

CAROLINA
SOLAR
ENERGY

OFFICIAL COPY

400 West Main, Suite 503 Durham, NC 27701
919-682-6822 www.carolinasolarenergy.com

21 April 2014

RE: Application for a Certificate of Public Convenience and Necessity
SP-2363, Sub 8 (Hardison Farm)

Chief Clerk
North Carolina Utilities Commission
Mail Service Center 4325
Raleigh NC 27699-4325

FILED

APR 23 2014

Clerk's Office
N.C. Utilities Commission

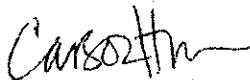
Dear Ms. Mount:

This filing is an application for a Certificate of Public Convenience and Necessity according to Rule R8-64.

This application is for a 4.99MWac photovoltaic solar generator to be located near Williamston, in Martin County, North Carolina.

Thank you in advance for your assistance with this application.

Sincerely,



Carson Harkrader

Cell: 518-728-5926

Email: charkrader@carolinasolarenergy.com

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Apr 23 2014

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of Application of
(Carolina Solar Energy II, LLC)
(for a Certificate of Public Convenience and Necessity for Hardison Farm) VERIFICATION

I, Richard Harkrader, CEO of Carolina Solar Energy II, LLC, verify that the contents of the application for a Certificate of Public Convenience and Necessity by Carolina Solar Energy II, LLC filed in this docket are true to the best of my knowledge. I am duly authorized to act on behalf of Carolina Solar Energy II, LLC.



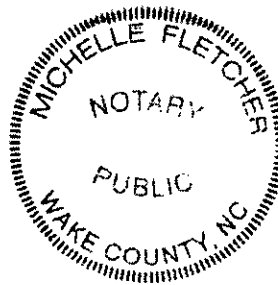
Signature of applicant
Richard Harkrader

Sworn to and subscribed before me, this is the 21st day of April, 2014.

(Signature of Notary)
Notary Public



My Commission expires: 10-10-17



Application for Certificate of Public Necessity and Convenience

1. Full Name, Business Address, and Business Telephone Number of Applicant

Carolina Solar Energy II, LLC
400 West Main Street, Suite 503
Durham, NC 27701
Attn: Carson Harkrader
Phone: 919-682-6822

2. Individual

Richard Harkrader, CEO, Carolina Solar Energy II, LLC

3. Nature of the generating facility including the type and source of its power or fuel

The generating facility consists of a 4.99MWac (6.25 MWdc) photovoltaic solar generator. The source of its power is solar.

4. Address or location of generating facility set forth in terms of local highways, streets, river, streams, or other generally known landmarks together with a map such as a county road map with the location indicated on the map.

The facility will be located at 19919 US Highway 64, Williamston NC (please find map attached.)

5. Owner of site, if the owner is not the applicant, and the owner's interest in the site or relation to application

The site is owned by Mr. John B. Hardison, Jr. and Mrs. Sandra H. Myers. Carolina Solar Energy II, LLC has signed a land lease agreement with the landowners for the property.

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

The 4.99MWac (6.25 MWdc) Photovoltaic Generator will be located on approximately 40 acres of land. The generator will have a security fence and operate during daylight hours without personnel on site.

The solar generator is proposed to be composed of:

- 21,660 Canadian Solar 300 Wdc PV Panels
- Schletter FS Fixed tilt Ground Mount @ 25 degrees
- 6 x SMA 3 phase, 750kw Inverters
- Balance of System including wiring, combiner boxes, disconnects and hardware
- Remote monitoring system

- Security fencing

7. The projected maximum dependable capacity of facility in megawatts

The PV Solar system will generate approximately 8,000 MWh the first year and the system output will decline at approximately 0.4% annually due to system aging. The PV solar energy generation is intermittent, the maximum dependable capacity will be 0 MW.

8. The projected cost of the facility

The projected project cost is \$15,500,000.

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

On or before December 31, 2014.

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, and the projected annual sales in kilowatt hours.

The applicant will sell all electricity to Dominion North Carolina Power, under a 15 year fixed price Renewable Power Purchase Agreement (RPPA). The projected lifetime of the equipment is twenty five years. Estimated annual sales is 8,000,000 kWh.

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 applicant filed for self-certification as a Qualifying Facility under the Federal Energy Regulatory Commission Form 556, and received acceptance of filing on 17 April, 2014 (attached).

The applicant is filing a Registration Statement for a New Renewable Energy Facility with the NCUC under Commission R8-66 together with this application on 21 April, 2014.

The applicant will file for a Martin County Building and Electrical Permit with the Martin County Inspections Department closer to the date of construction.

SP 2363, Sub 8
Hardison Farm: 19919 US Highway 64, Williamston NC 27892
Star = proposed point of interconnection

