

September 21, 2015

#### Via Electronic Submission

Gail L. Mount, Chief Clerk North Carolina Utilities Commission 4325 Mail Service Center Raleigh, NC 27699-4325

RE: Docket No. SP-6476 Sub 0

Albemarle Beach Solar, LLC – Application for a Certificate of Public Convenience and Necessity

Dear Ms. Mount:

Enclosed for filing with the North Carolina Utilities Commission is Albemarle Beach Solar, LLC's Application for a Certificate of Public Convenience and Necessity. All non-confidential Application Exhibits are being submitted via electronic filing.

An original and twelve (12) copies of Application Exhibits 5, 7(a), 7(b), 7(c), and 8(a) are marked "Confidential" and are being submitted separately under seal through overnight delivery because these documents contain proprietary and confidential information pursuant to N.C. General Statute § 132-1.2. The "Confidential" documents are being filed as hard copies because they are unable to be rendered text searchable per your system's requirements.

The filing fee of \$25.00 will be received online with this submission. If you have any questions, please feel free to contact me at 704-662-0375 x117 or kara.price@sunenergy.com.

Best regards,

ALBEMARLE BEACH SOLAR, LLC

By:

Kara W. Price

Legal Project Manager

Enclosures

## STATE OF NORTH CAROLINA **UTILITIES COMMISSION RALEIGH**

DOCKET NO. SP-6476, SUB 0

## BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of Application of Albemarle Beach Solar, LLC for a Certificate of Public Convenience and Necessity to Construct an 80-MW Solar Fa In Washington County, North Carolina	
on behalf of the Applicant, that I am fami Application for Certificate of Public N Generating Facility, and, to my persona	reby declare that I am duly authorized to act iliar with the facts, have read the foregoing ecessity and Convenience of an Electrical knowledge, the matters and statements North Carolina Utilities Commission Rules of my knowledge:
The 21st day of September, 2015.	
	Maria Childus Maria Childers Attorney In Fact
STATE OF NORTH CAROLINA ) COUNTY OF IREDELL )	SS. KARA W. PRICE NOTARY PUBLIC Cabarrus County, North Carolina
Sworn to and subscribed before me this 215 day of September, 2015.	My Commission Expires 11/16/2016

Notary Public: Kara W. Price
My Commission Expires: November 16, 2016

## STATE OF NORTH CAROLINA UTILITIES COMMISSION RALEIGH

DOCKET NO. SP-6476, SUB 0

#### BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

n the Matter of the Application of	)	APPLICATION FOR A
Albemarle Beach Solar, LLC For a	)	CERTIFICATE OF PUBLIC
Certificate of Public Convenience	)	CONVENIENCE AND NECESSITY
and Necessity	)	

Albemarle Beach Solar, LLC ("Albemarle Beach Solar" or the "Applicant") hereby applies to the North Carolina Utilities Commission (the "Commission") pursuant to G.S. § 62-110.1 and Commission Rule R8-64 for a Certificate of Public Convenience and Necessity authorizing construction of an 80.0-megawatt ("MW") solar facility (the "Facility") to be located in Washington County.

In support of its application, Albemarle Beach Solar provides the Commission the attached eight (8) exhibits in compliance with Rule R8-64.

The Applicant's full and correct name, business address, and business telephone number are:

Albemarle Beach Solar, LLC Attn: Kenny Habul 192 Raceway Drive Mooresville, NC 28117 Phone: (704) 662-0375

The electronic mailing address for purposes of this filing is legal@sunenergy1.com

ii. Albemarle Beach Solar, LLC is a North Carolina limited liability company that was formed May 29, 2015. Maria Childers is duly authorized to act as a corporate agent for the purposes of this application. Correspondence, documents, and filings regarding this application should be sent as follows. The Applicant consents to electronic service of filings related to this application.

SunEnergy1, LLC Attention: Legal Department 192 Raceway Drive Mooresville, NC 28117 (704) 662-0375, ext. 104 legal@sunenergy1.com

iii. Albemarle Beach Solar, LLC, or its affiliate Price Solar, LLC, has entered or will be entering into site control agreements with Albemarle Beach Farms, Inc., and Emelyne Wellons, the current owners of the site.

- i. See maps attached as Attachment 1 to Exhibit 2 showing A) an aerial view of the site with landowners identified; B) location of major equipment (solar panels), and C) a general location site map. The final site layout will depend on design considerations, consultation with Dominion North Carolina Power (DNCP), and required permits.
- ii. An e911 street address has not been assigned to the Facility at this time. The applicant will notify the Commission of the e911 street address when it is received. The facility will be located on both sides of Mackeys Road and Albemarle Beach Road in Roper, Washington County, North Carolina. The GPS coordinates of the approximate center of the facility site are: 35.907338, -76.641324.

