

## **X. Net Metering**

### **X.1 Net Metering & Group Net Metering - Below the Cap**

#### 1. Applicability

“Below the Cap” net metering services shall be made available to eligible NHEC customer-generators as specified by NH RSA 362-A: 9 and the applicable NH Puc 900 Rules. These Below the Cap net metering terms and conditions apply to member-sited renewable generation systems for which Interconnection Applications were filed before May 1, 2015, and which were interconnected on or before December 31, 2015, without material changes from the specifications stated in the Interconnection Application.

#### 2. Interconnection

Any member or entity planning to operate a generating facility and connect it to NHEC's facilities must receive approval from the Cooperative prior to connecting the generating facility to NHEC's facilities. A generating facility is any device producing electrical energy which can range in size from a small, residential photovoltaic solar installation to a large commercial generating facility.

#### 3. Increase in size of Generator

Existing member-sited renewable generation systems which are net metering pursuant to these “Below the Cap” net metering terms and conditions and the NH Puc 900 Rules will continue to do so unless and until such time as there is an increase in the system’s inverter size or for non-inverter systems, the size of the generator and the interconnection application for this change is submitted after May 1, 2015, in which case the member-generator will be subject to the “Above the Cap” net metering Terms and Conditions and rates. See, Section X.2 through X.6 (“Net Metering & Group Net Metering- Above the Cap”) of these Terms and Conditions and the “Net Metering Above the Cap” section of the Cooperative’s *Schedule of Fees, Charges and Rates*.

#### 4. Banked KWH

When an existing “Below the Cap” net metering system moves to “Above the Cap” net metering NHEC will compensate for any banked kWh at the NHPUC avoided cost rate as provided in accordance with PUC Rule 903.02(i) for the prior year.

## **X.2 Net Metering & Group Net Metering General Information - Above the Cap**

### 1. Applicability

- a. As used herein, the terms, "member-sited renewable generation systems" and "member-generator" have the same meaning as the terms "eligible customer-generator" and "customer-generator" as used in RSA 362-A:1-a and the NHPUC 900 Rules.
- b. These "Above the Cap" Net Metering Terms and Conditions apply to member-sited renewable generation systems for which Interconnection Applications were filed on or after May 1, 2015, or were interconnected after December 31, 2015.
- c. These "Above the Cap" Net Metering Terms and Conditions shall also apply to existing member-sited renewable generation systems which increase the size of their inverter or for non-inverter systems, the size of the generator after December 31, 2015 or the interconnection application for this change was submitted after May 1, 2015.
- d. Net metering for all other systems is governed by Section X.1 of these Terms and Conditions (Net Metering and Group Net Metering below the Cap) and the NH Puc 900 Rules.

### 2. General Requirements

Member-generators that engage in net energy metering in the Cooperative service area shall comply with:

- 1) Applicable Cooperative Terms and Conditions.
- 2) Any local, state or federal law, statute or regulation which applies to the design, siting, construction, installation, operation, or any other aspect of the member-generator's generating and interconnection facility.
- 3) All Interconnection requirements of the Cooperative as set forth in the Cooperative's Terms and Conditions and Handbook for Electric Service.
- 4) The handbook is available on the Cooperative website.
- 5) Interconnection with the Cooperative's distribution system shall not authorize a member-generator to utilize the Cooperative's electric distribution system for the transmission or distribution of electric power.
- 6) The Cooperative shall have the right to review the design of a member-generator's generating and interconnection facility and to inspect such facility prior to the commencement of operation.
- 7) The Cooperative may require a member-generator to make modifications to its facility as necessary to comply with the requirements of existing Terms and Conditions.
- 8) The Cooperative's review and authorization for operation shall not be construed as confirming or endorsing the member-generator's design or as warranting the generating or interconnection facility's safety, durability or

reliability.

- 9) The Cooperative shall not, by reason of such review or lack of review, be responsible for the strength, adequacy, or capacity of such facility's equipment.
- 10) A member-generator's generating and interconnection facilities shall be reasonably accessible to the Cooperative's personnel as necessary for the Cooperative to perform its duties and exercise its rights under its Terms and Conditions.
- 11) Any information pertaining to a generating or interconnection facility provided to the Cooperative by a member-generator shall be treated by the Cooperative in a confidential manner.
- 12) A member-generator shall operate and maintain its generating and interconnection facility in a manner that is as safe, dependable and efficient as practical.
- 13) Member-generators shall be responsible for all costs associated with the interconnection to the Cooperative's distribution system.
- 14) The member-generator's electrical generating facility shall have a total peak generating capacity not to exceed one megawatt.
- 15) The member-generator's account must be current on their payments. Accounts overdue 30 days or more must be paid in order to remain in good credit standing and to participate in net metering.

