

Cottontail Solar, LLC
645 Wingrave Drive
Charlotte, NC 28270

August 12, 2016

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

RE: Docket No. SP-8268, Sub 0
Cottontail Solar, LLC – Application for a Certificate of Public Convenience and Necessity

Dear Clerk Mount:

Enclosed for filing is Cottontail Solar, LLC's Application for a Certificate of Public Convenience and Necessity.

Thank you for your assistance. Please contact me if you have any questions.

Sincerely,
Sanja Cortan
704-390-7806

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. SP- 8268, SUB 0

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

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

Cottontail Solar, LLC ("Cottontail" 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 a 4.5-megawatt ("MW") (alternating current) solar facility (the "Facility") to be located in Duplin County.

**APPLICATION FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY**

In support of its application, Cottontail Solar, LLC provides the Commission the attached five exhibits in compliance with Rule R8-64.

WHEREFORE, Cottontail Solar, LLC respectfully requests that the Commission:

- (i) issue a Certificate of Public Convenience and Necessity pursuant to G.S. § 62-110.1 and Commission Rule R8-64 for the 4.5-MW AC Facility, as more specifically described herein.

**Cottontail Solar, LLC
Application Exhibit 1**

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

Cottontail Solar, LLC
645 Wingrave Drive
Charlotte, NC 28270
704.930.7700

The electric mailing address for purposes of this filing is sanja.cortan@narenco.com

- ii. Cottontail Solar, LLC is a North Carolina limited liability company that was formed October 27, 2015. Andrew Giraldo 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 and counsel consent to electronic service of filings related to this application.

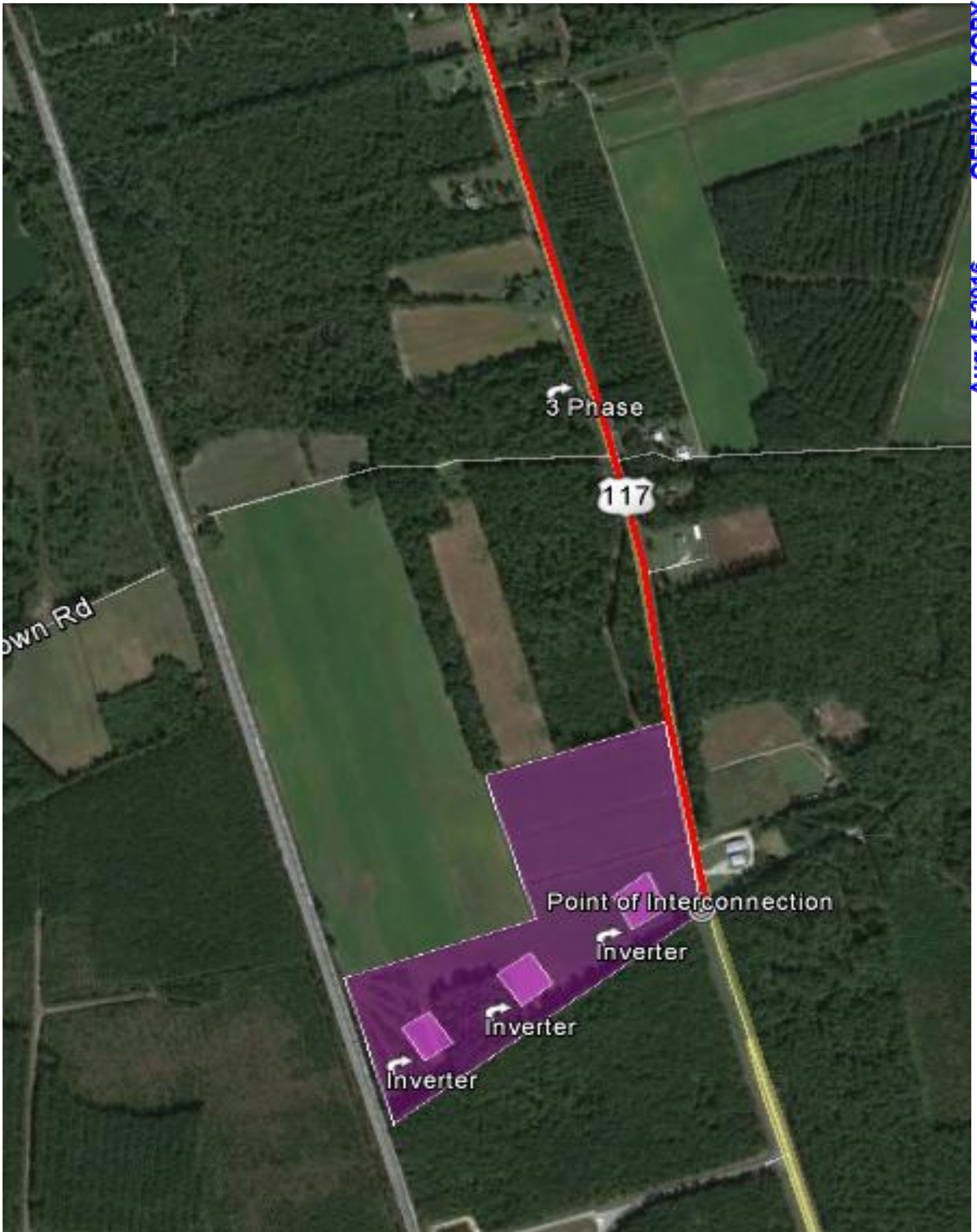
Andrew Giraldo
Cottontail Solar, LLC
645 Wingrave Drive
Charlotte, NC 28270
704.930.7700
sanja.cortan@narenco.com

