

NHPUC 23OCT'13AM11:15

October 18, 2013

Ms. Debra Howland
Executive Director and Secretary
State of New Hampshire Public Utilities Commission
21 S. Fruit Street Suite 10
Concord, NH 03301-2429

Ms. Howland,

Solar Farm Bank LLC (SFB) New Hampshire Certification Code NH-II-13-O10 requests the New Hampshire Public Utilities Commission (Commission) grant its approval and certification of our account for Class II REC for the photovoltaic array of:

Mark Flanagan
34 Karen Drive
Belmont, MH 03220
Telephone # 603-566-5776
Email: Blackmuddyriver17@gmail.com

In Support of the request for Class II eligibility for the Mark Flanagan, SFB submits an original and two copies of the completed application, required documentation and supplemental supporting information.

Thank you for your consideration of SFB's request. If you have any questions or need additional information, please contact me directly.

Stephen Hirsh,

President

Solar Farm Bank LLC. 508-259-2419
Mailing address: P O Box 24 Medway, MA 02053
Office address: 205 Shaw Farm Rd Holliston, MA 01746
Solarfarmbank@gmail.com



State of New Hampshire
Public Utilities Commission



21 S. Fruit Street, Suite 10, Concord, NH 03301-2429

DRAFT APPLICATION FORM FOR

RENEWABLE ENERGY SOURCE ELIGIBILITY FOR CLASS I AND CLASS II

SOURCES WITH A CAPACITY OF 100 KILOWATTS OR LESS

Pursuant to New Hampshire Administrative Code [Puc 2500](#) Rules including Puc 2505.08, Certification of Certain Customer-Sited Sources

- Please submit one (1) original and two (2) paper copies of the completed application and cover letter* to:

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

- Send an electronic version of the completed application and the cover letter electronically to executive.director@puc.nh.gov.

* The cover letter must include complete contact information and identify the renewable energy class for which the applicant seeks eligibility. Pursuant to Puc 2505.01, the Commission is required to render a decision on an application within 45 days of receiving a completed application.

If you have any questions please contact Barbara Bernstein at (603) 271-6011 or Barbara.Bernstein@puc.nh.gov.

Check the applicable class:

Eligibility Requested for Class I Class II

Applicant Name: Mark Flanagan

Mailing Address: 34 Karen Drive

Town/City: Belmont NH 03220

Primary Contact: Mark Flanagan

Telephone: 603-566-5776

Email address: Blackmuddyriver17@gmail.com

The facility name and contact information (if different than applicant contact information).

Facility Name: _____

Mailing Address: _____

Town/City: _____ State: _____ Zip Code: _____

Primary Contact: _____

Telephone: _____ Cell: _____

Email address: _____

Provide a complete list of the equipment used at the facility, including the meter, and, if applicable, the inverter:

quantity		quantity	
27	SolarWorld 265W Panels		
1	PowerOne 6000W Inverter PVI6000-OUTD-US	1	Itron Centron Solid State Digital FM2S C1S 30TA 1.0KH ANSI 12

What is the nameplate capacity of your facility? (1) 6000W Inverter
(based on the size of the inverter(s) _____)

What was the initial date of operation? 9/5/13
*This is typically included in the interconnection agreement. Provide this documentation as **Attachment A**.*

Provide the name, license number and contact information of the installer, or indicate that the equipment was installed directly by the customer.

Installer Name: Frase Electric LLC

Installer Address: 789 Whittier Highway

License #: 4146M

Town/City: South Tamworth State: NH Zip Code: 03883

Telephone: 603-284-6618 Cell: 603-387-0873

Email address: kfrase@hughes.net

If the equipment was installed directly by the customer, please check here:

Provide the name and contact information of the equipment vendor:

Check here if the installer and the equipment vendor were one and the same.

Business Name: Same as above

Vendor's Name: _____

Business Address: _____

Town/City: _____ State: _____ Zip Code: _____

Telephone: _____ Cell: _____

Email address: _____

If an independent electrician was used, please provide the following information:

Electrician's Name: Same as above

Business Name: _____

Business Address: _____

Town/City: _____ State: _____ Zip Code: _____

License # _____

Provide the name and contact information of the independent monitor for this facility.

