



2023 Solar & Battery Interconnection Application

What's new in 2023...

A new mailbox has been created to accept interconnection application documents only.

Send Step 1, Step 2, line drawings, battery forms, mutual indemnity & REC agreements to: interconnection@nhec.com

- 1. Utility accessible disconnects are required for all PV interconnections.**
Utility accessible disconnects shall be combined with the production meter equipment or be installed directly adjacent to or within reach of the production meter equipment.
- 2. One-Line drawings are required for all PV & battery interconnections.**
One-line drawing section (page 7) lists detailed instructions.
One-line drawings are required to show all components of the PV & battery system exactly as it will be wired by the electrician. Production meter & utility accessible disconnect equipment shall be noted "exterior utility accessible". Production meter wiring terminations shall be noted "line to solar – load to utility".
- 3. An installer checklist (page 9) has been created to assist installers with verifying the completion of specific PV construction components.**
The checklist shall be completed in its entirety by the installing electrician and administrative personnel then submitted with step 2.
- 4. Photo documentation of the project is required to be submitted with Step 2.**
Central inverter & nameplate
Micro inverter & nameplate
Battery equipment nameplate
Utility accessible disconnect
Net meter & production meter equipment labeling as directed by Step 2
Production meter equipment height measured with tape from grade
Production meter equipment located within 10 feet proximity of LP gas tanks and LP gas regulators.
- 5. A Transactive Energy Rate or TER program is under development with more information to be announced on the NHEC website.**
TER devices which are export-capable will require interconnection application submittal.



New Hampshire Electric Cooperative (NHEC) Introduction to Net Metering

NHEC has developed a Hosting Capacity Map tool that helps our members, installers, and developers with the interconnection process. It shows graphically on a map what the hosting capacity of the NHEC system is at each point in the distribution system. It also provides information about substations, voltages and phases that can be useful. This tool is a guide for informational purposes only. [See Hosting Capacity Map](#)

NHEC supports the development of member-sited renewable energy generation and storage facilities (referred to herein as an interconnection-facility) by providing net metering, which is enabled by the installation of a bi-directional meter that allows you to offset your electricity requirements and to export surplus energy into our distribution system.

NHEC will offer a Transactive Energy Rate (TER), which allows devices that export energy to receive a bill credit. If you wish to register a device for the TER that exports, such as a battery, you will need to complete the interconnection application.

If you are planning to install an interconnection-facility and connecting to NHEC's grid, you must receive approval from us.

This Application package assists us with evaluating your proposed interconnection-facility and to ensure its operation will not adversely affect our electrical distribution system.

Please begin with the required steps below:

1. Along with your installing contractor, read [NHEC's Terms and Conditions in particular, Section X – Net Metering](#)
2. Review the net metering rates in [NHEC's Schedule of Rates](#).
3. Once you finalize your interconnection-facility plans, fully complete and submit Step 1- Net Metering Interconnection-Facility Application Forms.
4. If you have a competitive power supplier, we strongly recommend contacting them to learn of their net metering policy prior to facility construction.

Interconnection-Facility Application Process

There are **two steps** required to complete the interconnection-facility application:

