

NH Public Utilities Commission
REC Aggregator Portal

NHPUC 2JUN16AM11:29

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

NHEC0245

Are you registered in NH

- Yes
- No

Aggregator name

NHEC

NH Reg #

DE 09-006

Aggregator Email

mcneils@nhec.com

Other Aggregator name

Other aggregator email address

Facility Name

Facility Owner Name

Gary Harwood

Facility Owner email

gary.e.harwood@gmail.com

Owner Phone

603-823-8714

Facility Address

419 Paine Road

Facility Town/City

Easton

Facility State

NH

Facility Zip

03580

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

- Yes
- No

Mailing Address

PO Box 154

Mailing Town/City

Franconia

Mailing State

NH

Mailing Zip

03580

Primary Contact

Primary Contact

Scott McNeil

Facility Primary Contact

Other Email Address

Facility Information

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 Make #1

Panel Model

Panel Quantity

Panel Rated Output

- No
- Yes

Panel Make #2

Panel Model

Panel Quantity

Panel Rated Output

More Panel types?

- No
- Yes

Panel Make #3

Panel Model

Panel Quantity

Panel Rated Output

System capacity based on panels

Inverter Quantity

Inverter Make

Add'l Inverter Quantity

Additional Inverter Make

Rated Output - Primary Inverter

6000

Rated Output - Additional Inverter

6000

System capacity based on single inverter make

System capacity based on two inverter types

System capacity in kW as stated on the interconnection agreement

6.0

Revenue Grade Meter Make

Revenue Grade GIS Approved Meter

ELSTER

Other Meter Name

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

- Yes
 No

Electrician Name & Number

Other

Other Electrician Name & Number

Scott Eastman 8092

Installation Company

Other

Other Installation Company Name

O'Meara Solar

Other Inst. Company Address

PO Box 131

Other Inst. Company City

West Topsham

Other Inst. Company State

VT

Other Inst. Company Zip

05086

Equipment Vendor Company Name

Independent Monitor Name & Company

Scott McNeil - NHEC

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-5-99-6859387_Bz5D2E2K_Harwood_Exhibit_BC.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-5-168-6859387_W3Rk6rsM_Harwood_Exhibit_D.pdf

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-6859387_Flc1WqER_Harwood_Exhibit_E.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

Scott C McNeil

Date Signed

05/25/2016

EXHIBIT B

Gary Harwood
419 Paine Road
Easton, NH 03580

Equipment:	24	SolarWorld SW285 solar panels
	1	ABB PVI 6000 inverter
REC meter:	1	Elster Type R2S watt-hour meter # 615206 serial# 13771403 start read 000000

EXHIBIT C

NEW HAMPSHIRE ELECTRIC CO-OP "ABOVE THE CAP"

INTERCONNECTION APPLICATION-RENEWABLE GENERATION UP TO 1000 KW

PURSUANT TO NEW HAMPSHIRE ELECTRIC COOPERATIVE TERMS & CONDITIONS, SECTION X
NET METERING, APPLICANT HEREBY GIVES NOTICE OF INTENT TO INSTALL AND OPERATE A
GENERATING FACILITY.

Applicant Information

Name: Gary/Beth Harwood
Mailing Address: P.O. Box 154
City: Franconia State: NH Zip Code: 03580
Facility Location (if different from above): 419 Paine Rd., Easton, NH
Daytime Phone Number: 603-823-8714
Distribution Utility: NHEC Account Number: 0265139014
If applicable; Competitive Electricity Supplier (ES): _____

Generating Facility Information

Generator Type (check one): Solar Wind Hydro
Generator Manufacturer, Model Number & Quantity: Solar World, SW285, 24 panels
Number of Phases of Unit: Single Three Other
Generation output rating in AC Kilowatts: 6.0 DC Kilowatts: 6,840
Inverter Manufacturer, Model, Number & Quantity: ABB inverter, PV/6000, 1
Battery backup? Yes No
Will a generator Disconnect Switch accessible to the utility be installed? Yes No
Proposed location of Disconnect Switch, if applicable: To be determined by installer