### 3. Metering Requirements

- a. The Cooperative makes net energy metering available to member-generators.
- b. Metering for this type of service shall be done in accordance with normal Cooperative metering practices as follows:
  - 1) All member-generators shall have metering that records the amount of electricity that is delivered to the member-generator by the Cooperative ("Delivered Energy") and the amount of electricity that is received by the Cooperative's distribution system from the member-generator ("Exported Energy"). Such metering shall record measurements instantaneously or over intervals of an hour or less.
  - 2) All "Above the Cap" member-generator installations shall include the installation of an approved meter socket to accommodate a Cooperative-owned generation meter measuring the flow of electricity from the generator to the member's premises. This meter equipment must be installed at an exterior location in accordance with NHEC's *Handbook for Electric Service*. The approved meter socket list and *Handbook* are located on NHEC's website site. When an existing member-sited renewable generation system increases the size of their inverter or for non-inverter systems, the size of the generator after December 31, 2015 and becomes an "Above the Cap" system, a generation meter is required to be installed or, if existing, to be relocated as described above.

- 3) For NHEC monitoring and aggregation of Renewable Energy Certificates, multiple systems of the same design must be wired such that they run through the same meter.

#### 4. Pre-application Review

Before purchasing or installing net energy metering equipment, a member-generator may request that the Cooperative informally review the proposed project and provide information on:

- 1) Whether the member-generator's generation facility and electric grid interface unit, in the opinion of the Cooperative, is likely to comply with the Cooperative's requirements.
- 2) Whether the member-generator is in an area or service location which is likely to require any type of system upgrade or a study to ascertain possible upgrade requirements.

#### 5. Interconnection Application

- a. To initiate the process to engage in net energy metering, a member-generator shall file with the Cooperative, an interconnection application form.
- b. The form is available on the Cooperative website.
- c. When filing an application with the Cooperative, to obtain evidence of the filing and the date of filing, the applicant shall:
  - 1) File the application by certified mail; or
  - 2) Obtain a dated acknowledgment of receipt from the Cooperative; or
  - 3) Obtain written or electronic verification of receipt from the Cooperative by other means.
- d. Upon request, the Cooperative shall provide the member-generator written confirmation that the interconnection application has been received.
- e. When the Cooperative provides a receipt for an application it may clarify that the receipt acknowledges the date and fact of a filing, but not the approval of the filing.

#### 6. Application Completeness Review

- a. The review process will begin when the member-generator submits an interconnection application.
- b. The Cooperative will evaluate the application for completeness and notify the member-generator in writing within 10 business days of the application's receipt whether the application is or is not complete and, if the application is not complete, inform the member-generator in writing what information is missing.
- c. The Cooperative will verify that the member-generator's listed equipment meets all

- requirements.
- d. If the Cooperative determines that interconnection of the member's generation facility would jeopardize the safety, reliability or power quality of the local distribution system, the Cooperative shall require the member-generator to pay for necessary modifications to the distribution system before the application is determined to be complete.
  - e. In the event that the Cooperative requires the member-generator to pay for system modifications the Cooperative shall provide the member-generator a description of work and an estimate of the cost of those modifications required for approval.
    - 1) If the member-generator agrees to pay for the system modifications, the member-generator shall sign the description of the work and submit a signed copy with the payment of the estimated costs.
    - 2) Upon receipt of the member-generator's approval and payment, the Cooperative shall perform the system modifications.
  - f. Upon completion of the system modifications, the Cooperative will notify the member-generator that the application is complete.
7. Installation and Interconnection of Generation Facility
- a. Upon receipt of notification from the Cooperative that the application is complete, the member-generator may install the generating facility.
  - b. Following installation of the generation facility, the member-generator shall arrange for inspection of the completed installation by the local building inspector or, if one is not available, a New Hampshire licensed electrician.
  - c. The person who inspects the installation pursuant to (b) above shall sign the application indicating compliance with all code requirements.
  - d. The member-generator shall perform a witness test. When completed, they will notify the Cooperative that the system is ready for inspection. The following is the witness test process:
    - 1) After installation of the generation facility and before final approval and interconnection to the electric grid, the member-generator shall, in addition to the certifications required in connection with the interconnection application, conduct a load-break test on the generator, as described below, to confirm that the anti-islanding controls are functioning.
    - 2) When conducting a load-break test, the member-generator shall demonstrate that after the main disconnect switch or circuit breaker of the residence or building is opened, the generation unit shuts down within 2 seconds.
    - 3) If the generation unit fails to shut down within 2 seconds after conducting the test as provided in (2) above, the member-generator shall remedy the fault, re-conduct load-break test and sign the application verifying the witness test has been

