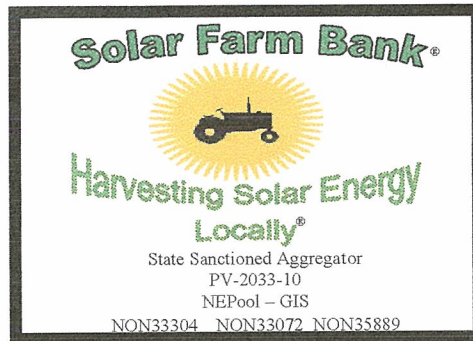


DE13-106



April 6, 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:

Jerry Karcher
171 Sur Road
Dover NH, 03820
Telephone # 603-430-0942
Email: jkarcher@hsjkcpas.com

In Support of the request for Class II eligibility for the Jerry Karcher, 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: Jerry Karcher

Mailing Address: 171 Spur Road

Town/City: Dover State: NH Zip Code: 03820

Primary Contact: Jerry Karcher

Telephone: 603-430-0942 Cell: 603-282-7238

Email address: jkarcher@hsjkcpas.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	
21	Solar World SW255 Watt Modules	1	GE Kilowatt Hour Utility meter with EZ read 100A 120/240vac, CEC Approved
1	Enphase M215 Inverters	1	Enphase Enlighten Monitoring
1	Racking (Roof Mount)		

What is the nameplate capacity of your facility? 5.355 kW(DC)
(based on the size of the inverter(s) _____

What was the initial date of operation? November 29, 2012
*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: 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: _____

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: _____

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: Paul Miner

Business Name: Miner Electric

Business Address: 9 Tany Lane

Town/City: Stratham State: NH Zip Code: 03885

License # 3941M

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

(A [list](http://www.puc.nh.gov/Sustainable%20Energy/Renewable%20Energy%20Source%20Eligibility.htm) of independent monitors is available at:

[http://www.puc.nh.gov/Sustainable%20Energy/Renewable Energy Source Eligibility.htm](http://www.puc.nh.gov/Sustainable%20Energy/Renewable%20Energy%20Source%20Eligibility.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

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 [Signature] Date 4/4/2013

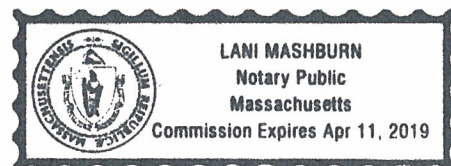
Applicant's Printed Name Stephen Hirsh

Subscribed and sworn before me this 4th Day of April (month) in the year 2013

County of Worcester State of Massachusetts

[Signature]
Notary Public/Justice of the Peace

My Commission Expires April 11 2019

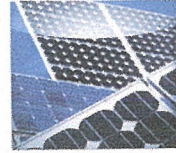


ATTACHMENT D



Harmony
ENERGY WORKS

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



JERRY KARCHER –

COMMISSIONING REPORT & CERTIFICATION OF SYSTEM OPERATION

I am pleased to present this Letter of Certification in regards to the 5.355 kW - DC (STC) solar photovoltaic (PV) system installed 171 Spur Road, Dover, NH. In my role and capacity as PV Project Manager for the above installation, I do hereby certify that the 5.355 kW PV system has been inspected, commissioned, and interconnected with the grid and was officially placed in service on November 29, 2012. The project was installed and is operating in conformance with any applicable state/local building codes. The 4.9 kW PV system consists of 21 - 255 Solar World solar modules, 21 Enphase M215 inverters, 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 PSNH grid as per the terms and conditions of the PSNH 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

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

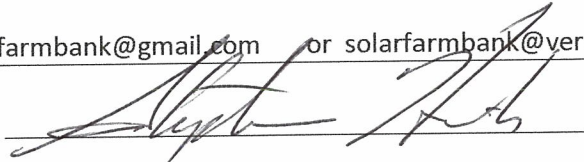
Mailing Address: 205 Shaw Farm Rd

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 president

NOTE: Phase 1 will only be 4.845 kW, or 19 modules. Phase 2, which will be installed at a later date, will add 2 more modules..

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS

ATTACHMENT A SIZED UP TO 100 KVA (Continued)

Simplified Process Interconnection Application and Service Agreement

RECEIVED
OCT 15 2012
SESD

Contact Information:

Date Prepared: October 09, 2012

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

Customer or Company Name (print): Jerry Karcher

Contact Person, if Company:

Mailing Address: 171 Spur Road

City: Dover

State: NH

Zip Code: 03820

Telephone (Daytime): (603) 430-0942

(Evening): (603) 828-7238

Facsimile Number:

E-Mail Address: jkarcher@hsjkepas.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 Tansv Lane

City: Stratham

State: New Hampshire

Zip Code: 03885

Facility Information:

Address of Facility: 171 Spur Road

City: Dover

State: NH

Zip Code: 03820

Electric Service Company: PSNH

Account Number: 56887195048

Meter Number: W76860136

Inverter Manufacturer: Enphase

Model Name and Number: M215

Quantity: 21

Nameplate Rating: .215*21 (kW) (kVA) 240 (AC Volts)

Single ☒ or Three ☐ Phase

Phase 1: 19

Phase 2: 2

System Design Capacity: .215*21 (kVA) (kVA)

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 ☐

Estimated Install Date: 10/15/2012

Estimated In-Service Date: 11/30/2012

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:

Title: Homeowner

Date: 10/9/2012

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:

Title: Sr. Engineer

Date: 10-15-12

Company waives inspection / Witness Test? Yes ☒ No ☐

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA (Continued)**Exhibit B - Certificate of Completion for Simplified Process Interconnections**Installation Information:☐ Check if owner-installed

Customer or Company Name (print): Jerry Karcher
Contact Person, if Company: _____
Mailing Address: 171 Spur Road
City: Dover State: NH Zip Code: 03820
Telephone (Daytime): (603) 430-0942 (Evening): (603) 828-7238
Facsimile Number: _____ E-Mail Address: jkarcher@ksjkepas.com

Address of Facility (if different from above): same as above
City: _____ State: _____ Zip Code: _____
Generation Vendor: Harmony Energy Works Contact Person: George Horrocks, (603) 926-3366
I hereby certify that the system hardware is in compliance with Puc 900.

Vendor Signature: George Horrocks Date: 11/21/2012

Electrical Contractor's Name (if appropriate): Paul Miner / Miner Electric
Mailing Address: 9 Tansy Lane
City: Stratham State: NH 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: 10/15/2012 Installation Date: 11/21/2012
Application ID number: #N2591

Inspection:

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

Dover, Strafford County

(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): Thomas L. Clark

Name (printed): THOMAS L. CLARK

Date: 11/21/2012

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: 11/21/12



ATTACHMENT Bpg 2

George Horrocks <george.horrocks@harmonyenergyworks.com>

Fw: #N2591 Karcher PV (Dover) - Certificate of Completion, On Line

1 message

katherine.roberge@nu.com <katherine.roberge@nu.com>

Thu, Nov 29, 2012 at 4:21 PM

To: george.horrocks@harmonyenergyworks.com, jkarcher@ksjkepas.com

Dear Mr. Karcher,

We have processed the "Exhibit B - Certificate of Completion" for project #N2591 Karcher PV (Dover) located at 171 Spur Road, Dover 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



N2591 Karcher PV Certificate of Completion.pdf

172K



N2591 Karcher PV Processed Application.pdf

212K