

September 30, 2022

Via Electronic Filing

Chief Clerk NC Utilities Commission

> RE: Docket No. SP-5339, Sub 0 Updated FERC Form 556 Bullock Solar, LLC

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, <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.

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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 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 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 for Commission certification of a small power production for Commission certification of a 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 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.

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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 <u>www.ferc.gov/QF</u>. You may also be able to obtain your geographic coordinates from a GPS device, Google Earth (available free at <u>http://earth.google.com</u>), 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.

	FEDERAL ENERGY REGU WASHING		AMISSION	OMB Control # 1902-007 Expiration 11/30/2022
Form 5	556 Certification of Qua Production or Coge		QF) Status for a y	a Small Power
	icant (legal entity on whose behalf q			
1b Applicant street a 3402 Pico Bou				
1c City Santa Monica		1d State/p	rovince	
1e Postal code 90405	1f Country (if not United States		1g Telephon (310) 5	ne number 81–6299
1h Has the instant fa	cility ever previously been certified a	as a QF? Yes 🔀	No 🗌	
1i If yes, provide the	docket number of the last known QF	filing pertaining f	to this facility:	QF <u>15</u> - <u>777</u> - <u>004</u>
1j Under which certi	fication process is the applicant mak	ing this filing?		
Notice of self-ce (see note below	rtification /)	Application fo fee; see "Filing	r Commission cer Fee" section on p	tification (requires filing bage 2)
QF status. A noti notice of self-cer	elf-certification is a notice by the applice of self-certification does not estab tification to verify compliance. See t 4 for more information.	olish a proceeding	, and the Commis	sion does not review a
1k What type(s) of Q	F status is the applicant seeking for i	ts facility? (check a	all that apply)	
igee Qualifying sma	ll power production facility status	Qualifying cog	generation facility	status
	se and expected effective date(s) of t	5		
	ation; facility expected to be installe	-	and to begin op	peration on
	previously certified facility to be effe) of change(s) below, and describe cl			on starting on page 24)
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_	ffecting plant equipment, fuel use, p	ower production o	apacity and/or co	ogeneration thermal outpu
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	upplement or correction in the Misce		 tarting on page 24	4)
1m If any of the follo	wing three statements is true, check	the box(es) that d	lescribe vour situa	ation and complete the for
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	cility would comply with the Commis with this application is granted	ssion's QF requirer	ments if a petition	for waiver submitted
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FEI	RC Form 556			Page 7 - All Facilities	; 🚬
	2a Name of contact person			2b Telephone number	сору Сору
	Vladimir Shifrin			(310) 581-6299	
Contact Information	 2c Which of the following describes t Applicant (self) Emploi Employee of a company affiliate Lawyer, consultant, or other rep 2d Company or organization name (Cypress Creek Renewables, 2e Street address (if same as Applica 2f City 	oyee, owner or partner of ap ed with the applicant author presentative authorized to if applicant is an individual LLC nt, check here and skip to l	oplicant authoriz prized to represe represent the ap , check here and ine 3a)	plicant? (check one) zed to represent the applicant ent the applicant on this matter plicant on this matter skip to line 2e)	Sep 30 2022 C OFFICIAL C
	2h Postal code	2i Country (if not United S	itates)		
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	Identify the electric utilities that are co	ontemplated to transact wi	ith the facility.		1
Utilities	 4a Identify utility interconnecting wi Duke Energy Progress 4b Identify utilities providing wheeli 		none 🕅		
Transacting	4c Identify utilities purchasing the us Duke Energy Progress	seful electric power output	or check here if	none 🗌	1
Trai	4d Identify utilities providing supple service or check here if none Duke Energy Progress	mentary power, backup po	ower, maintenan	ce power, and/or interruptible power	i