- completed.
- 4) The member-generator shall provide an initial test on a non-inverter interfaced system, by demonstrating that:
    - i. The relays function as designed;
    - ii. The relays have been calibrated to settings as provided by the Cooperative as stated in section (X.2.11.a.8)
    - iii. All key components of the system function as designed; and
    - iv. The anti-islanding function of the unit works properly.
    - v. The testing of the relays of a non-inverter interfaced system shall be conducted by an individual that utilizes test equipment:
      - (a) Necessary to adequately test the key components of the system;
      - (b) That it is calibrated within tolerances sufficient to assure accurate testing;
      - (c) That it is calibrated with a frequency consistent with industry standards;
    - vi. The individual conducting the test has received the education and training necessary to conduct the sophisticated testing of relays and other components of a non-inverter based generator; and
    - vii. Maintains any professional accreditation or certification necessary for the testing of this nature.
    - viii. The individual conducting the testing of a non-inverter based system required by this section shall, upon request, provide the Cooperative information on his or her background and credentials, and equipment, maintenance and calibration of the equipment sufficient to allow the utility to assess the individual's competence to undertake the required testing.
    - ix. Upon request, the member-generator shall allow the Cooperative to have a representative present for the initial or periodic testing required by this section.
    - x. When verification of the installed relay functions have been completed, indicating that they conform to the installation design (as described per "i." through "iv." above), the member-generator shall sign the application providing confirmation the witness test has been performed.
  - 5) Prior to operation, during normal business hours, the member-generator shall provide the Cooperative the opportunity to inspect the unit. Upon request, the member-generator will demonstrate to the Cooperative the operation of the unit. The Cooperative will perform the final inspection. If the results indicate that the generation facility is appropriately installed and functioning without jeopardizing the safety, reliability or power quality of the distribution system, the Cooperative shall sign the interconnection application stating the application is authorized and provide a copy of the application to the member-generator.
- e. If the member-generator does not substantially complete construction within 12

months after receiving application approval from the Cooperative, the Cooperative shall require the member-generator to reapply for interconnection. Each Interconnection Application will be issued a queue number based on the time and date received by the program administrator. The “queue” identifies a position for installation relative to available grid capacity.

#### 8. Upgrades or Changes in the Net Metering System

- a. A new Interconnection application shall be required for any proposed addition, change or upgrade to the member-generator’s system affecting the systems’ operational characteristics, including, but not limited to:
  - 1) The generation capacity is increased or its source is changed;
  - 2) Any key component of the system, such as the inverter, is replaced or upgraded;
  - 3) The relays for a non-inverter system, are replaced, rewired or upgraded; or
  - 4) Elements of the system which impact the safety of the interconnection or the parallel operation of the system are changed.
- b. When any changes are made as described in items (X.2.1) thru (X.2.4), a witness test is required as is described in section 7.d. and a utility inspection.

#### 9. Required Testing Once Per Year After Installation

- a. For any net metered generator facility which interfaces with the electric grid by an inverter, the member-generator shall, conduct a load-break test, once per year after installation; and
- b. Verify the proper calibration and protective function of the components and systems of the generation unit, which shall include the testing prescribed by the unit manufacturer and frequency determined by the unit size.
  - 1) Once every four years or according to the schedule recommended by the manufacturer, whichever is more frequent, for facilities rated greater than 25 kW.
  - 2) Once every four years for facilities rated 25 kW or less.
- c. The testing of the calibration and protective function of the components and systems of a non-inverter interfaced system shall be conducted by an entity qualified as specified in section 7.d.
- d. The member-generator shall maintain these records.
  - 1) Create a written record of the dates and procedures for tests conducted pursuant to this section.
  - 2) Maintain the written record of verification testing for inspection by the Cooperative for a period of four years from the date of the respective test.

