

#### 2152 Post Road Rutland, Vermont 05701

Scott R. Anderson Manager of Rates Phone: (802)770-3220 Scott.Anderson@greenmountainpower.com

#### VIA HAND DELIVERY

December 12, 2016

Judith Whitney, Clerk VERMONT PUBLIC SERVICE BOARD Peoples United Bank Building, 4<sup>th</sup> Floor 112 State Street Montpelier, VT 05620-2701

Re: Tariff #8622 – Revisions to Compliance Net Metering Tariff

Dear Ms. Whitney:

On October 14, 2016, Green Mountain Power Corporation ("GMP" or the "Company") filed compliance net metering tariff sheets with the Vermont Public Service Board ("Board"). Since that time the Company has been reviewing the filing with the Vermont Public Service Department ("PSD") and other stakeholders. By this filing, GMP respectfully requests that the PSB approve the enclosed revised net metering tariff sheets in place of the tariff sheets filed on October 14. This filing consists of an original and nine copies (clean and marked against the October 14 filing) and implements the changes to Rule 5.100 in compliance with the Board's August 29, 2016 Order. The revisions are meant to provide better clarity and correct certain misinterpretations of the Board's Order made by GMP staff. GMP appreciates the input of the PSD and other stakeholders during this review period.

#### Discussion of Revisions

Applicability. GMP provides clarifications to improve the applicability language in sections of the tariff. The Company intends to administer net metering through two distinct section of the retail tariff: Self Generation and Net Metering 1.0 ("Net Metering 1.0") and Self Generation and Net Metering 2.0 ("Net Metering 2.0"). Net Metering 1.0 will maintain existing rules related to such things as solar credits, absence of non-bypassable charges, cutting checks, etc. As net metering systems reach the 10-year point, Net Metering 2.0 will be the applicable

Ms. Judith Whitney, Clerk December 12, 2016 Page 2

section for these customers. Eventually, the Net Metering 1.0 section of the tariff can be eliminated.

We have also added clarifying language indicating that Net Metering 2.0 rules shall take effect on the last commissioning date for group systems that may have multiple generation sources. Additionally, we have clarified that groups that add generation after January 1, 2017 will need to operate under Net Metering 2.0 rules, particularly as they relate to non-bypassable charges. Administering groups where some credits can be applied to all charges and some credits may only apply to limited charges is currently not a workable billing system capability.

We also make clear in Net Metering 2.0 that even if systems come over to Net Metering 2.0 after the system turns 10 years old, if the gross metering for solar credits is less than 10 years old GMP would continue to provide these incentives to customers. We believe that this is the intention of the statute (Section 10 of Act 99) even if the PSB Rule in 5.124(C) indicates the incentive is based on the system's commissioning date. Some customers installed the gross meter for the solar credit several years after initial system commissioning.

Fluctuation of Blended Residential Rate. GMP has included clarifying language to make clear that the current rate shown in the tariff for excess generation will changes as base rates change or the Board makes a change to the statewide average residential rate.

*No transfers.* The Company has inserted language prohibiting the transfer of net metering credits to other accounts.

Correction to Group Information. The Company has revised the language around information to be provided to groups and removes references that this information must also be provided to the Board and PSD. This change addresses the Board's question to GMP in the November 10, 2016 memorandum from the Board.

Correction to rate for excess generation. The Company has revised language to correct a mis-interpretation of the Board's Order related to the rate that excess generation is monetized for pre-existing net metering systems. This change also addresses the Board's other question to GMP in the November 10, 2016 memorandum from the Board.

Bills Rendered. Finally, GMP request that these changes take effect on a bills-rendered basis effective January 1, 2017. Changing to a bills-rendered basis is critical to GMP's timely delivery of these net metering rule changes and will be a much more understandable transition for participating customers. Practically, the difference between bills-rendered and service-rendered is inconsequential for most customers since the GMP residential rate will continue to be used to monetize most excess generation, but it avoids the need to split a net metering bill into two parts showing usage and billing pre-January 1 and post-January 1.

Ms. Judith Whitney, Clerk December 12, 2016 Page 3

### Conclusion

In summary, GMP request the approval of the enclosed tariff sheets and requests that the tariff sheets filed on October 14, 2016 be withdrawn. Please feel free to contact me if you have any additional questions.

DOM D.