(A [list](#) of independent monitors is available at:

http://www.puc.nh.gov/Sustainable%20Energy/Renewable_Energy_Source_Eligibility.htm.)

Independent Monitor's Name: Paul Button

Town/City: Manchester State: NH Zip Code: 03104

Attachment D p 1

Telephone: 603-617-2469 Cell: 603-836-4402

Email address: pbutton@energy-audits-unltd.com

Provide documentation of the applicable distribution utility's approval of the installation (This is usually included in the interconnection agreement.) If this documentation is separate from the interconnection document, please provide this as **Attachment B**.

Is the facility certified under another state's renewable portfolio standard? yes _____ no X
If "yes", then provide proof of the certification as **Attachment C**.

Attachment D

*In order to qualify your facility's electrical production for Renewable Energy Certificates (RECs), you **must** register with the NEPOOL – GIS. Contact information for the GIS administrator follows:*

James Webb

Registry Administrator, APX Environmental Markets

224 Airport Parkway, Suite 600, San Jose, CA 95110

Office: 408.517.2174

jwebb@apx.com

Mr. Webb will assist you in obtaining a GIS facility code and, if applicable, an ISO-New England asset ID number.

GIS Facility Code # NON 35889 Asset ID # _____

Complete an attestation by the applicant that the project is installed and operating in conformance with any applicable state/local building codes. Use either the following attestation or provide a separate document as **Attachment D**.

AFFIDAVIT

The Undersigned applicant declares under penalty of perjury that the project is installed and operating in conformance with all applicable building codes.

Applicant's Signature  Date 10/2/13

Applicant's Printed Name Mark Flanagan

Subscribed and sworn before me this 2 Day of October (month) in the year 2013

County of CARROLL State of New Hampshire

Attachment D pg 2



Notary Public/Justice of the Peace

My Commission Expires 2/20/18

CHECK LIST: The following has been included to complete the application:	YES
• All contact information requested in the application.	X
• A copy of the interconnection agreement, nameplate capacity and date of operation (Attachment A.)	X
• Documentation of the distribution utility's approval of the installation.* (Attachment B.)	X
• If the facility is participating in another state's renewable portfolio standard (RPS) program, documentation of certification in other state's RPS. (Attachment C.)	X
• A signed and notarized attestation or Attachment D.	X
• A GIS number has been obtained.	X
• The distribution utility's approval of the installation.*	X
• The document has been printed and notarized.	X
• The original and 2 copies are included in the packet mailed to Debra Howland, Executive Director of the PUC.	X
• An electronic version of the completed application has been sent to executive.director@puc.nh.gov .	x
*Usually included in the interconnection agreement. If the interconnection agreement contains this information, attachment B is not necessary.	

PREPARER'S INFORMATION

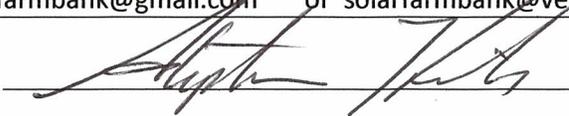
Preparer's Name: Solar Farm Bank LLC / Stephen Hirsh

Mailing Address: 205 Shaw Farm Rd

Town/City: Holliston State: MA Zip Code: 01746

Telephone: 508-893-8993 Fax 508-893-8991 Cell: 508-259-2419

Email address: Solarfarmbank@gmail.com or solarfarmbank@verizon.net

Preparer's Signature:  SFB/cep

Attachment Apg1

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA (Continued)

RECEIVED
MAY 28 2013
SESD

Simplified Process Interconnection Application and Service Agreement

Contact Information:

Date Prepared: 5/23/13

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): mark Flanagan

Contact Person, if Company: _____

Mailing Address: 34 Karen Drive

City: Belmont State: NH Zip Code: 03220

Telephone (Daytime): 603 566 5776 (Evening): _____

Facsimile Number: _____ E-Mail Address: blackmuddyriver17@gmail.com

Alternative Contact Information (e.g., system installation contractor or coordinating company, if appropriate):