## Albemarle Beach Solar, LLC CPCN Attachment 1 to Exhibit 2: MAPS

A. Map of Albemarle Beach Solar, LLC with property owners identified.



Parcels outlined in **BLUE** are currently owned by Albemarle Beach Farms, Inc.

Parcels outlined in **ORANGE** are currently owned by Emelyne Wellons.

## Albemarle Beach Solar, LLC **CPCN Attachment 1 to Exhibit 2: MAPS**

B. Site map of Albemarle Beach Solar, LLC showing prospective panel layout.



Outlined in BLUE above is the proposed layout that reflects the facility footprint. The blue diagonal lines depict modules and racking.

# Albemarle Beach Solar, LLC CPCN Attachment 1 to Exhibit 2: MAPS

## C. General Location Map of Albemarle Beach Solar, LLC



- The Facility will be an 80.0-MW<sub>AC</sub> photovoltaic ("PV") array. The source of its power is solar energy.
- ii. The Facility is a single-axis tracking, ground-mounted solar photovoltaic system consisting of approximately 367,213 solar PV modules and will utilize fifty-four (54) 1.56 MW inverters calibrated to 1.482 MW each.
- iii. The maximum gross power production capacity of the Facility will be 80.0-MW<sub>AC</sub> and the projected maximum net power production capacity is 78.4 MW<sub>AC</sub>. Solar is an intermittent energy source, and therefore, the maximum dependable capacity is 0 MW. The Facility's initial nameplate capacity is 84.24 MW based on the inverter rating of 1.56 MW. The inverters will receive a secondary rating during commissioning of the facility. The secondary nameplate capacity of the Facility will be 80 MW, based on the dialed down capacity of the inverters. The maximum net output of the Facility that can safely and reliably be achieved under the most favorable operation conditions is 80 MW.
- iv. The Facility is projected to come online in phases with the complete system online by September 30, 2016.
- v. The Applicant is in discussions to sell the output through a negotiated Power Purchase Agreement (PPA) to DNCP or to one or more retail customers in deregulated states that allow for such sales, or to sell the output in the PJM market. The Applicant has submitted an Interconnection Request to PJM Interconnection, L.L.C. (PJM) pursuant to PJM's Open Access Transmission Tariff and has executed a Generation Interconnection Feasibility Study Agreement with PJM.
- vi. No arrangements for wheeling have been made at this time. It is anticipated that, if the output is sold to retail customers in deregulated states that allow for such sales pursuant to a PPA, wheeling arrangements will be made.
- vii. No arrangements for firm, non-firm or emergency generation have been made at this time.
- viii. The service life of the equipment is expected to be a minimum of twenty (20) years.
- ix. The projected annual sales of the Facility are 193,957,198 kWh.
- x. The Applicant will produce Renewable Energy Certificates. The Applicant anticipates either participating in the North Carolina Renewable Energy Tracking System or in the tracking system of other states in the PJM territory.

i. The Applicant has filed for self-certification as a Qualifying Facility (QF) with the Federal Energy Regulatory Commission (FERC). The Applicant is seeking the benefits of 16 U.S.C. 824a-3 with the exception of the right to sell energy or capacity from its facility to DNCP. Applicant is aware that FERC entered an Order granting DNCP's application to terminate its obligation to purchase from QFs with a net capacity in excess of 20 MW on July 17, 2008. Therefore, the Applicant is seeking only certain benefits of a QF, such as the right to interconnect and purchase certain services and the right to relief from regulatory burdens such as compliance with certain requirements of the Public Utility Holding Company Act.

The Applicant anticipates needing a soil and erosion control permit from the Department of Environment and Natural Resources. The Facility has no potable water needs.

ii. The Applicant will file a copy of the federal and state licenses, permits and exemptions, if any are received, once they are obtained. A copy of the amended FERC self-certification filed for this 80 MW facility on May 22, 2015 and assigned docket number QF15-785-000 is attached as Attachment 1 to Exhibit 4.