CC: Timothy Duggan, Esq., Vermont Department of Public Service

#### APPLICABLE:

The following rules shall apply to Customers who: (1) take service under a rate within this electric service tariff, (2) filed a complete application for a certificate of public good with the Vermont Public Service Board by January 1, 2017 for an individual or group net metered system, as defined below, where such application was authorized under: (i) 30 V.S.A. section 219a(h)(1)(A) as it existed on December 31, 2016; or (ii) Section 1a of Act 99 (2014); or (iii)have received approval pursuant to 30 V.S.A. Sections 219a and 248 from the Vermont Public Service Board for an individual net metered system or a group net metered system as defined below prior to January 1, 2017 or have a complete certificate of public good application meeting the requirements of the Vermont Public Service Board's OrderCompany's published application qualification as outlined in Docket No. 8652, Order dated June 24, 2016, which includes authorization for projects using the Company's published application qualifications and those authorized under the revised net metering cap and (3) employ an eligible system (defined below) to generate electricity primarily for their own use and which from time to time generates electricity in excess of the Customer's then current needs and is connected to deliver such excess electricity to the Company's distribution system. Customers must conform to all applicable requirements of 30 V.S.A. Sections 219a (as the statute existed on December 31, 2016) and 248 and to Vermont Public Service Board Orders, Rules, Regulations or electrical safety, power quality, and interconnection requirements pertaining to self-generation of energy for net metering.

The following rules shall cease to apply to Customers noted above whose net metering system has completed a period of ten (10) years from the date of the net metering system's <u>last</u> commissioning date.

The following rules shall immediately cease to apply to Customers who add additional generation to a group via a new meter where the amount charged or credited for gross generation varies by generation point.

This tariff provision shall not supersede any terms and conditions of any other tariff provision under which the Customer takes service from the Company, which other terms and conditions shall continue to apply.

#### CERTIFICATE OF PUBLIC GOOD:

Any Customer seeking to take service in accordance with this tariff provision shall be required to obtain a certificate of public good from the Public Service Board before connecting any eligible system to the Company's distribution system or any portion of the Customer's own electric

EFFECTIVE: On BillsService Rendered on January 1, 2017
GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary
A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0y2 1-1-17.doc.

system that is itself connected to the Company's electric distribution system.

A certificate of public good for a net metering system is automatically transferred when the property with the net metering system is sold or otherwise conveyed. The new owner may commence net metering provided that the new owner: (1) agrees to operate and maintain the net metering system according to the terms and conditions of the certificate of public good and in compliance with Board Rule 5.100 and; (2) files a transfer form provided by the Board with the Company and the Board.

#### INDIVIDUAL NET METERING SYSTEM:

- Definition: An eligible individual net metering system is defined as a facility for generation of electricity that is no more than 500 kW capacity; operated in parallel with facilities of the Company's distribution system; is intended primarily to offset part or all of the Customer's own electricity requirements and employs a renewable energy source produced using a technology that relies on a resource that is being consumed at a harvest rate at or below its natural regeneration rate pursuant to 30 V.S.A. Section 8002(17) or is a qualified micro-combined heat and power system with a capacity up to 20 kW that meets the definition of a combined heat and power facility under 30 V.S.A. Section 8015(b)(2). The Customer shall be responsible for the maintenance, safety and condition of the eligible system.
- 2) Energy Measurement: The Company shall measure the net electricity produced or consumed during each billing period. Where it is not physically possible for the billing meter to turn backwards, the Company shall provide a meter appropriate for the Customer's rate class. Such meter will measure the kWh produced by the Customer. For Customers that are eligible for service under another applicable rate class, avoiding the need for an additional meter by changing rate classes is permissible. For Customers who desire an additional meter for their own information or to obtain a Solar Credit for separately-metered gross generation as prescribed in this tariff, the Company shall supply an appropriate additional meter at a cost to the Customer of \$110. The meter shall be installed in accordance with the Company's standards and shall be the property of the Such additional meter shall be accessible to the Company at all reasonable times, and shall not be removed or otherwise disturbed by the Customer without advance written notice to and permission from the Company. Such additional meter shall be located in reasonable proximity to the existing meter and subject to testing by the Company at any time at the Company's own expense upon reasonable advance written

EFFECTIVE: On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

notice to the Customer.

If, at the end of a billing period, the electricity generated and fed back to the distribution system by the Customer exceeds the electricity supplied by the Company, then the Company shall calculate a monetary credit to the Customer by multiplying the excess kWh generated during the billing period by \$0.14840 per kWhthe base kWh rate paid by the Customer for electricity supplied by the Company. This rate will change as required by changes to the Company's base rates or by Board determination of applicable rates as contemplated in Board Rule 5.100. The Company shall apply the monetized credit to any remaining charges on the Customer's electric bill for that period. If application to such charges does not use the entire balance of the credit, the remaining balance of the credit shall appear on the Customer's bill. Any accumulated monetary credits shall be used by the Customer within twelve months or shall revert to the Company without any compensation to the individual net metering system Customer. Accumulation of monetary credits shall not result in any financial payments to the Customer. However, if requested by a Customer within the Green Mountain Power Corporation ("GMP") service territory as defined prior to the merger between Central Vermont Public Service Corporation ("CVPS") and GMP ("legacy GMP Customer") with a net metering installation approved by the Board and in operation prior to April 1, 2014, monetary credits that accumulate on the Customer's bill shall be paid to the Customer up to two times per year. Availability of financial payments shall only apply to qualified legacy GMP Customers who have requested a payment prior to April 1, 2014 and will remain available to these Customers for a period of ten years from the date of their net metering system installation. Monetary credits created by net metering shall not be transferred to other accounts.