Full legal names of direct owners	Electric utility or If holding % e company int
1) Bullock Solar, LLC	Yes 🔀 No 🕅
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9)	Yes 🗌 No 📃
10)	Yes No
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FEF	RC Form	n 556						Page	9 - All Facilities
	6a De	scribe t	he primary energy input: (cl	heck one ma	ain category	and, if applicable	, one subcate	gory)	
		Biomas	ss (specify)	K R	enewable re	sources (specify)	🗌 Geotł	nermal	
			andfill gas		🗌 Hydro p	ower - river	Fossil	fuel (spec	ify)
			Manure digester gas		🗌 Hydro p	ower - tidal		Coal (not	waste)
			Aunicipal solid waste		🗌 Hydro p	ower - wave		Fuel oil/di	esel
			Sewage digester gas		🖂 Solar - p	hotovoltaic		Natural ga	as (not waste)
		□ V	Vood		🗌 Solar - t	hermal		Other fos	
			Other biomass (describe on	page 24)	□ Wind			(describe	on page 24)
] Waste	(specify type below in line 6	ōb)		enewable resourc pe on page 24)	e 🗌 Other	(describe	on page 24)
	6b If y	/ou spec	ified "waste" as the primary	/ energy inp	ut in line 6a,	indicate the type	of waste fuel	used: (che	ck one)
	[Wast	e fuel listed in 18 C.F.R. § 29	2.202(b) (sp	ecify one of	the following)			
			Anthracite culm produced	prior to July	y 23, 1985				
			Anthracite refuse that has ash content of 45 percent		heat conten	t of 6,000 Btu or le	ess per pound	and has a	n average
			Bituminous coal refuse that average ash content of 25			ontent of 9,500 Bt	u per pound o	or less and	has an
nput			Top or bottom subbitumin determined to be waste by (BLM) or that is located on the applicant shows that t	y the United non-Federa	States Depa Il or non-Ind	artment of the Inte ian lands outside	erior's Bureau of BLM's jurise	of Land M diction, pro	anagement ovided that
Energy Input			Coal refuse produced on F BLM or that is located on r applicant shows that the la	non- Federal	or non-India	an lands outside o	of BLM's jurisd	iction, pro	
			Lignite produced in associ as a result of such a mining		he productio	on of montan wax	and lignite th	at become	es exposed
			Gaseous fuels (except natu	ural gas and	synthetic ga	s from coal) (deso	ribe on page	24)	
			Waste natural gas from ga C.F.R. § 2.400 for waste na compliance with 18 C.F.R.	tural gas; ind			-	•	
			Materials that a governme	nt agency h	as certified f	or disposal by cor	mbustion (de	scribe on p	age 24)
			Heat from exothermic read	ctions (desci	ribe on page	24)	Residual hea	t (describe	e on page 24)
			Used rubber tires] Plastic ma	aterials	🗌 Refinery o	off-gas	🗌 Petro	oleum coke
	[facilit	r waste energy input that h cy industry (describe in the of commercial value and ex	Miscellaneo	us section st	arting on page 24	l; include a dis	cussion of	
	en	ergy inp	e average energy input, calo outs, and provide the relate). For any oil or natural gas	d percentag	e of the tota	l average annual	energy input		
			Fuel		nual average out for specif		Percentage annual ener		
			Natural gas			0 Btu/h		0 %	
			Oil-based fuels			0 Btu/h		0 %	
			Coal			0 Btu/h		0 %	

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52,083.3 kW

260.4 kW

520.8 kW

50,000.0 kW

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Indicate the maximum gross and maximum net electric power production capacity of the facility at the delivery by completing the worksheet below. Respond to all items. If any of the parasitic loads and/c lines 7b through 7e are negligible, enter zero for those lines.	
7a The maximum gross power production capacity at the terminals of the individual generator(s)	

under the most favorable anticipated design conditions**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.**7c** Electrical losses in interconnection transformers

7d Electrical losses in AC/DC conversion equipment, if any	
	1,041.7 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	260.4 kW
7f Total deductions from gross power production capacity = $7b + 7c + 7d + 7e$	
	2,083.3 kW
7g Maximum net power production capacity = 7a - 7f	

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 facility is a 50 MW AC photovoltaic (PV) facility comprised of the following:

- 315W/320W/325W modules

- (20) 2473kW inverters

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

Certification of Compliance with Size Limitations

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.	

	Facility location (city or county, state)	Root docket # (if any)	Maximum net power production capacity	Common owner(s)
	Warren, NC	QF <u>14</u> - 630	3,200 kW	See MISC Section
1)	Coordinates (in degrees) and Dista Closest electrical generating equip Latitude <u>36.470</u> North (+)		-	
	Closest electrical generating equip Latitude <u>36.418</u> North (+)	ment for affiliate's fa		Distance 4.38 miles

