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Poyner Spruill^{LLP}

May 29, 2012

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Clerk's Office
N.C. Utilities Commission

Christopher J. Ayers
Partner
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Gail L. Mount
Chief Clerk
North Carolina Utilities Commission
430 N. Salisbury Street – Dobbs Building
Raleigh, North Carolina 27603

RE: Docket No. Ret-33, Sub 5
Appalachian State University – BLACKBURN & VANNOY FARM SOLAR THERMAL
Application to Register a Renewable Energy Facility or
New Renewable Energy Facility Pursuant to Rule R8-66

mH
AG
Watson
Duffley
Jones
Hodge
Legal
2 Elec.

Dear Ms. Mount:

On behalf of Appalachian State University, we submit for filing the enclosed original plus fifteen (15) copies of the application to register a new solar thermal system located at 608 Water Tank Road, Fleetwood, North Carolina 28626.

Kindly file-stamp and return the additional copy of this submission to me via our courier.

If you have any questions regarding the application, please let me know.

Sincerely,



Christopher J. Ayers

/mkl

Enclosures

Application to Register a Renewable Energy Facility or New Renewable Energy Facility Pursuant to Rule R8-66

(Applicant should consult Rule R8-66 while completing this form in order to ensure they provide sufficient information.)

Facility name:	Blackburn & Vannoy Farm Solar Thermal
Full and correct name of the owner of the facility:	Appalachian State University
Business address:	Appalachian State University Office of the Chancellor John Earwood – Chief of Staff to the Chancellor Boone, North Carolina 28608
Electronic mailing address:	earwoodjt@appstate.edu
Telephone number:	(828) 262-2040
Owner's agent for the purpose of this application, if applicable	Ged Moody – Director, ASU Office of Sustainability
Agent's business address:	ASU Box 32161 Boone, NC 28608
Agent's electronic mailing address:	moodyge@appstate.edu
Agent's telephone number:	(828) 262-2665
The owner is:	<input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation (including LLC)
If a corporation, state and date of incorporation	State _____ Date _____

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If a corporation that is incorporated in North Carolina, is it domesticated in North Carolina?	<div style="display: flex; justify-content: space-around;"> ___ Yes ___ No </div>
If a partnership, the name and business address of each general partner. (Add additional sheets if necessary)	Appalachian State University is a public education institution and part of the University of North Carolina system.
Nature of the renewable energy facility:	Solar Thermal
1. Describe the facility, including 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.)	(3) 30-tube evacuated tube collector closed-loop pressurized glycol system. Pre-packaged kit by Solar Panels Plus. Collectors are SRCC OG-100 certified. Kit is SRCC OG-300 certified. 115 gallon storage tank with internal heat exchanger, Caleffi iSolar 2 differential controller. 128,400 BTU/day or 25,680 BTU/hour – 73% of the yearly solar fraction met.
2. Whether it produces electricity, useful thermal energy or both.	Solar thermal
3. Nameplate capacity in kW/MW (AC) and/or maximum Btu per hour for thermal facilities.	128,400 BTU/day or 25,680 BTU/hour
The location of the facility set forth in terms of local highways, streets, rivers, streams and other generally known local landmarks. Attach a map, such as a county road map with the location indicated on the map.	See attached map. 608 Water Tank Rd, Fleetwood, 28626.

Site ownership:	Appalachian State University
1. Is the site owner other than the facility owner? If yes, who is the site owner?	No
2. What is the facility owner's legal interest in the site?	
<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>	
1. Federal permits and licenses:	N/A
2. State permits and licenses:	N/A
3. Exemptions required for construction and operation of the facility:	N/A
4. Statement of whether each has been obtained or applied for (attach copy of those that have been obtained with this application):	N/A

If the facility has been placed into service, on what date did the facility begin operation?	
If the facility is not yet operating, on what date is the facility projected to be placed into service?	May 1st, 2012
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 credits?	N/A
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.	It is the intention of Appalachian State University to register this system with NC-RETS in the future.
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?	N/A
If the 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.	

The owner of the renewable energy facility shall provide the following attestations, signed and notarized:

1. X 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.

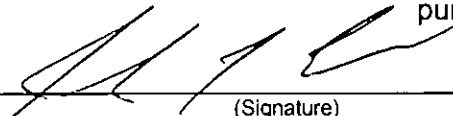
2. X Yes No I certify that the facility satisfies the requirements of G.S. 62-133.8(a)(5) or (7) as a:
 renewable energy facility, or
 X new renewable energy facility,
and that the facility will be operated as a:
 renewable energy facility, or
 X new renewable energy facility.