Step 1 – Net Metering Interconnection-Facility Application Form

- This form is a two-page document listing the applicant, project site, generator and inverter data, contractor, and electrician information. The Step 1 form shall be completed in full, submitted, reviewed, and accepted by NHEC before installation begins. Incomplete forms will not be accepted.
- An Application Fee will be charged for proposed systems with an inverter nameplate rating greater than 10 kW AC. Additions to existing interconnected facilities that in total are greater than 10 kW AC will also be subject to an Application Fee. (We will contact you to arrange for fee payment) Please note that additions to existing “Below the Cap” interconnected facilities may move to “Above the Cap”.
- An accepted Step 1 form is entered into a queue and assigned a queue number* and receipt date. The applicant and/or contractor will receive application acceptance notification via mail or email.
- Line design assessment and/or system impact studies may be required. Applicants are responsible for all costs associated with interconnection to the grid. If NHEC determines that a system upgrade assessment is required to safely interconnect the proposed facility, a Line Design Fee will be assessed for us to visit the site, design the upgrade, and estimate the construction cost. (We will contact you to arrange for design fee payment)
- Projects which require system impact study, submittals with step 1 shall include a Generator & Inverter Datasheet; UL 1741 SA/SB Certification document and Anti- Island detection information document. Before operation, submittals with step 2 shall include an Inverter settings document.
 - If system upgrades are necessary, a system upgrade cost estimate will be provided for you to review, sign, and submit to us.
 - Once the construction payment is received we will schedule the system upgrade that, when completed, allows you to begin building your interconnection facility.
 - Note: proposed systems with an inverter nameplate rating greater than 36 kW single phase or 108 kW three phase shall require a separate System Impact Study.
- Systems are required to have an approved member-installed exterior production meter socket to accept an NHEC monitoring meter. Unless approved in advance the meter socket installation shall comply with standards listed in the [NHEC Member Handbook – Section 4 Metering](#).
- Exterior utility accessible disconnects for production meters are required for all PV & battery systems.
- One-line drawings are required for all PV systems and installations with battery storage/backup. Reference the one-line diagram page for detailed instructions.

Step 2 Net Metering Completion Forms

- The installer checklist has been developed to assist electricians & administrative personnel with verifying completion of critical tasks before NHEC schedules the utility inspection. The checklist is completed & submitted with Step 2 completion forms.
- Photo documentation of the project is required to be submitted with Step 2.
 1. Central inverter & inverter nameplate
 2. Micro inverter & micro inverter nameplate
 3. Battery equipment nameplate
 4. Utility accessible disconnect
 5. Net meter & production meter equipment labeling as directed by Step 2
 6. Production meter equipment height measured with tape from grade
 7. Production meter equipment location if in 10 feet proximity of LP gas tanks and LP gas regulators.
- Completion forms are submitted after the project is installed and tested by the electrician. Step 2 must be completed in full. Incomplete forms will not be accepted. Utility inspection is scheduled after the Step 2 Completion Forms, the installer checklist, photo documentation, Mutual Indemnity Agreement, and the Renewable Energy Certificate (REC) Member Agreement receipt. Following utility inspection, interconnection is approved by a NH Electric Cooperative representative.
- Submit interconnection documents by email to: interconnection@nhec.com
- Submit general correspondence by email, mail, or fax to: New

Hampshire Electric Cooperative, Inc.
Attn: Scott C. McNeil
579 Tenney Mountain Highway
Plymouth, NH 03264
Phone - 603-536-8608 / Fax - 603-536-8698
mcneils@nhec.com

*** The Queue Number:**

- Identifies a position relative to our available grid capacity
- Is a ranking process that indicates the order in which Interconnection Applications have been received.
- Establishes a priority order in which requests will be processed (i.e. reviews and engineering studies).
- By establishing a queue, we can determine which resource has triggered the need for circuit upgrades.
- Interconnection Applications are held in queue for 12 months following the receipt date of complete Applications. Any change to the original Application relative to an increase of the AC inverter nameplate rating will require the applicant to re-apply for interconnection. Upon re-application, the applicant will be assigned a new queue number and acceptance date.

STEP 1 - NET METERING INTERCONNECTION-FACILITY APPLICATION FORM CONTINUED

Contractor information

Contractor Name: _____
Mailing Address: _____ City: _____ State: _____ Zip: _____
Phone Number: _____ email: _____
Proposed Start Date: _____ Proposed Completion Date: _____

Electrician information

Self-installation (circle one): Yes No

Electrician Name: _____ State of NH Electrician's License #: _____
Mailing Address: _____ City: _____ State: _____ Zip: _____
Phone Number: _____ email: _____

I have read and understand NHEC's Terms and Conditions Section X – Net Metering, the current Schedule of Rates, and the guidance of this Interconnection-Facility Application. I authorize NHEC to provide my account information as requested to the listed installing contractor. This authorization expires upon system interconnection.