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	Facility location (city or county, state)	Root docket # (if any)	Maximum net power production capacity	Common owr	ner(s)
	Vance, NC	QF 14 - 510	5,000 kW	See MISC Sec	tion
	Coordinates (in degrees) and D	istance (miles):			
2)	Closest electrical generating eq	uipment for applicant's	facility:		
	Latitude <u>36.468</u> North (+) Longitude 78.	322 West (-)		
	Closest electrical generating eq	uipment for affiliate's fa	acility:	Distance	1
	Latitude <u>36.396</u> North (+) Longitude 78.	329 West (-)	4.99	miles
	Facility location (city or county, state)	Root docket # (if any)	Maximum net power production capacity	Common owr	ner(s)
	Vance, NC	QF 14 - 684	5,000 kW	See MISC Sec	tion
	Coordinates (in degrees) and D	istance (miles):			
3)	Closest electrical generating eq		facility:		
	Latitude 36.468 North (-]	
	Closest electrical generating eq		-	Distance	
	Latitude <u>36.356</u> North (+) Longitude 78.	381 West (-)	8.34	miles
	Facility location (city or county, state)	Root docket # (if any)	Maximum net power production capacity	Common owr	ner(s)
	Vance, NC	QF 14 - 628	4,999 kW	See MISC Sec	tion
	Coordinates (in degrees) and D	istance (miles):			
4)	Closest electrical generating eq	uipment for applicant's	facility:		
	Latitude 36.468 North (+) Longitude 78.	325 West (-)		
	Closest electrical generating eq	uipmont for affiliato's fo			
				Distance	
	Latitude <u>36.415</u> North (+) Longitude <u>78.</u>	402 West (-)	8.45	miles
	Facility location	Root docket #	Maximum net power	_	
	(city or county, state)	(if any) QF14 - 758	production capacity		
	Warren, NC		3,000 kW	<u>See MISC Sec</u>	LION
	Coordinates (in degrees) and D	istance (miles):			
5)	Closest electrical generating eq		-		
	Latitude <u>36.470</u> North (+) Longitude 78.	309 West (-)]	
	Closest electrical generating eq	uipment for affiliate's fa	acility:	Distance	ļ

Certification of Compliance with Size Limitations (continued)

Certification of Compliance with Size Limitations (continued)

8a (Continued						
	Facility loc (city or count		Root docket # (if any)		um net power tion capacity	Common ow	ner(s)
	Vance, NC		QF <u>14</u> - <u>631</u>		4,999 kW	See MISC Sec	tion
	Coordinates (in deg	rees) and Distan	ce (miles):				
6)	Closest electrical ge	nerating equipn	nent for applicant's	facility:			
	Latitude <u>36.468</u>	North (+)	Longitude 78.	325	West (-)		
	Closest electrical ge	nerating equipn	nent for affiliate's fa	acility:		Distance	5
	Latitude <u>36.327</u>	North (+)	Longitude 78.	343	West (-)	9.79	miles
	Facility loc (city or count		Root docket # (if any)		um net power tion capacity	Common ow	ner(s)
			QF		kW		
	Coordinates (in deg	rees) and Distan	ce (miles):				
7)	Closest electrical ge	nerating equipn	nent for applicant's	facility:			
	Latitude	Choose +/-	Longitude		Choose +/-		
	Closest electrical ge	nerating equipn	nent for affiliate's fa	cility:		Distance	2
	Latitude	Choose +/-	Longitude		Choose +/-	0	miles
	Facility loc (city or count Coordinates (in deg	rees) and Distan		produc	um net power tion capacitykW	Common ow	ner(s)
8)	Closest electrical ge			facility:			
	Latitude	Choose +/-	Longitude		Choose +/-		
	Closest electrical ge	nerating equipn	nent for affiliate's fa	cility:		Distance	2
	Latitude	Choose +/-	Longitude		Choose +/-	0	miles
	Facility loc (city or count		Root docket # (if any)	produc	um net power tion capacity	Common ow	ner(s)
			QF		kW		
	Coordinates (in deg						
9)	Closest electrical ge						
	Latitude	Choose +/-	Longitude		Choose +/-		
	Closest electrical ge	nerating equipn	nent for affiliate's fa	cility:		Distance	2
	Latitude	Choose +/-	Longitude		Choose +/-	0	miles

