

DE 14-009



BERLIN WATER WORKS

OFFICE OF THE WATER COMMISSION
55 Willow Street, Berlin, NH

PLEASE ADDRESS REPLY TO:
55 Willow Street
Berlin, NH 03570-1883
Tel: 603-752-1677
Fax: 603-752-3055

NHPUC 10 JAN 14 PM 12:33

January 8, 2014

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

RE: Draft Application for
Renewable Energy Source Eligibility
for Class II

Dear Ms. Howland:

We have enclosed a copy of the Draft Application for Renewable Energy Source Eligibility for Class II.

We will be aggregating the RECs through Revolution Energy Aggregation, LLC. The GIS Facility Code is 15299.

If you need further information, you may call us at 752-1677.

Sincerely,

A handwritten signature in black ink that reads "Roland Viens".

Roland L. Viens
Superintendent

RLV:db

Enc.



State of New Hampshire
Public Utilities Commission



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

**DRAFT APPLICATION FORM FOR
RENEWABLE ENERGY SOURCE 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.

Check the applicable class:

Eligibility Requested for Class I Class II

Applicant Name: City of Berlin Water Works
Mailing Address: 55 Willow Street
Town/City: Berlin, State: NH Zip Code: 03570
Primary Contact: Roland Viens- Superintendent
Telephone: 603-752-1677 Cell: 603-325-2763
Email address: supt@bwwberlinnh.org

The facility name and contact information (if different than applicant contact information).

Facility Name: _____
Mailing Address: _____
Town/City: _____ State: _____ Zip Code: _____
Primary Contact: _____
Telephone: _____ Cell: _____
Email address: _____

Provide a complete list of the equipment used at the facility, including the meter, and, if applicable, the inverter:

quantity		quantity	
90	Enphase M215 Microinverters		
1	Meter #82-658-425		
90	XMage Powertec Plux 250/6 MNCS		

What is the nameplate capacity of your facility?
(based on the size of the inverter(s)) 22.5 kw

What was the initial date of operation? November 27, 2012

*This is typically included in the interconnection agreement. Provide this documentation as **Attachment A**.*

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

Installer Name: Smart Energy of New England Inc.

Installer Address: PO Box 56

License #: 10774M (Rodney Smith)

Town/City: Colebrook State: NH Zip Code: 03576

Telephone: 603-496-3504 Cell: _____

Email address: david@smartenergyne.com

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

Provide the name and contact information of the equipment vendor:

Check here if the installer and the equipment vendor were one and the same.

Business Name: _____
Vendor's Name: _____
Business Address: _____
Town/City: _____ State: _____ Zip Code: _____
Telephone: _____ Cell: _____
Email address: _____

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

Electrician's Name: _____
Business Name: _____
Business Address: _____
Town/City: _____ State: _____ Zip Code: _____
License # _____

Provide the name and contact information of the independent monitor for this facility.

(A list of independent monitors is available at:
http://www.puc.nh.gov/Sustainable%20Energy/Renewable_Energy_Source_Eligibility.htm.)

Independent Monitor's Name: Paul Button - EAU NH
Town/City: Manchester State: NH Zip Code: 03102
Telephone: 603-617-2469 Cell: 603-836-4402
Email address: save@energy-audits-unltd.com

Provide documentation of the applicable distribution utility's approval of the installation (This is usually included in the interconnection agreement.) If this documentation is separate from the interconnection document, please provide this as **Attachment B**.

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

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

Mr. Webb will assist you in obtaining a GIS facility code and, if applicable, an ISO-New England asset ID number.

GIS Facility Code # 15299 Asset ID # _____

Complete an attestation by the applicant that the project is installed and operating in conformance with any applicable state/local building codes. Use either the following attestation or provide a separate document as **Attachment D**.

