

REC 16-105

Knollwood Energy

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

PUC 13JAN16AM11:14

January 8, 2016

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 applications for 10 systems 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.

Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion.

Electronic versions have been entered into the new online application system under batch number KN0415.

|                 |                        |
|-----------------|------------------------|
| Paul Barker     | Bill Haig              |
| Darren Blood    | John Hanson            |
| Mike Blichmann  | Peter and Elaine Klose |
| Rod Gagnon      | Charlie Lovett         |
| Zachary Gardner | Robert McDonald        |

Please feel free to contact me with any questions or further instructions.  
Thank you for your consideration,

Linda Modica  
New England REC Operations Manager  
**Knollwood Energy of MA LLC**  
973.879.7826  
[linda@knollwoodenergy.com](mailto:linda@knollwoodenergy.com)

Who is submitting this request?

Aggregator

Aggregator Batch Number

KN0415

Aggregator name

Knollwood Energy

Aggregator Email

linda@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Owner Name

Elaine Klose

Owner Prefix

Ms.

Facility Owner email

elaineklose@gmail.com

Owner Phone

603-447-3127

Facility Address

171 Birch Hill Rd

Facility Town/City

Eaton

Facility State

NH

Facility Zip

03832

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

- Yes
- No

Mailing Address

PO BOX 76

Mailing Town/City

Eaton

Mailing State

NH

Mailing Zip

03832

Primary Contact (who should we call with questions)

Linda Modica

Contact Phone

Other Email Address

Facility Information

Class

II

Utility

Eversource

Other Utility Name

Date of Utility Signoff

07/20/2015

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON55220

Facility Operator Name, if applicable

Panel Quantity

33

Panel Make

SolarWorld Sunmodule

Panel Model

275

Panel Rated Output

275

System capacity based on panels

9.0750

Inverter Quantity

1

Inverter Make

Solar Edge

Additional Inverter Make

Rated Output - Primary Inverter

10000

Rated Output - Additional Inverter

System capacity based on inverters

10.00

System capacity in mW as stated on the interconnection agreement

10.95

Revenue Grade Meter Make

Irtton Centron

Meter Model

FM2S

Other Meter Model

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

- Yes  
 No

Electrician Name

Choice A

Other Electrician Name

Kim Frase

Sign-off Electrician's License Number

4146M

Installation Company

Frase Electric, LLC

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name

Paul Button

Monitor Company Name

Energy Audits Unlimited

Monitor Company Name

Monitor Company Name

Monitor Company Name

Other Monitor Company Name

Is the installer also the equipment vendor?

- Yes  
 No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

[https://fs30.formsite.com/jan1947/files/f-5-99-5834364\\_VeQuK241\\_Klose\\_SPIA\\_COC.pdf](https://fs30.formsite.com/jan1947/files/f-5-99-5834364_VeQuK241_Klose_SPIA_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.

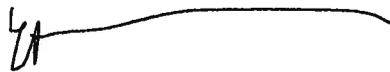
Please attach additional document here

[https://fs30.formsite.com/jan1947/files/f-5-168-5834364\\_HiE7bnEd\\_Klose\\_NHOS.pdf](https://fs30.formsite.com/jan1947/files/f-5-168-5834364_HiE7bnEd_Klose_NHOS.pdf)

Please attach additional document here

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

Linda Modica

Date Signed

01/07/2016

RECEIVED

MAY 12 2015

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

SESD

Eversource Application Project ID#: N 3461

**Contact Information:**

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

Customer or Company Name (print): PETER + ELAINE KLOSE

Contact Person, if Company: \_\_\_\_\_

Mailing Address: P.O. Box 76

City: EATON State: NH Zip Code: 03832-0076

Telephone (Daytime): 603-447-3127 (Evening): 603-447-3127

Facsimile Number: \_\_\_\_\_ E-Mail Address: elaire.klose@gmail.com

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

Name: Fraser Electric LLC

Mailing Address: 789 Whittier Hwy

City: So. Tamworth State: NH Zip Code: 03833

Telephone (Daytime): 603 284-6618 (Evening): SAT

Facsimile Number: 603 284-6343 E-Mail Address: lrm@fraserelectric.com

**Electrical Contractor Contact Information (if appropriate):**

Name: Same as above

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

**Facility Site Information:**

Facility (Site) Address: 171 BIRCH HILL RD

City: EATON State: NH Zip Code: 03832

Electric \_\_\_\_\_

Service Company: Eversource Account Number: 56663041010V Meter Number: 693234863(LHOUSE)

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/ SOLAEDGE Model Name & SE10000A-43 1  
 ✓ Inverter Manufacturer: SOLAEDGE ✓ Number: SOLAEDGE 275 Meter 31K Quantity: 36  
 Nameplate Rating: 10 97 (kW) (kVA) 240 (AC Volts) Phase: Single  Three   
 Nameplate Rating: The AC Nameplate rating of the individual inverter.  
 System Design Capacity: 10 97 (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 \_\_\_\_\_

10-9502W  
MAY AC

**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: ON GARAGE w/ REC meter - this will replace EVERSOURCE meter  
 Project Estimated Install Date: 7/1/15 Project Estimated In-Service Date: 7/15/15  
 See Diagram

**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: Shane F. Klose Title: \_\_\_\_\_ Date: 5-2-2015

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 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: Marshall Ufota Title: SR. ENGINEER Date: 5-14-15

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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): Peter + Elaine Klose

Contact Person, if Company: Peter or Elaine

Mailing Address: Po Box 76

City: Eaton State: NH Zip Code: 03832

Telephone (Daytime): 603-447-3127 (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: elaine.klose@gmail.com

Facility Information:

Address of Facility (if different from above): 171 Birch Hill Rd.

City: Eaton State: NH Zip Code: 03832

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): Fuse Electric LLC

Mailing Address: 724 Whittier Hwy

City: So. Tamworth State: NH Zip Code: 03883

Telephone (Daytime): (603) 284-4418 (Evening): 284-6118

Facsimile Number: 284-6343 E-Mail Address: Klosefuseelectric.com

License number: 41464

Date of approval to install Facility granted by the Company: \_\_\_\_\_

Eversource Application ID number: #N 3461

Inspection:

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

City: Eaton NH County: CARROLL

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

Signature: [Signature] NHPE 70

Name (printed): DAVID PARROTT Date: 7-20-2015

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.

Customer Signature: Peter Klose Elaine F. Klose

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

**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:

EFK  
EFK

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.

EFK  
EFK

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

EFK  
EFK

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

EFK  
EFK

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

EFK  
EFK

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

EFK  
EFK

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

**ELAINE F. KLOSE**

\_\_\_\_\_  
Printed Name of signature owner

ELAINE F. KLOSE

ELAINE F. KLOSE (Sep 10, 2015)

\_\_\_\_\_  
Signature of system owner