# FEDERAL ENERGY REGULATORY COMMISSION WASHINGTON, DC

OMB Control # 1902-0075 Expiration 5/31/2016

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

<b>1b Applicant street</b> 192 Raceway D					
1c City		1d State/provi	ince		
Mooresville		North Car	olina		
<b>1e</b> Postal code 28117	1f Country (if not United States)		<b>1g</b> Telephone number 704–662–0375		
1h Has the instant fa	cility ever previously been certified as a Q	F? Yes N	No 🛛		
1i If yes, provide the	docket number of the last known QF filing	pertaining to th	nis facility: QF		
1j Under which cert	fication process is the applicant making th	is filing?			
Notice of self-c	ertification A v) A	pplication for Co e; see "Filing Fee	emmission certification (requires filing e" section on page 3)		
QF status. A not notice of self-ce	Note: a notice of self-certification is a notice by the applicant itself that its facility complies with the requirements for QF status. A notice of self-certification does not establish a proceeding, and the Commission does not review a notice of self-certification to verify compliance. See the "What to Expect From the Commission After You File" section on page 3 for more information.				
1k What type(s) of C	F status is the applicant seeking for its faci	lity? (check all th	check all that apply)		
Qualifying sma	ll power production facility status Q	ualifying cogene	eration facility status		
	se and expected effective date(s) of this fil				
Original certific	ation; facility expected to be installed by	12/31/16 ai	nd to begin operation on 12/31/16		
Parket States No. 1975	previously certified facility to be effective only of change(s) below, and describe change		laneous section starting on page 19)		
☐ Name chan	ge and/or other administrative change(s)				
☐ Change in c	wnership				
☐ Change(s) a	ffecting plant equipment, fuel use, power	production capa	city and/or cogeneration thermal output		
	correction to a previous filing submitted or applement or correction in the Miscellaneo	**************************************	ng on page 19)		
	owing three statements is true, check the b sible, explaining any special circumstance:				
previously gr	cility complies with the Commission's QF r anted by the Commission in an order date Miscellaneous section starting on page 19)	d	virtue of a waiver of certain regulations (specify any other relevant waiver		
	cility would comply with the Commission! with this application is granted	s QF requiremen	its if a petition for waiver submitted		
employment	cility complies with the Commission's regulation of unique or innovative technologies not cation of compliance via this form difficult of	contemplated by	the structure of this form, that make		

FERC Form 556 Page 6 - All Facilities

	2a Name of contact person			2b Telephone number		
	Kenny Habul			704-662-0375		
	2c Which of the following describes	the contact person's relation	onship to the app	olicant? (check one)		
	Applicant (self) Emplo	oyee, owner or partner of a	pplicant authori:	zed to represent the applicant		
<u>.</u>	Employee of a company affiliat	ed with the applicant auth	orized to represe	ent the applicant on this matter		
Jat	Lawyer, consultant, or other representative authorized to represent the applicant on this matter					
L L	2d Company or organization name (if applicant is an individual, check here and skip to line 2e)					
l Ju	SunEnergy1, LLC					
Contact Information	2e Street address (if same as Applicant, check here and skip to line 3a) ⊠					
ıta						
Ö						
	2f City		2g State/provi	nce		
-	2h Postal code	2i Country (if not United	States)			
_	3a Facility name					
ij	Albemarle Beach Solar					
g	3b Street address (if a street address	s does not exist for the facil	ity, check here a	nd skip to line 3c) 🔀	t	
2						
D						
fication a	Albemarle Beach Solar  3b Street address (if a street address does not exist for the facility, check here and skip to line 3c)  3c Geographic coordinates: If you indicated that no street address exists for your facility by checking the box in line then you must specify the latitude and longitude coordinates of the facility in degrees (to three decimal places). the following formula to convert to decimal degrees from degrees, minutes and seconds: decimal degrees = degrees + (minutes/60) + (seconds/3600). See the "Geographic Coordinates" section on page 4 for help. If you provided a street address for your facility in line 3b, then specifying the geographic coordinates below is optional Longitude    Latitude   North (+)   35.905   degrees					
denti	Longitude ☐ East (+) 76 ☐ West (-)	6.641 degrees	Latitude [	North (+) 35.905 degrees  South (-)		
2	3d City (if unincorporated, check he	re and enter nearest city)	3e State/pr	rovince		
l≓	Roper		North Car	rolina		
Facility	3f County (or check here for indepen	ndent city) 🗌 3g	Country (if not	United States)	i	
	Washington					
	Identify the electric utilities that are o		ith the facility.			
ies	4a Identify utility interconnecting w					
<del>=</del>	Dominion North Carolina	Power				
5	4b Identify utilities providing wheel	ing service or check here if	none 🛛		i	
ing						
g	4c Identify utilities purchasing the u	seful electric power outpu	t or check here if	none 🔀	i	
ns						
Transacting Utilities	4d Identify utilities providing supple service or check here if none	ementary power, backup p	ower, maintenan	nce power, and/or interruptible power	2	
	Dominion North Carolina	Power				
	1					