Installation Information & Certification

Installer: O'Meara Solar Check if owner-installed
Installation Date: May 2016
Installing Electrician: Scott Eastman State of NH License #: 8092
Mailing Address: 103 Cutting Hill Rd., Pike, NH 03780
Daytime Phone Number: 603-443-6206

Installation Information (continued)

Signed (Vendor/Supplier): _____
 Name (Printed): Darren O'Meara Date: 5/11/16
 Company: O'Meara Solar
 Company Address: PO BOX 131, West Topsham, VT 05086

Certification

The system hardware is listed to Underwriters Laboratories standards to be in compliance with UL1741 and IEEE 929-2000:

The system has been installed in compliance with local Building/Electrical Code of City/County: Easton/Grafton

Town Inspector Signature (or installing electrician if town has no inspector): _____

Print Name: SCOTT EASTMAN Date: 3/20/16

In accordance with NHEC requirements, the mandatory labeling has been affixed to the meter enclosures. Labeling must be formatted with a red background and white lettering with similar language as below:

<u>Net Meter label</u>	<u>Solar Generation (REC) Meter label</u>
	

The initial start-up test required by Section X.2.7 has been successfully completed by the electrician.

Installing Electrician (signature): [Signature]

Test Completed on (Date): 5/17/16 Print name: Scott Eastman

Utility Inspection and Interconnection by (signature): [Signature]

Print Name: Scott Mower Date: 5-20-16

Applicant agrees to install and operate the system in accordance with NHEC's Terms & Conditions.

I hereby certify that, to the best of my knowledge, all of the information provided in this Application is true and correct.

Signature of Applicant: [Signature] Date: 5/17/2016

THE ELIGIBLE MEMBER-GENERATOR SHALL PROVIDE NEW HAMPSHIRE ELECTRIC CO- OP WITH THE LATEST DATE OF THE INFORMATION ON THIS FORM AS ANY CHANGES OCCUR.

EXHIBIT D

RENEWABLE ENERGY CERTIFICATE (REC) MEMBER AGREEMENT

THIS AGREEMENT is hereby entered into this 20 day of Mar, 2016 (received date) between New Hampshire Electric Cooperative, Inc. (herein NHEC), having principal offices at 579 Tenney Mountain Highway, Plymouth, NH 03264 and its member, Cary E. Ferraro with account number _____ (herein Member) (collectively herein the Parties).

Whereas, Member has installed, or is in the process of installing, solar photovoltaic, wind or other renewable electric generation equipment at its service location as a member of NHEC (Member-Sited Renewable Resource) as described in Appendix A below.

Whereas, NHEC desires to facilitate its member's renewable generation activities and desires to obtain RECs and encourage renewable generation in a manner most beneficial to all its members. NHEC has received New Hampshire Public Utilities Commission (NH Puc) approval as an Independent Monitor as that term is defined by the NH Puc rule 2505.09

Now, therefore, in accordance with the foregoing and in consideration of the mutual promises and agreements set forth herein, NHEC and Member agree to the following provisions:

1. Metering

Member will install or cause to be installed a generation meter socket at an exterior location accessible by a NHEC meter technician and electrically connected in such a way as to measure the electrical energy produced by the Member-Sited Renewable Source.

NHEC will install, maintain and read the revenue-quality meter that meets the regulatory requirements to record the generation of the Member Sited Renewable Source.

2. Member Options

Member agrees to the following option (as indicated by marking an X at one option below):

 A. **NHEC will monitor renewable generation for informational purposes only.** NHEC *will* charge a monthly Monitoring Fee (Please refer to NHEC's current schedule of Fees, Charges & Rates for the current monitoring fee) as applicable at the time of billing. This fee will be charged as part of Member's normal billing from NHEC. This fee is subject to change by the NHEC Board of Directors. Upon request, NHEC will provide the Member with an annual report of the generation of the Member Sited Renewable Source. Under this option, no application or reporting will be made to the NH Puc; therefore, no RECs are produced.

