



State of New Hampshire
Public Utilities Commission

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

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REC15-495

**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 is part of an aggregation.

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

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

Applicant Name _____ Email _____
 Address _____ City _____ State _____ Zip _____
 Telephone _____ Cell _____

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

Facility Name Northern Design Primary Contact Bradley Thompson
 Address 51 International Drive City Landon State NH Zip 03307
 Telephone 603-783-8989 Cell _____
 Email address: bthompson@ndprecast.com

- 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	146	Solar World Pvsward	other		
Inverter	3	Fronius 12.5kW	other		
meter			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)?

12

What was the initial date of operation (the date your utility approved the facility)?

10/20/15

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

Installer

Name

Smart Energy of NE

Contact

Dave Belanger

License # (if applicable)

Address

P.O. Box 510

City

Colebrook

State: NH

Zip 03576

Telephone

800-608-5840

email

davide@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 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

Ron Caron

License #

Business Name

Ron's Electric

Email

realnrona@gmail.com

Address

10 main street

City

Cooperon

State NH

Zip

03582

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

Independent Monitor's Name Paul Button

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 # 15299 Asset ID # _____

- 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 Bradley J. Thompson, Pres. Date Nov 28, 2015

Applicant's Printed Name Bradley J. Thompson

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

County of Memmuck State of New Hampshire



Jessica J. Vallancourt
 Notary Public/Justice of the Peace

My Commission Expires _____

Jessica J. Vallancourt
NOTARY PUBLIC
 State of New Hampshire
 My Commission Expires 6/08/2016

- 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.	✓
• 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 .	✓
<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 _____ Email address: _____

Address _____ City _____ State ____ Zip _____

Telephone _____ Cell _____

Preparer’s Signature: _____

RECEIVED

MAR 12 2015

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

SESD

Simplified Process Interconnection Application and Service Agreement

PSNH Application Project ID#: N2677A

Contact Information:

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

Customer or Company Name (print): Northern Design Precast Inc.

Contact Person, if Company: Brad Thompson

Mailing Address: 51 International Drive

City: Loudon State: NH Zip Code: 03307

Telephone (Daytime): ~~603-836-4402~~ 603-783-8989 (Evening): _____

Facsimile Number: _____ E-Mail Address: bjtddt@gmail.com

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

Name: David Belanger Smart Energy of New England Inc.

Mailing Address: PO Box 56

City: Colebrook State: NH Zip Code: 03576

Telephone (Daytime): 603-496-3504 (Evening): 603-915-1507

Facsimile Number: 866-836-0242 E-Mail Address: david@smartenergyne.com

Electrical Contractor Contact Information (if appropriate):

Name: Ron Caron Ron's Electric

Mailing Address: 10 Main Street

City: Groveton State: NH Zip Code: 03582

Telephone (Daytime): 603-636-2326 (Evening): _____

Facsimile Number: _____ E-Mail Address: realnhron@gmail.com

Facility Site Information:

Facility (Site) Address: 51 International Drive ✓

City: Loudon State: NH Zip Code: 03307

Electric Service Company: PSNH Account Number: 56595541020 Meter Number: W10000816 ✓ G56622482(NET)

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 # N/A

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/ Inverter Manufacturer: FRONIUS ✓ Model Name & Number: IG PLUS A 12.0-3 CNE ✓ Quantity: 3 ✓
Nameplate Rating: 12 (kW) (kVA) 480 (AC Volts) Phase: Single Three
Nameplate Rating: *The AC Nameplate rating of the individual inverter.*
System Design Capacity: 36 (kW) (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: Same location as existing solar system

Project Estimated Install Date: Summer 2015 Project Estimated In-Service Date: Summer 2015

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: Brendley J. Thompson Title: President Date: March 12, 2015

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: Michael Motta Title: SR. ENGINEER Date: 4-1-15

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

Company waives inspection/Witness Test: Yes No

Date of inspection/Witness Test: PLEASE 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. Such Approval relates only to the PSNH and Puc 900 electrical interconnection requirements, and does not convey any permissions or rights associated with permits, code enforcement, easements, rights of way, set back, or other physical construction issues.
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).

RECEIVED
OCT 15 2015
By _____

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): Northern Design Precast Inc.
Contact Person, if Company: Bradley Thompson
Mailing Address: 51 International Drive
City: Loudon State: NH Zip Code: 03307
Telephone (Daytime): 603783-8989 (Evening): _____
Facsimile Number: _____ E-Mail Address: bjtddt@gmail.com

Facility Information: → Eversource Meter # W10000816
Address of Facility (if different from above): (same)
City: _____ State: _____ Zip Code: _____

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): Kevin Lebel Label Electric LLC
Mailing Address: 99 Pine Street
City: North Conway State: NH Zip Code: 03860
Telephone (Daytime): 207-890-8510 (Evening): _____
Facsimile Number: _____ E-Mail Address: _____
License number: 13233M
Date of approval to install Facility granted by the Company: _____
Eversource Application ID number: #N2677A

