

Moore Solar, LLC

8/15/14

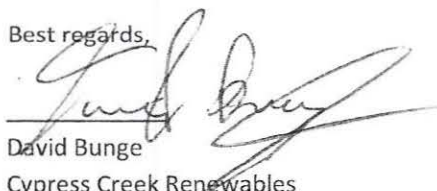
Mrs. Gail L. Mount  
Chief Clerk  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, NC 27699-4325

RE: Docket #: SP- 4081 Sub 0

Dear Mrs. Mount:

Please find attached an Application for Certificate of Public Convenience and Necessity and a Registration as a New Renewable Energy Facility for Moore Solar, LLC.

Best regards,

  
David Bunge

Cypress Creek Renewables

Cc: Duke Energy Progress

STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

Docket #: SP-4081 sub 0

Before the North Carolina Utilities Commission

In the Matter of

Application of <u>Moore Solar</u> , LLC )	Application for a Certificate of
For a Certificate of Public Convenience )	Public Convenience and Necessity
And Necessity )	

1. The full and correct name, business address, business telephone number, and electronic mailing address of the facility owner:

Moore Solar, LLC

c/o Cypress Creek Renewables, LLC  
3250 Ocean Park Blvd. Suite 355  
Santa Monica, CA 90405

Phone: 636-474-9067  
Email: bunge@ccrenew.com

2. 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:

Moore Solar, LLC is a North Carolina Limited Liability Company that was formed on 8 / 13 / 14.

David Bunge is duly authorized to act as corporate agent for the purposes of this application. All correspondence, documents, and filings regarding this application should be sent to:

David Bunge  
Cypress Creek Renewables  
3250 Ocean Park Blvd. Suite 355  
Santa Monica, CA 90405  
Phone: 636-474-9067  
Email: bunge@ccrenew.com

**3. The nature of the generating facility, including type and source of its power or fuel:**

The generating facility will be solar photovoltaic installation with a nameplate size of 4.99 MW AC. The source of its power will be solar energy.

**4. The location of the generating facility set forth in terms of local highways, streets, rivers, streams, or other generally known local landmarks together with a map, such as a county road map, with the location indicated on the map; and a drawing showing: (1) the proposed site layout relative to the map; (2) all major equipment, including the generator, fuel handling equipment, plant distribution system and start up equipment; (3) the site boundary; and (4) planned and existing pipelines, planned existing roads, planned and existing water supplies, and planned and existing electric facilities:**

The generating facility will be located off of NC Hwy 158 near the intersection of NC Hwy 158 and Monroeton Rd in Reidsville, NC

Tax Map #: 798201261271

County: Rockingham

Lat: 36 ° 17 ' 29.14 " N Long: 79 ° 44 ' 22.89 " W

Attachment A is a map that identifies the location of the generating facility.

(1) Attachment B shows the proposed site layout.

(2) All major equipment, including the generator, fuel handling equipment, plant distribution system and start up equipment:

- |                |                                       |
|----------------|---------------------------------------|
| i. Panels:     | <u>Yingli 305W</u> (*)                |
| ii. Inverters: | <u>Advanced Energy 1000NV/1KW</u> (*) |
| iii. Racking:  | <u>AP Alternatives</u> (*)            |

(\*) Final equipment selection will be the above or the equivalent and based on consultation with Duke Energy Progress.

(3) The site boundary is identified in Attachment B.

(4) Planned and existing pipelines, planned existing roads, planned and existing water supplies, and planned and existing electric facilities are as follows:

- |  |      |
|--|------|
| - No planned or existing pipelines.              | none |
| - No existing or planned roads.                  | none |
| - No existing or planned water supplies on site. | none |
| - No existing electrical facilities.             | none |

Planning on building a solar installation.

5. **The ownership of the site and, if the owner is other than the applicant, the applicant's interest in the site.**

The site is owned by John Moore and Kimberly Moore.

Applicant has a signed long term lease with the owner.

6. **A description of the buildings, structures and equipment comprising the generating facility and the manner of its operation.**

The applicant does not intend on constructing any buildings on site.

The structure of the solar installation will consist of solar panels mounted to a racking system. Electrical wires will attach to inverters that will be interconnected with the utility's distribution line. A security fence will surround the solar installation.

The equipment will consist of approximately <sup>(21640) 300W</sup> panels and (5) 1000 kW inverters. The panels will be mounted on a racking system.

7. **The projected maximum dependable capacity of the facility in megawatts.**

Solar is an intermittent energy source. The maximum dependable capacity is 0 MW.

