REC 16-393

NHPUC 31MAR'16AM11:45

NH Public Utilities Commission

REC Aggregator Portal

New Users CLICK HERE to setup your account for this form. Creating an account enables you to partially complete the form and return later to finish it or to make changes after the form is submitted. Be sure to create your account BEFORE entering information into the form, or the information will be lost.

Existing Users CLICK HERE

Basic Information

Who is submitting this request?

Aggregator

Aggregator Batch Number

KE032916

Are you registered in NH

- (●) Yes
- ( ) No

Aggregator name

Knollwood Energy - 14625

NH Reg #

Aggregator Email

karenton@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Name

Facility Owner Name

Joseph Cote

Facility Owner email

pedaler351@comcast.net

Owner Phone

603-471-2531

Facility Address

15 Beals Road

Facility Town/City

Bedford

Facility State

NH

Facility Zip

03110

Is the facility address the same as the owner's mailing address

- (●) Yes
- ( ) No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact

Karen Tenneson

Primary Contact

Facility Primary Contact

karenton@knollwoodenergy.com

Other Email Address

Facility Information

Class

II

Utility

Eversource

Other Utility Name

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON73652

Date of Initial Operation

12/15/2015

Facility Operator Name, if applicable

Panel Quantity

20

Panel Make

Solarworld

Panel Model

Other

Panel Rated Output

260

Inverter Quantity

20

Inverter Make

Enphase Energy

Add'l Inverter Quantity

NA

Additional Inverter Make

None

Rated Output - Primary Inverter

215

Rated Output - Additional Inverter

System capacity based on single inverter make

4300

System capacity based on two inverter types

System capacity in kW as stated on the interconnection agreement

4.5

Revenue Grade Meter Make

Hialeah

Was this facility installed directly by the customer (no electrician involved)?

- ○ Yes
- ◉ No

Electrician Name & Number

Noureddine Mhal #12463M

Other Electrician Name & Number

Installation Company

NuWatt Energy LLC

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name & Company

Paul Button - Energy Audits Unlimited

Other Monitor Name and Company

Is the installer also the equipment supplier?

- (●) Yes
- ( ) No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

https://fs30.formsite.com/jan1947/files/f-5-99-6433100_TXgo1X2S_Cote_COC.pdf

The project described in this application will meet the metering requirements of PUC 2506 including:

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.

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

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

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

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

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

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-168-6433100_msN8KU5q_Cote.Quirk_NHOS.pdf

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-6433100_is7MalBA_N4774_Cote-Quirk_PV_-_Processe

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.

Print Name

Karen Tonnesen

Date Signed

03/29/2016

DocuSign Envelope ID: 31BBE5D7-A4D1-4DC5-A368-B948E014CC9D

RECEIVED
DEC 04 2015
By

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

Eversource Application Project ID#: N4774

Contact Information:

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

Customer or Company Name (print): Joe Cote & Judy Quirk

Contact Person, if Company:

Mailing Address: 15 Beals Rd

City: Bedford State: NH Zip Code: 03110

Telephone (Daytime): 603 471-2531 (Evening):

Facsimile Number: E-Mail Address: pedaler351@comcast.net

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

Name: NuWatt Energy

Mailing Address: 14 Ellyson Ave

City: E Hampstead State: Zip Code: 03826

Telephone (Daytime): (603) 657-7177 (Evening):

Facsimile Number: E-Mail Address: info@nuwattenergy.com

Electrical Contractor Contact Information (if appropriate):

Name:

Mailing Address:

City: State: Zip Code:

Telephone (Daytime): (Evening):

Facsimile Number: E-Mail Address:

Facility Site Information:

Facility (Site) Address: 15 Beals Rd

City: Bedford State: NH Zip Code: 03110

Electric Service Company: Eversource Account Number: 56287901094 Meter Number: S71049669

Account and Meter Number: Please consult an actual Eversource 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 Eversource Work Request number.

Eversource 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.)

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

Facility Machine Information:

Generator/ Inverter Manufacturer: Enphase Model Name & Number: M215 Quantity: 20

Nameplate Rating: 0.225 (kW)____ (kVA) 240 (AC Volts) Phase: Single ■ Three ☐

Nameplate Rating: The AC Nameplate rating of the individual inverter.

System Design Capacity: 4.5 (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: In proximity to utility's meter

Project Estimated Install Date: 11/02/15 Project Estimated In-Service Date: 11/09/15

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:

DocuSigned by:
Customer Signature: Joe Cote & Judy Quirk Title: Owner Date: 10/13/15
65CE821FFB28404...

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 Eversource meter socket. Applications without such a diagram may be returned.

For Eversource 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: [signature] Title: Associate Engineer Date: 12/9/15

DocuSign Envelope ID: 32FF06F0-C4E2-408D-9BDC-07D3A60C5970

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): Joe Cote & Judy Quirk

Contact Person, if Company: _____

Mailing Address: 15 Beals Rd

City: Bedford State: NH Zip Code: 03110

Telephone (Daytime): 603 471-2531 (Evening): _____

Facsimile Number: _____ E-Mail Address: pedaler351@comcast.net

Facility Information: → Eversource Meter # 71049669

Address of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): Noureddine Mhal

Mailing Address: 21 Pearl St

City: Methuen State: MA Zip Code: 01844

Telephone (Daytime): 617-908-4446 (Evening): _____

Facsimile Number: _____ E-Mail Address: teslanour@yahoo.com

License number: 12463M

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

Eversource Application ID number: #N_____

Inspection:

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

City: Bedford County: Hillsboro

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

Signature: _____

Name (printed): Terry Carter Date: 12/3/15

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: DocuSigned by: Joseph Cote 65CE821FFB2B404...

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

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:

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.

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

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

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

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

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

Joseph Cote & Judith Quirk

Printed Name of signature owner

Joseph Cote & Judith Quirk

Joseph Cote & Judith Quirk (Mar 17, 2016)

Signature of system owner