#### 10. Cooperative Access to Net Metered System

- a. The Cooperative may inspect the net energy metered system at its own expense at a time mutually agreeable to the member-generator upon reasonable notice to the member-generator.
- b. Except in emergency circumstances, the Cooperative shall provide not less than 5 business days' notice to the member-generator to enter the member-generator's property to inspect the net metered system, install additional controls or meters or conduct additional tests.
- c. A member-generator shall not withhold access to the Cooperative to inspect the net metered system, install additional controls or meters or conduct additional tests.

## 11. Other Cooperative Requirements

The Cooperative applies the same requirements for net metering and group net metering as specified in the following sections of NH Puc 900 Rules:

- 1) Puc 904.07 Insurance Requirements
- 2) Puc 904.03 Mutual Indemnity Provision
- 3) Puc 905.01 Requirements for Disconnect Switches
- 4) Puc 905.02 Disconnect Switch
- 5) Puc 905.03 Configuration of the Transformer Serving the Member-Generator's Generation Site
- 6) Puc 906.00 Compliance Path for Inverter Units
- 7) Puc 906.01 Inverter Requirements
- 8) Puc 907.00 Compliance Path for Generation Units not Using an Inverter
- 9) Puc 908.00 Procedural Requirements for Interconnected Units
- 10) Puc 908.01 Emergencies, Maintenance
- 11) Puc 908.02 Procedures for Disconnection
- 12) Puc 908.03 Utility Access to Net Metered System
- 13) Puc 908.10 Transferability

### **X.3 Group Net Metering Requirements - Above the Cap**

#### 1. Applicability

The Cooperative provides a Group Net Metering option. This option exists when there is a written agreement signed by the host and by each member of the group for the purpose of controlling energy costs of all members of the group. "Host" is a member-generator who elects to assume the same duties and obligations as are set out in RSA 362-A: 9, XIV, and who is and who remains during the term of the agreement, a member of the Cooperative



purchasing Co-op Power. Those members of the group (aka Group-members) are one or more Co-op members who are purchasing Co-op Power and have signed an agreement with a host and who are not member-generators.

## 2. Registration of Hosts

- a. Any member-generator seeking to become a host or re-register as a host shall provide the Cooperative with a registration application.
- b. The form is available on the Cooperative website.
- c. The application includes this required information.
  - 1) The host's name, trade name, address, service address, telephone number, e-mail address, and website address, as applicable.
  - 2) The name, telephone number, and e-mail address of the individual responsible for responding to inquiries.
  - 3) A list of all members in the host's group, including each member's name, billing address, and service address.
  - 4) A certification that all members and the host are Co-op Power service members of the Cooperative.
  - 5) The total historic annual load and the total projected annual load of the host.
  - 6) The total historic annual load and the total projected annual load of the group members.
  - 7) The fuel source of the host facility, its generation capacity, the actual annual output of the host's facility, if known, and the projected annual output of the host's facility.
  - 8) A certification that the total historic annual load of the group members together with the host exceeds the projected annual output of the host's facility.
  - 9) A certification that the applicant has the authority to file the application on behalf of the host and that its contents are truthful, accurate and complete. The applicant shall sign and date the form. The individual signing the form shall certify by the individual's signature that the information on the form is true to the best of the individual's knowledge and belief.
- d. No member-generator shall begin acting as a host until they have completed all aspects of the application process required by this section.
- e. If the Cooperative requested information or clarification to complete the application and such information or clarification is not provided within 60 days of the date of the request, the Cooperative shall suspend action on the application. The Cooperative shall provide notice of such suspension to the applicant. If, after 120 days from the date of the request the applicant has not provided the requested information or clarification, the Cooperative shall reject the application and shall so notify the applicant.
- f. Once application is approved, the member-generator host shall be moved to a calendar month billing cycle.

## 3. Duties of the Cooperative

Upon receipt of a registration or re-registration application and after notification of approval of the application has been provided to the host by the Cooperative, the Cooperative shall thereafter pay the host for the host's Exported Energy at the end of each billing cycle, beginning with the normal meter read date immediately following the effective date of the host's registration, unless the meter read date is less than 5 business days after the effective date, in which case the first payment shall be due for the billing cycle beginning with the next meter read date. See Section X.4 below for monthly billing methodology. The Cooperative's monthly payments to the host shall be in compliance with the Cooperative's *Schedule of Fees, Charges and Rates*.