3. X 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, or will not, be remarketed or otherwise resold for any 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. X 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. X 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. X 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)
John T. Crawford

(Name - Printed or typed)

Chief of Staff, ASU

(Title)
5/11/12

(Date)

State of North Carolina
Utilities Commission
Raleigh

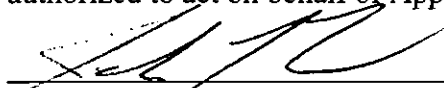
Docket No. _____

Before the North Carolina Utilities Commission

Verification

In the matter of Appalachian State University for the purpose of Report of Proposed
Construction (NC UC Rule R8-65) and Registration (NC UC Rule R8-66)

I, John Earwood, Chief of Staff, of Appalachian State University, verify the contents of
the application for a Certificate of Public Convenience and Necessity by Appalachian
State University filed in this docket are true to the best of my knowledge. I am duly
authorized to act on behalf of Appalachian State University in this matter.



Signature of authorized applicant

JOHN T. EARWOOD

Printed name of authorized applicant

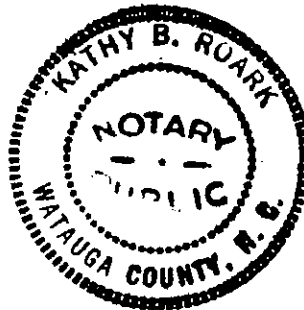
Sworn to and subscribed before me,
This is the 15th day of May, 2012.



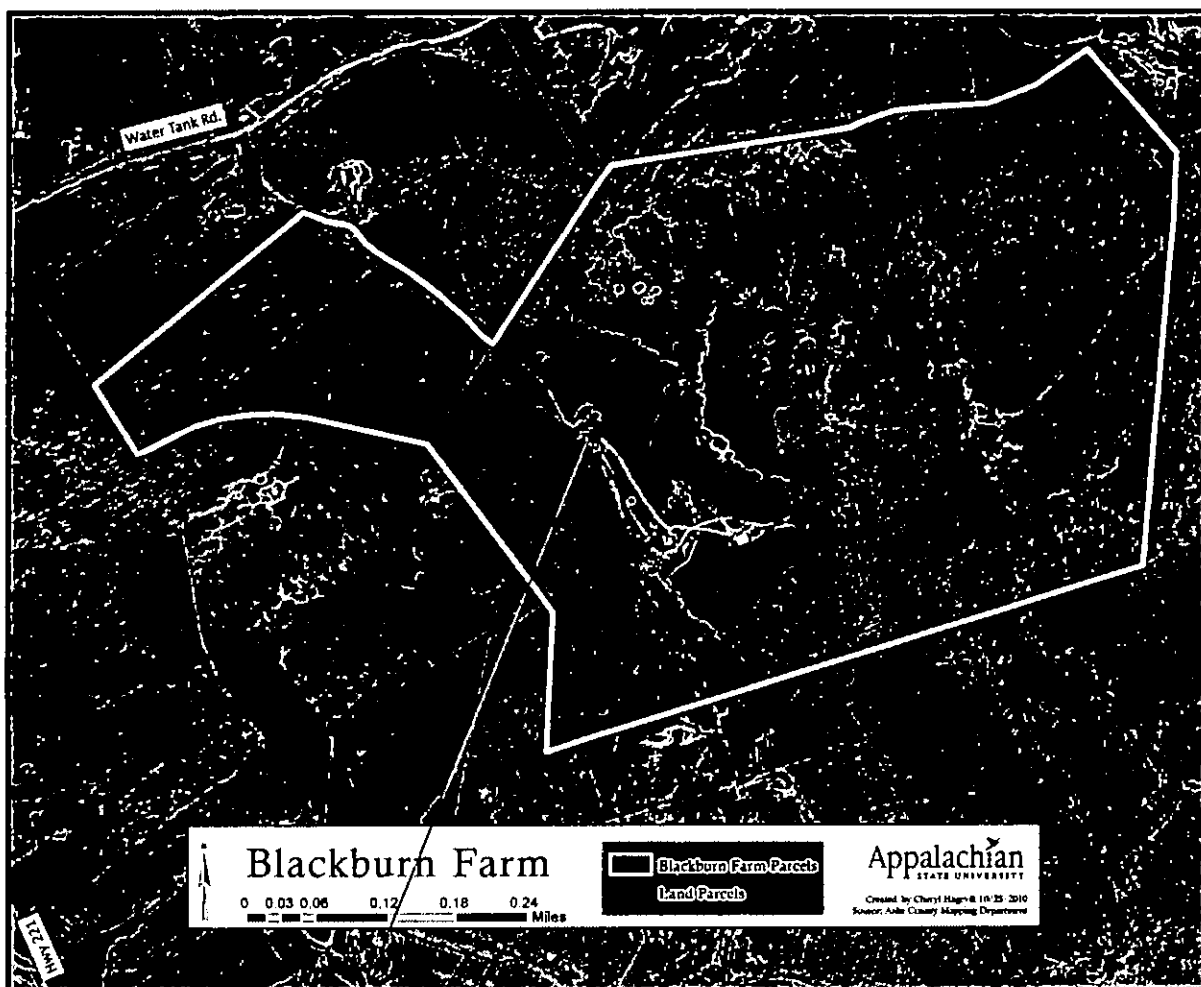
Signature of Notary Public

Kathy B. Roark

Printed name of Notary Public



My Commission expires: 6-14-14



Location of Farm House Solar
Thermal System, Roof Mounted