 B. **Allow NHEC to have the RECs.** NHEC *will not* charge a Monitoring Fee. With the cooperation and assistance from the Member, NHEC will complete and file an application with the NH Puc to request certification of the Member-Sited Renewable Source for production of RECs. Once approved by the NH Puc and in accordance with the rules and regulations, at least annually NHEC will report the generation of the Member-Sited Renewable Source to the NH Puc and to the New England Power Pool Generation Information System (GIS). Upon request, NHEC will provide the Member with an annual report of the generation of the Member-Sited Renewable Source. NHEC will retain ownership of the RECs reported. Member agrees to forfeit rights to market or advertise the Member-Sited Renewable Resource's facility as being powered by a renewable, alternative, clean, or environmentally friendly source, in accordance with applicable laws regarding REC ownership and retirement. Member warrants that it has not sold the RECs to any other entity.

X C. Sell the RECs to NHEC. NHEC will charge a monthly Monitoring Fee (Please refer to NHEC's current schedule of Fees, Charges & Rates for the current monitoring fee) as applicable at the time of billing. This fee will be charged as part of Member's normal billing from NHEC. This fee is subject to change by the NHEC Board of Directors. With the cooperation and assistance from the Member, NHEC will complete and file an application with the NH Puc to request certification of the Member-Sited Renewable Source for production of RECs. NHEC will report the generation of the Member-Sited Renewable Source to the NH Puc and to the New England Power Pool Generation Information System (GIS). NHEC will retain ownership of the RECs reported. Member agrees to forfeit rights to market or advertise the Member Sited Renewable Resource's facility as being powered by a renewable, alternative, clean or environmentally friendly source, in accordance with applicable laws regarding REC ownership and retirement. Member warrants that it has not sold the RECs to any other entity. After the annual report to the NH PUC has been completed and in accordance with Section X of NHEC's Terms and Conditions. Annually, NHEC will either pay the Member or credit the Member's electric service account, the applicable REC Payment Price (see Article 5 below for definition) for each REC produced measured in whole megawatt-hours of generation only.

 D. Do Nothing. Member elects to not choose any of the three options listed above and not involve NHEC in the REC process.

3. Term

The Term of this Agreement shall begin on the Received Date and continue perpetually until either Party provides the other Party with 90 days written notice to terminate this Agreement, or until Member terminates his electric service account with NHEC for service at the location of the Member Sited Renewable Source.

4. Additional Member Responsibilities

Member shall notify NHEC of its intent to change its option as determined in Article 2. Member and NHEC shall execute a replacement Agreement when such a change is made.

Member shall notify NHEC of any transfer ownership of the service location.

Member shall notify NHEC of any changes to equipment relative to the Member-Sited Renewable Source including, but not limited to, increase in capacity, removal or major renovation.

5. Applicable REC Payment Price

Annually, NHEC will determine prices for RECs in accordance with this Agreement. The Applicable REC Payment Price will be based, in part, on the type of generation and on Class of REC it is certified as by the NH Puc. The Applicable REC Payment Price shall be valid for a given calendar year only.

IN WITNESS WHEREOF, and intending to be legally bound, the Parties have executed this Agreement by their undersigned duly authorized representatives as of the Effective Date hereof.

Member

New Hampshire Electric Cooperative, Inc.

Signature: Sam E. Harwood

Name: Sam E. Harwood

Date: 5/20/16

Title: Member

Signature: [Handwritten Signature]

Name: KATE MCNEIL

Date: 5.20.16

Title: Program Administrator

EXHIBIT E

NHEC Approves of the Customer Sited Source Listed Below

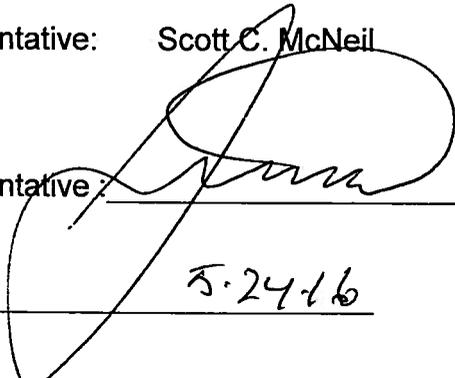
Owner Name: Gary Harwood

Project Address: 419 Paine Rd, Easton, NH 03580

Type of Project: Solar PV

Date REC meter set: 5/20/2016

NHEC Representative: Scott C. McNeil

NHEC Representative: 

Date: _____

5.24.16