When the net metering system is served via a time-of-use rate class and more generation is produced within a time period than was consumed in that time period, then the excess kWh generation shall be used to offset any net kWh consumption in any other time

EFFECTIVE:

On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0v2 1-1-17.doc.

period within the billing period prior to the monetization calculation.

Excess kWh generated shall be monetized at the following base kWh rates:

(a) The kWh rate at which the account is served; or the peak hours kWh rate during peak hours and the off-peak hours kWh rate during off-peak hours for rate schedules with time-of-use rates; or the tailblock kWh rate for rate schedules with declining block kWh rates.

(b) Electric Assistance Program ("EAP")—For non-solar net metering facilities: \$0.12055/kWh for Rate 1; \$0.17993/kWh for Rate 11 peak hours, \$0.09038/kWh for Rate 11 off-peak hours; \$0.15673/kWh for Rate 61 peak hours, \$0.06220/kWh for Rate 61 off-peak hours.

If, at the end of a billing period, the electricity supplied by the Company exceeds the electricity generated and fed back to the distribution system by the Customer during the billing period, then the Customer shall be billed for the net electricity supplied by the Company. When the net metering system is served via a time-of-use rate class and more generation is produced within a time period than was consumed in that time period, then the excess kWh generation shall be used to offset any net kWh consumption in any other time period within that billing period. Any monetized credit accumulated on the previous eleven bills shall be applied to offset any charges on the current bill. The Company shall apply monetized credits from previous billing periods using credits that are scheduled to expire soonest first.

#### GROUP NET METERING SYSTEM:

Definition: An eligible group net metering system is defined as a group of Customers, or a single Customer with multiple electric meters, located within the Company's service territory, where the Customers have elected to share monetized excess generation credits created by a net metered system defined as a facility for generation of electricity that is no more than 500 kW capacity;

EFFECTIVE:

On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0v2 1-1-17.doc.

operated in parallel with facilities of the Company's distribution system; is intended primarily to offset part or all of the group net metering system member's own electricity requirements and employs a renewable energy source produced using a technology that relies on a resource that is being consumed at a harvest rate at or below its natural regeneration rate pursuant to 30 V.S.A. Section 8002(17) or is a qualified micro-combined heat and power system with a capacity up to 20 kW that meets the definition of a combined heat and power facility under 30 V.S.A. Section 8015(b)(2). Unmetered municipal street lighting accounts are not eligible to be members of a group. An account cannot be a member of more than one group. An account that also has an individual net metering CPG may also be a member of a group-but cannot take service via a time-of-use rate sehedule if the group generation is not directly interconnected to the utility grid. The group net metering system members shall be responsible for the maintenance, safety and condition of the eligible system.

- 2) A group net metering system shall have filed with the Board, DPS and the Company a completed net metering application provided by the Board including the following information:
  - (a) The meters identified by account number to be included in the group system;
  - (b) A procedure for adding and removing meters included in the group net metering system and directions as to the manner in which the Company shall allocate any accrued credits among the meters included in the system as outlined further below.
  - (c) A designated person responsible for all communications between the group net metering system and the Company except for communications related to individual account billing, payment and disconnection.
  - (d) A binding process for resolving disputes amoung the members of a group relating to net metering.

The Company shall bill directly and send all communications regarding billing, payment and disconnection directly to each individual group net metering system

**EFFECTIVE** 

On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary

A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0<u>v2</u> 1-1-17.doc.

account. All charges for each individual account shall be based on the individual meter for that account and the rate class associated with that meter.

3) Energy Measurement: The Company shall measure the net electricity produced or consumed during each billing period for the group net metering system meter that has the generation interconnected. Where it is not physically possible for the meter connected to the generating account to turn backwards, the Company shall provide a meter appropriate for the generating account's rate class. Such meter will measure the kWh produced by the generating account. For generating accounts that are eligible for service under another applicable rate class, avoiding the need for an additional meter by changing rate classes is permissible.

For group net metering systems who desire an additional meter for their own information or to obtain a Solar Credit for separately-metered gross generation as prescribed in this tariff, the Company shall supply an appropriate additional meter at a cost to the Customer of \$110. The meter shall be installed in accordance with the Company's standards and shall be the property of the Company. Such additional meter shall be accessible to the Company at all reasonable times, and shall not be removed or otherwise disturbed by the group net metering system members without advance written notice to and permission from the Company. Such additional meter shall be located in reasonable proximity to the existing meter and subject to testing by the Company at any time at the Company's own expense upon reasonable advance written notice to the group net metering system designated person.

