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ESA Renewables, LLC

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FEB 12 2015

Clerk's Office
N.C. Utilities Commission

February 11, 2015

Ms. Gail L. Mount, Chief Clerk
N. C. Utilities Commission
4325 Mail Service Center
Raleigh, NC 27699-4325
Attn: Linnetta Threatt

SP-5152 SUB O

RE: ESA Henderson 2 LLC

Dear Ms. Threatt,

Per our initial conversation via phone on February 10, 2015, I have enclosed 7 additional copies of the Application to Register Renewable Energy Facility and 4 additional copies of the Report by Persons Constructing Generating Facilities Exempt from Certification on behalf of ESA Henderson 2 LLC.

Please contact me with any questions.

Regards,

A handwritten signature in blue ink, appearing to read 'Lindsay Herold', is written over the typed name.

Lindsay Herold
Manager



February 6, 2015

Ms. Gail L. Mount, Chief Clerk
N. C. Utilities Commission
4325 Mail Service Center
Raleigh, NC 27699-4325

RE: ESA Henderson 2 LLC

Dear Ms. Mount,

Enclosed herein, please find 3 original copies of the Application to Register Renewable Energy Facility and 3 original copies of the Report by Persons Constructing Generating Facilities Exempt from Certification on behalf of ESA Henderson 2 LLC.

Please contact me with any questions.

Regards,

A handwritten signature in blue ink, appearing to read "L. Herold", is written over the typed name.

Lindsay Herold
Manager

copy to: Duke Progress Energy

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R8-65 Report by Persons Constructing Electric Generating Facilities Exempt from Certification Requirement [Commission Rule R8-65 and 64(b)]

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[building an electric generating facility in North Carolina with an alternating current capacity of less than 2-MW or an electric generating facility primarily for your own use per Commission Rule R8-65 and 64(b)]

(b)(1) Exhibit 1 shall contain:

(i) The full and correct name, business address, business telephone number, and e-mail address of the facility owner;

ESA Henderson 2, LLC
4150 St Johns Parkway, Ste 1000, Sanford, FL 32771
407-268-6455
lherold@esarenewables.com

(ii) 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; and

The facility owner is a corporation and is incorporated in North Carolina as of 2/6/15. The individual authorized to act as corporate agent for the purpose of the application is Lindsay Herold, 4150 St Johns Parkway, Ste 1000, Sanford, FL 32771; 407-268-6455, lherold@esarenewables.com.

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

The owner of the site is Claude Jackson. The applicant will enter into a long term lease with the site owner.

(2) Exhibit 2 shall contain:

(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: **See Exhibit 1.**

the generator,

fuel handling equipment,

plant distribution system, and 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

(ii) The **E911** street address,

The site is located at 611 Bear Pond Road, Henderson, NC; PIN #: 0224 02021

County in which the proposed facility would be located, and

The facility is located in Vance County.

GPS coordinates of the approximate center of the proposed facility site to the nearest second or one thousandth of a degree.

The GPS coordinates are 36 degrees 16' 55.43 N; 78 degrees 23' 42.62' W

(3) Exhibit 3 shall contain:

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

The generating facility is a solar photovoltaic facility and its source of its power is the sun.

(ii) A description of the buildings, structures and equipment comprising the generating facility and the manner of its operation;

The generating facility will consist of a PV array, totaling approximately 2.3MW DC. The total facility will produce 1.99MW AC. The facility will interconnect to the nearby substation or existing electrical distribution line or substation.

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

Since solar is an intermittent energy source, the maximum dependable capacity is 0MW. The facility's nameplate capacity is 1.99MW AC.

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

December 31, 2015

(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;

The applicant plans to sell the electricity to Duke Energy Progress, under the CSP29 tariff rate.

(vi) Any provisions for wheeling of the electricity;

There are no provisions for wheeling the electricity.

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

There are no arrangements for firm or non-firm emergency generation.

(viii) The service life of the project;

The projected service life of the project is 30 – 35 years.

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

The projected annual sales in kilowatt hours are 3,300,000.

(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 intends to produce renewable energy certificates that are eligible for compliance with both the State's renewable energy and energy efficiency portfolio standard.

(4) Exhibit 4 shall contain:

(i) A complete list of all federal and state [not local] 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.

The applicant has applied for self certification as a Qualifying Facility under FERC and will file with the Commission as soon as it is received. The applicant has not yet filed for any other permits yet, but will file each with the Commission as they are received.

(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.

Copies of permits will be filed with the Commission as soon as they are received

(5) Exhibit 5 shall contain the **expected** cost of the proposed facility.

The projected cost is approximately \$4,600,000.

(6) [Not applicable to ROPCs]

(7) **All applications shall be signed and verified** [notarized] by the applicant or by an individual duly authorized to act on behalf of the applicant for the purpose of the application.