FERC Form 556 Page 7 - All Facilities

	t owners hold at least 10 percent equity interest in the facility, then provide the requirect owners with the largest equity interest in the facility.	Electric u		If Ye
		hold	ing	% equ
-	Full legal names of direct owners	comp	any	inter
1) Sun	Energy1, LLC	Yes 🗌	No 🛛	
2)		Yes 🗌	No 🗌	
3)		Yes 🗌	No 🗌	
4)		Yes 🗌	No 🗌	
5)		Yes 🗌	No 🗌	
6)		Yes 🗌	No 🗌	
7)		Yes 🗌	No 🗌	
8)		Yes 🗌	No 🗌	
9)		Yes 🗌	No 🗌	
10)		Yes 🗌	No 🗌	
5b Upst of the define 1262	Check here and continue in the Miscellaneous section starting on page 19 if additional ream (i.e., indirect) ownership as of effective date or operation date: Identify all upsets facility that both (1) hold at least 10 percent equity interest in the facility, and (2) and in section 3(22) of the Federal Power Act (16 U.S.C. 796(22)), or holding companions of the Public Utility Holding Company Act of 2005 (42 U.S.C. 16451(8)). Also protey interest in the facility held by such owners. (Note that, because upstream owners)	stream (i. are electi nies, as de ovide the	e., indire ric utilitie efined in s percenta	ct) own s, as section ge of
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	6a	Describe t	the primary energy input: (ch	neck one mai	n category an	id, if applicable,	one subcateg	jory)	
		Bioma	ss (specify)	⊠ Rer	newable reso	urces (specify)	☐ Geoth	ermal	
			Landfill gas	[	☐ Hydro pov	wer - river	Fossil	fuel (speci	fy)
			Manure digester gas	[	☐ Hydro pov	wer - tidal		Coal (not	waste)
			Municipal solid waste	]	☐ Hydro pov	ver - wave		Fuel oil/di	esel
			Sewage digester gas	0	☑ Solar - pho	otovoltaic		Natural ga	as (not waste)
			Wood	[	☐ Solar - the	rmal		Other foss	
			Other biomass (describe on	page 19) [	Wind		П	(describe	on page 19)
		Waste	(specify type below in line 6	ib) [		ewable resource on page 19)	Other	(describe	on page 19)
	6b	If you spe	cified "waste" as the primary	energy inpu	in line 6a, in	dicate the type	of waste fuel	used: (che	ck one)
		☐ Wast	te fuel listed in 18 C.F.R. § 29	2.202(b) (spe	ify one of the	e following)			
			Anthracite culm produced	prior to July	23, 1985				
			Anthracite refuse that has ash content of 45 percent		eat content o	f 6,000 Btu or le	ss per pound	and has a	n average
			Bituminous coal refuse tha average ash content of 25			tent of 9,500 Bto	u per pound o	r less and	has an
nput	Top or bottom subbituminous coal produced on Federal lands or on Indian lands that has be determined to be wanted by the United States Department of the Interiorie Bureau of Land N						of Land M liction, pro	anagement ovided that	
Energy Input	Coal refuse produced on Federal lands or on Indian lands that has been determined to be wa  BLM or that is located on non-Federal or non-Indian lands outside of BLM's jurisdiction, provapplicant shows that the latter is an extension of that determined by BLM to be waste								
Е			Lignite produced in associates a result of such a mining		production	of montan wax	and lignite th	at become	es exposed
			Gaseous fuels (except natu	ıral gas and s	nthetic gas f	rom coal) (desc	ribe on page '	19)	
	Waste natural gas from gas or oil wells (describe on p  C.F.R. § 2.400 for waste natural gas; include with your compliance with 18 C.F.R. § 2.400)								
			Materials that a governme	nt agency has	certified for	disposal by con	nbustion (des	cribe on p	age 19)
			Heat from exothermic read	tions (describ	e on page 19	9) 🗆	Residual heat	(describe	on page 19)
			Used rubber tires	] Plastic mat	erials	☐ Refinery o	ff-gas	☐ Petro	oleum coke
		facili	er waste energy input that ha ty industry (describe in the l of commercial value and exi	Miscellaneous	section start	ing on page 19	; include a dis	cussion of	
	6с	energy in	e average energy input, calo puts, and provide the related ). For any oil or natural gas f	d percentage	of the total a	verage annual e	energy input t		
			Fuel		ual average e t for specifie		Percentage annual energ		
			Natural gas			0 Btu/h		0 %	
			Oil-based fuels			0 Btu/h		0 %	
			Coal	14.		0 Btu/h		0 %	

FERC Form 556

Indicate the maximum gross and maximum net electric power production capacity of the facility at the point(s) of delivery by completing the worksheet below. Respond to all items. If any of the parasitic loads and/or losses identified in lines 7b through 7e are negligible, enter zero for those lines.

7a The maximum gross power production capacity at the terminals of the individual generator(s) under the most favorable anticipated design conditions	80,000	kW
<b>7b</b> 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	kW
7c Electrical losses in interconnection transformers	800	kW
7d Electrical losses in AC/DC conversion equipment, if any	0	kW
<b>7e</b> 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	800	kW
<b>7f</b> Total deductions from gross power production capacity = 7b + 7c + 7d + 7e	1,600.0	kW
<b>7g</b> Maximum net power production capacity = 7a - 7f	78,400.0	kW

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

The facility is a single-axis tracking, ground-mounted solar photovoltaic system consisting of approximately  $367,213\ 305W$  PV modules and will utilize fifty-four  $(54)\ 1,500\ kW$  inverters. The entire facility will be fenced.