8. **The projected cost of the facility.**

The projected cost of the facility is approximately \$ 12,000,000.

9. **The projected date on which the facility will come on line.**

The projected date on which the facility is anticipated to come on line is 6/15/15.

10. **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; any provisions for wheeling of the**



electricity; arrangements for firm, non-firm or emergency generation, the service life of the project; the projected annual sales in kilowatt-hours; 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 intends to sell the electricity produced to Duke Energy Progress under the CSP-29 tariff.
- The applicant does not intend to wheel the electricity produced.
- Solar energy is non-firm and intermittent in nature.
- The anticipated service life of the project is twenty-five years.
- The anticipated first year annual sales in kilowatt-hours are approximately 8,473,477 kWh.
- The applicant intends to produce renewable energy certificates that are eligible for compliance with the State's renewable energy and energy efficiency portfolio standard.

11. A complete list of all federal and state 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. 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 applying facility will comply with all necessary federal and state permits required for construction and operation. The anticipated required licenses and permits are:

<b>Federal</b>	FERC Self-Certification Qualifying Facility
<b>State</b>	Soil and Erosion Control Permit from the Department of Environment and Natural Resources
	North Carolina Department of Transportation Street and Driveway Access Permit

To date, the applying facility has neither applied for nor obtained any of the above licenses or permits. The applying facility will file with the Commission any state or federal license or permit once they are received.

STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

Docket #: SP-4081 sub Q

Before the North Carolina Utilities Commission

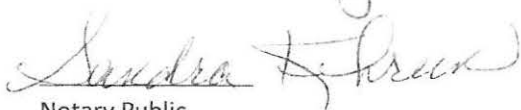
In the Matter of

Application of Moore Solar, LLC )  
For a Certificate of Public Convenience ) Verification  
And Necessity )

I, David Bunge, Managing Member of Moore Solar, LLC, verify that the contents of the application for a Certificate of Public Convenience and Necessity by Moore Solar, LLC filed in this docket are true to the best of my knowledge. I am duly authorized to act on behalf of Moore Solar, LLC.

  
David Bunge  
Managing Member

Sworn to and subscribed before me,  
This is the 15<sup>th</sup> day August, 2014

