



DE 14-080

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

March 20, 2014

NHPUC 24MAR14PM2:13

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 Dan Watts 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

Dan Watts
530 Newmarket Rd.
Warner, NH 03278
603-456-2041
dwatts@dimentech.com

The Nepool GIS ID # for this facility is: NON39487. Also enclosed are the Simplified Process Interconnection Application and Service Agreement and 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,

Alane Lakritz

Alane Lakritz
President
Knollwood Energy of MA LLC
862-432-0259
908-955-0593 (fax)
Alane@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 Dan Watts Email dwatts@dimentech.com

Address 530 Newmarket Rd. City Warner State NH Zip 03278

Telephone 603-456-2041 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	30	Evergreen ES-AES-A-205 FA3	other		
Inverter	2	SunnyBoy 3000	other		
meter	1	GE CL200	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)? 6.15

What was the initial date of operation (the date your utility approved the facility)? 9/21/2009

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

Installer
 Name GroSolar Contact Rod Viens License # (if applicable) _____
 Address 205 Billings Farm Rd Building 4 City White River Junction State: V T Zip 05001
 Telephone 802.295.4415 email info@grosolar.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 Simon Bradford License # 12438M
 Business Name Mid VT Electric Email _____
 Address PO Box 130 City South Royalton State VT Zip 05068

- 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

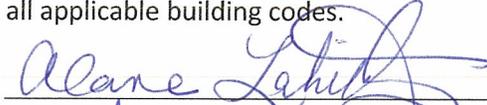
If you are not part of an aggregation, Mr. Webb will assist you in obtaining a GIS facility code.

GIS Facility Code # NON39487 Asset ID # NON39487

- 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

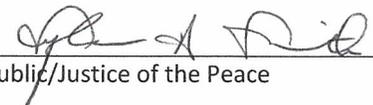
The Undersigned applicant declares under penalty of perjury that the project is installed and operating in conformance with all applicable building codes.

Applicant's Signature  Date 3/18/14

Applicant's Printed Name Alane Lakrif

Subscribed and sworn before me this 18 Day of MARCH (month) in the year 2014

County of MORRIS State of NJ


 Notary Public/Justice of the Peace

My Commission Expires _____

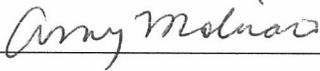
- Complete the following checklist. If you have questions, contact barbara.bernstein@puc.nh.gov.

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

CHECK LIST: The following has been included to complete the application:	YES
• All contact information has been provided.	
• 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> .	
• Documentation of the distribution utility's approval of the installation.*	
• 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.	
• A GIS number obtained from the GIS Administrator.	
• The document has been printed and notarized.	
• The original and 2 copies are included in the packet mailed to Debra Howland, Executive Director of the PUC.	
• An electronic version of the completed application has been sent to executive.director@puc.nh.gov .	
*Usually included in the interconnection agreement.	

- **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 Amy Molinaro Email address: amy@knollwoodenergy.com
 Address PO Box 30 City Chester State NJ Zip 07930
 Telephone 862-432-5908 Cell _____
 Preparer's Signature: 

#N2096
Watts PV

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information:

Check if owner-installed

Customer or Company Name (print): Mary Watts Contact Person, if Company: _____
Mailing Address: 530 Newmarket Road
City: Warner State: NH Zip Code: 03278
Telephone (Daytime): 603-456-2091 (Evening): Same
Facsimile Number: NA E-Mail Address: dwatts@dimontech.com

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

Electrical Contractor's Name (if appropriate): Mid-VT Electric - Simon Bradford
Mailing Address: PO Box 130
City: South Royalton State: VT Zip Code: 05068
Telephone (Daytime): 802-763-2448 (Evening): Same
Facsimile Number: NA E-Mail Address: NA
License number: 12938 M

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

Application ID number: NH N2096

Inspection:

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

Warner, NH
(City/County)

