

REC 16-104

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Knollwood Energy of MA LLC
P.O. Box 30
Chester, New Jersey 07930

#PUC 13JAN16AM11:14

January 8, 2016

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

Dear Ms Howland,

Enclosed please find applications for 10 systems to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506.

Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion.

Electronic versions have been entered into the new online application system under batch number KN0415.

Paul Barker	Bill Haig
Darren Blood	John Hanson
Mike Blichmann	Peter and Elaine Klose
Rod Gagnon	Charlie Lovett
Zachary Gardner	Robert McDonald

Please feel free to contact me with any questions or further instructions.
Thank you for your consideration,

Linda Modica
New England REC Operations Manager
Knollwood Energy of MA LLC
973.879.7826
linda@knollwoodenergy.com

Who is submitting this request?

Aggregator

Aggregator Batch Number

KN0415

Aggregator name

Knollwood Energy

Aggregator Email

linda@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Owner Name

John Hanson

Owner Prefix

Mr.

Facility Owner email

jhl.hanson@gmail.com

Owner Phone

603-525-9466

Facility Address

10 Wallace Road

Facility Town/City

Hancock

Facility State

NH

Facility Zip

03449

Is the facility address the same as the owner's mailing address

- Yes
- No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact (who should we call with questions)

Contact Phone

Other Email Address

Facility Information

Class

Utility

Other Utility Name

Date of Utility Signoff

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON59083

Facility Operator Name, if applicable

Panel Quantity

48

Panel Make

Canadian Solar

Panel Model

CS6P

Panel Rated Output

235

System capacity based on panels

11.2800

Inverter Quantity

2

Inverter Make

Sunnyboy

Additional Inverter Make

Sunnyboy

Rated Output - Primary Inverter

5000

Rated Output - Additional Inverter

5000

System capacity based on inverters

10.00

System capacity in mW as stated on the interconnection agreement

10

Revenue Grade Meter Make

Hialeah

Meter Model

CL200

Other Meter Model

Was this facility installed directly by the customer (no electrician involved)?

- Yes
 No

Electrician Name

Choice A

Other Electrician Name

Scott Perry

Sign-off Electrician's License Number

N3200

Date of Electrician Signoff

Installation Company

Other

Other Installation Company Name

South Pack Solar

Other Inst. Company Address

68 Cunningham Pond Rd

Other Inst. Company City

Peterborough

Other Inst. Company State

NH

Other Inst. Company Zip

03458

Independent Monitor Name

Paul Button

Monitor Company Name

Energy Audits Unlimited

Monitor Company Name

Monitor Company Name

Monitor Company Name

Other Monitor Company Name

Is the installer also the equipment vendor?

- Yes
 No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

https://fs30.formsite.com/jan1947/files/f-5-99-5834254_2I7SGxbk_Hanson_SPIA.pdf

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-168-5834254_6vwWSDL8_Hanson_COC.pdf

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-5834254_oiNXqpOt_Hanson_NHOS.pdf

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.



Print Name

Linda Modica

Date Signed

01/07/2016

RECEIVED
OCT 17 2014

PSNH Project ID
N3200

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

SESD

Simplified Process Interconnection Application and Service Agreement

Date Prepared: 10/16/14

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)
Customer or Company Name (print): JOHN AND LIZ HANSON
Contact Person, if Company: _____
Mailing Address: FOREST RD
City: HANCOCK State: NH Zip Code: 03449
Telephone (Daytime): (603) 765-4542 (Evening): (603) 525-9466
Facsimile Number: _____ E-Mail Address: JLH.HANSON@gmail.com

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

Name: GREGORY BLAKE - SOUTH PACK SOLAR
Mailing Address: 68 CLAININGHAM POND RD.
City: PETERBOROUGH State: NH Zip Code: 03456
Telephone (Daytime): (603) 491-5158 (Evening): (603) 924-2089
Facsimile Number: _____ E-Mail Address: greg@southpacksolar.com

Electrical Contractor Contact Information (if appropriate):

Name: SCOTT PERRY
Mailing Address: 286 OLD JAFFERY RD.
City: PETERBOROUGH State: NH Zip Code: 03456
Telephone (Daytime): (603) 630-2014 (Evening): (603) 924-3007
Facsimile Number: _____ E-Mail Address: scperry286@gmail.com

Facility Site Information:

Facility (Site) Address: FOREST RD. ✓
City: HANCOCK State: NH Zip Code: 03449
Electric
Service Company: PSNH Account Number: 56249541061 Meter Number: 693235404 ✓

Non-Default Service Customers Only:

Competitive Electric
Energy Supply Company: _____ Account Number: _____
(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

Facility Machine Information:

Generator/
Inverter Manufacturer: SMA ✓ Model Name & Number: SUNNY BOY 5000-US ✓ Quantity: 2 ✓
Nameplate Rating: 5 (kW) 5 (kVA) (AC Volts) 240 Phase: Single Three
✓ System Design Capacity: 10 (kW) 10 (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 _____

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

Simplified Process Interconnection Application and Service Agreement

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Pac 906 Compliance Path For Inverter Units, Part Pac 906.01 Inverter Requirements)

Yes No

The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use in Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. *Please include any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.*

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be installed in accordance with "Part Pac 905 Technical Requirements For Interconnections For Facilities, Pac 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch."

Yes No

Location of External Manual Disconnect Switch: ADJACENT TO UTILITY METER

Project Estimated Install Date: 5/1/15

Project Estimated In-Service Date: 5/15/15

Interconnection 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 for Simplified Process Interconnections attached hereto:

X Customer Signature: Elizabeth Hamm Title: _____

Date: 10/13/14

Please include, a one-line and/or three-line drawing of proposed installation

For PSNH Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes No To be Determined

Company Signature: Michael Moffa

Title: Sr. Engineer

Date: 10-23-14

PSNH Application Project ID#: _____

RECEIVED

JUN 01 2015

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

SESD

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information:

Check if owner-installed

Customer or Company Name (print): John and Liz Hanson
Contact Person, if Company: _____
Mailing Address: Forest Rd.
City: Hancock State: NH Zip Code: 03449
Telephone (Daytime): 603 765-4542 (Evening): 603 585-9466
Facsimile Number: _____ E-Mail Address: JLH.HANSON@gmail.com

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

Generation Vendor: South Pack Solar Contact Person: Gregory Blake

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

Vendor Signature: [Signature] Date: 6/27/15

Electrical Contractor's Name (if appropriate): Scott Perry
Mailing Address: 286 Old Jaffrey Rd.
City: Peterborough State: NH Zip Code: 03458
Telephone (Daytime): 603 630-2014 (Evening): _____
Facsimile Number: _____ E-Mail Address: seperry286@gmail.com
License number: 9074

Date of approval to install Facility granted by the Company: 10/17/14 Installation Date: _____

Application ID number: N3200

Inspection:

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

HANCOCK, HILLSBOROUGH
(City/County)

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

Name (printed): C.D. Stevenson CHARLES D. STEVENSON

Date: 5/28/15

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: 5/28/15

New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

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A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

John Hanson

Printed Name of signature owner

John Hanson
John Hanson (Nov 24, 2015)

Signature of system owner