#### 4. Changes in Membership

- a. The procedure by which group-members are added and removed from the group shall be defined in the host agreement. The host agreement shall describe how group-members may be added, how group-members may leave voluntarily, and how group-members may be removed involuntarily. The host shall keep records of the dates that each group-member joins and leaves the group.
- b. The addition of a group-member shall be effective on the host's first meter read date in the billing cycle immediately following the new group-member's addition.
- c. The departure of a group-member shall be effective on the host's last meter read date immediately preceding the group-member's date of departure.

#### 5. Annual Report

- a. Each host shall file with the Cooperative an annual report on or before April 1, of each year after registration, providing all of the following information related to the preceding calendar year.
  - 1) The reporting form is available on the Cooperative website.
  - 2) As to those group-members who joined the group during the course of the immediately preceding calendar year, the effective dates of each such group-member's addition and each such member's name, billing address, service address, and projected annual load.
  - 3) As to those group-members who left the group during the course of the immediately preceding calendar year, the effective date of each such departure.
  - 4) The host shall sign and date the annual report. The host signing the form shall certify by that individual's signature that the information on the form is true to the best of the individual's knowledge and belief.
- b. If the host fails to timely file an annual report the Cooperative shall stop making monthly payments and may impose any penalty or condition permitted by these Terms and Conditions.

## 6. Failure to Comply

- a. The Cooperative may permanently or temporarily terminate the registration of a host, for either of the following:
  - 1) Misrepresentation of information required by these Terms and Conditions which, if accurately reported, would have resulted in the denial of the application.
  - 2) A material non-compliance with any of these Terms and Conditions.
- b. The Cooperative may consider each of the following in connection with its actions concerning such non-compliance:
  - 1) The severity of the non-compliance.
  - 2) Whether the host acted in good faith.
  - 3) Whether other mitigating or aggravating circumstances exist.
  - 4) There is other relevant information pertaining to the host and its principals.

## X.4 Net Metering & Group Net Metering Monthly Billing - Above the Cap

### 1) Applicability

- a. A member-generator, including Group Net Metering host, will be the customer of record and shall be billed for Delivered Energy and other Cooperative services under the Cooperative *Schedule of Fees, Charges and Rates* applicable to the member-generator's service classification.
- b. A member-generator purchasing Co-op Power shall be credited for electricity received by the Cooperative (Exported Energy) under the *Cooperative Schedule of Fees, Charges and Rates* applicable to the member-generator's system classification. A member-generator who has chosen a competitive supplier **will not be credited the Co-op Power portion of the Exported Energy rate**
- c. A Group Net Metering host shall be paid for electricity received by the Cooperative (Exported Energy) under the *Cooperative Schedule of Fees, Charges and Rates* applicable to the member-generator's system classification.
- d. The price to be paid to "Above the Cap" member-generators, including Group Net Metering hosts, for Exported Energy delivered to the Cooperative shall be formulated as follows:
  - 1) For all installations, regardless of size, there shall be for each kWh exported a Co-op Power Charge credit that will be calculated based upon the average contribution of member-generators to the reduction of the Cooperative's Energy, Capacity and Ancillaries costs from its own resources and from the wholesale markets administered by ISO New England. With respect to Capacity, the Cooperative will take into account the average contribution of member-generators to the reduction of the Cooperative's Capacity Load Obligation and therefore its allocated costs for Capacity in the Forward Capacity Market. The Co-op Power Charge credit shall be subject to review and adjustment in conjunction with periodic reviews of, and changes to, the Cooperative's Co-op

Power Charge.