Name: Fraser Electric LLC

Mailing Address: 789 Whither Hwy

City: So. Tamworth State: NH Zip Code: 03883

Telephone (Daytime): (603) 284-6618 (Evening): _____

Facsimile Number: 284-6343 E-Mail Address: Kfraser@hughes.net

Electrical Contractor Contact Information (if appropriate):

Name: Same as above

Telephone: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Facility Information:

✓ Address of Facility: 34 Karen Drive

✓ City: Belmont State: NH Zip Code: 03220

Electric Service Company: PSNH Account Number: 56002680049 Meter Number: 677045697 ✓

Electricity Supply Company: _____ Account Number: 6000-outp-us-240v Account Number: 56002680049

✓ Generator/Inverter Manufacturer: Power One - Aurora Model Name and Number: _____ Quantity: 1

Nameplate Rating: 6000 (kW) _____ (kVA) 240 (AC Volts) Single 1 or Three _____ Phase

✓ System Design Capacity: 6000 (kVA) _____ (kVA) Battery Backup: Yes _____ No ✓

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ✓ No _____

Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell Turbine Other _____

Energy Source: Solar Wind Hydro Diesel Natural Gas Fuel Oil Other _____

✓ UL 1741.1 (IEEE 1547.1) Listed? Yes ✓ No _____ External Manual Disconnect: Yes No _____

Estimated Install Date: JUNE 15, 2013 Estimated In-Service Date: JUNE 30, 13

Interconnecting Customer Signature

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the Terms and Conditions on the following page:

Customer Signature: [Signature] Title: owner Date: 5/11/13

Please attach any documentation provided by the inverter manufacturer describing the inverter's UL 1741 listing.

Approval to Install Facility (For Company use only)

Installation of the Facility is approved contingent upon the terms and conditions of this Agreement, and agreement to any system modifications, if required (Are system modifications required? Yes _____ No ✓ To be Determined _____)

Company Signature: [Signature] Title: SR. ENGINEER Date: 5/28/13

Attachment A 132

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA

Terms and Conditions for Simplified Process Interconnections

PSNH waives inspection/Witness Test: Yes No Date of inspection/Witness Test: _____ Witness Test Waived

1. **Construction of the Facility.** The Interconnecting Customer may proceed to construct the Facility in compliance with the specifications of its Application once the Approval to Install the Facility has been signed by the Company.
2. **Interconnection and operation.** The Interconnecting Customer may operate Facility and interconnect with the Company's system once the all of the following has occurred:
 - 2.1. **Municipal Inspection.** Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified by the local electrical wiring inspector with jurisdiction.
 - 2.2. **Certificate of Completion.** The Interconnecting Customer returns the Certificate of Completion to the Agreement to the Company at address noted.
 - 2.3. **Company has completed or waived the right to inspection.**
3. **Company Right of Inspection.** The Company will make every attempt within ten (10) business days after receipt of the Certificate of Completion, and upon reasonable notice and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the Interconnection Standard. The Company has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. All projects larger than 10 kVA will be witness tested, unless waived by the Company.
4. **Safe Operations and Maintenance.** The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. **Disconnection.** The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
6. **Metering and Billing.** All renewable Facilities approved under this Agreement that qualify for net metering, as approved by the Commission from time to time, and the following is necessary to implement the net metering provisions:
 - 6.1. **Interconnecting Customer Provides:** The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards. In some cases the Interconnecting Customer may be required to install a separate telephone line.
 - 6.2. **Company Installs Meter.** The Company will make every attempt to furnish and install a meter capable of net metering within ten (10) business days after receipt of the Certificate of Completion if inspection is waived, or within 10 business days after the inspection is completed, if such meter is not already in place.
7. **Indemnification.** Interconnecting Customer and Company shall each indemnify, defend and hold the other, its directors, officers, employees and agents (including, but not limited to, Affiliates and contractors and their employees), harmless from and against all liabilities, damages, losses, penalties, claims, demands, suits and proceedings of any nature whatsoever for personal injury (including death) or property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this Agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence or willful misconduct of the party seeking indemnification.
8. **Limitation of Liability.** Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
9. **Termination.** This Agreement may be terminated under the following conditions:
 - 9.1. **By Mutual Agreement.** The Parties agree in writing to terminate the Agreement.
 - 9.2. **By Interconnecting Customer.** The Interconnecting Customer may terminate this Agreement by providing written notice to Company.
 - 9.3. **By Company.** The Company may terminate this Agreement (1) if the Facility fails to operate for any consecutive 12 month period, or (2) in the event that the Facility impairs or, in the good faith judgment of the Company, may imminently impair the operation of the electric distribution system or service to other customers or materially impairs the local circuit and the Interconnecting Customer does not cure the impairment.
10. **Assignment/Transfer of Ownership of the Facility.** This Agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies the Company.
11. **Interconnection Standard.** These Terms and Conditions are pursuant to the Company's "Interconnection Standards for Inverters Sized Up to 100 kVA" for the Interconnection of Customer-Owned Generating Facilities, as approved by the Commission and as the same may be amended from time to time ("Interconnection Standard"). All defined terms set forth in these Terms and Conditions are as defined in the Interconnection Standard (see Company's website for the complete document).

