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SP- 5271, Sub 0

**BY ELECTRONIC SUBMISSION**

March 2, 2015

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

Re: Docket No. SP- 5271, Sub 0  
Cork Oak Solar, LLC – Application for a Certificate of Public Convenience and  
Necessity and Registration as a New Renewable Energy Facility

Dear Clerk Mount:

This is the application for Certificate of Public Convenience and Necessity and Registration as a  
New Renewable Facility.

Thank you for your time and attention.

Sincerely,

Walter Putnam, Jr.

Attachments:

CPCN Application Information per subsection (b)(1) of NCUC Rule R8-64 and Map  
Application for a New Renewable Energy Facility Pursuant to Rule R8-66  
Verification

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## **Application for a Certificate of Public Necessity and Convenience**

In support of its application, Cork Oak Solar shows the Commission the following:

### **Exhibit 1**

**(i) Full and correct name, business address, business telephone number, and electronic mailing address of the principal office of the facility owner.**

Cork Oak Solar, LLC  
7804 - C Fairview Road #257  
Charlotte, NC 28226  
Email: [interconnection@geenexsolar.com](mailto:interconnection@geenexsolar.com)  
Phone: (704) 907-7163

**(ii) A statement of whether the facility owner is an individual, a partnership, or a corporation and, if a partnership, the name and the 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.**

Cork Oak Solar LLC is a North Carolina limited liability company with its principal place of business in Charlotte, North Carolina. The Articles of Incorporation were filed on May 30, 2014. The facility owner, applicant and Walter Putnam, Jr., an individual duly authorized to act as corporate agent for the purpose of the application have the same address, telephone number, and electronic mailing address.

**(iii) Nature of the generating facility, including the type and source of its power or fuel.**

The Facility will be a 20 MW AC photovoltaic (PV) array. The source of its power is solar energy.

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

Pierce, William A. III & Sally J

Applicant plans to enter in a lease with site owner.



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## **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, including: the generator, fuel handling equipment, plant distribution system, startup equipment, the site boundary, planned and existing pipelines, planned and existing roads, planned and existing water supplies, and planned and existing electric facilities. A U.S. Geological Survey map or an aerial photo map prepared via the State's geographic information system is preferred: and**

See Attachment A

**(ii) The E911 street 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 final E911 address is obtained after the zoning permit is received. The site is located 1 mile east of the intersection of White Hill Road and Highway 301. The latitude is 36°22'16.73"N and the longitude is 77°34'17.60"W

*See map of property attached as "Exhibit A". The property line is marked in red.*

## **Exhibit 3**

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

The facility will generate 20 MW electricity. The source of power is solar.

**(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 ninety-thousand (90,000) 310 -330 W 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 inverters ranging from one (1) to two and a half (2.5) MW.

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

The facility's nameplate capacity is 20 MW. The gross capacity is 20 MW and net projected maximum capacity is 19.9 MW. With full solar resources, the dependable capacity is 20 MW. The dependable capacity will be reduced when the solar resources are diminished.



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

June 1, 2016

- (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;**

Applicant plans to sell electricity generated by the Facility to Dominion North Carolina Power.

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

None

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

None at this time

- (viii) The service life of the project;**

The service life of the equipment is a minimum of twenty five years.

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

The projected year one annual sales of the facility is approximately 44,000,000 kWh/yr.

- (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 plans to 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 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.**

- Storm-water Management Permit
- Erosion and Sedimentation Control Plan and Storm-water General Permit Coverage for Construction-Related Activities
- Conditional Use Permit
- Building Permit
- FERC Form 556

None of the above have been obtained at this time.



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(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.



**Exhibit 5**

The expected cost of the Facility is \$60,000,000.