- 2) For all installations, regardless of size, there shall be for each kWh exported a Regional Access Charge credit that will be calculated based upon the average contribution of member-generators to the reduction of the Cooperative's billing demands and costs for Regional Network Service, Local Network Service, and Interconnection and Delivery Service that the Cooperative pays to ISO New England and various Transmission Owners. The Regional Access Charge credit shall be subject to review and adjustment in conjunction with periodic reviews of and changes to the Cooperative's Regional Access Charge.
- 3) For all installations, regardless of size, there shall be for each kWh exported an Exported Delivery Charge credit that is intended and calculated to recover a portion of the delivery service costs that NHEC estimates would, on average, be unrecovered under "full retail" net metering, recognizing and providing credit for assumed average increases in annual usage by net metering accounts, according to installation size.
  - i. The portion of unrecovered delivery service costs is currently 50%. This percentage shall be subject to review and annual adjustment in conjunction with periodic reviews of, and changes to, the Cooperative's Delivery Charge.
  - ii. The assumed increases in annual usage for use in determining the Exported Delivery Charge credit shall vary by rate classification and installation size, according to the following three categories:
    - a. Installations less than or equal to 20 kW AC (nameplate net output rating of the inverter(s), or, for non-inverter installations, the AC generator(s)).
    - b. Installations greater than 20 kW AC and less than or equal to 100 kW AC.
    - c. Installations greater than 100 kW AC.The assumed average increases in annual usage for each of these three categories shall be separately subject to review and adjustment annually.
- 4) For all installations, regardless of size, there shall be for each kWh exported a credit will be provided for the avoided System Benefits Charge only to the extent the Cooperative avoids this charge.
- 5) For all installations, regardless of size, there shall be for each kWh exported a credit will be provided for the avoided NH Consumption and BET Tax only to the extent the Cooperative avoids this charge.
- e. A member-generator, including Group Net Metering host, will be charged for Delivered Energy at the full retail rate regardless of the size of the generating facility.
- f. See the "Net Metering Above the Cap" section of the Cooperative's Schedule of Fees, Charges and Rates for rate details.

## 2) Service Classifications for Net Metering

### a. Basic Rate Codes

Basic Service is available for any single-phase service including individual residences, apartments, and businesses, provided that such service is less than or equal to 400 amps.

1) Net Metering:

i. Delivered:

N01A thru N01C: Basic (B)

N03A thru N03C: Basic Commercial (B2)

N05A thru N05C: Basic Heat (BH)

ii. Exported:

N02A thru N02C: Basic (B)

N04A thru N04C: Basic Commercial (B2)

N06A thru N06C: Basic Heat (BH)

2) Group Net Metering:

i. Delivered:

G03A thru G03C: Basic Commercial (GN2)

ii. Exported :

G04A thru G04C: Basic Commercial (GN2)

b. Large Basic Rate Codes

Service for this classification is provided as single-phase as, greater than 400 amps, 60 Hz (cycles per second), alternating current, normally three-wire at a nominal voltage of 120/240 volts. The use of single-phase motors of 5 HP rating or less (such as small pumps, garage door openers) is permitted under this rate provided such use does not interfere with the quality of service rendered to other members. Upon written application to the Cooperative, the use of larger motors may be authorized where existing distribution facilities permit.

1) Net Metering:

i. Delivered:

N13: Large Basic (LB)

N15: Large Basic (LB2)

N17: Large Basic Heat (LBH)

ii. Exported:

N14: Large Basic (LB)

N16: Large Basic (LB2)

N18: Large Basic Heat (LBH)

2) Group Net Metering:

i. Delivered:

G15: Large Basic (LB2)

ii. Exported:

G16: Large Basic (LB2)

c. Basic Three Phase Rate Codes

This classification of service is for three-phase service at secondary voltage and whose services register kilowatt demand less than 50 kilowatts.

1) Net Metering:

i. Delivered:

N19: Basic Three Phase (B3)

N21: Basic Three Phase (B32)

ii. Exported:

N20: Basic Three Phase (B3)

N22: Basic Three Phase (B32)

2) Group Net Metering:

i. Delivered:

G21: Basic Three Phase (B32)

ii. Exported:

G22: Basic Three Phase (B32)

d. Large Basic Three Phase Rate Codes

This classification of service is for three-phase service at secondary voltage and whose services register kilowatt demand is greater or equal to 50 kilowatts but less than 150 kilowatts.

1) Net Metering:

i. Delivered:

N27: Large Basic Three Phase (LB3 or LB32)

ii. Exported:

N28: Large Basic Three Phase (LB3 or LB32)

2) Group Net Metering:

i. Delivered:

G27: Large Basic Three Phase (LB32)

ii. Exported:

G28: Large Basic Three Phase (LB32)

e. Industrial Rate Codes

This classification of service is for three-phase service at secondary voltage and whose services register kilowatt demand is greater than or equal to 150 kilowatts. This rate is available for only a single structure. Some members under this rate code may be subject to a ratchet charge. Please see Section S for more details. This classification of service also is available to members who qualify for service under the Industrial Service classification and have entered into a Member Service Agreement for Interruptible Service where the Cooperative makes radio or other control devices available. The Cooperative will control, or interrupt, the member's service to specific equipment (like electric space heating) as needed during On-Peak Hours.