Applicant Signature: _____ Date: _____

To be completed by New Hampshire Electric Cooperative

Acceptance of Step 1 Interconnection-Facility Application is contingent upon NHEC's Terms & Conditions.

Application Fee required (circle one): Yes No If yes, Fee Amount \$ _____

System Assessment required (circle one): Yes No If yes, Fee Amount \$ _____

Service Order # _____

NHEC Representative Signature: _____

Print Name: _____

Application Queue# _____ **Date:** _____

One-Line Diagram

Please include a one-line diagram of proposed interconnection-facility installation. Diagram must indicate the generator's electric grid interconnection point in relation to the member-generator's service panel and the NHEC meter socket. Applications without such a diagram will not be accepted.

Projects which require system impact study, the diagram shall also include the existing Billing/Net Meter, service transformer (Size, Type), distributed resources POI (Point of Interconnection), POC (Point of common coupling), show the demarcation of utility & member owned equipment.

Diagrams shall include the production meter socket & utility accessible disconnect.

Diagrams shall include supplemental notes identifying the production meter socket & utility accessible disconnect as "exterior located".

Diagrams shall include supplemental notes identifying production meter wiring terminations as "line to solar – load to utility".

Diagrams are required for:

- 1. All Proposed Interconnection-Facilities***
- 2. Battery Storage / Backup Installations***

Attach one-line diagram. Include any other pertinent technical information. (A legible handwritten sketch is permitted)

STEP 2 - NET METERING INTERCONNECTION-FACILITY COMPLETION FORM

To be completed by System Contractor

Name: _____

Company: _____

Company Address: _____

The system has been installed as specified in Step 1 - Net Metering Application Form:

Signed (Contractor): _____ Date: _____

To be completed by Town Inspector or installing electrician if town has no inspector:

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

City: _____ County: _____

Town Inspector or Installing Electrician Signature:

Signature: _____ Date: _____

Print Name: _____

To be completed by Installing Electrician

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

Net Meter label



Solar Generation (REC) Meter label



- The load-break (witness) test required by NHEC's Terms and Conditions - Section X.2(f)(4)(a) has been successfully completed
- The system equipment is listed to Underwriters Laboratories standards to be in compliance with UL1741 SA and IEEE 929-2000
- The renewable generating installation complies with applicable federal, state and local laws, ordinances and regulations.

Installing Electrician Signature: _____

Print Name: _____ Date: _____

STEP 2 - NET METERING INTERCONNECTION-FACILITY COMPLETION FORM
CONTIUNED

To be completed by Applicant

Applicant agrees to install and operate the system in accordance with NHEC's Terms & Conditions and provide NHEC a written update if any changes or additions occur including property transfer of ownership.

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

Signature of NHEC Applicant: _____ Date: _____

Once NHEC receives **Step 2 - Net Metering Interconnection-Facility Completion Form**, a NHEC representative will contact you to schedule a date and time for a site visit to verify the installation, install meters, and perform the required utility witness test.

To be completed by NHEC – INTERCONNECTION-FACILITY INSPECTION AND WITNESS TEST:

- Installation is installed as specified in **Step 1 - Net Metering Interconnection-Facility Application Form**
- Utility Load Break (Witness) Test has been successfully completed.
- NHEC Inspection and Interconnection has been completed by:

Signature: _____

Print Name: _____ Date: _____

The Interconnection-Facility has permission to operate with Net Metering.

In the event there are conditions preventing safe interconnection and proper interconnection operation, NHEC will notify the member. The member may not interconnect or initiate interconnection operation until such conditions are corrected and written notification has been provided to NHEC at least 10 days in advance of interconnection or parallel operation.

Solar Installer Completion Checklist

Project Name & Address: _____

All items below are to be checked off and signed by the authorized installer representative.

The completed checklist shall be submitted to NHEC with Step 2 (COC) by the solar contractor to initiate the inspection and meter swap scheduling by an NHEC technician.