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of:
City: Loudon County: Merrimack
Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):
Signature: [Signature]
Name (printed): William Lake Date: 10-14-15

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

REVOLUTION ENERGY AGGREGATION, LLC

208 Market Street, Suite 30
Portsmouth, NH 03801

NH "Class II" Renewable Energy Certificates "REC's"

TO: Revolution Energy Aggregation LLC (REA)
DATE: _____
ATTN: Michael Behrmann

Client ID #: _____ Internal Use

On behalf of **Revolution Energy Aggregation, LLC** (acting as aggregator only), we are pleased to confirm the following agreement:

System/REC Owner: Northern Design **Address:** 51 International Drive
London, NH 03307

Aggregator Revolution Energy Aggregation LLC **Contact:** Michael Behrmann
208 Market St. - Suite 30 Phone: (508) 395-5012
Portsmouth, NH 03801 Email: mike@rev-en.com

Product and Term: Aggregation of NH "Class II" Renewable Energy Certificates "REC's" for the term of 10 years effective as of the date of this agreement.

REC Year(s): Calendar Year 2014 – Upon Cancellation

REC Owner System Information:

Technology: Photovoltaic (PV)
System Size (AC): 36 kW
Date Energized: 10/26/15
REA NEPOOL ID: 15299
NH Certification ID: NH- -
NH Independent Verifier: _____

NH "Class II" Renewable Energy Certificates "REC's"

Delivery: System/REC Owner shall deliver to REA the generated RECs through the NEPOOL GIS System. Delivery will occur through the Owners independent verifier on or before the last day of the quarter's upload period. Owner shall be responsible for payment to independent verifier.

REA COMMISSION: A commission of USD 10% of client's REC sale on total RECs transacted.

Payment Method: REA will be paid its commission following the sale of the RECs. Payment to the System Owner will be proportionate to the percent of the sold assets.

Cancellation: Either party may cancel the agreement at any time for any reason. Seven (7) days written notice must be provided via mail or email communication. Upon cancellation, each party must allow for the aggregation and transaction of the remaining current year's generation and subsequent minting period following the cancellation. REA agrees to continue to trade the generated RECs until the generation year has ended.

X Bradley J. Simpson Date Nov 28 2015
System/REC Owner

X _____
Revolution Energy Aggregation, LLC

WE THANK YOU FOR YOUR BUSINESS!

The parties agree that REA's sole function with respect to this transaction is the aggregation and sale of renewable energy credits. REA assumes no responsibility for the performance of the Owners array, RECs generated thereof, or the amount the RECs will be sold for.



mail: PO Box 56
 Colebrook, NH 03576
 Warehouse: 1928 Route 3
 Columbia, NH 03576
 Phone (800) 608-5840

Invoice

Invoice #: 201462
Invoice Date: 8/4/2015
Due Date: 8/4/2015
Project:
P.O. Number:

PAID
10/15/2015

Bill To:

Northern Design Precast
 Brad Thompson
 51 International Dr
 Loudon, NH 03307

Item	Description						
PVS280 Racking MiscElectrical INVFSYMO12.5 INVACCFRDATA... MiscElectrical Install Ship	Proposed 40.88KW DC and 36KW AC (Roof solar system) 146 x SolarWorld, 280W PV Module BAA, H4, PV Wire, 31mm Clear 2.5 Frame, 60 Cell Mono, 16A Fuse, 1000VDC, 251.2W PTC, SW280 Mono Racking system Roof Mount Rapid shut down for 3 inverters (New code 2014) 3 x Fronius, Symo Lite 12.5 480 Grid Tied Inverter, 3-Ph, 12.5 kW, 480VAC, 60Hz, 600VDC or 1000VDC, DC Discon, 6 Unfused i/p, 2 MPPT, 10 Yr Warr, 3 x Fronius, Datalogger Web Box, Ethernet Interface, USB port, 4,240,123 Wire Run, Grounding Rod, Surge Protector, Conduits...ect Complete Installation and commission of system. Also include time for rebate application and system design, configuration and shading analyses. Shipping Warranty : 5 years on installation labor 10 years on Inverters by manufacturer 10/24 Years on Panels by manufacturer						
	<table border="1"> <tr> <td data-bbox="1024 1713 1268 1787">Total</td> <td data-bbox="1268 1713 1536 1787">USD 103,700.00</td> </tr> <tr> <td data-bbox="1024 1787 1268 1860">Payments/Credits</td> <td data-bbox="1268 1787 1536 1860">USD -103,700.00</td> </tr> <tr> <td data-bbox="1024 1860 1268 1967">Balance Due</td> <td data-bbox="1268 1860 1536 1967">USD 0.00</td> </tr> </table>	Total	USD 103,700.00	Payments/Credits	USD -103,700.00	Balance Due	USD 0.00
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