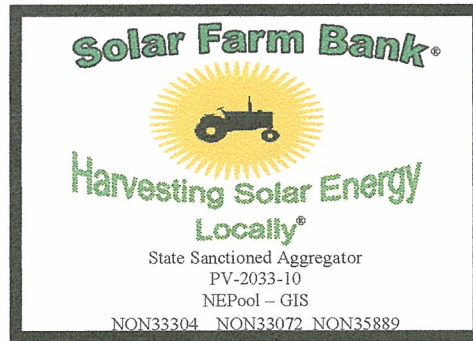
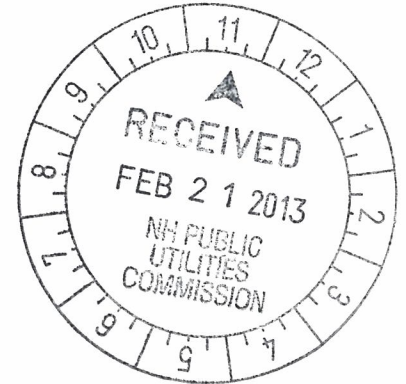


DE13-054



February 19, 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:

Tim McKinney
340 Joppa Hill Rd.
Bedford, NH 03110
Telephone: (603) 472-218
Email: joppahill@hotmail.com

In Support of the request for Class II eligibility for the Tim McKinney, 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

APPLICATION FORM FOR
**RENEWABLE ENERGY SOURCE ELIGIBILITY FOR
SOURCES WITH A CAPACITY OF 100 KILOWATTS OR LESS**

Pursuant to New Hampshire Administrative Code [Puc 2500](#) Rules and 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 class for which the applicant seeks eligibility. Pursuant to Puc 2500, the Commission is required to render a decision on an application within 45 days upon 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 ☒ Renewable Energy Certificates (RECs)

Applicant Name: Tim McKinney

Mailing Address: 340 Joppa Hill Rd

Town/City: Bedford State: NH Zip Code: 03110

Primary Contact: _____

Telephone: 603-472-2198 Cell: _____

Email address: joppahill@hotmail.com

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

36 Solar World SW255 Modules	
36 Enphase MicroInverters	
IronRidge Roof Racking (for 16)	
DPW TPM (for 20)	
Enphase Envoy Monitoring	
GE, Kilowatt Hour Utility Meter with EZ Read 100A, 120/240VAC, CEC Approved	

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

Installer Name: Harmony Energy Works Incorporated
 Installer Address: 10 Gale Rd
 License #: NABCEP PV Installer #032611-147
 Town/City: Hampton State: NH Zip Code: 03842
 Telephone: 603-926-3366 Cell: 603-512-3377
 Email address: george.horrocks@harmonyenergyworks.com

If the equipment was installed directly by the customer, please provide a statement 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: _____

Installer Name: _____

Installer's License #: _____

Business Address: _____

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

Telephone: _____ Cell: _____

Email address: _____

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

(A [list](http://www.puc.nh.gov/Sustainable%20Energy/Renewable_Energy_Source_Eligibility.htm) 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

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

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

Include a copy of the Interconnection Agreement between the applicant and the distribution utility.

*Please provide this document as **Attachment A**. ex. Unutil certificate of completion for (Standard Process) interconnection whole file(copy ok)*

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**. ex. Unutil Letter of interconnection

Provide documentation of the nameplate capacity. (This is typically included in the interconnection agreement.) If it not included in the interconnection agreement, provide this documentation as **Attachment C**. *Should be part of attachment A*

In order to qualify your facility's electrical production for 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

James 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 # Not Needed

Complete an attestation by the applicant that the project is installed and operating in conformance with any applicable building codes. Use either the following declaration or provide a separate document as ***Attachment D.*** ex. Commissioning Report and Certification of system operation

DECLARATION

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 Not needed if above supplied Date _____

Subscribed and sworn before me this _____ Day of _____ (month) in the year

County of _____ State of _____

Notary Public/Justice of the Peace

My Commission Expires _____

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 (Attachment A.)	X
• Documentation of the distribution utility's approval of the installation. (Attachment B.)*	X
• Documentation of the nameplate capacity. (Attachment C.)*	X
• A signed and notarized attestation or Attachment D.	X
• A GIS number has been requested or 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, attachments B and C are 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: 02746

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

Email address: solarfarmbank@verizon.net

Preparer's Signature:  SFB President

NOTE: This application is for interconnection of 9.18KW; however, Phase 1 will only be 4.08KW to meet the State requirements of being under 5.0KW. Phase 2, which will be installed within the next month or so, will bring the total installation to 9.18KW

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

Simplified Process Interconnection Application and Service Agreement

Contact Information

Date Prepared: 7/25/2012

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

Customer or Company Name (print): Tim McKinney

Contact Person, if Company:

Mailing Address: 340 Joppa Hill Road

City: Bedford State: New Hampshire Zip Code: 03110

Telephone (Daytime): 603-472-2198

(Evening):

Facsimile Number: E-Mail Address: joppahill@hotmail.com

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

Name: George Horrocks / Harmony Energy Works Incorporated

Mailing Address: 10 Gale Road

City: Hampton State: New Hampshire Zip Code: 03842

Telephone (Daytime): 603-926-3366 (Evening): 603-512-3377

Facsimile Number: E-Mail Address: george.horrocks@harmonyenergyworks.com

Electrical Contractor Contact Information (if appropriate):

