

SP-8284, Sub 0

**BY ELECTRONIC SUBMISSION**

August 15, 2016

Gail L. Mount  
Chief Clerk  
North Carolina Utilities Commission  
430 North Salisbury Street  
Raleigh, North Carolina 27603

Re: Docket No. SP- 8284, Sub 0  
Perquimans Solar, LLC – Application for a Certificate of Public  
Convenience and Necessity and Registration as a New Renewable  
Energy Facility

Dear Clerk Mount:

Enclosed for filing are Perquimans Solar LLC's Application for a Certificate of  
Public Convenience and Necessity and Registration as a New Renewable Facility.

Thank you for your time and attention.

Sincerely,



Donna Robichaud

Enclosures

**R8-61 Application for a Certificate of Public Convenience and Necessity (CPCN) by a Small Power Producer [Commission Rule R8-64(b)]**

**Exhibit 1**

(i) The full and correct name, business address, business telephone number, and e-mail address of the facility owner;

Perquimans Solar, LLC  
P. O. Box 71  
Denver, NC 28037  
Email: drobichaud@qf-solutions-llc.com  
Phone: (513) 659-1178

(ii) A statement of whether the facility owner is an individual, a partnership, or a corporation and, if a partnership, the name and business address of each general partner and, if a corporation, the state and date of incorporation and the name, business address, business telephone number, and electronic mailing address of an individual duly authorized to act as corporate agent for the purpose of the application and, if a foreign corporation, whether domesticated in North Carolina; and

The facility owner, Perquimans Solar LLC, is a limited liability company in North Carolina. The date of incorporation is August 15, 2016. DonnaRobichaud is an individual duly authorized to act as corporate agent for purpose of the application.

Perquimans Solar, LLC  
P.O. Box 71  
Denver, NC 28037  
Email: drobichaud@qf-solutions-llc.com  
Phone: (513) 659-1178

(iii) The full and correct name of the site owner and, if the owner is other than the applicant, the applicant's [legal] interest in the site.

Site Owner: T. A. Newbold Miller, LLC  
Legal Interest: Lease

## **Exhibit 2**

(i) **A color map or aerial photo** showing the location of the generating facility site in relation to local highways, streets, rivers, streams, and other generally known local landmarks, with the proposed location of major equipment indicated on the map or photo.

See Attachment 1 to Exhibit 2 for the location relative to local highways, etc. See Attachment 2 to Exhibit 2 for the location of the equipment.

(ii) E911 Address, County in which the proposed facility would be located, and GPS coordinates of the approximate center of the proposed facility site to the nearest second or one thousandth of a degree.

The project is located .3 miles southeast of the intersection of Pender Rd and Harvey Point Rd which is approximately 2.8 mile southeast of the city of Hertford in Perquimans County. The latitude of 36.149° and longitude -76.433° is the approximate center of the project.

Attachment 1 to Exhibit 2



Attachment 2 to Exhibit 2



### Exhibit 3

- (i) The nature of the generating facility, including the type and source of its power or fuel;

The Facility will be a 5.0 MW<sub>AC</sub> photovoltaic ("PV") array. The source of its power is solar energy.

- (ii) A description of the buildings, structures and equipment comprising the generating facility and the manner of its operation;

The facility will consist of approximately twenty-two (22,000) 315Wp DC photovoltaic (PV) modules (or the equivalent) affixed to ground-mounted racks, which will be supported by piles driven into the ground. The system will utilize three (3) 1.66 MW<sub>AC</sub> inverters (or the equivalent).

- (iii) The gross and net projected maximum dependable capacity of the facility as well as the facility's nameplate capacity, expressed as megawatts (alternating current);

The maximum gross power production capacity of the Facility will be 5 MW<sub>AC</sub> and the projected maximum net power production capacity is 4.98 MW<sub>AC</sub>. Solar is an intermittent energy source and therefore, the maximum dependable capacity is 0 MW.

- (iv) The projected date on which the facility will come on line; and

The Facility is projected to come online in June, 2017.

- (v) The applicant's general plan for sale of the electricity to be generated, including the utility to which the applicant plans to sell the electricity;

Electricity generated by the Facility will be sold to Dominion North Carolina Power under a fifteen-year power purchase agreement.

- (vi) Any provisions for wheeling of the electricity;

There are no provisions for wheeling the electricity generated.

- (vii) Arrangements for firm, non-firm or emergency generation;

No arrangements for firm, non-firm or emergency generation have been made at this time.

- (viii) The service life of the project;

The service life of the equipment is expected to be a minimum of twenty-five years.

- (ix) The projected annual sales in kilowatt-hours; and

The projected annual sales of the Facility are 10,725,000 kWh.

(x) Whether the applicant intends to produce renewable energy certificates that are eligible for compliance with the State's renewable energy and energy efficiency portfolio standard.