(a)———	—(a) If, at the end of a billing period, the electricity generated and fed back to
	17 (20 )
	the distribution system by the generating account exceeds the electricity supplied
	to that account by the Company, then the excess kWh shall be allocated to the
	group member accounts pursuant to the allocation instructions provided by the
	group. The allocated kWh shall then be used to offset kWh consumption at the
	member account; be monetized at \$\$0.14840 per kWh. This rate will change as
	required by changes to the Company's base rates or by Board determination of
	applicable rates as contemplated in Board Rule 5.100.the Residential Rate 1 kWh
	rate; or monetized at the member account's kWh rate according to the
	circumstances as outlined below. The Company shall apply any allocated kWh

EFFECTIVE: On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0<u>v2</u> 1-1-17.doc.

that are converted to a monetized credit to any charges on the group net metering system member's individual current bills for that period. If application to such charges does not use the entire balance of the credit, the remaining balance of the credit shall appear on the individual member's bill. Any accumulated monetary credits shall be used by the individual member within twelve months or shall revert to the Company without any compensation to the group net metering system member. Accumulation of monetary credits shall not result in any financial payments to the Customer. However, if requested by a Customer within the Green Mountain Power Corporation ("GMP") service territory as defined prior to the merger between Central Vermont Public Service Corporation ("CVPS") and GMP ("legacy GMP Customer") with a net metering installation approved by the Board and in operation prior to April 1, 2014, monetary credits that accumulate on the Customer's bill shall be paid to the Customer up to two times per year. Availability of financial payments shall only apply to qualified legacy GMP Customers who have requested a payment prior to April 1, 2014 and will remain available to these Customers for a period of ten years from the date of their net metering system installation. Monetary credits created by net metering shall not be transferred to other accounts.

> When the generating account of a group net metering system is served via a timeof-use rate class and more generation is produced within a time period than was consumed in that time period, then the excess kWh generation shall be used to offset any net kWh consumption in any other time period within the billing period for that account prior to the allocation of excess kWh to group members.

EFFECTIVE:

On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\\CurrentTariffs\\NetMeter1Pt0v2 1-1-17.doc.

- (i) All excess kWh allocated to member accounts for groups where the generation account is directly interconnected to the utility grid such that the generation does not offset consumption of the Customer or group shall be monetized at the following kWh rates:
  - a. Rate 1 base kWh rate, or
  - b. The base kWh rate at which the member is served for Rates 3, 06, 15 and 17, or
  - e. \$0.12055/kWh for non-solar net metering on EAP1, or d.
- (ii) Excess kWh allocated to member accounts for groups where the generation account is not directly interconnected to the utility grid shall first offset any kWh consumption on the member account and then any excess kWh shall then be monetized at the following base kWh rates:
  - a. The kWh rate at which the account is served; or
  - The peak hours kWh rate during peak hours and the off-peak hours kWh rate during off-peak hours for rate schedules with timeof-use rates; or
  - e. The tailblock kWh rate for rate schedules with declining block kWh rates.

Electric Assistance Program ("EAP") For non-solar net metering facilities: \$0.12055/kWh for Rate 1; \$0.17993/kWh for Rate 11 peak hours, \$0.09038/kWh for Rate 11 off-peak hours; \$0.15673/kWh for Rate 61 peak hours.

Allocation of excess kWh to time-of-use member accounts shall be allocated to each time period based on their share of consumption in the time period to total consumption during the billing period.

### [RESERVED FOR FUTURE USE]

EFFECTIVE: On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0v2 1-1-17.doc.

- (b) If, at the end of a billing period, the electricity supplied by the Company to the generating account meter exceeds the electricity generated and fed back to the distribution system by the generating meter during the billing period, then each group net metering system member shall be billed for the electricity supplied by the Company based on the individual meter for that account and the rate class associated with that meter. Any monetized credit accumulated on the previous eleven bills shall be applied to offset any charges on the current bill. The Company shall apply monetized credits from previous billing periods using credits that are scheduled to expire soonest first.
- 4) Allocation of Group Net Metering Excess kWh:

The designated person of the group net metering system shall provide direction in one of two manners pursuant to which the Company shall allocate any accrued credits among the meters included in the system. Allocations may only be changed on written notice to the Company. The Company shall implement appropriate changes to the allocation of credits within thirty days after receiving written notification from the designated person. Allocations can be changed no more than four times per calendar year and shall not be applied retroactively. Allocations can be made by listing the group net metering system members in the order in which they are to receive monetized excess generation credits such that the credits offset all applicable charges for the first member listed before applying any remaining monetized excess generation credits to all applicable charges for the second member listed. The Company will continue to provide credits to the listed member accounts in the order provided until the credits are depleted. As of January 1, 2015, newly established groups utilizing this method of allocation shall be charged an additional monthly fee of \$6.50 for each account in the group. Allocations can be made by listing the percentage of the excess kWh that each group net metering system member's account shall receive. Such a percentage allocation shall add to 100%.