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	Continued						
	Facility location (city or county, state		Root docket # (if any) QF -		n net power on capacity	Comr	non owner(s)
		(۲ <u> </u>		kW		
	Coordinates (in degrees) ar	nd Distance	e (miles):				
10)	Closest electrical generatin	g equipme	nt for applicant's	facility:			
	Latitude Ch	oose +/-	Longitude	0	Choose +/-		
	Closest electrical generatin	g equipme	nt for affiliate's fa	acility:		ſ	Distance
	Latitude Ch	oose +/-	Longitude		Choose +/-	0	miles
pov deg	the calculator below below tance Calculator Specify the ver production QF based on rees (to three decimal places the following formula to con	e latitude ar the nearest s) as a posit	nd longitude coc electrical genera ive number for e	ordinates for ating equipr ast and nort	r both the app ment for each th or a negativ	facility. Rep /e number fo	ort coordinates in or west and south.
	rees + (minutes/60) + (secor rdinates. The distances for e rdinates. See <u>www.ferc.gov</u>	ach facility	listed below will	be automat	tically calculat	ed from the	
cod	initiates. See <u>www.ierc.gov</u>					s distance.	
	Closest electrical generating					sustance.	
	Closest electrical generating			acility (degr		sustance.	
	Closest electrical generating	equipment oose +/-	t for applicant's f	acility (degr	ees): Choose +/-		Distance
	Closest electrical generating Latitude Ch Closest electrical generating	equipment oose +/- equipment	t for applicant's f	acility (degro [ility (degree	ees): Choose +/-		Distancemiles

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	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.								
	The affiliated QFs identified in this Section 8 (the "Affiliate QFs") are not located at the same site as the applicant's facility.								
	The Affiliate QFs and this facility are located on separate real estate parcels and leased under separate lease agreements. They have entered into separate interconnection agreements and separate offtake agreements. The facilities have also undergone completely separate permitting processes.								
	In light of the foregoing facts, the Affiliate QFs are not at the same site as this facility.								
	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)								
	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.								
Re	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.								
lel									
	9b Certification of compliance with 18 C.F.R. § 292.204(b) with respect to amount of fossil fuel used annually:								

Certification of Compliance

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 facili thermal application or p	92.202(c), a cogeneration facility produces electric energy and forms of useful thermal steam) 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 or power production.						
	10a What type(s) of cog	eneration technology does the facility represent? (check all that apply)						
	Topping-cycle	cogeneration Bottoming-cycle cogeneration						
	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 rements, as described below. You must check next to the description of each requirement at you have complied with these requirements.						
	Check to certify compliance with							
	indicated requirement	Requirement						
General Cogeneration Information		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.						
iene		Diagram must specify average gross electric output in kW or MW for each generator.						
9		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.						

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EPAct 2005 Requirements for Fundamental Use

	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
	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	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.
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?
ц Ц	Yes (continue at line 11d below)
of Energy Output from Cogeneration Facilities	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.
oger	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?
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.
utput	No. Applicant stipulates to the fact that it is a "new" cogeneration facility (for purposes of determining the applicability of the requirements of 18 C.F.R. § 292.205(d)) by virtue of modifications to the facility that were initiated on or after February 2, 2006. Continue below at line 11e.
О	11e Will electric energy from the facility be sold pursuant to section 210 of PURPA?
nerg	Yes. The facility is an EPAct 2005 cogeneration facility. You must demonstrate compliance with 18 C.F.R. § 292.205(d)(2) by continuing at line 11f below.
ofE	No. Applicant certifies that energy will <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.

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)

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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	MWł
11h Total amount of electrical, thermal, chemical and mechanical energy expected to be	
sold to an electric utility	MWł
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.

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	
''		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	
0)		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.

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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.

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Btu
kW
0 Btu
f
hp
0 Btu
Btu
0 %
0 %
reater than or equal to 5%?
reater than of equal to 5%!
with operating standard)
, 1980?
205(a)(2). Demonstrate
, as applicable, below.
as applicable, below
3I.
value shown in line 13g is less
er than or equal to 45%:
with efficiency standard)
value shown in line 13g is
n in line 13h is greater than o
with efficiency standard)

Information Required for Bottoming-Cycle Cogeneration Facility

If you indicated in line 10a that your facility represents bottoming-cycle cogeneration technology, then you must respond to the items on pages 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 gualifying bottomingcycle 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) performing the process from

the thermal host been

augmented for purposes

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	which at least some of the reject heat is used for power production	Thermal host's relationship to facility; Thermal host's process type	of increasing power production capacity? (if Yes, describe on p. 24)
1)		Select thermal host's relationship to facility	Yes No
1)		Select thermal host's process type	
2)		Select thermal host's relationship to facility	Yes No
∠)		Select thermal host's process type	
3)		Select thermal host's relationship to facility	Yes No
5)		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

ue Calculation

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 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 ir	nstalla	tion	of t	he fa	acilit	y in	its c	urrent	t forr	n co	mme	enc	e o	n o	r aft	ter l	Mar	ch '	13, 1	98(0?		
																						_		

Yes. Your facility is subject to the efficiency requirement of 18 C.F.R. § 292.205(b). Demonstrate compliance with the efficiency requirement by responding to lines 15b through 15h below.

