



REC15-097

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

March 18, 2015

NHPUC 23MAR'15pm1:48

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 the application for the Laconia Housing Authority system 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.

Customer and Facility Information

Laconia Housing Authority c/o Richard Weaver
7 Church Street
Laconia, NH 03246
603.524.2112
dick@laconiahousing.org

The Nepool GIS ID # for this facility is: NON47504. Also enclosed are the Simplified Process Interconnection Application and Service Agreement and the Certificate of Completion for Simplified Process Interconnections. An electronic version has been sent to executive.director@puc.nh.gov.

Please do not hesitate to contact me if you have any questions regarding this application.

Thank you for your consideration,

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

Enclosures (3)



State of New Hampshire Public Utilities Commission

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



DRAFT APPLICATION FORM FOR RENEWABLE ENERGY CERTIFICATE (REC) 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.

- Photovoltaic (PV) solar facilities are Class II resources. Contact Barbara.Bernstein@puc.nh.gov for assistance.

Eligibility Requested for: Class I Class II Check here if this facility part of an aggregation.

If the facility is part of an aggregation, please list the aggregator's name. Knollwood Energy of MA

- Provide the following information for the owner of the PV system.

Applicant Name Richard Weaver Email dick@laconiahousing.org

Address 25 Union Ave City Laconia State NH Zip 03246

Telephone 603.524.2112 Cell _____

- For business applicants, provide the facility name and contact information (if different than applicant contact information).

Facility Name Laconia Housing Authority Primary Contact Richard Weaver

Address 7 Church Street City Laconia State NH Zip 03246

Telephone 603.524.2112 Cell _____

Email address: dick@laconiahousing.org

- Provide a complete list of the equipment used at the facility, including the revenue grade REC meter, and, if applicable, the inverter. Your facility will not qualify for RECs without a REC meter.

equipment	quantity	Type	equipment	quantity	Type
PV panels	128	Astronenergy CHMS6610 250	other		
Inverter	3	SolarEdge SE9kw	other		
meter	1	Hialeah Vectron	other		

- A copy of the interconnection agreement and the approval to operate your PV system from your electric utility must be included with your application.
- For PSNH customers, both the *Simplified Process Interconnection Application* and *Exhibit B - Certificate of Completion* are required.

What is the nameplate capacity of your facility (found on your interconnection agreement)? 27.0 AC

What was the initial date of operation (the date your utility approved the facility)? 12/16/14

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

Installer
 Name Seacoast Energy Alternatives Contact Jack Bingham License # (if applicable) _____
 Address PO Box 738 City Barrington State: H Zip 03825
 Telephone 603.973.9798 email jack@seacoastenergy.com

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

- Provide the name and contact information of the equipment vendor.

X Check here if the installer provided the equipment and proceed to the next question.

Business Name _____ Contact _____
 Address _____ City _____ State _____ Zip _____
 Telephone _____ email _____

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

Electrician's Name _____ License # 9340M
 Business Name Ayer Electric Email ayerelectricllc@metrocast.net

Address PO Box 874 City Durham State NH Zip 03824

- **Provide the name of the independent monitor for this facility.** (A [list](http://www.puc.nh.gov/Sustainable%20Energy/Renewable_Energy_Source_Eligibility.htm) of approved independent monitors is available at http://www.puc.nh.gov/Sustainable%20Energy/Renewable_Energy_Source_Eligibility.htm.)

Independent Monitor's Name Paul Button Energy Audits Unlimited

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

• *Please note, if your facility is part of an aggregation, your aggregator should provide you with the following information.*

• *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

If you are not part of an aggregation, Mr. Webb will assist you in obtaining a GIS facility code.

GIS Facility Code # NON47504 Asset ID # NON47504

- **Complete an affidavit by the applicant or qualified installer that the project is installed and operating in conformance with any applicable state/local building codes.** Use either the following affidavit form or provide a separate document.
- **The Commission requires a notarized affidavit as part of the application.**

AFFIDAVIT

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

Applicant's Signature _____ Date _____

Applicant's Printed Name Linda Modica

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

County of _____ State of _____

Notary Public/Justice of the Peace

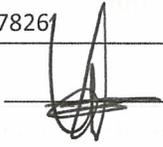
My Commission Expires _____

- Complete the following checklist. If you have questions, contact barbara.bernstein@puc.nh.gov.

CHECK LIST: The following has been included to complete the application:	YES
• All contact information has been provided.	X
• A copy of the interconnection agreement. PSNH Customers should include both <i>the Interconnection Standards for Inverters Sized up to 100 KVA</i> and <i>Exhibit B – Certification of Completion for Simplified Process Interconnection</i> .	X
• Documentation of the distribution utility’s approval of the installation.*	X
• If the facility is participating in another state’s renewable portfolio standard (RPS) program, documentation of certification in other state’s RPS.	
• A signed and notarized attestation.	X
• A GIS number obtained from the GIS Administrator.	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
<i>*Usually included in the interconnection agreement.</i>	

- If the application has been prepared by someone other than the applicant, complete the following. If the application was prepared by the applicant, check here and skip this section.