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 *Roland Viens* Date 1/8/14

Applicant's Printed Name Roland Viens

Subscribed and sworn before me this 8th Day of Jan. (month) in the year 2014

County of Coos State of New Hampshire

Debra M. Page
Notary Public/Justice of the Peace

My Commission Expires 3/14/2014
DEBRA M. PAGE, Notary Public
My Commission Expires March 4, 2014

CHECK LIST: The following has been included to complete the application:	YES
• All contact information requested in the application.	YES
• A copy of the interconnection agreement, nameplate capacity and date of operation <i>(Attachment A.)</i>	YES
• Documentation of the distribution utility's approval of the installation.* <i>(Attachment B.)</i>	
• If the facility is participating in another state's renewable portfolio standard (RPS) program, documentation of certification in other state's RPS. <i>(Attachment C.)</i>	
• A signed and notarized attestation or <i>Attachment D.</i>	YES
• A GIS number has been obtained.	YES
• The distribution utility's approval of the installation.*	
• The document has been printed and notarized.	YES
• The original and 2 copies are included in the packet mailed to Debra Howland, Executive Director of the PUC.	YES
• An electronic version of the completed application has been sent to executive.director@puc.nh.gov .	
<i>*Usually included in the interconnection agreement. If the interconnection agreement contains this information, attachment B is not necessary.</i>	

PREPARER'S INFORMATION

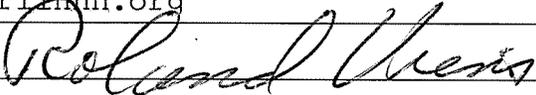
Preparer's Name: Roland Viens

Mailing Address: 55 Willow Street

Town/City: Berlin State: NH Zip Code: 03570

Telephone: (603) 752-1677 Cell: (603) 325-2763

Email address: supt@bwwberlinnh.org

Preparer's Signature: 

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NOV 14 2012
SESD

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

Simplified Process Interconnection Application and Service Agreement

Contact Information: Date Prepared: 11/8/2012

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate):
 Customer or Company Name (print): Berlin Water Works

Contact Person, If Company: _____
 Mailing Address: 55 Willow st
 City: Berlin State: NH Zip Code: 03570
 Telephone (Daytime): 603-752-1677 (Evening): _____
 Facsimile Number: _____ E-Mail Address: bww@ncia.net

Alternative Contact Information (e.g., system installation contractor or coordinating company, if appropriate):
 Name: Smart Energy of New England INC
 Mailing Address: PO Box 56
 City: Colebrook State: NH Zip Code: 03576
 Telephone (Daytime): 603-496-3504 (Evening): _____
 Facsimile Number: 603-386-0242 E-Mail Address: david@smartenergyne.com

Electrical Contractor Contact Information (if appropriate):
 Name: S & S Electric Telephone: 603-245-8698
 Mailing Address: 241 US Rt 3
 City: Stewarstown State: NH Zip Code: 03576

Facility Information:
 Address of Facility: Same
 City: _____ State: _____ Zip Code: _____

Electric Service Company: PSNH Account Number: 50366006090 Meter Number: 82 658 425

Electricity Supply Company: PSNH Account Number: 11215-60-222

Generator/Inverter Manufacturer: Enphase Model Name and Number: M215 Quantity: 54

Nameplate Rating: 215 (kW) 208 (kVA) (AC Volt) Single or Three Phase

System Design Capacity: 22.5 (kVA) (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 _____

UL 1741.1 (IEEE 1847.1) Listed? Yes No External Manual Disconnect: No

Estimated Install Date: Nov 2012 Estimated In-Service Date: Nov 2012

✓
D82658425

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 on the following page.
 Customer Signature: Steven J. Tephart Title: Foreman Date: 11-9-12
 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: Michael Moffa Title: SR. ENGINEER Date: 11-19-12

EXTERNAL AC DISCONNECT SWITCH REQUIRED, IN ACCORDANCE WITH NHPIC 905, DISCONNECT SWITCH SHALL BE LOCATED AT A LOCATION MUTUALLY AGREED TO BY PSNH AND CUSTOMER GENERATOR. PLEASE CALL TO DISCUSS.

RECEIVED
NOV 29 2012

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

BY:.....

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information: Check if owner-installed
Customer or Company Name (print): Berlin Water Works
Contact Person, if Company: Roland L Vien
Mailing Address: 55 willow st
City: Berlin State: NH Zip Code: 03570
Telephone (Daytime): 603-752-1677 (Evening):
Facsimile Number: E-Mail Address: BWW@NCLIA.NET

Address of Facility (if different from above): SAME
City: State: Zip Code:
Generation Vendor: SMART ENERGY of NE Contact Person: David Belanger
I hereby certify that the system hardware is in compliance with Puc 900.

