



REC 15-389

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

NH-PUC 11SEP15PM8:00

September 1, 2015

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 McCulloch 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 (including new requirements 2506.01 and PUC 2506.02)

Customer and Facility Information

Kevin McCulloch
118 Hutchinson Rd
Chichester NH 03258
lcMcCulloch@comcast.net
603-496-5431

The Nepool GIS ID # for this facility is: NON53304. Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion. 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 Kevin McCulloch Email lmcculloch@comcast.net

Address 118 Hutchinson Rd City Chichester State NH Zip 03258

Telephone 603-496-5431 Cell _____

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

Facility Name _____ Primary Contact _____

Address _____ City _____ State _____ Zip _____

Telephone _____ Cell _____

Email address: _____

- 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	48	SunEdisonF270	other		
Inverter	48	Enphase M215	other		
meter	1	CL200 204V 3W	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)? 10.32 AC

What was the initial date of operation (the date your utility approved the facility)? 5/6/15

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

Installer Name SunRay Solar Contact Michael Fay License # (if applicable) N/A

Address 124A Hall St City Concord State: H Zip 03301

Telephone (603) 225-6001 email michael@spreadthesunshine.net

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 Brian Pare License # 12245M

Business Name SunRay Solar, LLC Email Brian@SpreadTheSunshine.com

Address 124A Hall St City Concord State NH Zip 03301

- **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 # NON53304 **Asset ID #** NON53304

- **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 _____

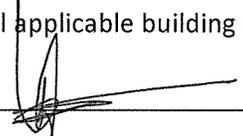
County of _____ State of _____

Notary Public/Justice of the Peace

- 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

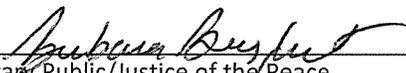
The Undersigned applicant declares under penalty of perjury that the project is installed and operating in conformance with all applicable building codes.

Applicant's Signature  Date 9/9/15

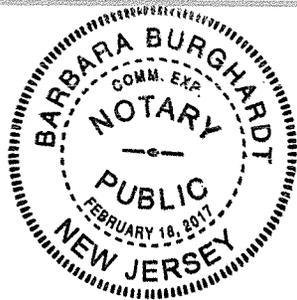
Applicant's Printed Name Linda Modica

Subscribed and sworn before me this 9 Day of September (month) in the year 2015

County of Morris State of New Jersey


Notary Public/Justice of the Peace

My Commission Expires 2/16/17



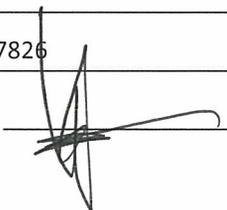
My Commission Expires _____

- 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: 

110#893



UNITIL ENERGY SYSTEMS, INC.
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA (Continued)

Simplified Process Interconnection Application and Service Agreement

Contact Information: Date Prepared: 03/13/2015
Legal Name and address of Interconnecting Customer (or, Company name, if appropriate)
Customer Name (print): Kevin McCulloch Contact Person, if Company: _____
Mailing Address: 118 Hutchinson Road
City: Chichester State: NH Zip Code: 03258
Telephone (Daytime): 603-496-5431 (Evening): _____
Facsimile Number: _____ E-Mail Address: kcmcullock@comcast.net

Alternative Contact Information (e.g., system installation contractor or coordinating company, if appropriate):
Name: SunRay Solar, LLC
Mailing Address: 124A Hall Street
City: Concord State: NH Zip Code: 03301
Telephone (Daytime): 603-225-6001 (Evening): _____
Facsimile Number: _____ E-Mail Address: _____

Electrical Contractor Contact Information (if appropriate):
Name: SunRay Solar, LLC Telephone: 603-225-6001
Mailing Address: 124A Hall Street
City: Concord State: NH Zip Code: 03301

Facility Information:
Address of Facility: 118 Hutchinson Road
City: Chichester State: NH Zip Code: 03258
Electric Service Company: Unitil Account Number: 1-37093-10605-98 Meter Number: 455092
Inverter Manufacturer: Enphase Model Name and Number: M215 Quantity: 48
Nameplate Rating: 215 (kW) _____ (kVA) 240 (AC Volts) Single or Three _____ Phase
System Design Capacity: 11.52 (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: April Estimated In-Service Date: April

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:
Interconnecting Customer Signature: [Signature] Title: owner Date: 3-13-15

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: _____ Date: _____
Company waives inspection/Witness Test? Yes ___ No ___



May 7, 2015

Kevin McCulloch
118 Hutchinson Rd.
Chichester, NH 03258

Dear Kevin:

This letter is to notify you that we have tested your generator (Solar PV) and the inverter system at the following address: 118 Hutchinson Rd., Chichester, NH

We have replaced your standard meter with a "Net Meter" and you are now authorized to energize your generator and interconnect to the Unitil electric system.

Please, do not hesitate to contact me if you have any further questions or comments.

Warmest regards,

Valerie Weinand

Valerie Weinand
Program Specialist
Customer Energy Solutions



325 West Road
Portsmouth, NH 03801

T 603.294.5137 F 603.294.5237 E weinand@unitil.com

www.unitil.com