

STATE OF NEW HAMPSHIRE

Intra-Department Communication

DATE: April 23, 2013

AT (OFFICE): NHPUC

FROM: Barbara Bernstein *BB*
Sustainable Energy Analyst

SUBJECT: Solar Farm Bank, LLC's Certification Applications for Class II New Hampshire Renewable Energy Certificate (REC) Eligibility on Behalf of the Following Entities Pursuant to RSA 362-F to Allow Participation in the Solar Farm Bank Aggregation:

- DE 13-100 Steve Hill
- DE 13-104 George Fletcher
- DE 13-105 Christopher King
- DE 13-106 Jerry Karcher

Staff Recommends Approval

TO: Chairman Amy L. Ignatius
Commissioner Robert R. Scott
Commissioner Michael Harrington
Debra A. Howland, Executive Director and Secretary

CC: Jack K. Ruderman, Director of the Sustainable Energy Division
Suzanne Amidon, Staff Attorney



Summary

On April 10, 2013, Solar Farm Bank, LLC (Solar Farm Bank) submitted applications on behalf of New Hampshire residents Steve Hill (Hill), George Fletcher (Fletcher), Christopher King (King) and Jerry Karcher (Karcher) requesting the Commission grant approval of their photovoltaic (PV) arrays to produce Class II, Renewable Energy Certificates (RECs) pursuant to RSA 362-F, New Hampshire's Electric Renewable Portfolio Standard law.¹ Solar Farm Bank intends to aggregate the RECs produced by these facilities.²

The Commission, in a non-adjudicative process, is required to issue a determination of whether a facility meets a particular classification within 45 days of receipt of a completed application. All the above-named facilities are customer-sited sources and meet the Class II eligibility requirements under RSA 362-F:4, II. Based on review of the applications, Staff recommends that the Commission approve the Hill, Fletcher, King, and Karcher photovoltaic arrays as part of the Solar Farm Bank's Class II eligible facilities aggregation, effective April 10, 2013, the date Staff was able to determine the applications were complete.

¹ Class II eligibility requires a facility to produce electricity from solar technologies that began operation after January 1, 2006 (RSA 362-F:4, II).

² The Commission approved Solar Farm Bank as an aggregator of RECs on February 05, 2013, DE 12-343.

Analysis

To qualify as a facility eligible to produce RECs, Puc 2505.08 (b) requires the source to provide the following:

1. *The name and address of the applicant.* Solar Farm Bank submitted applications for the following applicants:

Name	Facility Address	City	State	Zip
Steve Hill	47 Coleman Drive	Newington	NH	03801
George Fletcher	271 Little Bay Road	Newington	NH	03801
Christopher King	1080 Chocorua Road	Tamworth	NH	03886
Jerry Karcher	171 Spur Road	Dover	NH	03820

2. *A complete list of the equipment used at the facility, including the meter and, if applicable, the inverter.* The following equipment was used at these facilities:

Hill		Fletcher	
Quantity	Equipment Type	Quantity	Equipment Type
20	Solar World SW245 Watt Modules	20	Solar World SW245 Watt Modules
1	Solectria PVI-5000 Inverter	1	Solectria PVI-5000 Inverter
1	GE Utility Meter CEC Approved	1	GE Utility Meter CEC Approved
0.0049	System Output (megawatts)	0.0049	System Output (megawatts)
King		Karcher	
Quantity	Equipment Type	Quantity	Equipment Type
24	Schott 220 Panels	21	Solar World SW255 Modules
1	Fronius 5100 (240V) inverter	1	Enphase M215 Inverter
1	Schulmberger Meter #28914705	1	GE Kilowatt Hour Utility Meter
0.00528	System Output (megawatts)	0.0045	System Output (megawatts)

3. *The name, license number and contact information of the installer of the applicable generation or solar heating equipment, or a statement that the equipment was installed directly by the customer.*

Hill – Installer Information		Fletcher – Installer Information	
Name	Harmony Energy Works, Inc.	Name	Harmony Energy Works, Inc.
Address	10 Gale Road	Address	10 Gale Road
City, ST, Zip	Hampton, NH 03842	City, ST, Zip	Hampton, NH 03842
License #	NABCEP #032611-147	License #	NABCEP #032611-147
King – Installer Information		Karcher – Installer Information	
Name	Chris King Electric, LLC	Name	Harmony Energy Works, Inc.
Address	1080 Chocorua Road	Address	10 Gale Road
City, ST, Zip	Tamworth, NH 03886	City, ST, Zip	Hampton, NH 03842
License #	Electrician’s License #10251M	License #	NABCEP #032611-147

4. *The name and contact information of the seller of the applicable generation or heating equipment.*

Hill – Equipment Vendor	Fletcher – Equipment Vendor
Same as installer.	Same as installer.
King – Equipment Vendor	Karcher – Equipment Vendor
Frase Electric, LLC	Same as installer.
789 Whittier Hwy, So. Tamworth, NH 03883	

5. *The name and contact information of the independent monitor of the source.* These facilities are customer-sited sources and their output must be monitored and verified by an independent monitor pursuant to Puc 2509.09. Paul Button, Energy Audits Unlimited, is identified as the independent monitor for all four facilities.³ In addition to reporting each source’s output to the Commission, Mr. Button will include the total output of these facilities in the Class II totals reported to the NEPOOL Generation Information System pursuant to Puc 2505.09(h)(3).
6. *A copy of the interconnection agreement pursuant to PUC 307.06, if applicable, between the applicant and the distribution utility.* Copies of the Simplified Process Interconnection Application & Service Agreements between each of the applicants and Public Service Company of New Hampshire were provided for each of the following applicants:

Applicant	Hill	Fletcher
Utility	Public Service Company of New Hampshire	Public Service Company of New Hampshire
Date of Electrical Inspection	August 14, 2012	September 24, 2012
Applicant	King	Karcher
Utility	Public Service Company of New Hampshire	Public Service Company of New Hampshire
Date of Electrical Inspection	April 25, 2012	November 02, 2012

7. *An attestation by the applicant that the project is installed and operating in conformance with any applicable building codes.* Affidavits, signed by Stephen Hirsh were provided for the Hill, Fletcher and Karcher facilities. An affidavit signed by Christopher King was provided for the King facility.
8. *For an installation with electric output, documentation of the applicable distribution utility’s approval of the installation.* A copy of the Certificate for Simplified Process Interconnection between each of the applicants and Public Service Company of New Hampshire was provided and includes the date of electrical inspection required for the utility’s approval of the installation.

RSA 362-F:6 requires the renewable portfolio standard program to utilize the regional generation information system (GIS) of energy certificates administered by ISO-New England. The GIS facility code assigned to the Solar Farm Bank aggregation is NON 35889.

³ The Commission granted Paul Button independent monitor status on June 06, 2010, DE 10-128.

Recommendation

Staff has reviewed Solar Farm Bank's applications for the photovoltaic arrays located at the above-named facilities and can affirm all are complete pursuant to Puc 2505.08. Staff recommends Commission approval for the Hill, King, Fletcher, and Karcher PV arrays as eligible Class II facilities to be included in the Solar Farm Bank's aggregation effective April 10, 2013, the date Staff was able to make a determination that the facilities meet the requirements for certification as Class II renewable energy sources.