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Information Required for Small Power Production Facility

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

	Pursuant to 18 C.F.R. § 292.204(a), the with the power production capacity resource, are owned by the same permegawatts. To demonstrate completion this size limitation under the S (Pub. L. 101-575, 104 Stat. 2834 (1991) through 8e below (as applicable).	y of any other small pow erson(s) or its affiliates, a liance with this size limit olar, Wind, Waste, and G	er production facilities that use nd are located at the same site ation, or to demonstrate that y eothermal Power Production I	the same energy , may not exceed 80 rour facility is exempt ncentives Act of 1990
	8a Identify any facilities with electric equipment of the instant facility, an at least a 5 percent equity interest.			
G	Check here if no such facilities exist.			
Certification of Compliance with Size Limitations	Facility location (city or county, state)	Root docket # (if any)	Common owner(s)	Maximum net power production capacity
ati	1)	QF -		kW
E E	2)	QF -		kW
e Li	3)	QF -		kW
tior Size	Check here and continue in the	e Miscellaneous section	starting on page 19 if addition	al space is needed
Cert	exemption from the size limitations.  Are you seeking exemption from the Yes (continue at line 8c be  8c Was the original notice of self-continue December 31, 1994? Yes	e size limitations in 18 C low) ertification or applicatio	.F.R. § 292.204(a) by virtue of the No (skip lines 8c through 8 n for Commission certification	he Incentives Act? Be) of the facility filed on or
	8d Did construction of the facility	commence on or before	December 31, 1999? Yes	No 🗌
	<b>8e</b> If you answered No in line 8d, in the facility, taking into account all fa a brief narrative explanation in the particular, describe why construction toward completion of the facility.	actors relevant to constr Miscellaneous section st	uction? Yes No If your lf your lf your lf your life you l	ou answered Yes, provide ruction timeline (in
Certification of Compliance with Fuel Use Requirements	Pursuant to 18 C.F.R. § 292.204(b), c amounts, for only the following pur prevention of unanticipated equipr the public health, safety, or welfare, used for these purposes may not ex period beginning with the date the	poses: ignition; start-up ment outages; and allevi , which would result fron sceed 25 percent of the t	; testing; flame stabilization; co ation or prevention of emerge n electric power outages. The otal energy input of the facility	ontrol use; alleviation or ncies, directly affecting amount of fossil fuels y during the 12-month
of C Rec	9a Certification of compliance with	18 C.F.R. § 292.204(b) w	rith respect to uses of fossil fue	d:
on c Use	Applicant certifies that the	facility will use fossil fuel	s <i>exclusively</i> for the purposes li	sted above.
cati	<b>9b</b> Certification of compliance with	n 18 C.F.R. § 292.204(b) v	vith respect to amount of fossil	fuel used annually:
Certifi vith Fu	Applicant certifies that the a percent of the total energy facility first produces electri	input of the facility durin		

## Information Required for Cogeneration Facility

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

	energy (such as heat or suse of energy. Pursuant cycle cogeneration facilithermal 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 toppingty, 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.
	7	eneration technology does the facility represent? (check all that apply)
		e 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 a 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 at you have complied with these requirements.
	Check to certify	
	compliance with	Donostro-cont.
	indicated requirement	Requirement
ration ر		Diagram must show orientation within system piping and/or ducts of all prime movers, heat recovery steam generators, boilers, electric generators, and condensers (as applicable), as well as any other primary equipment relevant to the cogeneration process.
gene natior		Any average annual values required to be reported in lines 10b, 12a, 13a, 13b, 13d, 13f, 14a, 15b, 15d and/or 15f must be computed over the anticipated hours of operation.
General Cogeneration Information		Diagram must specify all fuel inputs by fuel type and average annual rate in Btu/h. Fuel for supplementary firing should be specified separately and clearly labeled. All specifications of fuel inputs should use lower heating values.
ene		Diagram must specify average gross electric output in kW or MW for each generator.
G		Diagram must specify average mechanical output (that is, any mechanical energy taken off of the shaft of the prime movers for purposes not directly related to electric power generation) in horsepower, if any. Typically, a cogeneration facility has no mechanical output.
		At each point for which working fluid flow conditions are required to be specified (see below), such flow condition data must include mass flow rate (in lb/h or kg/s), temperature (in °F, R, °C or K), absolute pressure (in psia or kPa) and enthalpy (in Btu/lb or kJ/kg). Exception: For systems where the working fluid is <i>liquid only</i> (no vapor at any point in the cycle) and where the type of liquid and specific heat of that liquid are clearly indicated on the diagram or in the Miscellaneous section starting on page 19, only mass flow rate and temperature (not pressure and enthalpy) need be specified. For reference, specific heat at standard conditions for pure liquid water is approximately 1.002 Btu/(lb*R) or 4.195 kJ/(kg*K).
		Diagram must specify working fluid flow conditions at input to and output from each steam turbine or other expansion turbine or back-pressure turbine.
		Diagram must specify working fluid flow conditions at delivery to and return from each thermal application.
		Diagram must specify working fluid flow conditions at make-up water inputs.

