



REC 15-394

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

September 17, 2015

NHPUC 21SEP15PM3:45

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 Highland Hardwoods 1 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

Family First of Brentwood NH/Highland Hardwoods 1  
408 Rt 125  
Brentwood, NH 03833

Mailing Address:

Anne Holliday  
222 International Dr, Suite 160  
Portsmouth, NH 03801  
anne@annehollidaycpa.com  
603-431-3322

---

The new Nepool GIS ID # for this facility is: NON 54552. Also enclosed are the Simplified Process Interconnection Application and Service Agreement, Certificate of Completion and NH Owner Statements. An electronic version has been sent to [executive.director@puc.nh.gov](mailto:executive.director@puc.nh.gov).

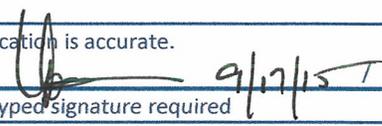
Please do not hesitate to contact me if you have any questions regarding this application.

Thank you for your consideration,

Linda Modica  
New England REC Operations Manager  
**Knollwood Energy of MA LLC**  
973.879.7826  
[linda@knollwoodenergy.com](mailto:linda@knollwoodenergy.com)

Enclosures (3)

<b>New Hampshire Public Utilities Commission</b>		<b>This section for PUC use only:</b>			
		<b>REC#</b>			
<b>Draft Class I or II REC Eligibility Application For Solar Customer-Sited Sources 100 Kilowatts Or Less</b>					
1. Class I <input type="checkbox"/>	Class II <input checked="" type="checkbox"/>	<b>GIS Facility Code</b>	<b>NON 54552</b>	2. This facility is part of an aggregation.	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
		<i>GIS contact info is provided below</i>			
3. If yes to #2., the facility is part of the Knollwood Energy of MA, LLC aggregation.					
<i>To qualify as a REC eligible facility, PUC 2505.02 (b) requires the source to provide the following information:</i>					
<b>Contact Information</b>					
	<b>Name</b>	<b>Address</b>	<b>City</b>	<b>State</b>	<b>ZIP</b>
<b>Facility Owner</b>	Family First of Brentwood NH	408 Rte 125	Brentwood	NH	03883
<b>Phone 1</b>	603-431-3322	<b>Phone 2</b>	<b>Email</b>	anne@annehollidaycpa.com	
<b>Facility Location</b>	<i>(if facility is named)</i>		<i>(if different than owner address)</i>		
<b>Mailing Address</b>	<i>(if different than owner address and/or facility location)</i>				
	Anne Holliday, CPA	22 International Dr. Suite 160	Portsmouth	NH	03801
<b>Application filed by:</b>	<i>(if different than facility owner)</i>				
<b>Business Name</b>	Knollwood Energy of MA	PO Box 30	Chester	NJ	07930
<b>Contact</b>	Linda Modica				
<b>Phone 1</b>	(908) 879-7826	<b>Phone 2</b>	<b>Email</b>	linda@knollwoodenergy.com	
<b>Facility Operator</b>	<i>(complete only if a separate operator manages the facility)</i>				
<b>Phone 1</b>		<b>Phone 2</b>	<b>Email</b>		
<b>Installer Company</b>	Seacoast Energy	290 Scruton Pond Road	Barrington	NH	03825
<b>Installer Contact</b>	Jack Bingham				
<b>Phone 1</b>	603-973-9798	<b>Phone 2</b>	<b>Email</b>	jack@seacoastenergy.com	
<b>Electrician</b>	Ayer Electric	.PO Box 874	Durham	NH	03824
<b>Phone 1</b>		<b>License #</b>	9340M	<b>Email</b>	ayerelectricllc@metrocast.net
<b>Equipment Vendor</b>	<i>(if not provided through the installer)</i>				
<b>Phone 1</b>		<b>Phone 2</b>	<b>Email</b>		
<b>Independent Monitor (IM) Name</b>	Paul Button			<i>To obtain a GIS Facility Code contact James Webb, Registry Administrator 408.517.2174, jwebb@apx.com</i>	
<b>IM Company Name</b>	Energy Audits Unlimited				
<b>Equipment Information</b>					
	<b>Manufacturer</b>	<b>Quantity</b>	<b>Model # (if available)</b>	<b>Rated Output/unit</b>	<b>Total Rated Capacity</b>
<b>Panels</b>	Astronergy	238	CHSM6610-OR 255	.255	60.7 (DC)
<b>Inverter(s)</b>	Solar Edge	3	SE20.US 480	20.0	60.0 (AC)
<b>Meter</b>	Hialeah	KV2CE FM 16S 200A-480V	<b>Utility Project ID #</b>	<b>Initial date of operation</b>	<i>(mm/dd/year)</i>
					<b>7/10/15</b>
<b>To be completed by the owner. Aggregators may include the owner sign-off via email or letter. (PLEASE SEE ATTACHED.....)</b>					
<input type="checkbox"/> I agree	The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate.				
The project described in this application will meet the metering requirements of Puc 2506 including:					
<input type="checkbox"/> I agree	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 IM, or a designated representative.				
<input type="checkbox"/> I agree	A revenue quality meter is used to measure the electricity generated.				
<input type="checkbox"/> I agree	The facility owner has certified to the IM that the meter operates according to manufacturing standards.				
<input type="checkbox"/> I agree	The meter shall be maintained according to the manufacturer's recommendations.				

