

400 West Main, Suite 503 Durham, NC 27701  
919-682-6822 [www.carolinasolarenergy.com](http://www.carolinasolarenergy.com)

21 April 2013

RE: Application to Register a Renewable Energy Facility Pursuant to Rule R8-66  
SP-2363, Sub 8 (Hardison Farm)

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

Dear Ms. Mount:

In accordance with Rule R8-66, please find the Registration Statement for the Hardison Farm solar project to be constructed near the town of Williamston in Martin County, North Carolina.

Thank you in advance for your assistance with this registration.

Best regards,

A handwritten signature in black ink, appearing to read "Carson Harkrader". The signature is written in a cursive, flowing style.

Carson Harkrader  
Carolina Solar Energy II, LLC  
Office: 919-682-6822  
Cell: 518-728-5926  
Email: [charkrader@carolinasolarenergy.com](mailto:charkrader@carolinasolarenergy.com)

## Hardison Farm Solar Project Description

Carolina Solar Energy II, LLC will design, permit, construct and commission a 6.25MWdc (4.99MWac) photovoltaic generator to be located on approximately 40 acres of land at 19919 US Highway 64, near the town of Williamston in Martin County, NC at a cost of approximately \$15,500,000.

The project will sell electricity to Dominion North Carolina Power under a FERC avoided cost contract. The interconnection and delivery will be via Dominion North Carolina Power 3-phase service 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
- Site area approximately 40 acres

### **Project Schedule**

Carolina Solar Energy II, LLC proposes the following construction schedule:

- Design, financing and permitting July 2014
- Equipment delivery October 2014
- Generator construction October-November 2014
- Final inspections, commissioning and operation completed by December 31, 2014


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:	Hardison Farm
Full and correct name of the owner of the facility:	Carolina Solar Energy II, LLC
Business address:	400 W Main Street, Suite 503 Durham NC 27701
Electronic mailing address:	charkrader@carolinasolarenergy.com
Telephone number:	919-682-6822
Owner's agent for purposes of this application, if applicable:	n/a
Agent's business address:	n/a
Agent's electronic mailing address:	n/a
Agent's telephone number:	n/a
The owner is: Carolina Solar Energy II, 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>08/08/2008</u>

<p>If a corporation that is incorporated outside of North Carolina, is it domesticated in North Carolina?</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <input type="checkbox"/> Yes </div> <div style="text-align: center;"> <input type="checkbox"/> No </div> </div>
<p>If a partnership, the name and business address of each general partner. (Add additional sheets if necessary.)</p>	<p>n/a</p>
<p>Nature of the renewable energy facility:</p>	<div style="background-color: black; height: 50px;"></div>
<p>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.)</p>	<p>"Hardison Farm" is an approximately 4.99MWac solar photovoltaic (PV) generator located at 19919 US Highway 64, near the town of Williamston in Martin County, NC.</p> <p>The solar PV generator will include approximately 21,660 x 300 watt polycrystalline solar collector panels on a fixed tilt ground mounted racking system, with 6 x 750kw inverters.</p> <p>The fuel source is solar energy.</p>
<p>2. Whether it produces electricity, useful thermal energy, or both.</p>	<p>The facility will provide electrical energy from the sun via photovoltaic (PV) panels.</p>
<p>3. Nameplate capacity in kW/MW (AC) and/or maximum Btu per hour for thermal facilities.</p>	<p>Approximately 4.99MWac.</p>

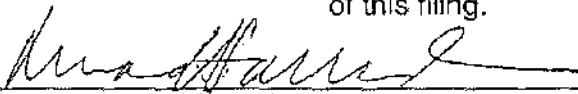
<p>The location of the facility set forth in terms of local highways, streets, rivers, streams, or other generally known local landmarks. Attach a map, such as a county road map, with the location indicated on the map.</p>	<p>The generator is on private property at 19919 US Highway 64, Williamston NC 27892.</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, the site is owned by Mr. John B. Hardison, Jr., and Mrs. Sandra H. Myers.</p>
<p>2. What is the facility owner's legal interest in the site?</p>	<p>Carolina Solar Energy II, LLC has an executed land lease agreement with the landowners for the site.</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 556</p>
<p>2. State permits and licenses:</p>	<p>NCUC R8-66, CPCN R8-64. No local permits are required per local planning office.</p>
<p>3. Exemptions required for construction and operation of the facility:</p>	<p>None.</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>FERC 556: Accepted 4/17/14 (attached).  CPCN R8-64: application submitted to Chief Clerk NCUC 4/21/14 together with this application.</p>

If the facility has been placed into service, on what date did the facility begin operating?	The facility has not been placed into service.
If the facility is not yet operating, on what date is the facility projected to be placed into service?	On or before December 31, 2014.
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.	n/a
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.	n/a
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?	Yes, 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>	<p>No.</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)

Richard J Harkrader  
 (Name - Printed or Typed)

CEO  
 (Title)

04/21/14  
 (Date)