	0 000
(this value is usually zero)	hp
15e Multiply line 15d by 2,544 to convert from hp to Btu/h	0 Btu/h
156 Indicate the appual average rate of supplementary operation input from patienal rate	U DLU/I
15f Indicate the annual average rate of supplementary energy input from natural gas or oil	Btu/h
15g Bottoming-cycle efficiency value = 100 * (15c + 15e) / 15f	
	0 %
	in line 15g is greater

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 24, 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 24.

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 4 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
Whitney Gallagher	1 Thomas Circle NW, Suite 700 Washington, DC 20005	
Rock Creek Energy Group		4/18/2024

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.

Section 11 (continued):

Applicant is filing this recertification to report an updated operation date for the facility certified herein (Facility), which has not yet been energized. It is currently anticipated that the Facility will be energized and begin operation on or about June 28, 2024. Applicant has also reviewed and refreshed Section 5b, and updated Section 7 to reflect the maximum net AC output of the Facility that can be safely and reliably achieved under the most favorable operating conditions likely to occur over a period of several years. See Occidental Geothermal, Inc., 17 FERC \P 61,231 (1981); see also Broadview Solar, LLC, 174 FERC \P 61,199, at P 36 (2021).

Section 4 (continued):

The Facility participates in a community solar program regulated by the Oregon Public Utility Commission.

Section 5b (continued):

From time to time, the entities identified in Section 5b may hold their interests through one or more subsidiaries, all of which are affiliates of Luminace Aggregator, LLC (Luminace Aggregator).

As shown in Section 5b, Applicant is an indirect subsidiary of Luminace Aggregator. Luminace Aggregator is owned by (i) subsidiaries of Brookfield Renewable Energy L.P. (BRELP) and (ii) investment vehicles of Brookfield Infrastructure Fund IV (BIF IV) that are managed and controlled by affiliates of Brookfield Corporation (Brookfield Corp.) (f/k/a Brookfield Asset Management Inc.). Upstream ownership of BRELP and BIF IV is described below. In certain instances, the entities identified below hold their interests through one or more subsidiaries, all of which are affiliates of Brookfield Corp. and Brookfield Asset Management Ltd. (BAM Ltd., and together with Brookfield Corp., Brookfield). Accordingly, Brookfield ultimately controls Luminace Aggregator.

BRELP. Through wholly-owned subsidiaries, Brookfield Asset Management ULC (BAM ULC) owns the general partnership interest in BRELP. BAM ULC is the principal holding entity for Brookfield's asset management business and is owned by Brookfield Corp. (75% directly and indirectly) and BAM Ltd. (25%). The limited partnership interest in BRELP is owned by Brookfield Renewable Partners L.P. (BEP). BEP is a Bermuda limited partnership that is publicly traded on the Toronto Stock Exchange and New York Stock Exchange, under the symbols BEP.UN and BEP, respectively. Brookfield Renewable Power Inc. (BRPI), a whollyowned indirect subsidiary of Brookfield Corp., indirectly owns the 0.01% general partnership interest in BEP and has sole responsibility and authority for the management and control of BEP. The limited partnership units in BEP are passive non-voting securities. BRELP also has redeemable exchangeable partnership units, owned by indirect subsidiaries of Brookfield Corp., that are exchangeable for passive BEP limited partnership units.

BIF IV is a \$20 billion infrastructure fund that is ultimately managed and controlled by Brookfield Corp. The third-party investors that hold limited partnership interests in BIF IV are passive investors.