To be checked off and completed by the installing electrician:

- Production meter equipment installed at the approved height 5 – 5.5 feet to the meter center measured from grade.
- Production meter equipment terminations are wired line to solar and load to utility.
- Production meter equipment is spaced a minimum 10 feet from LP gas regulators or LP gas tanks.
- Net and production meter equipment labels have been affixed with language as specified on step 2 (COC). Labels shall be red with white lettering.
- Power to the production meter equipment at the utility accessible disconnect is ready to be turned on and energized without premise entry.
- Photos are recorded and submitted to the installer’s administrative personnel.
 - 1) Central inverter nameplate (or)
 - 2) Micro inverter nameplate
 - 3) Utility accessible disconnect (when required)
 - 4) Battery system components and nameplates (if applicable)
 - 5) Net meter and production meter labeling red with white lettering and language as directed on step 2.
 - 6) Production meter equipment height from grade measured with a tape to the center of the meter.
 - 7) Production meter equipment location if in 10 feet proximity of LP gas tanks and LP gas regulators.

The installing electrician herewith attests that all the above items have been completed.

Name: _____

Date: _____

To be checked off and completed by the contractor administrator:

- Step 2 pages 1 and 2 have been submitted to NHEC.
- The mutual indemnity form has been submitted to NHEC.
- The REC agreement forms have been submitted to NHEC.
- The completion photos have been submitted to NHEC.

The solar contractor herewith attests that all the above items have been completed.

Name: _____

Date: _____

Within 10 business days receipt of step 2 (COC), an NHEC technician shall install the proper meters.

NHEC shall notify a member within 5 business days of the meter installation that the interconnection facility is approved for operation and may be energized.

Second trips by an NHEC technician to the property due to unacceptable installation practices may be billed for labor to the installer or electrician.

MUTUAL INDEMNITY AGREEMENT
Per NHEC T&C Section X.2. (11)(a)(2) & NH PUC 904.03

“Each Party shall hold harmless and indemnify the other Party and its directors, officers, agents, and employees against any and all loss, liability, damage, or expense, including any direct, indirect or consequential loss, liability, damage, or expense, but not including attorneys’ fees unless awarded by a court of competent jurisdiction, for injury or death to persons, including employees of either Party, and damage to property, including property of either Party, arising out of or in connection with intentional, willful, wanton, reckless or negligent conduct regarding (a) the engineering, design, construction, maintenance, repair, operation, supervision, inspection, testing, protection or ownership of the Party’s facilities, or (b) the making of replacements, additions, or improvements to, or reconstruction of, the Party’s facilities. However, neither Party shall be indemnified hereunder for any loss, liability, damage, or expense resulting from its sole negligence or willful misconduct. Notwithstanding the indemnity provisions contained herein, except for a Party’s willful misconduct or sole negligence, each Party shall be responsible for damage to its own facilities resulting from electrical disturbances or faults.”

<u>Member</u>	
_____	Eligible Member-Generator (sign)
_____	Eligible Member-Generator (print)
_____	Date Signed

<u>To be completed by New Hampshire Electric Cooperative, Inc. (NHEC)</u>	
_____	Signature
By its _____	Title of Authorized Utility Personnel
_____	Typed or Printed Name of Utility Representative
_____	Date Signed

Renewable Energy Certificates Instructions

Renewable Energy Certificates (RECs) are part of a regulatory system created by state law and are designed to establish a financial market which recognizes, quantifies and permits the purchase and sale of the environmental value of producing electricity using renewable sources such as hydro, wind, solar, biomass, or landfill gas. One REC represents the environmental value of one megawatt-hour (MWh) of renewable generation. In this way, the owner of a renewable power generator may be rewarded with an additional monetary benefit for each MWh of renewable energy produced.