EFFECTIVE:

On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

### INTERCONNECTION REQUIREMENTS:

The interconnection of all net metering systems is governed by Board Rule 5.500. The applicant bears the costs of all equipment necessary to interconnect the net metering system to the distribution grid and any distribution system upgrades necessary to ensure system stability and reliability.

#### DISCONNECTION OF NET METERED SYSTEM:

Any eligible system shall be subject to emergency disconnection of the system. These emergency disconnection procedures do not supplant Board Rules 3.300 and 3.400 or other tariff rules and regulations related to Company disconnections.

In general, an emergency shall be considered to occur when the interconnection of an eligible system represents a condition which is likely to result in imminent significant disruption of service to the Company's Customers or is imminently likely to endanger life or property.

If the Company performs an emergency disconnection of an eligible system, the Company shall notify the Customer within twenty-four hours after the disconnection. If the emergency is not caused by the eligible system, then the Company shall reconnect the system upon cessation of the emergency. If the emergency is caused by the eligible system, then the Company shall communicate the nature of the problem with the Customer within five days, and attempt to resolve the issue with the Customer. The Company shall file a disconnection petition with the Board if the Company and the Customer have not reached a mutually agreed-upon resolution within thirty days of the emergency disconnection.

Non-emergency disconnections of an eligible system by the Company shall follow the same process as set out above for emergency disconnections of such system, except that the Company shall give written notice of the disconnection no earlier than ten days and no later than three working days prior to the first date on which the disconnection of the system may occur. Such prior notice shall communicate the reason for the disconnection and the expected duration of the disconnection. If the eligible system is not the reason for the system's disconnection, the Company shall reconnect the system as soon as the activity necessitating the disconnection ceases. Temporary, non-emergency

EFFECTIVE: On BillsService Rendered on January 1, 2017

GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0<u>v2</u> 1-1-17.doc.

disconnections due to the removal of the meter by the Company or their representatives such as those related to a meter exchange or meter test shall not require prior notice.

A Customer shall be prohibited from reclosing a disconnect device, which has been opened and tagged by the Company, without the prior approval of the Company, or, in event of dispute, the Board.

A Customer who initiates a permanent disconnection of an eligible system shall promptly notify the Company.

EFFECTIVE: On BillsService Rendered on January 1, 2017

GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary
A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0v2 1-1-17.doc.

### SOLAR CREDIT FOR SEPARATELY-METERED GROSS GENERATION:

Individual or group net metered systems that own and operate a photovoltaic net metered system which is eligible for net metering under Rule 5.100 shall be entitled to a credit for all metered gross kWh generated by the photovoltaic net metering system.

- 1) The Customer shall be required to pay for all necessary equipment and labor to facilitate measurement of the gross output of the photovoltaic generation using an electrical configuration that is acceptable to the Company.
- 2) The Customer shall be required to pay \$110 for the additional meter. Such metering equipment shall be owned by the Company.
- At the option of the Customer, the Company may receive ownership of the environmental attributes of the electricity generated by the Customer's net metering system, including ownership of any associated tradable renewable energy credits.
- The Customer shall receive a monthly credit for the gross generation recorded by the additional meter at a rate of \$0.053 per kWh if the solar net metering system is 15 kW capacity or less and \$0.043 per kWh for all other solar systems. For solar net metering systems approved by the Board and in operation prior to January 1, 2015, the Customer shall receive a monthly credit for the gross generation recorded by the additional meter at a rate of \$0.060 per kWh. Customers are eligible to receive the credit established at the time that metering is installed to accommodate measurement of gross generation for a period of ten (10) years.
- 5) The monthly credit shall be applied to the Customer's electric bill as directed by the Customer or group and shall offset any remaining Company electric charges.
- Each monthly credit shall be used within twelve months or shall revert to the Company without any compensation to the Customer.

EFFECTIVE: On <u>BillsService</u> Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

7) The Company's obligation to provide the credit to any Customer shall not commence until the regular billing cycle following the Customer's satisfactory installation of all necessary equipment as reasonably requested by the Company and the Company has installed all required metering equipment.

EFFECTIVE: On BillsService Rendered on January 1, 2017

GREEN MOUNTAIN POWER CORPORATION

Ву:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter1Pt0v2 1-1-17.doc.

### APPLICABLE:

The following rules shall apply to Customers who: (1) take service under a rate within this electric service tariff, (2) have received approval pursuant to 30 V.S.A. Sections 248, 8002 and 8010 from the Vermont Public Service Board for an individual net metered system or a group net metered system as defined below after January 1, 2017, and (3) employ an eligible system (defined below) to generate electricity primarily for their own use and which from time to time generates electricity in excess of the Customer's then current needs and is connected to deliver such excess electricity to the Company's distribution system. Customers must conform to all applicable requirements of 30 V.S.A. Sections 248, 8002 and 8010, to Vermont Public Service Board Orders, Rules, Regulations or electrical safety, power quality, and interconnection requirements pertaining to self-generation of energy for net metering.