<input type="checkbox"/>	
I agree	The project is installed and operating in conformance with applicable building codes.
<input type="checkbox"/>	
included	A copy of the facility's interconnection agreement is attached.
X	
The Undersigned declares under penalty of perjury that the information provided on this application is accurate.	
 9/17/15 Typed signature required	
Contact Barbara Bernstein at <a href="mailto:Barbara.bernstein@puc.nh.gov">Barbara.bernstein@puc.nh.gov</a> or 603-271-6011 with questions and comments.	

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:

AEH  
AEH

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.

AEH  
AEH

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

AEH  
AEH

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

AEH  
AEH

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

AEH  
AEH

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

AEH  
AEH

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

Anne Holliday

\_\_\_\_\_  
Printed Name of signature owner

Anne Holliday  
Anne Holliday (Sep 11, 2015)

\_\_\_\_\_  
Signature of system owner

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): Family First of Brentwood NH

Contact Person, if Company: Anne Holliday

Mailing Address: P.O. Box 717

City: Kingston State: NH Zip Code: 03848

Telephone (Daytime): 603-431-3322 (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: anne@annehollidaycpa.com

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

Name: Jack Bingham Seacoast Energy Alternatives

Mailing Address: P.O. Box 738

City: Barrington State: NH Zip Code: 03825

Telephone (Daytime): 603-973-9798 (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: jack@seacoastenergy.com

**Electrical Contractor Contact Information** (if appropriate):

Name: David Ayer 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

**Facility Site Information:**

Facility (Site) Address: Highland Hardwoods 407 Route 125

City: Brentwood State: NH Zip Code: 03833

Electric

Service Company: PSNH Account Number: 913701000 Meter Number: 75656490

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.)



408 HHI

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: SEKUS SE10000A Quantity: 5  
Nameplate Rating: 10950 (kW) \_\_\_\_\_ (kVA) 240 (AC Volts) Phase: Single  Three   
*Nameplate Rating: The AC Nameplate rating of the individual inverter.*  
System Design Capacity: 6069 (kW) 50.4 (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: TBD

Project Estimated Install Date: 3/15/15 Project Estimated In-Service Date: 5/01/15

**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: [Signature] Title: Manager, Monitor Date: 12/3/14

*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**

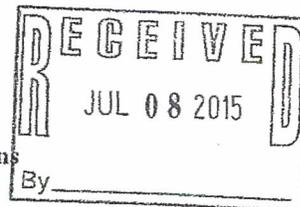
Approval to Install Facility:

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: \_\_\_\_\_

Eversource  
Interconnection Standards For Inverters Sized Up To 100 kVA  
Exhibit B - Certificate of Completion for Simplified Process Interconnections



**Installation Information:**  Check if owner-installed  
Customer or Company Name (print): Family First of Brentwood NH  
Contact Person, if Company: Anne Holliday  
Mailing Address: P.O. Box 717  
City: Brentwood State: NH Zip Code: 03848  
Telephone (Daytime): 603-431-3322 (Evening): \_\_\_\_\_  
Facsimile Number: 603-430-9621 E-Mail Address: anne@annehollidaycpa.com

**Facility Information:** → Eversource Meter # \_\_\_\_\_  
Address of Facility (if different from above): 407 Rte 125  
City: Brentwood State: NH Zip Code: 03833

**Electrical Contractor Contact Information:**  
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: 1/15/15  
Eversource Application ID number: #N 3292

**Inspection:**  
The system has been installed and inspected in compliance with the local Building/Electrical Code of:  
City: Brentwood County: Rockingham  
Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):  
Signature: [Signature] Building Inspector 6/19/15  
Name (printed): Kip Kaiser Date: 7/1/2015

**Customer Certification:**  
I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B - Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.  
Please remember to provide digital photos of the installation, including the AC disconnect switch (if required), the existing Eversource meter, the inverters, and the point of electrical interconnection.  
Customer Signature: [Signature]

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource  
Distributed Generation  
780 North Commercial Street  
P. O. Box 330, Manchester, NH 03105-0330  
Fax No.: (603) 634-2924