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

Name (printed): Simon Bradford

Date: 9/21/09

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

Company: Public Service Company of New Hampshire
Name: Supplemental Energy Sources Department
Mail 1: 780 North Commercial Street
Mail 2: P. O. Box 330
City, State ZIP: Manchester, NH 03105-0330
Fax No.: (603) 634-2449

place on net metering 9/22/09

Mike Fr

NOTED SEP 22 2009 MFF

#N2096
WATTS PV

Simplified Process Interconnection Application and Service Agreement

Contact Information:

Date Prepared: _____

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

Customer or Company Name (print): Mary Watts Contact Person, if Company: _____

Mailing Address: 530 Newmarket Road

City: Warner State: NH Zip Code: 03278-9111

Telephone (Daytime): 603-456-2041 (Evening): Same

Facsimile Number: NA E-Mail Address: dwatts@di.mentech.com

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

Name: gr.Solar

Mailing Address: 601 Old River Road, Ste 3

City: White River Junction State: VT Zip Code: 05001

Telephone (Daytime): 800-374-9999 (Evening): Same

Facsimile Number: 802-295-4417 E-Mail Address: tressy.manning@gr.Solar.com

Electrical Contractor Contact Information (if appropriate):

Name: Mid-VT Electric - Simon Bradford Telephone: 802-703-2998

Mailing Address: PO Box 130

City: South Raynton State: VT Zip Code: 05068

Facility Information:

Address of Facility: 530 Newmarket Road

City: Warner State: NH Zip Code: 03278

Electric Service Company: PSNH Account Number: 56363591012 Meter Number: W67500717

Inverter Manufacturer: First Solar ~~First Solar~~ MOTEC Model Name and Number: TC610 5300 Quantity: 1

Nameplate Rating: 5.1 (kW) _____ (kVA) 240 (AC Volts) Single or Three _____ Phase

System Design Capacity: 9.92 (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: September 2009 Estimated In-Service Date: September 2009

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: Mary Watts Title: _____ Date: 08/27/2009

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: Mark Fran Title: Sr. Eng. Date: 8/27/09

Company waives inspection/Witness Test? Yes No _____

* AMENDED 9/10/09 => NEW INVERTER
MOTEC PV MATE 9/10/09

Approved Mark Fran PSNH

I have inspected the PV system installed in September 2009 by groSolar, White river Junction, VT at the residence of Daniel Watts at 530 Newmarket Rd in Warner, NH and certify that it meets applicable electric codes.

Signed: Simon Bradford Date: 9/21/09

Simon Bradford, NH License Number 12438M

Mid-VT Electric, Inc.

South Royalton, VT 05068

NOTED SEP 22 2009 MFF

After reviewing my paperwork this past month while working with Knollwood Energy and Paul Button, I discovered that I don't have an updated COC from when GroSolar replaced the Motech 5300 inverter with a pair of Sunny Boy 3000 inverters. This change was done on 4/15/2010. They made the change because the Motech inverter was undersized for the 6.15kW system and the inverter was going into an error state at mid day every day when the power was peaking at about 6kW. I don't know if GroSolar filled out an updated COC or if they needed to.

Dan

Dan Watts Project

Wed 3/12/2014 6:12 PM

From: Rod Viens

To: Amy@knollwoodenergy.com

- [Message](#)

- [Attachments](#) 1

- Hi Amy,

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- I am responding to your email below to groSolar regarding the system for Dan Watts. We originally installed (24) Evergreen ES-A-205 FA3 panels for a total system size of 4.92kW, six months later we added on to the system (6) additional panels (same), for a cumulative system size of 6.15kW on a Motech 5300 inverter. I do not have the meter brand or model but I am sure the customer can read that on the front of the meter. Let me know if you have any questions.

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- Sincerely,

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- **Rod Viens**
Executive Vice President - Operations

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205 Billings Farm Road, Bldg 4 9175 Guilford Road, Suite 202
White River Junction VT 05001 Columbia, MD 21046
Direct: 802.359.6520 | Main: 800.374.4494 | Cell: 802.299.5668

- rod.viens@grosolar.com www.grosolar.com