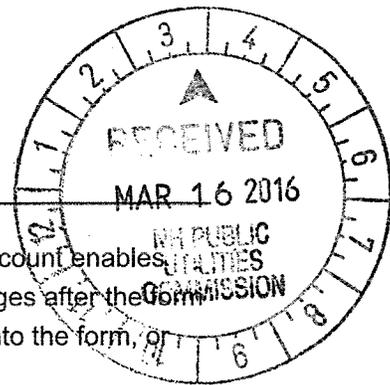


NH Public Utilities Commission

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

KE031116

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

Arthur Turgeon

Facility Owner email

AWTurgeon@comcast.net

Owner Phone

603-856-8124

Facility Address

8 Asby Road

Facility Town/City

Concord

Facility State

NH

Facility Zip

03301

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

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Class

Utility

Other Utility Name

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

Date of Initial Operation

Facility Operator Name, if applicable

Panel Quantity

Panel Make

Panel Model

Panel Rated Output

System capacity based on panels

Inverter Quantity

48

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

10320

System capacity based on two inverter types

System capacity in kW as stated on the interconnection agreement

10.32

Revenue Grade Meter Make

AEE Solar

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

- Yes
- No

Electrician Name & Number

Brian Pare12245M

Other Electrician Name & Number

Installation Company

SunRay Solar

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-5-99-6310500\\_GlhKqkg0\\_ATurgeon\\_Exhibit\\_B\\_Signed\\_Apprc](https://fs30.formsite.com/jan1947/files/f-5-99-6310500_GlhKqkg0_ATurgeon_Exhibit_B_Signed_Apprc)

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-5-168-6310500\\_MbcVRsog\\_Arthur\\_Turgeon\\_contract\\_part\\_3\\_](https://fs30.formsite.com/jan1947/files/f-5-168-6310500_MbcVRsog_Arthur_Turgeon_contract_part_3_)

Please attach additional document here

[https://fs30.formsite.com/jan1947/files/f-5-173-6310500\\_b5cNNWnu\\_ATurgeon\\_Exhibit\\_A\\_signedSPI/](https://fs30.formsite.com/jan1947/files/f-5-173-6310500_b5cNNWnu_ATurgeon_Exhibit_A_signedSPI/)

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

03/11/2016



UNITIL ENERGY SYSTEMS, INC.  
 INTERCONNECTION STANDARDS FOR INVERTERS  
 SIZED UP TO 100 KVA (Continued)

**Exhibit B - Certificate of Completion for Simplified Process Interconnections**

Installation Information:

Check if owner-installed

Customer(print): Arthur Turgeon  
 Mailing Address: 8 Asby Rd  
 City: Concord State: NH Zip Code: 03301  
 Telephone (Daytime): 603-608-6003 (Evening): \_\_\_\_\_  
 Facsimile Number: \_\_\_\_\_ E-Mail Address: awturgeon@comcast.net

Address of Facility (if different from above): \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Electrical Contractor's Name (if appropriate): SunRay Solar, LLC  
 Mailing Address: 124A Hall Street  
 City: Concord State: NH Zip Code: 03301  
 Telephone (Daytime): 603-225-6001 (Evening): \_\_\_\_\_  
 Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_  
 License number: 12245M

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

Application ID number: \_\_\_\_\_

Inspection:

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

Concord Merrimack  
 (City/County)

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

Name (printed): Craig Billingham

Date: 5/22/15

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

**Generator Interconnection Applications**  
**Unitil**  
**325 West Road**  
**Portsmouth, NH 03801**  
**Fax: 603-294-5226**



UNITIL ENERGY SYSTEMS, INC.  
INTERCONNECTION STANDARDS FOR INVERTERS  
SIZED UP TO 100 KVA (Continued)

## Exhibit A – Simplified Process Interconnection Application

### Instructions *(please do not submit this page)*

**General Information:** If you, the Interconnecting Customer, wish to submit an application to interconnect your generating Facility using the Simplified Process (reference Section 3.1 of the Interconnection Standard for eligibility) please fill out the attached application form completely (not including this page of instructions), including your signature in the space provided. Interconnections that may be eligible for this Simplified Process include UL 1741-Listed inverter-based Facilities that are either (1) connecting to radial electric power systems with power ratings of  $\leq 100$  kVA, or (2) connecting to spot network electric power systems with power ratings of  $\leq 10$  kVA single-phase. Please attach any documentation provided by the inverter manufacturer concerning the UL 1741. Certain types of facilities may be required to install a fully rated lockable switch near the service entrance for use by utility personnel pursuant to Chapter PUC 900 rules.