The following rules shall also apply to Customers whose net metering system has completed a period of ten (10) years from the date of the net metering system's <u>first</u> commissioning date and who: (1) have a complete certificate of public good application filed with the Board prior to January 1, 2017 and prior to the Company hitting the 15 percent cap, or (2) have a complete certificate of public good application meeting the requirements of the Company's published application qualification as outlined in Docket No. 8652 Order dated June 24, 2016.

The following rules shall also apply to Customers who add additional generation to a group via a new meter where the amount charged or credited for gross generation varies by generation account.

Pre-existing net metering systems that have completed a period of ten (10) years from the net metering system's commissioning date shall continue to receive the \$0.060/kWh, \$0.053/kWh or \$0.043/kWh, as applicable, solar credit on gross production as established for their system under the previous net metering tariff until they have received this credit for a period of ten (10) years.

This tariff provision shall not supersede any terms and conditions of any other tariff provision under which the Customer takes service from the Company, which other terms and conditions shall continue to apply.

### CERTIFICATE OF PUBLIC GOOD:

Any Customer seeking to take service in accordance with this tariff provision shall be

EFFECTIVE: On ServiceBills Rendered on January 1, 2017
GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter2Pt0v2 1-1-17.doc.

required to submit written application for a certificate of public good under 30 V.S.A. Sections 248, <u>if applicable</u>, <u>and Sections 8002</u> and 8010 to the Public Service Board on forms specified by the Board, follow all procedures specified in those forms, and obtain such a certificate from the Board before <u>taking service under the tariff</u>, <u>or connecting any new eligible system</u> to the Company's distribution system or any portion of the Customer's own electric system that is itself connected to the Company's electric distribution system.

A certificate of public good for a net metering system is automatically transferred when the property with the net metering system is sold or otherwise conveyed. The new owner may commence net metering provided that the new owner: (1) agrees to operate and maintain the net metering system according to the terms and conditions of the certificate of public good and in compliance with Board Rule 5.100 and; (2) files a transfer form provided by the Board with the Company and the Board.

Customers may participate in the review of applications for certificates of public good by following the procedures outlined in sections 5.113 through 5.123 of Board Rule 5.100.

#### INDIVIDUAL NET METERING SYSTEM:

- Definition: An eligible individual net metering system is defined as a facility for generation of electricity that is no more than 500 kW capacity; operated in parallel with facilities of the Company's distribution system; is intended primarily to offset part or all of the Customer's own electricity requirements and employs a renewable energy source produced using a technology that relies on a resource that is being consumed at a harvest rate at or below its natural regeneration rate pursuant to 30 V.S.A. Section 8002(21) or is a qualified micro-combined heat and power system with a capacity up to 20 kW that meets the definition of a combined heat and power facility under 30 V.S.A. Section 8015(b)(2). The Customer shall be responsible for the maintenance, safety and condition of the eligible system.
- 2) Energy Measurement: The Company shall measure the net electricity produced or consumed during each billing period via the Customer's billing meter. The Company shall supply an additional meter at a cost to the Customer of \$110 for the purpose of measuring gross generation. The meter shall be installed in accordance with the

| EFFECTIVE: On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Company's standards and shall be the property of the Company. Such additional meter shall be accessible to the Company at all reasonable times, and shall not be removed or otherwise disturbed by the Customer without advance written notice to and permission from the Company. Such additional meter shall be located in reasonable proximity to the existing billing meter and subject to testing by the Company at any time at the Company's own expense upon reasonable advance written notice to the Customer. Customers are required to utilize the Company's advanced metering for all net metering and may not opt-out.

If, at the end of a billing period, the electricity generated and fed back to the distribution system by the Customer exceeds the electricity supplied by the Company, then the Company shall calculate a monetary credit to the Customer by multiplying the excess kWh generated during the billing period by \$0.14840 per kWh. This rate will change as required by changes to the Company's base rates or by Board determination of applicable rates as contemplated in Board Rule 5.100. The Company shall apply the monetized credit to any remaining eligible charges on the Customer's electric bill for that period. If application to such charges does not use the entire balance of the credit, the remaining balance of the credit shall appear on the Customer's bill. Any accumulated monetary credits shall be used by the Customer within twelve months or shall revert to the Company without any compensation to the individual net metering system Customer. Accumulation of monetary credits shall not result in any financial payments to the Customer. Monetary credits created by net metering shall not be transferred to other accounts.

When the net metering system is served via a time-of-use rate class and more generation is produced within a time period than was consumed in that time period, then the excess kWh generation shall be used to offset any net kWh consumption in any other time period within the billing period prior to the monetization calculation.