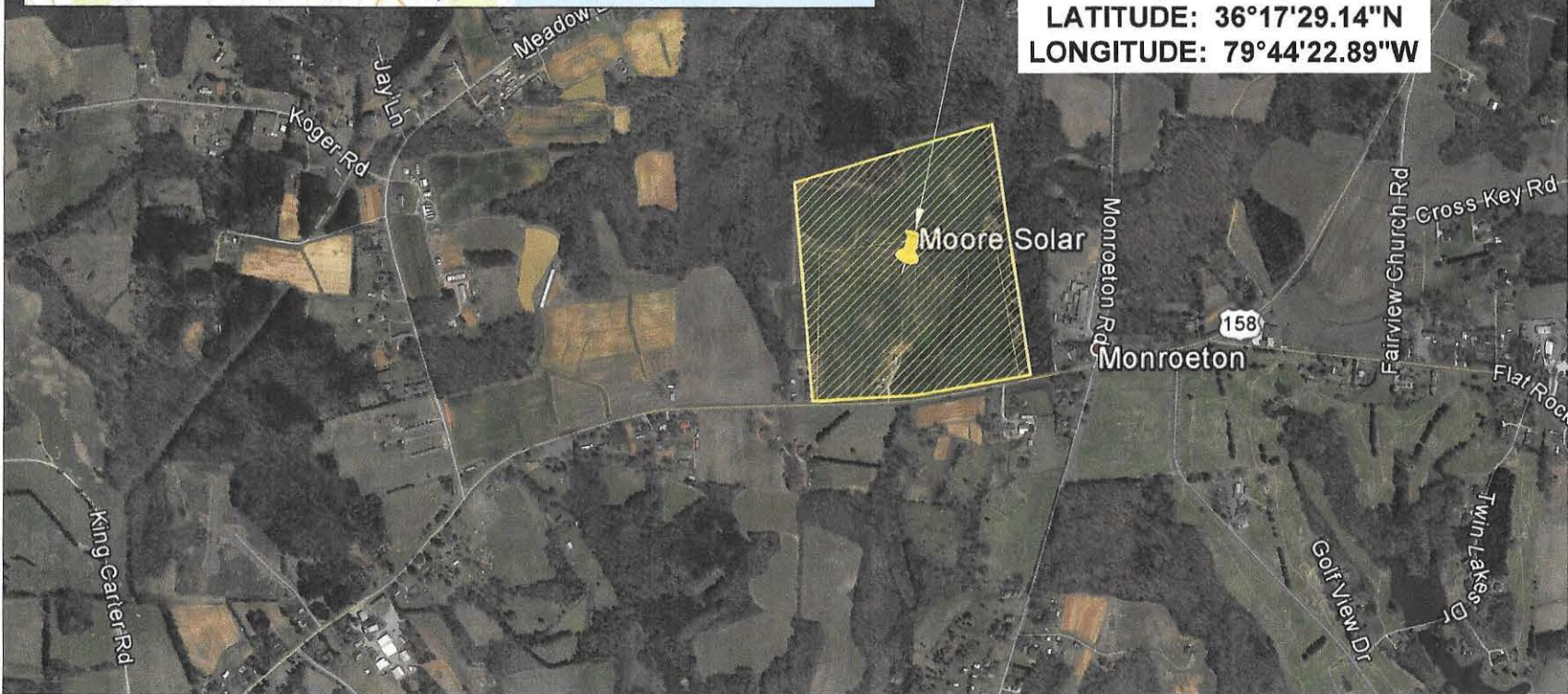
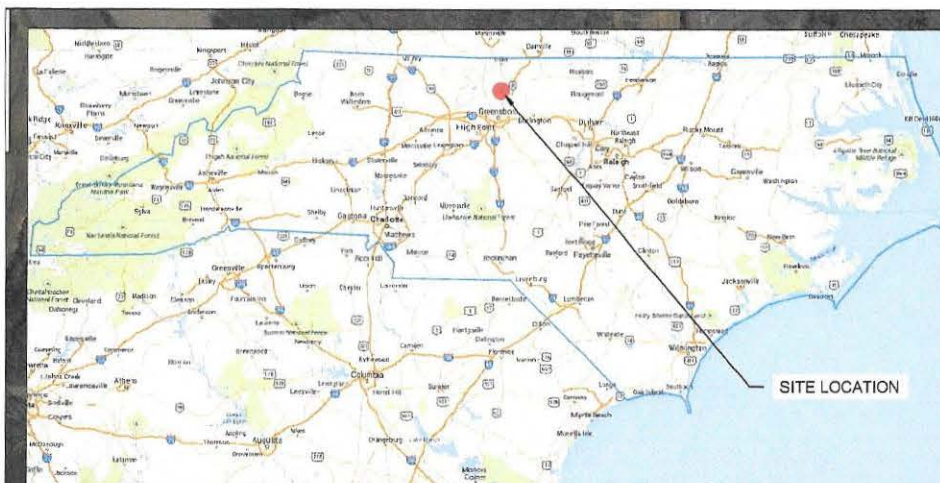
  
Notary Public

SANDRA KEHREIN  
Notary Public - Notary Seal  
State of Missouri - County of St. Louis  
My Commission Expires Mar. 17, 2017  
Commission # 13513923

My Commission expires on 03/17/2017.

ATTACHMENT A





**MOORE SOLAR**  
**(HWY 158)**  
**LATITUDE: 36°17'29.14"N**  
**LONGITUDE: 79°44'22.89"W**



Sustainable Energy Solutions  
 804 Meeting St  
 Charleston, SC 29403  
 (o) 843.277.2090  
 (f) 843.225.2980

GRID TIED PHOTOVOLTAIC SYSTEM

**4.99MW AC**  
**MOORE SOLAR**  
 36°17'29.14"N, 79°44'22.89"W  
 MONROETON, NC



DATE: 8.12.2014

NOT TO SCALE

**SHEET A**

OFFICIAL COPY

Aug 20 2014



**ATTACHMENT B**



Sustainable Energy Solutions  
 804 Meeting St  
 Charleston, SC 29403  
 (o) 843.277.2090  
 (f) 843.225.2980