Mail all material to: **Generator Interconnection Applications, Unitil, 325 West Road, Portsmouth, NH 03801**

The Simplified Process is as follows:

1. Application process:
  - a. Interconnecting Customer submits a Simplified Application filled out properly and completely.
  - b. Company evaluates the application for completeness and notifies the Interconnecting Customer within 10 business days of receipt that the application is or is not complete and, if not, advises what is missing.
2. Company verifies Facility equipment can be interconnected safely and reliably.
3. If approved, the Company signs the application and returns a copy to the Interconnecting Customer.
4. Upon receipt of the signed application, the Interconnecting Customer installs the Facility. Then the Interconnecting Customer arranges for inspection of the completed installation by the local electrical wiring inspector, or other authority having jurisdiction, and this person signs the Certificate of Completion. If the Facility was installed by an electrical contractor, this person also fills out the Certificate of Completion.
5. In certain circumstances, the Company will require the Interconnecting Customer to pay for System Modifications. If so, a description of work and an estimate will be sent back to the Interconnecting Customer for approval. The Interconnecting Customer would then approve via a signature and payment for the System Modifications. If the Interconnecting Customer approves, the Company performs the System Modifications. Then, the Company signs the application and sends the approved application back to the Interconnecting Customer.
6. The Interconnecting Customer returns the Certificate of Completion to the Company.
7. Following receipt of the Certificate of Completion, the Company may inspect the Facility for compliance with standards by arranging for a Witness Test. Except for a short test by the installer to confirm the system works properly, the Interconnecting Customer has no right to operate in parallel (interconnect) until a Witness Test has been performed or has been previously waived by the Company on the Application Form. The Company will make every attempt to complete this Witness Test within 10 business days of its receipt of the Certificate of Completion. All projects larger than 10 kVA will need to be witness tested, unless waived by the Company.
8. Assuming the wiring inspection and/or Witness Test is satisfactory, the Company notifies the Interconnecting Customer in writing that interconnection is authorized. If the Witness Test is not satisfactory, the Company has the right to disconnect the Facility, and will provide information to the Interconnecting Customer describing clearly what is required for approval.

**Contact Information:** You must provide the contact information for the legal applicant (i.e. the Interconnecting Customer). If other parties are responsible for interfacing with the Company, you should provide their contact information as well.

**Ownership Information:** Please enter the legal names of the owner or owners of the Facility.

**Generating Facility Information:** Please consult an actual electric bill from the Electric Service Company and enter the correct Account Number and meter number on this application. If the facility is to be installed in a new location, a temporary number may be assigned by the Electric Company.

**Confidentiality:** Information on this form will be shared with the Commission and other State Agencies as required.

**UL 1741 Listed?** The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use in 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.



UNITIL ENERGY SYSTEMS, INC.  
 INTERCONNECTION STANDARDS FOR INVERTERS  
 SIZED UP TO 100 KVA (Continued)

**Simplified Process Interconnection Application and Service Agreement**

Contact Information: Date Prepared: \_\_\_\_\_  
 Legal Name and address of Interconnecting Customer (or, Company name, if appropriate)  
 Customer Name (print): Art Turgeon Contact Person, if Company: \_\_\_\_\_  
 Mailing Address: 8 Asby Road  
 City: Concord State: NH Zip Code: 03301  
 Telephone (Daytime): 603-608-6003 (Evening): \_\_\_\_\_  
 Facsimile Number: \_\_\_\_\_ E-Mail Address: awturgeon@comcast.net

Alternative Contact Information (e.g., system installation contractor or coordinating company, if appropriate):  
 Name: SunRay Solar, LLC  
 Mailing Address: 124A Hall Street  
 City: Concord State: NH Zip Code: 03301  
 Telephone (Daytime): 603-225-6001 (Evening): \_\_\_\_\_  
 Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Electrical Contractor Contact Information (if appropriate):  
 Name: SunRay Solar, LLC Telephone: 603-225-6001  
 Mailing Address: 124A Hall Street  
 City: Concord State: NH Zip Code: 03301

Facility Information:  
 Address of Facility: 8 Asby Road  
 City: Concord State: NH Zip Code: 03301  
 Electric Service Company: Unitil Account Number: 1157491-1069994 Meter Number: 100434  
 Inverter Manufacturer: Enphase Model Name and Number: M215 Quantity: 48  
 Nameplate Rating: 8.6 215 (kW) \_\_\_\_\_ (kVA) 240 (AC Volts) Single or Three \_\_\_\_\_ Phase  
 System Design Capacity: 8.6<sup>10.32</sup> (kVA) \_\_\_\_\_ (kVA)  
 Net Metering: If Renewably Fueled, will the account be Net Metered? Yes X 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 1547.1) Listed? Yes No \_\_\_\_\_  
 Estimated Install Date: \_\_\_\_\_ Estimated In-Service Date: \_\_\_\_\_

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:

Interconnecting Customer Signature: [Signature] Title: Home Owner Date: 4/14/15

**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: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
 Company waives inspection/Witness Test? Yes \_\_\_ No \_\_\_

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.

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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.

Arthur Turgeon

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Printed Name of signature owner

Arthur Turgeon  
Arthur Turgeon (Jan 20, 2016)

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Signature of system owner