If, at the end of a billing period, the electricity supplied by the Company exceeds the electricity generated and fed back to the distribution system by the Customer during the billing period, then the Customer shall be billed for the net electricity supplied by the Company. When the net metering system is served via a time-of-use rate class and more

EFFECTIVE: On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter2Pt0<u>v2</u> 1-1-17.doc.

generation is produced within a time period than was consumed in that time period, then the excess kWh generation shall be used to offset any net kWh consumption in any other time period within that billing period. Any monetized credit accumulated on the previous eleven bills shall be applied to offset any eligible charges on the current bill. The Company shall apply monetized credits from previous billing periods using credits that are scheduled to expire soonest first.

Eligible charges on the Customer's electric bill exclude the following charges which are defined as non-bypassable charges: customer charges, energy efficiency charges, electric assistance program charges, any on-bill financing charges and any equipment rental charges. Implementation of this non-bypassable charges provision shall not become effective until bills rendered on and after July 1, 2017.

#### GROUP NET METERING SYSTEM:

- Definition: An eligible group net metering system is defined as a group of 1) Customers, or a single Customer with multiple electric meters, located within the Company's service territory, where the Customers have elected to share monetized excess generation credits created by a net metered system defined as a facility for generation of electricity that is no more than 500 kW capacity; operated in parallel with facilities of the Company's distribution system; is intended primarily to offset part or all of the group net metering system member's own electricity requirements and employs a renewable energy source produced using a technology that relies on a resource that is being consumed at a harvest rate at or below its natural regeneration rate pursuant to 30 V.S.A. Section 8002(21) or is a qualified micro-combined heat and power system with a capacity up to 20 kW that meets the definition of a combined heat and power facility under 30 V.S.A. Section 8015(b)(2). Unmetered municipal street lighting accounts are not eligible to be members of a group. An account cannot be a member of more than one group. The group net metering system members shall be responsible for the maintenance, safety and condition of the eligible system.
- 2) A group net metering system shall file with the Board, DPS and the Company a completed net metering application provided by the Board including the following information:

EFFECTIVE: On Service

On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter2Pt0v2 1-1-17.doc.

- (a) The meters identified by account number to be included in the group system;
- (b) A procedure for adding and removing meters included in the group net metering system and directions as to the manner in which the Company shall allocate any accrued credits among the meters included in the system as outlined further below.
- (c) A designated person responsible for all communications between the group net metering system and the Company except for communications related to individual account billing, payment and disconnection.
- (d) A binding process for resolving disputes among the members of a group relating to net metering.

The Company shall bill directly and send all communications regarding billing, payment and disconnection directly to each individual group net metering system account. All charges for each individual account shall be based on the individual meter for that account and the rate class associated with that meter.

3) Energy Measurement: The Company shall measure the net electricity produced or consumed during each billing period via a billing meter for the group net metering system meter that has the generation not directly interconnected to the utility grid.

The Company shall supply an additional meter at a cost to the Customer of \$110 for the purpose of measuring gross generation. The meter shall be installed in accordance with the Company's standards and shall be the property of the Company. Such additional meter shall be accessible to the Company at all reasonable times, and shall not be removed or otherwise disturbed by the group net metering system members without advance written notice to and permission from the Company. Such additional meter shall be located in reasonable proximity to the existing meter and subject to testing by the Company at any time at the Company's own expense upon reasonable advance written notice to the group net metering system designated person. Customers are required to utilize the Company's advanced metering for all net metering and may not opt-out.

| EFFECTIVE: On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

When the generation is directly interconnected to the utility grid and there is no electric load connected to the meter other than the parasitic load needed by the generation equipment, then the billing meter may also act as the production meter.

(a) (a) If, at the end of a billing period, the electricity generated and fed back to the distribution system by the generating account exceeds the electricity supplied to that account by the Company, then the excess kWh shall be allocated to the group member accounts pursuant to the allocation instructions provided by the group. The allocated kWh shall then be monetized at \$0.14840 per kWh. This rate will change as required by changes to the Company's base rates or by Board determination of applicable rates as contemplated in Board Rule 5.100. The Company shall apply any allocated kWh that are converted to a monetized credit to any eligible charges on the group net metering system member's individual current bills for that period. If application to such charges does not use the entire balance of the credit, the remaining balance of the credit shall appear on the individual member's bill. Any accumulated monetary credits shall be used by the individual member within twelve months or shall revert to the Company without any compensation to the group net metering system member. Accumulation of monetary credits shall not result in any financial payments to the Customer. Monetary credits created by net metering shall not be transferred to other accounts.

When the generating account of a group net metering system is served via a time-of-use rate class and more generation is produced within a time period than was consumed in that time period, then the excess kWh generation shall be used to offset any net kWh consumption in any other time period within the billing period for that account prior to the allocation of excess kWh to group members.