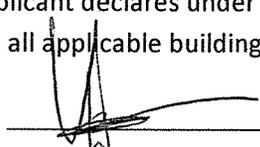
PREPARER'S INFORMATION

Preparer's Name Linda Modica Email address: linda@knollwoodenergy.com
 Address PO Box 30 City Chester State NJ Zip 07930
 Telephone 973.879.7826 Cell _____
 Preparer's Signature: 

- Complete an affidavit by the applicant or qualified installer that the project is installed and operating in conformance with any applicable state/local building codes. Use either the following affidavit form or provide a separate document.
- The Commission requires a notarized affidavit as part of the application.

AFFIDAVIT

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

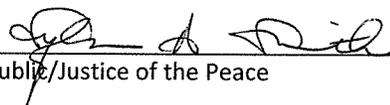
Applicant's Signature  Date 1/30/15

Applicant's Printed Name Linda Modica

Subscribed and sworn before me this 30 Day of January (month) in the year 2015

County of Morris State of New Jersey

SYLVIA A. SMITH
Notary Public
State of New Jersey
My Commission Expires Jan. 6, 2019
I.D.# 2309220


Notary Public/Justice of the Peace

My Commission Expires _____

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

PSNH Application Project ID#: _____

Contact Information:

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

Customer or Company Name (print): Laconia Housing Authority

Contact Person, if Company: Richard P Weaver

Mailing Address: 25 Union Avenue

City: Laconia State: NH Zip Code: 03246

Telephone (Daytime): 603-524-2112

(Evening): _____

Facsimile Number: _____ E-Mail Address: dick@laconiahousing.org

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

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Electrical Contractor Contact Information (if appropriate):

Name: Ayer Electric

Mailing Address: P.O. Box 1363

City: Dover State: NH Zip Code: 03820

Telephone (Daytime): 603-868-6446

(Evening): _____

Facsimile Number: _____ E-Mail Address: ayerelectricllc@metrocast.net

Facility Site Information:

Facility (Site) Address: 25 Union Ave

City: Laconia State: NH Zip Code: 03246

Electric

Service Company: PSNH Account Number: 56175916006 Meter Number: _____

Account and Meter Number: Please consult an actual PSNH electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the PSNH Work Request number.

PSNH Work Request # _____

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.)

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

Simplified Process Interconnection Application and Service Agreement

Facility Machine Information:

Generator/ Model Name &
Inverter Manufacturer: SolarEdge Number: SE9kUS Quantity: 3
Nameplate Rating: 27 (kW) 27 (kVA) 208 (AC Volts) Phase: Single Three
Nameplate Rating: The AC Nameplate rating of the individual inverter.
System Design Capacity: 9 (kW) 9 (kVA) Battery Backup: Yes No
System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.
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 _____

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)
Yes No
The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With 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 Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'
Yes No

Location of External Manual Disconnect Switch: adjacent to meter

Project Estimated Install Date: 10/15/14

Project Estimated In-Service Date: 11/15/14

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 for Simplified Process Interconnections** attached hereto:

Customer Signature: Rehd Veare Title: Executive Director Date: 10/7/14

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the PSNH meter socket. Applications without such a diagram may be returned.

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: _____ Title: _____ Date: _____

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): Tavern Inn Housing Partnership c/o Laconia Housing Authority

Contact Person, if Company: Richard p Weaver

Mailing Address: 25 Union Ave

City: Laconia State: NH Zip Code: 03246

Telephone (Daytime): 603-524-2112 (Evening): _____

Facsimile Number: _____ E-Mail Address: dick@laconiahousing.org

Address of Facility (if different from above): 7 Church Street

City: Laconia State: NH Zip Code: 03246

Generation Vendor: Seacoast Energy Alt Contact Person: Jack Bingham

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

Vendor Signature: _____

Date: _____

Electrical Contractor's Name (if appropriate): Ayer Electric

Mailing Address: P.O. Box 874

City: Durham State: NH Zip Code: 03824

Telephone (Daytime): (603) 868-6446 (Evening): _____

Facsimile Number: _____ E-Mail Address: ayerelectricllc@metrocast.net

License number: 9340M

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

Application ID number: N3188

Inspection:

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

Laconia, NH

(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): S. McCusker

Name (printed): STEVEN MCCUSKER

Date: 12.16.14

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: Michael P. Welcome

Date: 12/16/14