- iii. Cottontail Solar, LLC will be the owner of the Facility and has entered into a lease with Farm & Forest, Inc., the current owner of the site.

Cottontail Solar, LLC
Application Exhibit 2

- i. See attached map with the proposed location of major equipment. The final site layout will depend on design considerations, consultation with Duke Energy Progress, and compliance with required permits.

- ii. An E911 street address has not been assigned to the Facility at the time. The applicant will notify the Commission of the E911 street address when it is received. Facility will be located off of South US Highway 117 approximately 1.13 miles south from the intersection of S. US HWY 117 and Rosemary Road in Rose Hill, Duplin County, North Carolina. The GPS coordinates of the facility are 34.792°, -78.011°



own Rd

3 Phase

117

Point of Interconnection

Inverter

Inverter

Inverter

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Cottontail Solar, LLC
Application Exhibit 3

- i. The Facility will be a 4.5-MW AC photovoltaic ('PV') project. The source of its power is solar energy.
- ii. The Facility will consist of approximately eighteen thousand five hundred (18,500) 340Wp PV modules (or equivalent) affixed to a ground mounted system supported on driven piles either mounted on fixed tilt or single access tracking racking system. The Facility will utilize approximately three (3) 1,500 kW inverters (or equivalent).
- iii. The maximum gross power production capacity of the Facility will be 4.5-MW AC and the projected maximum net power production capacity is 4.375-MW AC. Solar is an intermittent energy source, and therefore, the maximum dependable capacity is 0 MW. The Facility will be designed to a nameplate capacity of 4.5-MW AC.
- iv. The Facility is projected to come online in December, 2016.
- v. Electricity generated by the Facility will be sold to Duke Energy Progress as a Qualified Facility under a 15 year power purchase agreement.
- vi. There are no provisions for wheeling of the electricity generated anticipated.
- 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 years.
- ix. The projected annual sales of the facility are estimated to be 9,400,000 kWh or more in the first full year of production.
- x. The Applicant will produce renewable energy certificates that are eligible for compliance with North Carolina's renewable energy and energy efficiency portfolio standard.

Cottontail Solar, LLC
Application Exhibit 4

- i. 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 plan from the Department of Environmental Quality. 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 required, once they are obtained.

**Cottontail Solar, LLC
Application Exhibit 5**

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

STATE OF NORTH CAROLINA
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RALEIGH

DOCKET NO. SP-8268, SUB 0

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

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

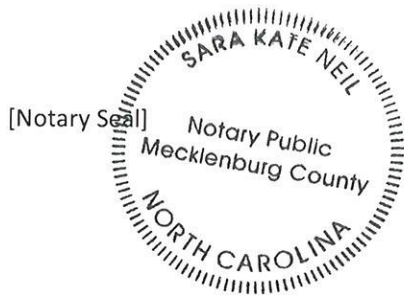
I, Jesse Montgomery, being duly sworn, do hereby declare that I am duly Authorized to act on behalf of the Applicant, that I am familiar with the facts, have read the foregoing Application, and the matters and statements contained therein are true to the best of my personal knowledge.

This 11th day of August, 2016.

Jesse Montgomery
Cottontail Solar, LLC



Sworn and subscribed to before me this 11th day of August, 2016.




Notary Public [Signature of Notary Public]

Sara Kate Neil
Name of Notary Public [typed/handwritten]

My Commission Expires Oct. 21st, 2019