While anyone can purchase RECs, most are purchased by electric utilities, which are required by state law to own predefined quantities of RECs tied to a percentage of their total annual electricity sales. These predefined quantities are called the Renewable Portfolio Standard (RPS). At its discretion, NHEC is a purchaser of RECs and acquires RECs from a variety of sources. RECs are governed by a regulatory process with the New Hampshire Public Utilities Commission (NH PUC). The NH PUC process is governed by statute and rules that can be found in the following websites:

[NH Renewable Portfolio Standard RSA 362-F](#)

[NH Public Utilities Commission – PUC 2500 Rules](#)

The regulatory process to qualify a renewable generator for production of RECs includes the Renewable Energy Certificate Member Agreement that must be completed by the member-generator, submitted to NHEC who forwards to the NH PUC for approval and filing. Additionally, when a renewable resource is net metered, referred to as a Member-Sited Source, it must also have an approved monitor. NHEC has been approved by the NH PUC as a monitor. Among other responsibilities, in order to monitor a Member-Sited Source, NHEC will install a generation (REC) meter to record the amount of electric energy the resource generates, routinely read and maintain the generation meter, and report to the NH PUC on a regular basis. NHEC may charge a monthly Monitoring Fee. Please refer to our website for the current fee.

The billing statements you receive from NHEC are based on kilowatt-hours (kWh) of usage. One REC is equal to one megawatt-hour (MWh) of renewable generation. It takes 1,000 kWh to produce one MWh. Unfortunately, the regulatory process that governs RECs does not recognize or allow the sale of renewable generation in increments less than one MWh. Accordingly, “partial” RECs are not counted or traded and do not carry forward. Therefore, your renewable energy source must generate at least 1,000 kWh within a calendar year before a REC is produced. Member-generators who are planning to install a renewable energy source that is net metered have four choices regarding their aggregation of the RECs:

- A. *NHEC will monitor renewable generation for informational purposes only.* In addition to inspecting the interconnection-facility and installing a net meter on your account, NHEC will install a generation meter to record the electric energy produced by your renewable interconnected facility. Under this option, you will not accrue RECs and no application is filed with the NH PUC. Upon request, NHEC will provide you with an annual report of your self-generation. NHEC will charge a monthly Monitoring Fee (please reference NHEC’s Schedule of Fees, Charges and Rates). If this is your choice, please initial Option A of the Renewable Energy Certificate Member Agreement.

- B. Contribute the RECs to NHEC. In addition to inspecting the interconnection facility and installing a net meter on your account, NHEC will install a generation meter to record the electric energy produced by your renewable interconnected facility. NHEC will complete an application to be filed with the NH PUC for their approval of your qualifying RECs. NHEC will report the annual renewable generation information to the NH PUC in accordance with their rules and regulations. Upon request, NHEC will provide you with an annual report of your renewable generation. NHEC will not charge a monthly Monitoring Fee. Under this option, you would be helping NHEC meet its RPS requirement. If this is your choice, please initial Option B of the Renewable Energy Certificate Member Agreement.
- C. Sell the RECs to NHEC. In addition to inspecting the interconnection facility and installing a net meter on your account, NHEC will install a generation meter to record the electric energy produced by your renewable interconnected facility. NHEC will complete an application, to be filed with the NH PUC for their approval of your qualifying RECs. NHEC will report the annual renewable generation information to the NHPUC in accordance with their rules and regulations. Annually, NHEC will either make a payment to you by check or credit your account for the RECs generated by your renewable source. NHEC will charge a monthly Monitoring Fee. If this is your choice, please initial Option C of the Renewable Energy Certificate Member Agreement.
- D. Do Nothing. You may elect to not choose any of the three options listed above and thereby not involve NHEC in the REC process. In addition to inspecting the renewable interconnection facility and installing a net meter on your account, NHEC will install a generation meter to record the electric energy produced by your facility for administrative purposes only. NHEC will not charge a monthly Monitoring Fee. Under this option, NHEC will not report the annual renewable generation information to the NH PUC. If this is your choice, please initial Option D of the Renewable Energy Certificate Member Agreement.

Please note this is an ever-changing marketplace. Other options and state rules may apply in the future.

All four options listed in the Agreement will require NHEC to install a renewable generation meter in an approved meter socket installed by your electrician. The meter socket must be installed at an approved exterior location accessible by a NHEC meter technician. Approved meter sockets and meter locations can be found in NHEC Electric Service Handbook.