GRID TIED PHOTOVOLTAIC SYSTEM

4.99MW AC  
 MOORE SOLAR  
 36°17'29.14"N, 79°44'22.89"W  
 MONROETON, NC



DATE 8.12.2014

NOT TO SCALE

SHEET B

OFFICIAL COPY

Aug 20 2014

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

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

Facility name:	Moore Solar
Full and correct name of the owner of the facility:	Moore Solar , LLC
Business address:	3250 Ocean Park Blvd Suite 355 Santa Monica, CA 90405
Electronic mailing address:	<a href="mailto:bunge@ccrenew.com">bunge@ccrenew.com</a>
Telephone number:	636-474-9067
Owner's agent for purposes of this application, if applicable:	David Bunge Managing Member
Agent's business address:	3250 Ocean Park Blvd Suite 355 Santa Monica, CA 90405
Agent's electronic mailing address:	<a href="mailto:bunge@ccrenew.com">bunge@ccrenew.com</a>
Agent's telephone number:	636-474-9067
The owner is:	<input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation (including LLC)
If a corporation, state and date of	State <u>NC</u> Date <u>8</u> / <u>13</u> / <u>14</u>



incorporation.	
If a corporation that is incorporated outside of North Carolina, is it domesticated in North Carolina?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If a partnership, the name and business address of each general partner. (Add additional sheets if necessary.)	NA
Nature of the renewable energy facility:	
1. 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.)	The generating facility consists of a <u>4.99</u> MW AC photovoltaic system powered by solar energy.
2. Whether it produces electricity, useful thermal energy, or both.	Electricity
3. Nameplate capacity in kW/MW (AC) and/or maximum Btu per hour for thermal facilities.	<u>4.99</u> MW AC



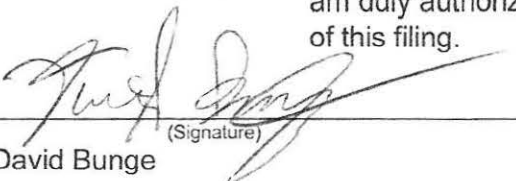
<p>The location of the facility set forth in terms of local highways, streets, rivers, streams, or other generally known local landmarks. <b>Attach a map, such as a county road map, with the location indicated on the map.</b></p>	<p>The facility is located off of <u>NC Hwy 158</u> near the intersection of <u>NC Hwy 158</u> and <u>Monroeton Rd</u> in <u>Reidsville</u>, NC</p> <p>Latitude: <u>36</u> ° <u>17</u> ' <u>29.14</u> " N  Longitude: <u>79</u> ° <u>44</u> ' <u>22.89</u> " W</p> <p>Please see attached map</p>
<p>Site ownership:</p>	
<p>1. Is the site owner different than the facility owner? If yes, who is the site owner?</p>	<p>Yes.  <u>John Moore</u>  <u>Kimberly Moore</u>  _____  _____</p>
<p>2. What is the facility owner's legal interest in the site?</p>	<p>The facility owner has entered into a site control agreement with the property owner.</p>
<p>List the 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.</p>	
<p>1. Federal permits and licenses:</p>	<p>FERC Form 556 (Self-certification)</p>
<p>2. State permits and licenses:</p>	<p>-Soil and Erosion Control Permit from the Department of Environment and Natural Resources  -NCDOT Street and Driveway Access Permit</p>
<p>3. Exemptions required for construction and operation of the facility:</p>	<p>NA</p>

4. Statement of whether each has been obtained or applied for (attach copy of those that have been obtained with this application):	None have been applied for to date.
If the facility has been placed into service, on what date did the facility begin operating?	NA
If the facility is not yet operating, on what date is the facility projected to be placed into service?	<u>6 / 15 / 15</u>

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.	NA
What entity does (or will) read the facility's energy production meter(s) for the purpose of issuing renewable energy certificates?	Duke Energy Progress
For thermal energy facilities, describe the method to be used to determine the facility's thermal energy production, in BTUs, that is eligible for REC issuance.	NA
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?	The facility plans to participate in NC-RETS for purposes of REC tracking.
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.	NA

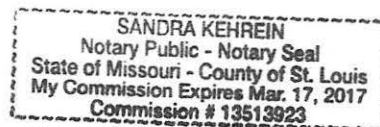
The owner of the renewable energy facility shall provide the following attestations, signed and notarized:

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 [CHECK ONE]:  
☐ renewable energy facility, or  
☒ new renewable energy facility,  
 and that the facility will be operated as a [CHECK ONE]:  
☐ 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 our 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.

  
 (Signature)  
 David Bunge  
 (Name - Printed or Typed)

Managing Member \_\_\_\_\_  
 (Title)  
 8/15/14  
 (Date)



VERIFICATIONSTATE OF Missouri COUNTY OF St. CharlesDavid Bunge, 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 day of August, 2014.My Commission Expires: 03/17/2017Sandra Kehrein  
Signature of Notary PublicSandra Kehrein  
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.