	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	T
	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	Ü
s se	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?	T
mel n F	Yes (continue at line 11d below)	
Fundaı ıeratio	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.	
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?	i
ements from C	Yes. Provide in the Miscellaneous section starting on page 19 a description of any relevant changes made to the facility (including the purpose of the changes) and a discussion of why the facility should not be considered a "new" cogeneration facility in light of these changes. Skip lines 11e through 11j.	
Act 2005 Requirements for Fundamental Use Energy 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 0	11e Will electric energy from the facility be sold pursuant to section 210 of PURPA?	E
ct 20 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.	
EPAct of En	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?	i
	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.	

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 11j greater than or equal to 50 percent?

Yes. Your facility complies with 18 C.F.R. § 292.205(d)(2) by virtue of passing the fundamental use test provided in 18 C.F.R. § 292.205(d)(3). Applicant certifies its understanding that, if it is to rely upon passing the fundamental use test as a basis for complying with 18 C.F.R. § 292.205(d)(2), then the facility must comply with the fundamental use test both in the 12-month period beginning with the date the facility first produces electric energy, and in all subsequent calendar years.

No. Your facility does not pass the fundamental use test. Instead, you must provide in the Miscellaneous section starting on page 19 a narrative explanation of and support for why your facility meets the requirement that the electrical, thermal, chemical and mechanical output of an EPAct 2005 cogeneration facility is used fundamentally for industrial, commercial, residential or institutional purposes and is not intended fundamentally for sale to an electric utility, taking into account technological, efficiency, economic, and variable thermal energy requirements, as well as state laws applicable to sales of electric energy from a QF to its host facility. Applicants providing a narrative explanation of why their facility should be found to comply with 18 C.F.R. § 292.205(d)(2) in spite of non-compliance with the fundamental use test may want to review paragraphs 47 through 61 of Order No. 671 (accessible from the Commission's QF website at www.ferc.gov/QF), which provide discussion of the facts and circumstances that may support their explanation. Applicant should also note that the percentage reported above will establish the standard that that facility must comply with, both for the 12-month period beginning with the date the facility first produces electric energy, and in all subsequent calendar years. See Order No. 671 at paragraph 51. As such, the applicant should make sure that it reports appropriate values on lines 11g and 11h above to serve as the relevant annual standard, taking into account expected variations in production conditions.



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 14 and 15. Otherwise, skip pages 14 and 15.

The thermal energy output of a topping-cycle cogeneration facility is the net energy made available to an industrial or commercial process or used in a heating or cooling application. Pursuant to sections 292.202(c), (d) and (h) of the Commission's regulations (18 C.F.R. §§ 292.202(c), (d) and (h)), the thermal energy output of a qualifying 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*.

Average annual rate of

	Name of entity (thermal host) taking thermal output	Thermal host's relationship to facility; Thermal host's use of 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	
2)		Select thermal host's use of thermal output	Btu/h
4)		Select thermal host's relationship to facility	
4)		Select thermal host's use of thermal output	Btu/h
5)		Select thermal host's relationship to facility	
٥)		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 19 if additional space is needed

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

orm 556 P	age 15 - Topping-Cycle Cogeneration Facilities
Applicants for facilities representing topping-cycle technology must cycle operating standard and, if applicable, efficiency standard. Secti regulations (18 C.F.R. § 292.205(a)(1)) establishes the operating stand the useful thermal energy output must be no less than 5 percent of the (18 C.F.R. § 292.205(a)(2)) establishes the efficiency standard for toppi installation commenced on or after March 13, 1980: the useful power thermal energy output must (A) be no less than 42.5 percent of the tofacility; and (B) if the useful thermal energy output is less than 15 percent of less than 45 percent of the total energy input of natural gas and compliance with the topping-cycle operating and/or efficiency stand exempt from the efficiency standard based on the date that installational below.	on 292.205(a)(1) of the Commission's ard for topping-cycle cogeneration facilities: ne total energy output. Section 292.205(a)(2) ing-cycle cogeneration facilities for which routput of the facility plus one-half the useful otal energy input of natural gas and oil to the cent of the total energy output of the facility, d oil to the facility. To demonstrate ards, or to demonstrate that your facility is on commenced, respond to lines 13a through
If you indicated in line 10a that your facility represents both topping-technology, then respond to lines 13a through 13l below considering attributable to the topping-cycle portion of your facility. Your mass a which mass and energy flow values and system components are for v cogeneration system.	only the energy inputs and outputs nd heat balance diagram must make clear which portion (topping or bottoming) of the
13a Indicate the annual average rate of useful thermal energy output to the host(s), net of any heat contained in condensate return or make	
13b Indicate the annual average rate of net electrical energy output	kW
13c Multiply line 13b by 3,412 to convert from kW to Btu/h	0 Btu/h
<b>13d</b> Indicate the annual average rate of mechanical energy output to of the shaft of a prime mover for purposes not directly related to pow (this value is usually zero)	ken directly off
13e Multiply line 13d by 2,544 to convert from hp to Btu/h	0 Btu/h
13f Indicate the annual average rate of energy input from natural gas	
<b>13g</b> Topping-cycle operating value = 100 * 13a / (13a + 13c + 13e)	0 %
<b>13h</b> Topping-cycle efficiency value = 100 * (0.5*13a + 13c + 13e) / 13	
13i Compliance with operating standard: Is the operating value show	
Yes (complies with operating standard) No (do	es not comply with operating standard)
13j Did installation of the facility in its current form commence on or	after March 13, 1980?