Attachment B P5 1
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA (Continued)

File
RECEIVED
SEP 13 2013
SEED

Exhibit B - Certificate of Completion for Simplified Process Interconnection

Installation Information: Check if owner-installed
Customer or Company Name (print): Mark Flanagan
Contact Person, if Company: _____
Mailing Address: 34 Karen Dr.
City: Belmont State: NH Zip Code: 03220
Telephone (Daytime): 603 5665776 (Evening): _____
Facsimile Number: _____ E-Mail Address: blackmuddyriver17@gmail.com

Address of Facility (if different from above): _____
City: _____ State: _____ Zip Code: _____
Generation Vendor: Frase Electric LLC Contact Person: Kim Frase

I hereby certify that the system hardware is in compliance with Puc 900.

Vendor Signature: [Signature] Date: 8/25/13

Electrical Contractor's Name (if appropriate): Frase Electric LLC
Mailing Address: 789 Whither Hwy
City: So. Tamworth State: NH Zip Code: 03883
Telephone (Daytime): 284-6618 (Evening): 284-6618
Facsimile Number: 284-6343 E-Mail Address: Kfrase@hughes.net
License number: 4146

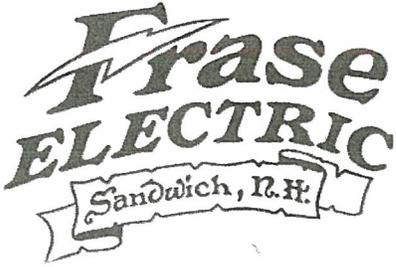
Date of approval to install Facility granted by the Company: _____ Installation Date: _____
Application ID number: _____

Inspection:
The system has been installed and inspected in compliance with the local Building/Electrical Code of
Town of Belmont
(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): [Signature]
Name (printed): STEVEN J. PAQUIN
Date: 9/5/2013

Customer Certification:
I hereby certify that, to the best of my knowledge, all the information contained in this Interconnection Notice is true and correct. This system has been installed and shall be operated in compliance with applicable electrical standards. Also, the initial start up test required by Puc 905.04 has been successfully completed.
Customer Signature: [Signature] Date: 8/25/13

Attachment B pg 2



L.L.C.



Kim Frase – NH Lic #4146
Phone – 603- 284-6618
Fax – 603-284-6343
789 Whittier Highway
South Tamworth, N.H. 03883
Email – kfrase@hughes.net
www.fraseelectric.com

September 5, 2013

JOB NAME: Mark Flanagan

To Whom It May Concern,

Frase Electric LLC has inspected the PV installation at 34 Karen Drive, Belmont, NH.

To the best of my knowledge it has been installed to meet all State and Federal Electric Codes as well as Power Company requirements.

Sincerely,



Kim Frase