# Cork Oak Solar

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20 MW AC

## Legend

-  Easement
-  Lease Premises

Pearces Pond

White Hill Rd

301

Google earth

© 2015 Google

2000 ft





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# Cork Oak Solar

GEENEX  
20 MW AC

## Legend

-  Equipment Layout
-  Lease Premises

Pearces Pond

Google™ earth

© 2015 Google

2000 ft

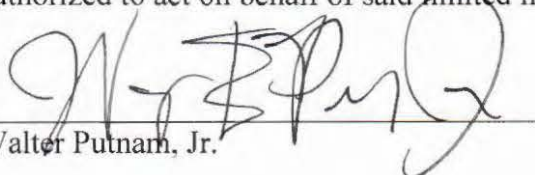


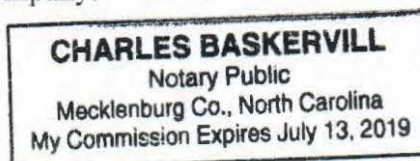
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## BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

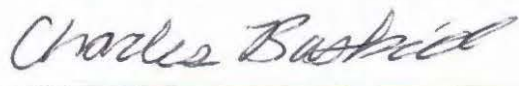
In the Matter of Application of )  
Cork Oak, LLC for a )  
Certificate of Convenience and Public ) VERIFICATION  
Necessity and Registration as a )  
New Renewable Energy Facility )


I, Walter Putnam, Jr., Officer of Cork Oak Solar, LLC, a North Carolina limited liability company, verify that the contents of this Application for a Certificate of Public Necessity and Convenience 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.

  
Walter Putnam, Jr.



Sworn to and subscribed before me, this the 2 day of March, 2015.

  
Notary Public (signature)

  
(Typed/ Printed Name)

My Commission Expires: July 13, 2019

Note: Please complete the form, print it, have it signed, notarized, make 15 copies and send them to the Chief Clerk of the Commission. Be sure to print a copy for your records as you cannot save data onto the form, nor can you file it online. Be sure to attach additional information, such as maps, as required.

## 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:	Cork Oak Solar
Full and correct name of the owner of the facility:	Cork Oak Solar LLC
Business address:	7804 - C Fairview Road #257 Charlotte, North Carolina, 28226
Electronic mailing address:	interconnection@geenexsolar.com
Telephone number:	(704) 907-7163
Owner's agent for purposes of this application, if applicable:	Walter Putnam, Jr.
Agent's business address:	7804 - C Fairview Road #257 Charlotte, North Carolina, 28226
Agent's electronic mailing address:	walter.putnam@geenexsolar.com
Agent's telephone number:	(704) 574-1587
The owner is: Cork Oak Solar LLC	<input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation (including LLC)
If a corporation, state and date of incorporation.	State <u>NC</u> Date <u>May 30, 2014</u>

If a corporation that is incorporated outside of North Carolina, is it domesticated in North Carolina?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If a partnership, the name and business address of each general partner. (Add additional sheets if necessary.)	
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.)	Solar PV
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.	20 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 site is located 1 mile east of the intersection of White Hill Road and Highway 301. The latitude is 36° 22'16.73"N and the longitude is 77°34'17.60"W</p>
<p>Site ownership:</p>	
<p>1. Is the site owner other than the facility owner? If yes, who is the site owner?</p>	<p>Yes. Pierce, William A. III and Sally J</p>
<p>2. What is the facility owner's legal interest in the site?</p>	<p>Plan to enter into lease agreement</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</p>
<p>2. State permits and licenses:</p>	<p>Stormwater Management Permit, Erosion and Sedimentation, Zoning</p>
<p>3. Exemptions required for construction and operation of the facility:</p>	
<p>4. Statement of whether each has been obtained or applied for (attach copy of those that have been obtained with this application):</p>	<p>No permits or licenses have been obtained at this time</p>

If the facility has been placed into service, on what date did the facility begin operating?	
If the facility is not yet operating, on what date is the facility projected to be placed into service?	June 1, 2016
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.	
What entity does (or will) read the facility's energy production meter(s) for the purpose of issuing renewable energy certificates?	Dominion North Carolina Power
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.	
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?	NC RETs

<p>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.</p>	
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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 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.

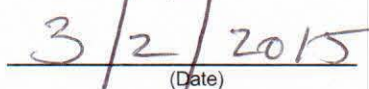
  
 \_\_\_\_\_  
 (Signature)

Walter Putnam, Jr.

\_\_\_\_\_  
 (Name - Printed or Typed)

Officer \_\_\_\_\_

(Title)

  
 \_\_\_\_\_  
 (Date)

VERIFICATION

STATE OF North Carolina COUNTY OF Mecklenburg  
Walter Putnam JR., 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 2 day of March, 2015.

My Commission Expires: July 13, 2019

Charles Baskerville

Signature of Notary Public

Charles Baskerville

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.