Yes. Your facility is subject to the efficiency requirements of 18 C.F.R. § 292.205(a)(2). Demonstrate compliance with the efficiency requirement by responding to line 13k or 13l, as applicable, below. No. Your facility is exempt from the efficiency standard. Skip lines 13k and 13l. 13k Compliance with efficiency standard (for low operating value): If the operating value shown in line 13g is less than 15%, then indicate below whether the efficiency value shown in line 13h greater than or equal to 45%:

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

No (does not comply with efficiency standard)

Yes (complies with efficiency standard)	No (does not comply with efficiency standard)
res (complies with efficiency standard)	No (does not comply with emclency standard

Yes (complies with efficiency standard)

## Information Required for Bottoming-Cycle Cogeneration Facility

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

	The thermal energy output of a bottoming-cycle cogeneration facility is the energy related to the process(es) from which at least some of the reject heat is then used for power production. Pursuant to sections 292.202(c) and (e) of the Commission's regulations (18 C.F.R. § 292.202(c) and (e)), the thermal energy output of a qualifying bottoming-cycle cogeneration facility must be useful. In connection with this requirement, describe the process(es) from which at least some of the reject heat is used for power production by responding to lines 14a and 14b below.			
	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			
		Name of entity (thermal host) performing the process from which at least some of the reject heat is used for power production	Thermal host's relationship to facility; 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. 19)
	1)		Select thermal host's relationship to facility	Yes No
	1)		Select thermal host's process type	
o	2)		Select thermal host's relationship to facility	Yes No
ycl	2)		Select thermal host's process type	
9-0	3)		Select thermal host's relationship to facility	Yes No
i i			Select thermal host's process type	
om	Check here and continue in the Miscellaneous section starting on page 19 if additional space is needed			
Usefulness of Bottoming-Cycle Thermal Output	iden facili mus addi prev facili to th char	tified above. In some cases, this lity's process is not common, and/ t provide additional details as nec tional information may be require viously received a Commission cer ity, then you need only provide a ne order certifying your facility with	thermal output: At a minimum, provide a brief description is sufficient to demonstrate usefulr for if the usefulness of such thermal output is not recessary to demonstrate usefulness. Your application ed if an insufficient showing of usefulness is made. retification approving a specific bottoming-cycle probrief description of that process and a reference by the the indicated process. Such exemption may not ade.) If additional space is needed, continue in the N	ness. However, if your asonably clear, then you in may be rejected and/or (Exception: If you have cess related to the instant date and docket number be used if any material

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

(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). Demonstrate compliant with the efficiency requirement by responding to lines 15b through 15h below.
No. Your facility is exempt from the efficiency standard. Skip the rest of page 17.
15b Indicate the annual average rate of net electrical energy output kW
15c Multiply line 15b by 3,412 to convert from kW to Btu/h
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 (this value is usually zero)  hp
15e Multiply line 15d by 2,544 to convert from hp to Btu/h
15f Indicate the annual average rate of supplementary energy input from natural gas or oil  Btu
15g Bottoming-cycle efficiency value = 100 * (15c + 15e) / 15f
<b>15h</b> Compliance with efficiency standard: Indicate below whether the efficiency value shown in line 15g is greate than or equal to 45%:



knows its contents.

## 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.

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

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

Your Signature  Kenny Habul  Audit Notes	Your address 192 Raceway Drive Mooresville, NC 28117	Date 5/22/2015				
	192 Raceway Drive					
Your Signature		Date				
He or she has provided a copy of this Form 556 and all attachments to the utilities with which the facility will interconnect and transact (see lines 4a through 4d), as well as to the regulatory authorities of the states in which the facility and those utilities reside. See the Required Notice to Public Utilities and State Regulatory Authorities section on page 3 for more information.  Provide your signature, address and signature date below. Rule 2005(c) of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2005(c)) provides that persons filing their documents electronically may use typed characters representing his or her name to sign the filed documents. A person filing this document electronically should sign (by typing his or her name) in the space provided below.						
He or she has reviewed all automatic calculations and agrees with their results, unless otherwise noted in the Miscellaneous section starting on page 19.						
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						
$\Box$ An officer, agent, or employe of the governmental authority, agency, or instrumentality on behalf of which the filing is made						
The first and a first control of the first and the first a	An officer of the corporation, trust, association, or other organized group on behalf of which the filing is made					
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						
N	nority to sign the filing; as required by Rule 2005(a)(3	3) of the Commission's Rules of				
to the best of his or her knowledge ar  He or she possess full power and auth Practice and Procedure (18 C.F.R. § 38						