1) Net Metering:

i. Delivered:

N29: Industrial (IND)

ii. Exported:

N30: Industrial (IND)

2) Group Net Metering:

i. Delivered:

G29: Industrial (IND)

ii. Exported:

G30: Industrial (IND)

f. Primary Rate Codes

This classification of service is for primary voltage electricity delivered for general service in a specified location furnished to any member, by the Cooperative at the load side of the metering equipment.

Service shall be three-phase, 60 Hz (cycles per second), alternating current, at a nominal voltage determined by the Cooperative, generally 2,400/4,160, 7,200/12,470, or 14,400/24,900 and 19,900/34,400 volts. The member shall maintain a reasonably balanced load between phases.

See Section J: Classification of Services for further details regarding meter installation and demand.

1) Net Metering:

i. Delivered:

N33: Primary (P)

N35: Large Primary (P5)

ii. Exported:

N34: Primary (P)

N36: Large Primary (P5)

2) Group Net Metering:

i. Delivered:

G33: Primary (P)

G35: Large Primary (P5)

ii. Exported:

G34: Primary (P)

G36: Large Primary (P5)

## **X.5 Net Metering Annual Review - Above the Cap**

### Yearly Evaluation

- a. Following the March billing cycle each year the Cooperative shall identify those member-generators which have been credited, over the preceding twelve (12) months, for more Exported Energy than Delivered Energy.
- b. If the Net Exported Energy (defined as total annual Exported Energy minus total annual Delivered Energy) is less than or equal to 1,000 kWh and the account is carrying a dollar credit balance at the end of the March billing cycle, the member-generator will be provided, on or before June 1st, with written notice indicating that the member-generator will continue to carry and accumulate any dollar credit balance unless the member-generator elects to receive a payment by check for the dollar credit



balance on the electric account as of the end of the March billing cycle.

- c. If the Net Exported Energy is greater than 1,000 kWh, the Cooperative shall adjust the member-generator's account balance for the quantity of Net Exported Energy which is more than 1,000 kWh at a rate equal to the average Exported Delivery Charge for the 12 months ending in March. If a dollar credit balance remains, the member-generator will receive a written notice indicating that the member-generator will continue to carry and accumulate any dollar credit balance unless the member-generator elects to receive a payment by check for the adjusted dollar credit balance on the electric account as of the end of the March billing cycle.

## **X.6 Group Net Metering Annual Review - Above the Cap**

### Yearly Evaluation

By June 1 of each year, the Cooperative shall calculate the difference between the hosts total Exported Energy for the preceding calendar year and the group's total electricity used during that same period, and using either subparagraph (1) or (2) below:

- a. If the group used more than the host's surplus generation, no adjustment is required.
- b. If the group used less than the host's total Exported Energy, then the Cooperative shall calculate an adjustment so that the host's account balance shall be adjusted for the quantity of Exported Energy which is above what the group used at a rate equal to the average Exported Delivery Charge for the same period. The result of this calculation shall be billed to the host by June 1 of each year.

## **X.7 Renewable Energy Certificates**

Net metering facilities are eligible for the sale or transfer of Renewable Energy Credits (RECs) produced at the member-generators facility. The sale or transfer of REC's is managed through a regulatory process established by the New Hampshire Public Utilities Commission (NHPUC). For details of the regulatory process please see:

- NH House Bill 873
- NHPUC 2500

All RECs associated with the member-generator's facility shall remain the property of the member-generator unless and until such certificates are sold or transferred by the member-generator.

The following list of Rate Codes defines NHEC's REC monitoring options and fees:

Rate Codes with a Monitoring Fee:

- **Rate PVN, WINDN** – NHEC monitors generation for the member's informational purposes only (***RECs are not produced***).
- **Rate PVN, WINDN** – Member sells the RECs to NHEC.

Rate Codes without a Monitoring Fee:

- **Rate PVY, WINDY** – Member allows NHEC to have the RECs.
- **Rate PVM, WINDM** – Do not involve NHEC. The member may sell RECs to a third party or the disregard the RECs altogether. (***RECs may or may not be produced***).

Additional information on RECs and options available to member-generators who produce RECs are available on NHEC's website.