No. Your facility is exempt from the efficiency standard. Skip the rest of page 22.

0 Bt
utput taken directly off
to power production
hp
· · · ·
0 Bt
y input from natural gas
Bt
f
0 %
ether the efficiency value shown in line 15g is grea

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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 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.

 \square 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		
	3402 Pico Boulevard			
Vladimir Shifrin	Santa Monica, CA 90405	8/15/2022		

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.

Please note that this recertification is being filed in connection with the consummation of the transaction authorized by the Commission in Docket No. EC21-108-000. Cypress Creek Holdings, LLC, 177 FERC \P 62,003 (2021).

Line 5b continued: 11) Catalyst AcquisitionCo, Inc. (100% of Cypress Creek Holdings, LLC) 12) EQT Infrastructure V Collect EUR SCSp (63% of #11)** 13) EQT Infrastructure V Collect USD SCSp (37% of #11)** 14) EQT Fund Management S.à r.l. (controls 100% of #12 and #13) 15) EQT AB (100% of #14) 16) Investor AB (17.5% of shares and 17.7% of voting control of #15)

17) Bark Partners AB (14.8% of shares and 14.9% of voting control of #15)

**Entries #12 and #13 are wholly owned by affiliated parallel partnership vehicles that make up the EQT V Fund. In each case, the parallel partnerships act solely by their manager EQT Fund Management S.à r.l. ("EFMS"; #14, above). Under the governing documents of the EQT V Fund, and consistent with applicable European Union regulations regarding investment fund management, all day-to-day control and management of the EQT V Fund and its portfolio companies is performed exclusively by the EQT V Fund's manager, EFMS. Investors in the EQT V Fund have no right to direct the investment-related activities of the EQT V Fund or the activities of any of its portfolio companies, and these limited partner investors have no role in the management or day-to-day operations of Cypress Creek Holdings, LLC and its subsidiaries. As a result, EFMS currently has full voting control over the EQT V Fund partnership vehicles and is identified as the relevant entity for Line 5b purposes. No individual investor in the EQT V Fund holds 10% or more of the equity in the QF that is re-certifying in this docket (the "Applicant").

Please note that, in addition to the entities identified in Line 5b, one or more tax equity investorx currently hold an indirect, passive, non-controlling equity interest in the Applicant and the facility. The tax equity interests give no control over the Applicant or the facility on a day-to-day basis, and provide only a passive, noncontrolling indirect interest in the Applicant and the facility, with only limited rights with respect to the actions of the Applicant and the facility. See, e.g., AES Creative Resources, 129 FERC \P 61,239 at PP 26-28 (2009), Ad Hoc Renewable Energy Financing Group, 161 FERC \P 61,010 at PP 16-17 (2017). Because such interests do not afford their owner control of the dispatch or the facility operations, the tax equity investors do not appear as upstream owners in Line 5b.

Section 7 continued:

Please note that the information set forth in Lines 7a through 7g has been updated solely in accordance with Broadview Solar, LLC, 174 FERC \P 61,199 (2021). There have been no changes to installed equipment or capability.

Miscellaneous (continued)

Line 8a continued: All affiliates identified in Line 8a share the following common owners with the Applicant:

- Cypress Creek Financial Holdings, LLC
- Cypress Creek Renewables Holdings, LLC
- Cypress Creek Holdings, LLC
- Catalyst AcquisitionCo, Inc.
- EQT Infrastructure V Collect EUR SCSp
- EQT Infrastructure V Collect USD SCSp
- EQT Fund Management S.à r.l.
- EQT AB
- Investor AB
- Bark Partners AB

The following Lines / Sections have been updated:

- Section 2 (Contact Person)
- Line 3c (Coordinates)
- Section 5 (Ownership and Operation)
- Section 7 (Technical Facility Information)
- Section 8 (Affiliated Facilities within 10 Miles)