The Applicant will produce renewable energy certificates that are eligible for compliance with North Carolina's renewable energy and energy efficiency portfolio standard.

## **Exhibit 4**

(i) A complete list of all federal and state [not local] licenses, permits and exemptions required for construction and operation of the generating facility and a statement of whether each has been obtained or applied for.

The Applicant will file for self-certification as a Qualifying Facility under the Federal Energy Regulatory Commission. 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) A copy of those that have been obtained should be filed with the application; a copy of those that have not been obtained at the time of the application should be filed with the Commission as soon as they are obtained.

The Applicant will file a copy of the federal and state licenses, permits and exemptions, if any are received, once they are obtained.



## **Exhibit 5**

The projected cost of the Facility is fourteen million dollars (\$14,000,000).

BEFORE THE NORTH CAROLINA  
UTILITIES COMMISSION

In the Matter of Application of )  
Perquimans Solar, LLC for a )  
Certificate for Public Convenience ) VERIFICATION  
Necessity and Registration as a )  
New Renewable Energy Facility )

I, Donna Robichaud, Registered Agent of Perquimans Solar, LLC, a North Carolina limited liability company, verify that the contents of this Application for a Certificate of Public Convenience and Necessity filed in this docket are true to the best of my knowledge. I am duly authorized to act on behalf of said limited liability company.

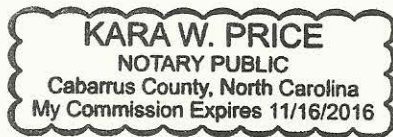
*Donna Robichaud*  
Donna Robichaud

Sworn to and subscribed before me, this the 15<sup>th</sup> day of August, 2016.

*Kara W. Price*  
Notary Public (signature)

Kara W. Price  
(Typed/ Printed Name)

My Commission Expires: November 16, 2016



## Application to Register a Renewable Energy Facility or New Renewable Energy Facility Pursuant to Rule R8-66

Please complete the form, print it, have it signed, and notarized, and make 9 copies and send them to the Chief Clerk of the Commission.

You may also file this application electronically; please see [www.ncuc.net/electronic\\_filing.html](http://www.ncuc.net/electronic_filing.html) for instructions. Be sure to attach additional information, such as maps, as required.

Applicants should consult Rule R8-66 while completing this form in order to ensure they provide sufficient information.

1	Facility name:	
2	Full and correct name of the owner of the facility:	
3	Business address:	
4	Electronic mailing address:	
5	Telephone number:	
6	Owner's agent for purposes of this application, if applicable:	
7	Agent's business address:	
8	Agent's electronic mailing address:	
9	Agent's telephone number:	
10	The owner is:	Individual      Partnership      Corporation/LLC
11	If a corporation, state and date of incorporation:	State _____ Date _____
12	If a corporation that is incorporated outside of North Carolina, is it domesticated in North Carolina?	YES                      NO
13	If a partnership, the name and business address of each general partner. (Add additional sheets if necessary.)	

14	Nature of the renewable energy facility:	
15	Describe the facility, including its technology, and the source of its power and fuel(s). Thermal facilities should describe how its host uses the facility's thermal energy output. (Add additional sheets if necessary.)	
16	Whether it produces electricity, useful thermal energy, or both:	
17	Nameplate capacity in kW/MW (AC) and/or maximum Btu per hour for thermal facilities:	
18	The facility's projected dependable capacity in kW AC and/or Btu/hour:	
19	The E911 address of the facility:	
20	The county where the facility will be located:	
21	GPS coordinates for the center of the facility's site:	
22	The location of the facility set forth in terms of local highways, streets, rivers, streams, or other generally known local landmarks. Attach a map, such as a county road map, with the location indicated on the map.	
22	The site owner:	
23	What is the facility owner's legal interest in the site?	
List the federal and state approvals that are required to build and/or operate this facility, and attach copies of those that have been obtained. Wind facilities with multiple turbines, where each turbine is licensed separately, may provide copies of approvals for one such turbine but shall add an attestation that approvals for all of the turbines are		

available for inspection.		
24	Federal permits and licenses:	
25	State permits and licenses:	
26	Exemptions required for construction and operation of the facility:	
27	Statement of whether each permit or exemption has been obtained or applied for (attach a copy of those that have been obtained with this application):	
28	If the facility has been placed into service, on what date did the facility begin operating?	
29	If the facility is not yet operating, on what date is the facility projected to be placed into service?	
30	If the facility is already operating, what is the amount of energy produced by the facility, net of station use, for the most recent 12-month or calendar-year period? Energy production data for a shorter time period is acceptable for facilities that have not yet operated for a full year.	
31	What entity does (or will) read the facility's energy production meter(s) for the purpose of issuing renewable energy certificates?	