Name: Paul Miner / Miner Electric Telephone: 603-772-6807

Mailing Address: 9 Tansey Lane

City: Stratham State: New Hampshire Zip Code: 03885

Facility Information:

Address of Facility: 340 Joppa Hill Road

City: Bedford State: New Hampshire Zip Code: 03110

Electric Service Company: PSNH Account Number: 56507141026 Meter Number: G94697154

Inverter Manufacturer: Enphase Model Name and Number: M215 Quantity: 36 (16 + 20)

Nameplate Rating: 215*36 (kW) (kVA) 240 (AC Volts) Single X or Three Phase

System Design Capacity: 216*36 (kVA) (kVA)

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

Prime Mover: Photovoltaic X Reciprocating Engine Fuel Cell Turbine Other

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

UL 1741.1 (IEEE 1547.1) Listed? Yes X No

Estimated Install Date: 7/24/2012

Estimated In-Service Date: 8/31/2012

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: Homeowner Date: 8/2/2012

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: 9-19-12

FIELD CHECKED 9/20
ALL SET

BEDFORD 360X5 P. 3/73 MAP B PH. 3 15 KVA
GREGG 8/2 - PTF

3.44KW
215X36
PHASE 1

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

RECEIVED
SEP 19 2012

BY:.....

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information:

☐ Check if owner-installed

Customer or Company Name (print): Tim & Maggie McKinney
Contact Person, if Company: Tim McKinney
Mailing Address: 340 Joppa Hill Road
City: Bedford State: NH Zip Code: 03110
Telephone (Daytime): 603-472-2198 (Evening): _____
Facsimile Number: _____ E-Mail Address: joppahill@hotmail.com

Address of Facility (if different from above): _____
City: _____ State: _____ Zip Code: _____

Generation Vendor: Harmony Energy Works Incorporated Contact Person: George Horrocks

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

Vendor Signature: _____

Date: 9/17/12

Electrical Contractor's Name (if appropriate): Paul Miner / Miner Electric
Mailing Address: 9 Tansy Lane
City: Stratham State: New Hampshire Zip Code: 03885
Telephone (Daytime): 603-772-6807 (Evening): 603-772-6807
Facsimile Number: _____ E-Mail Address: minerelectric@comcast.net
License number: 3948M

Date of approval to install Facility granted by the Company: 9/19/2012 Installation Date: 9/17/2012

Application ID number: _____

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of

Bedford, Hillsborough
(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): _____

Name (printed): WAYNE H MOORE

Date: 9-17-12

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: _____

Date: 9-17-2012



George Horrocks <george.horrocks@harmonyenergyworks.com>

#N2575 McKinney PV (Bedford) - Certificate of Completion, On Line

1 message

danielle.martineau@nu.com <danielle.martineau@nu.com>

Thu, Sep 27, 2012 at 8:52 AM

To: joppahill@hotmail.com

Cc: janet.kelliher@nu.com, michael.motta@nu.com, george.horrocks@harmonyenergyworks.com

Dear Mr. McKinney,

Thank you for the submitting the "Exhibit B - Certificate of Completion" for project #N2575 McKinney PV (Bedford) located at 340 Joppa Hill Rd, Bedford, NH. The Certificate of Completion has been reviewed and processed. Enrollment into the Net Metering program is complete and you may interconnect your project to the PSNH electrical distribution system in accordance with the *New Hampshire Code of Administrative Rules Chapter Puc 900 Net Metering For Customer-Owned Renewable Energy Generation Resources of 1000 Kilowatts or Less*, and the *Terms and Conditions for Simplified Process Interconnections*. Attached for your records is a copy of the "Certificate of Completion" and the "Simplified Process Interconnection Application and Service Agreement."

Please contact Michael D. Motta , Supplemental Energy Sources, at Michael.Motta@nu.com or by calling (603) 634-2920 should you have any questions or require additional information.

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2 attachments



#N2575 McKinney PV-Processed Application.pdf

192K



#N2575 McKinney PV-Completion Certificate.pdf

72K



Harmony
ENERGY WORKS

10 Gale Rd
Hampton, NH 03842
603-926-3366



**TIM MCKINNEY RESIDENTIAL SOLAR INSTALLATION –
COMMISSIONING REPORT & CERTIFICATION OF SYSTEM OPERATION**

I am pleased to present this Letter of Certification in regards to the 9.2KW kW - DC (STC) solar photovoltaic (PV) system installed at 340 Joppa Hill Rd, Bedford, NH. In my role and capacity as PV Project Manager for the above installation, I do hereby certify that the 9.2 kW PV system has been inspected, commissioned, and interconnected with the grid and was officially placed in service on **September 27, 2012**. The 9.2 kW PV system consists of 36 - 255W SolarWorld solar modules, 36 Enphase M215 Microinverters, a revenue-grade solar production meter and AC disconnect. All solar PV panels, inverters, and balance of system equipment are operating properly and as designed. The power output of the solar PV system is being fed into the Unitil grid as per the terms and conditions of the Unitil Standard Interconnection Agreement and *CHAPTER PUC 900 Net Metering For Customer-Owned Renewable Energy Generation Resources Of 1000 Kilowatts Or Less* of the NH Public Utility Commission (NHPUC).

Sincerely,

George Horrocks
President
Harmony Energy Works Incorporated
NABCEP PV Installer #032611-147
603-926-3366
george.horrocks@harmonyenergyworks.com