Please note that the information in this document relates to your Renewable Energy Interconnection Facility only and does not change any of the other Rates, Fees and Charges applicable to your account.

If you have any questions regarding the information in this document, please call Scott McNeil at 603-536- 8608.

RENEWABLE ENERGY CERTIFICATE (REC) MEMBER AGREEMENT

THIS AGREEMENT is hereby entered into this __ day of _____, __ (received date) between New Hampshire Electric Cooperative, Inc. (herein NHEC), having principal offices at 579 Tenney Mountain Highway, Plymouth, NH 03264 and its member, _____ 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 listed in **Step 1 - Net Metering Interconnection-Facility Application Form**

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 2505.10.

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

In accordance with the Interconnection Facility Application Process instructions, Member will install or cause to be installed a generation meter socket at an approved exterior location accessible to 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. Term

The Term of this Agreement shall begin on the Received Date and in accordance with the current NH PUC 2500 rules and continue perpetually until either Party provides the other Party with 90 days written notice to terminate this Agreement, or until Member terminates their electric service account with NHEC for service at the location of the Member Sited Renewable Source.

3. Member Options

Choose and initial one of the following options:

_____ 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. Contribute the RECs to NHEC. 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 will not sell the RECs to any other entity.

_____ 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. . Annually, NHEC will either pay the Member by check or credit the Member's electric service account, the applicable REC Payment Price 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. NHEC will not charge a monitoring fee.

4. Additional Member Responsibilities

Member shall notify NHEC of its intent to change its option as determined in Article 3. Member and NHEC shall execute a replacement Agreement when such a change is made. Member shall notify NHEC of any account transfer of ownership. Member shall notify NHEC of any changes to equipment relative to the Facility including, but not limited to, increase in capacity, removal or major renovation.

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
Signature: _____
Name: _____
Date: _____
Title: _____
Email: _____

To be completed by
New Hampshire Electric Cooperative, Inc.
Signature: _____
Name: _____
Date: _____
Title: _____



NEW HAMPSHIRE ELECTRIC COOPERATIVE (NHEC)

BATTERY STORAGE / BACKUP SUPPLEMENTAL FORM

Please complete this form prior to installing a battery storage / battery backup as part of your proposed interconnection facility or if you are adding to an existing interconnection facility.

Complete all sections and submit this form along with the STEP 1 Net Metering Interconnection Facility Application Form.

1. Will the battery be an addition to an existing member-generator’s interconnection facility? Yes No

2. Battery Function

Table with 4 columns: (DC Coupled - No Export) with Solar, Yes No , (DC Coupled - Export), Yes No , (AC Coupled - Export) with Solar, Yes No , (AC Coupled - No Export) with Solar, Yes No , (AC Coupled - Export), Yes No , Other:

3. Does the battery share an inverter with a Renewable Energy system? Yes No

If Yes, can the battery be charged from the NHEC electric distribution grid? Yes No

If No, describe how the battery is prevented from being charged by the electric distribution system.

Three horizontal lines for text input.

4. Battery Information

Battery System Manufacturer: _____ Model: _____

Quantity: _____ Battery Type: _____ Battery Voltage: _____

System Power – kW: _____

System Capacity – kWh: _____

Inverter UL 1741 SA/SB Listed: Yes No DC Source/Prime Mover: _____

5. Intended Use and Operation

1. How will the system operate under normal and off-grid conditions – how will the battery disconnect and reconnect to the grid? _____

Horizontal line for text input.

2. What type of switching will be installed? _____ Is it self-contained or will it utilize separate components (example: a self-contained device with DC to AC inverter, battery charger, and integrated AC transfer switch)? _____

Horizontal line for text input.

6. Attach a one-line diagram to this document. Label the various equipment (inverter(s), charge controllers, switches, etc.).

7. Limited System Import/Export: Please describe with drawing how the system will achieve Limited Import/Export and specify all the required equipment. Support with appropriate data sheets.

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

Member Signature: _____ Date: _____