32	For thermal energy facilities, describe the method to be used to determine the facility's thermal energy production, in Btus per hour, that will be eligible for REC issuance. (Add sheets if necessary.)	
33	Does the facility participate in a REC tracking system and if so, which one? If not, which tracking system will the facility participate in for the purpose of REC issuance?	
34	If this facility has already been the subject of a proceeding or submittal before the Commission, such as a Report of Proposed Construction or a Certificate of Public Convenience and Necessity, please provide the Commission Docket Number, if available.	
If the facility is a combined heat and power system, the owner shall also include in its registration statement the following information:		
35	A narrative description and one-line diagram of the electrical and thermal generation systems to include Btu meters, boilers, steam pressures, valves, turbines, and ultimate uses of the steam. Also, include any crossover of steam, cross connections (even if by spool piece), or the ability to supply steam from other means or to other loads.	
36	A description of the parasitic electrical and parasitic thermal loads. (Add sheets if necessary.)	
37	Calculations for the energy used by the parasitic electrical and parasitic thermal loads, with supporting documents. (Add sheets as necessary.)	

38	A description of the method of collecting the waste heat from the electrical generating system. (Add sheets as necessary.)	
39	A description of the host(s) of the waste heat and an explanation of how the waste heat will be used and useful.	
40	Calculations of the percent of energy that is delivered to the system host(s) but not used and useful.	
41	Confirmation if the proposed operation have any pressure-reducing valves operating simultaneously in parallel with any back-pressure turbines?	
If the facility owner intends to earn multiple types of RECs by using a variety of fuels, the owner should include in its registration statement the following additional information:		
42	Example calculations for the energy production associated with each fuel used by the facility as required by Appendix C (Multi-fuel Generation) to the Operating Procedures for the North Carolina Renewable Energy Tracking System. These calculations must ultimately show the electrical and thermal energy (if any) attributable to only the renewable fuels and how the number of renewable energy certificates would be determined.	
43	Describe each fuel to be used by the facility:	
44	Describe how the heat content of each fuel is or will be determined for the purpose of issuing renewable energy certificates:	

The owner of the renewable energy facility shall provide the following attestations, signed and notarized:

1.  Yes  No I certify that the facility is in substantial compliance with all federal and state laws, regulations, and rules for the protection of the environment and conservation of natural resources.
  
2.  Yes  No I certify that the facility satisfies the requirements of G.S. 62-133.8(a)(5) or (7) as a:
  - renewable energy facility, or
  - new renewable energy facility,
 and that the facility will be operated as a:
  - renewable energy facility, or
  - new renewable energy facility.
  
3.  Yes  No I certify that 1) my organization is not simultaneously under contract with NC GreenPower to sell RECs emanating from the same electricity production being tracked in NC-RETS; and 2) any renewable energy certificates (whether or not bundled with electric power) sold to an electric power supplier to comply with G.S. 62-133.8 have not, and will not, be remarketed or otherwise resold for any other purpose, including another renewable energy portfolio standard or voluntary purchase of renewable energy certificates in North Carolina (such as NC GreenPower) or any other state or country, and that the electric power associated with the certificates will not be offered or sold with any representation that the power is bundled with renewable energy certificates.
  
4.  Yes  No I certify that I consent to the auditing of my organization's books and records by the Public Staff insofar as those records relate to transactions with North Carolina electric power suppliers, and agree to provide the Public Staff and the Commission access to our books and records, wherever they are located, and to the facility.
  
5.  Yes  No I certify that the information provided is true and correct for all years that the facility has earned RECs for compliance with G.S. 62-133.8.
  
6.  Yes  No I certify that I am the owner of the renewable energy facility or am duly authorized to act on behalf of the owner for the purpose of this filing.

Donna Robichaud  
 (Signature)  
 Donna Robichaud  
 (Name – Printed or Typed)

Manager  
 (Title)  
 \_\_\_\_\_  
 (Date)



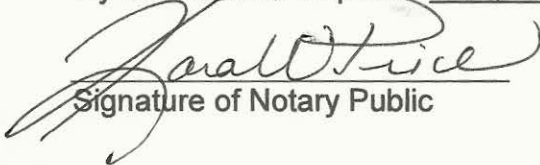
**VERIFICATION**

STATE OF North Carolina COUNTY OF Mecklenburg

Donna Robichaud, personally appeared before me this day and, being first duly sworn, says that the facts stated in the foregoing application and any exhibits, documents, and statements thereto attached are true as he or she believes.

WITNESS my hand and notarial seal, this 15<sup>th</sup> day of August, 2016.

My Commission Expires: November 16, 2016

  
Signature of Notary Public



Kara W. Price  
Name of Notary Public – Typed or Printed

The name of the person who completes and signs the application must be typed or printed by the notary in the space provided in the verification. The notary's name must be typed or printed below the notary's seal. This original verification must be affixed to the original application, and a copy of this verification must be affixed to each of the 15 copies that are also submitted to the Commission.