## CONFIDENTIAL

# Albemarle Beach Solar, LLC Application Exhibit 5

The projected cost of the Facility is filed under seal as **Confidential Attachment 1 to Exhibit 5** because it constitutes confidential and proprietary information within the scope of G.S. § 132-1.2.

a. SunEnergy1, LLC (SE1) develops, owns and operates solar photovoltaic (PV) facilities, including rooftop and ground-mount facilities. SE1 has developed more than 200 MW of solar PV. By 2016, SE1 anticipates developing as much as 100 MW of additional solar PV, approximately one-third of which will be owned and operated by SE1.

The company's professional team works closely with manufacturers, utilities and industry groups to improve safety, performance and cost efficiency. The company's employees work closely with UL, NEC, NFPA-70E, and other government agencies to ensure that safety in the solar industry continues to improve.

**Kenny Habul** is the President, CEO and Founder of SE1. He established himself as a leader in the field of sustainable construction technologies. Prior to forming SunEnergy1, Habul was a partner in Habul Brothers Luxury Home Construction, one of the most prominent and innovative builders in Queensland, Australia. There he gained vast experience in commercial and residential construction and formed a passion for sustainable construction practices and solar energy.

<u>Bill Brooks</u>, SE1's lead design engineer, is recognized by the solar industry as one of the most experienced solar engineers in the United States. Over the past two decades, he has designed and supervised the installation of the largest solar energy systems in the world. In 2008, Brooks was appointed to the code-making "Panel 4" of the National Electrical Code (NEC). He was instrumental in the development of PV codes and standards, including IEEE 929 (PV Utility Interconnection) and NEC Article 690 (Solar Photovoltaic Systems).

<u>Bradley Fite</u> is SE1's Chief Operations Officer (COO) and holds an Unlimited/Master Electrical License in multiple states. He is certified through Underwriter's Laboratory (UL) as a professional PV installer and holds several certifications through the North American Board of Certified Energy Practitioners (NABCEP). He is an active member of IEEE, NFPA, and works closely with utilities and manufacturers to stay on the leading edge of the PV industry. Fite is directly involved with all aspects of the company and oversees projects from initial development through construction and operations and maintenance. He has over 20 years of construction experience and has built more than 200 MW AC of solar PV projects.

<u>Joel Sossamon</u> is SE1's Director of Project Management. He has held his unlimited electrical license in the state of North Carolina for more than three decades and is responsible for the overall management of the solar installation projects for SE1, from ground-mount systems to rooftop arrays. He brings more than 40 years of electrical contracting experience in both commercial and industrial settings.

- b. No regulated utility will be involved in the actual operation of the Facility.
- c. The Applicant requests a waiver of the requirement to obtain a statement from electric utility to which the applicant plans to sell the electricity to be generated because SE1 has not yet determined to what entity or entities the output from the Facility will be sold. As noted in response to item V in Exhibit 3, the Applicant is pursuing several options for sale of the output, only one of which is a negotiated PPA with DNCP.

- a. The most current balance sheet for SunEnergy1, LLC, the parent company of the Applicant, is filed under seal as Confidential Attachment 1 to Exhibit 7 because it constitutes confidential and proprietary information within the scope of G.S. § 132-1.2.
- b. The most current income statement of SunEnergy1, LLC, the parent company of the Applicant, is filed under seal as Confidential Attachment 2 to Exhibit 7 because it constitutes confidential and proprietary information within the scope of G.S. § 132-1.2.
- c. A projected financial model is filed under seal as Confidential Attachment 3 to Exhibit 7 because it constitutes confidential and proprietary information within the scope of G.S. § 132-1.2.
- d. There are no confirmed financing arrangements at this time.

- a. A simulation reflecting the anticipated kilowatt and kilowatt-hour outputs, on-peak and off-peak, for each month of the year, including a statement of the specific on-peak and off-peak hours underlying the quantification, is filed under seal as Confidential Attachment 1 to Exhibit 8 because it constitutes confidential and proprietary information within the scope of G.S. § 132-1.2.
- b. The Facility is a solar photovoltaic array and the energy input is solar. The output of electrical generation will be sold under a PPA to either DNCP or to one or more retail customers in deregulated states that allow for such sales, or will be sold into the PJM market.
- c. No fuel supply arrangements are required for the Facility.