REC 16-700

NHPUC 29JUN'16PM12:00

Login Username

linda modica

Login Email

linda@knollwoodenergy.com

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

Aggregator Batch Number

KE062416

Aggregator name

Knollwood Energy

Facility Owner Name

Stephen Faulkner

Facility Address

22 Saddle Bach Mountain R

Facility Town/City

Deerfield

Facility State

NH

Facility Zip

03037

Mailing Zip

Primary Contact

Karen Tenneson

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")

NON85424

Date of Initial Operation

06/14/2016

Facility Operator Name, if applicable

Panel Make #1

Solarworld

Panel Model

SW285

Panel Quantity

34

Panel Rated Output

285

Other panel make

Other panel model

More Panel types?

- ○ No
- ◉ Yes

Panel Make #2

Solarworld

Panel Model

SW285

Panel Quantity

18

Panel Rated Output

285

More Panel types?

- ○ No
- ○ Yes

Panel Make #3

Panel Model

Panel Quantity

Panel Rated Output

System capacity based on panels

14820

Inverter Make

Enphase Energy

Other inverter make

Inverter Quantity

34

Additional Inverter Make

Enphase Energy

Add'l Inverter Quantity

18

Rated Output - Primary Inverter

250

Rated Output - Additional Inverter

250

System capacity based on single inverter make

System capacity based on two inverter types

13000

System capacity in kW as stated on the interconnection agreement

13.0

Revenue Grade Meter Make

Revenue Grade GIS Approved Meter

GE

Other revenue-grade GIS-approved meter

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

- ○ Yes
- ◉ No

Electrician Name & Number

Richard Boddei 10770M

Other Electrician Name & Number

Installation Company

Sun Dial Solar

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Equipment Vendor Company Name

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-5-99-7080963_vqpf0fv8_Stephen_Faulkner_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 (meeting ANSI C-12.1-2008 for installations up to and including 10 kW, or ANSI C12.16 or better for installations greater than 10kW up to 1 mW) 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

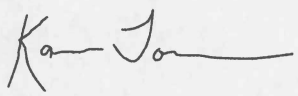
https://fs30.formsite.com/jan1947/files/f-5-168-7080963_clcrrWaK_Stephen_Faulkner_NHOS.pdf

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-7080963_FPVISXYF_Stephen_Faulkner_SPIA.pdf

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

06/24/2016

EVERSOURCE – NEW HAMPSHIRE

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): STEPHEN FAULKNER

Contact Person, if Company: ___

Mailing Address: 22 Saddle Back Mnt. Road

City: Deerfield State: NH Zip Code: 03037

Telephone (Daytime): 978-375-0575 (Evening): ___

Facsimile Number: ___ E-Mail Address: Sgfaulkner@sbcgenerator.com

Facility Information: → Eversource Meter # ___

Address of Facility (if different from above): ___

City: ___ State: ___ Zip Code: ___

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): RICHARD BOODIS

Mailing Address: 92 OLD TOWN RD.

City: EPSOM, State: N.H. Zip Code: 03234

Telephone (Daytime): 603-608-5603 (Evening): ___

Facsimile Number: ___ E-Mail Address: ___

License number: 10770

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: Deerfield County: Rockingham

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

Signature: Richard H Pelletier

Name (printed): Rick Pelletier Date: 6/14/16

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 reference attached Exhibit B - Certificate of Completion Customer Requirements "Checklist" for required digital photos before submitting.

Customer Signature: Stephen Faulkner

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

NHDG@eversource.com

Eversource - Distributed Generation (NH)

780 North Commercial Street

P. O. Box 330, Manchester, NH 03105-0330

Fax No.: (603) 634-2924

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.

Stephen G faulkner

Printed Name of signature owner

Stephen G Faulkner

Stephen G Faulkner (Jun 22, 2016)

Signature of system owner

RECEIVED
MAY 04 2016
By

EVERSOURCE – NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement
[submit form via email to: NHDG@eversource.com]

Eversource Application Project ID#: N5638

Contact Information:

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

Customer or Company Name (print): Stephen Faulkner

Contact Person, if Company:

Mailing Address: 22 Saddleback Mnt. Rd

City: Deerfield State: NH Zip Code: 03037

Telephone (Daytime): 978-375-0515 (Evening):

Facsimile Number: E-Mail Address: sgfaulkner@sbegenerator.com

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

Name: Sundial Solar

Mailing Address: 96 Hilliard Rd

City: State: Zip Code:

Telephone (Daytime): Chichester, NH 03258 (Evening):

Facsimile Number: E-Mail Address: www.sundialsolarnh.com

603-961-0045

Electrical Contractor Contact Information (if appropriate):

Name:

Mailing Address:

City: State: Zip Code:

Telephone (Daytime): Richard Boddie 92 Old Town Road Epsom, NH 03234 (Evening):

Facsimile Number: E-Mail Address: Boddieconstruction@gmail.com 603-608-5603 License # 10770M

Facility Site Information:

Facility (Site) Address: SAME AS ABOVE

City: State: NH Zip Code:

Electric Service Company: Eversource Account Number: 5683420107 4 Meter Number: G43909841 572345768 as of 3/22/16 OLD#

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.)

1 of 2

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

Facility Machine Information:

Generator/ Solar World Model Name & SW285S 34
Inverter Manufacturer: Enphase Number: M250 Quantity: 34
Nameplate Rating: 250 (kW)_____(kVA)_____(AC Volts) Phase: Single ☑ Three ☐

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

System Design Capacity: 8.500 (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: Next to Eversource meter

Project Estimated Install Date: Early June Project Estimated In-Service Date: Mid June

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:

X Customer Signature: _____ Title: owner Date: 4/29/16

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: _____ Title: Associate Engineer Date: 5/6/16

2 of 2

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

Facility Machine Information:

Generator/ Inverter Manufacturer: Solar World / Enphase Model Name & Number: SW285S / M250 Quantity: 18 / 18

Nameplate Rating: 250 (kW) _____ (kVA) _____ (AC Volts) Phase: Single ☑ Three ☐

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

System Design Capacity: 4,500 (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: Next to Eversource meter

Project Estimated Install Date: Early June Project Estimated In-Service Date: Mid June

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:

X Customer Signature: _____ Title: owner Date: 4/29/16

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: _____ Title: _____ Date: _____