Vendor Signature: [Signature] Date: 11-27-2012

Electrical Contractor's Name (if appropriate): SMART ENERGY of New England inc
Mailing Address: PO Box 56
City: Colerbrook State: NH Zip Code: 03526
Telephone (Daytime): 603-496-3504 (Evening):
Facsimile Number: 866-386-0242 E-Mail Address: David@SMARTENERGYNE.COM
License number: 10774M (Rodney Smith)

Date of approval to install Facility granted by the Company: 11-14-2012 Installation Date:

✓ Application ID number: N 2606

Inspection:

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

✓ Berlin, NH
(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): [Signature]

Name (printed): JOSEPH MARTIN

Date: 11-28-12

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: Roland Vien Date: 11/28/2012

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Terms and Conditions for Simplified Process Interconnections

PSNH waives inspection/Witness Test: Yes No

Date of inspection/Witness Test: Call to Schedule

1. **Construction of the Facility.** The Interconnecting Customer may proceed to construct the Facility in compliance with the specifications of its Application once the Approval to Install the Facility has been signed by the Company.
2. **Interconnection and operation.** The Interconnecting Customer may operate Facility and interconnect with the Company's system once the all of the following has occurred:
 - 2.1. **Municipal Inspection.** Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified by the local electrical wiring inspector with jurisdiction.
 - 2.2. **Certificate of Completion.** The Interconnecting Customer returns the Certificate of Completion to the Agreement to the Company at address noted.
 - 2.3. **Company has completed or waived the right to inspection.**
3. **Company Right of Inspection.** The Company will make every attempt within ten (10) business days after receipt of the Certificate of Completion, and upon reasonable notice and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the Interconnection Standard. The Company has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. All projects larger than 10 kVA will be witness tested, unless waived by the Company.
4. **Safe Operations and Maintenance.** The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. **Disconnection.** The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
6. **Metering and Billing.** All renewable Facilities approved under this Agreement that qualify for net metering, as approved by the Commission from time to time, and the following is necessary to implement the net metering provisions:
 - 6.1. **Interconnecting Customer Provides:** The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards. In some cases the Interconnecting Customer may be required to install a separate telephone line.
 - 6.2. **Company Installs Meter.** The Company will make every attempt to furnish and install a meter capable of net metering within ten (10) business days after receipt of the Certificate of Completion if inspection is waived, or within 10 business days after the inspection is completed, if such meter is not already in place.
7. **Indemnification.** Interconnecting Customer and Company shall each indemnify, defend and hold the other, its directors, officers, employees and agents (including, but not limited to, Affiliates and contractors and their employees), harmless from and against all liabilities, damages, losses, penalties, claims, demands, suits and proceedings of any nature whatsoever for personal injury (including death) or property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this Agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence or willful misconduct of the party seeking indemnification.
8. **Limitation of Liability.** Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
9. **Termination.** This Agreement may be terminated under the following conditions:
 - 9.1. **By Mutual Agreement.** The Parties agree in writing to terminate the Agreement.
 - 9.2. **By Interconnecting Customer.** The Interconnecting Customer may terminate this Agreement by providing written notice to Company.
 - 9.3. **By Company.** The Company may terminate this Agreement (1) if the Facility fails to operate for any consecutive 12 month period, or (2) in the event that the Facility impairs or, in the good faith judgment of the Company, may imminently impair the operation of the electric distribution system or service to other customers or materially impairs the local circuit and the Interconnecting Customer does not cure the impairment.
10. **Assignment/Transfer of Ownership of the Facility.** This Agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies the Company.
11. **Interconnection Standard.** These Terms and Conditions are pursuant to the Company's "Interconnection Standards for Inverters Sized Up to 100 kVA" for the Interconnection of Customer-Owned Generating Facilities, as approved by the Commission and as the same may be amended from time to time ("Interconnection Standard"). All defined terms set forth in these Terms and Conditions are as defined in the Interconnection Standard (see Company's website for the complete document).