(see next page for a blank verification)

VERIFICATION

STATE OF Florida COUNTY OF Seminole

Lindsay Herold
Signature of Owner's Representative or Agent

Manager
Title of Representative or Agent

Lindsay Herold
Typed or Printed Name of Representative or Agent

The above named person 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 10 day of February, 2015.

My Commission Expires: DECEMBER 3, 2018

[Signature]
Signature of Notary Public

CRAIG LIVINGSTON
Name of Notary Public – Typed or Printed



This original verification must be affixed to the original application, and a copy of this verification must be affixed to each of the copies that are also submitted to the Commission.

Driving directions from Raleigh:

1. Start out going west on W Edenton St toward N McDowell St/US-70 W/US-401 N/NC-50.
2. Take the 1st right onto N McDowell St/US-70 W/US-401 N/NC-50. Continue to follow US-401 N.
3. Stay straight to go onto Capital Blvd/US-1 N. Continue to follow US-1 N.
4. Take the Bearpond Rd exit.
5. Turn right onto Bear Pond Rd.
6. 611 BEAR POND RD is on the left.

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.

SP-5152 SUB O

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Clerk's Office
N.C. Utilities Commission

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:	ESA Henderson 2, LLC
Full and correct name of the owner of the facility:	ESA Henderson 2, LLC
Business address:	4150 St Johns Parkway, Ste 1000, Sanford, FL 32771
Electronic mailing address:	lherold@esarenewables.com;
Telephone number:	407-268-6455
Owner's agent for purposes of this application, if applicable:	N/A
Agent's business address:	
Agent's electronic mailing address:	
Agent's telephone number:	
The owner is: ESA Henderson 2, 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>2/6/15</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="border: 1px solid black; padding: 5px; text-align: center;"> <input checked="" type="checkbox"/> Yes </div> <div style="border: 1px solid black; padding: 5px; 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>Nature of the renewable energy facility:</p>	<p>Solar PV</p>
<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>The generating facility is a ground mounted site, totaling 1.99 MW (AC) solar photovoltaic electric generation facility. The system will be tied to the grid and the source of the power will be the sun.</p>
<p>2. Whether it produces electricity, useful thermal energy, or both.</p>	<p>The system produces electricity.</p>
<p>3. Nameplate capacity in kW/MW (AC) and/or maximum Btu per hour for thermal facilities.</p>	<p>1.99MW AC</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 facility is located at 611 Bear Pond Road, Henderson, NC and as delineated in Exhibit 1, NC PIN# 0224 02021 . The site is located in Vance County.</p> <p>The GPS coordinates are 36 degrees 16' 55.43 N; 78 degrees 23' 42.62' W.</p>
<p>Site ownership:</p>	<p>The owner is Claude Jackson.</p>
<p>1. Is the site owner other than the facility owner? If yes, who is the site owner?</p>	<p>Yes, the facility owner will be ESA Henderson 2, LLC.</p>
<p>2. What is the facility owner's legal interest in the site?</p>	<p>The applicant will enter into a long term lease with the site 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 approval</p>
<p>2. State permits and licenses:</p>	<p>General Building Permit, Electrical Permit, Special Use Permit</p>
<p>3. Exemptions required for construction and operation of the facility:</p>	<p>None required</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>Each of the above mentioned permits will be applied for.</p>

If the facility has been placed into service, on what date did the facility begin operating?	N/A
If the facility is not yet operating, on what date is the facility projected to be placed into service?	Facility is projected to be placed into service in December, 2015.
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?	Duke Progress Energy
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?	The facility will participate in the NC-RETS REC tracking system.

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.

N/A

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)

Lindsay Herold

(Name - Printed or Typed)

Manager

(Title)

02/06/15

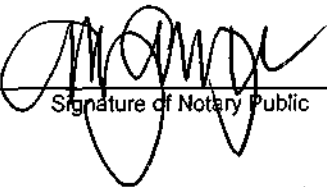
(Date)

VERIFICATION

STATE OF Florida COUNTY OF Seminole
Lindsay Herold, 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 11 day of February, 2015.

My Commission Expires: DECEMBER 3, 2018



Signature of Notary Public

CRAIG LIVINGSTON

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.

Exhibit 1



4150 St. Johns Parkway I, Ste 1000
Gandford, FL 32771
phone: (407) 268-6455

1.99 MWac

- 6101 - COVER SHEET
- 6201 - GENERAL LAYOUT
- 6301 - TYPICAL ARRAYS
- 6401 - SIGNAL LINE DIAGRAM



Driving directions from Raleigh:

1. Start out going west on W Edenton St toward N McDowell St/US-70 W/US-401 N/NC-50.
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