(b) If, at the end of a billing period, the electricity supplied by the Company to the generating account meter exceeds the electricity generated and fed back to the distribution system by the generating meter during the billing

EFFECTIVE: On ServiceBills Rendered on January 1, 2017
GREEN MOUNTAIN POWER CORPORATION

By:

period, then each group net metering system member shall be billed for the electricity supplied by the Company based on the individual meter for that account and the rate class associated with that meter. Any monetized credit accumulated on the previous eleven bills shall be applied to offset any eligible charges on the current bill. The Company shall apply monetized credits from previous billing periods using credits that are scheduled to expire soonest first.

Eligible charges on the Customer's electric bill exclude the following charges which are defined as non-bypassable charges: customer charges, energy efficiency charges, electric assistance program charges, any on-bill financing charges and any equipment rental charges. Implementation of this non-bypassable charges provision shall not become effective until bills rendered on and after July 1, 2017.

4) Allocation of Group Net Metering Excess kWh:

The designated person of the group net metering system shall provide a set of allocation percentages which the Company shall allocate any accrued credits among the meters included in the system. Such a percentage allocation shall add to 100%. Allocations may only be changed on written notice to the Company. The Company shall implement appropriate changes to the allocation of credits within thirty days after receiving written notification from the designated person. Allocations can be changed no more than four times per calendar year and shall not be applied retroactively.

### SITING AND REC ADJUSTORS:

Each individual and group net metering system shall be subject to positive or negative charges applied to the gross kWh of the production meter. Adjustors are based on factors related to site selection and retention of renewable energy credits (RECs) and will be determined by the Board. Pre-existing net metering systems as defined in Board Rule 5.124(A) are not subject to any siting or REC adjustors.

| EFFECTIVE: On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter2Pt0v2 1-1-17.doc.

Each net metering system's siting and REC adjustors shall be set forth in the facility's certificate of public good. For the first ten (10) years after the system is commissioned, any zero or positive siting or REC adjustor shall be multiplied by the kWh from the production meter and applied to bills as credits. Siting and REC adjustor credits allocated to group members shall follow the same percentage allocation as directed by the group's designated person. Credits shall not apply to non-bypassable charges. Any negative siting or REC adjustor shall be multiplied by the kWh from the production meter and applied to bills as additional charges. Siting and REC adjustor charges allocated to group members shall follow the same percentage allocation as directed by the group's designated person. Negative siting or REC adjustors will continue to create additional charges in perpetuity.

### DETERMINATION OF REC ADJUSTOR:

At the time an application for authorization to construct a net metering system is filed with the Board, the applicant must elect whether to retain ownership of any RECs generated by the system or whether to transfer such RECs to the Company. This election is irrevocable.

### **REC ADJUSTOR RATES:**

For net metering systems who apply for a certificate of public good after January 1, 2017 shall be subject to the following REC adjustors.

- 1) REC Adjustor (Transfer) = \$0.030 per kWh.
- 2) REC Adjustor (Retention) = negative \$0.030 per kWh.
- 3) Hydroelectric facilities = \$0.000 per kWh.

### DETERMINATION OF SITING ADJUSTOR:

At the time that the Board issues a certificate of public good it will set out a siting adjustor based on the siting criteria outlined in Board Rule 5.100.

| EFFECTIVE: On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

### SITING ADJUSTOR RATES:

For net metering systems who apply for a certificate of public good after January 1, 2017 shall be subject to the following siting adjustors.

- 1) Category I = \$0.010 per kWh.
- 2) Category II = \$0.010 per kWh.
- 3) Category III = negative \$0.010 per kWh.
- 4) Category IV = negative \$0.030 per kWh.
- 5) Hydroelectric facilities = \$0.000 per kWh.

#### 500 KW CUSTOMER LIMIT

The cumulative capacity of net metering systems allocated to a single customer shall not exceed 500 kW. A customer with multiple accounts shall not exceed this 500 kW limit.

### INTERCONNECTION REQUIREMENTS:

The interconnection of all net metering systems is governed by Board Rule 5.500. The applicant bears the costs of all equipment necessary to interconnect the net metering system to the distribution grid and any distribution system upgrades necessary to ensure system stability and reliability.

### DISCONNECTION OF NET METERED SYSTEM:

Any eligible system shall be subject to emergency disconnection of the system. These emergency disconnection procedures do not supplant Board Rules 3.300 and 3.400 or other tariff rules and regulations related to Company disconnections.

In general, an emergency shall be considered to occur when the interconnection of an eligible system represents a condition which is likely to result in imminent significant disruption of service to the Company's Customers or is imminently likely to endanger life or property.

If the Company performs an emergency disconnection of an eligible system, the Company shall notify the Customer within twenty-four hours after the disconnection. If the emergency is not caused by the eligible system, then the Company shall reconnect the system upon cessation of the emergency. If the emergency is caused by the eligible

| EFFECTIVE: On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By:

Charlotte B. Ancel

Vice President, General Counsel, Power Resources, and Corporate Secretary A:\RegulatoryAffairs\RetailRateAdministration\RetailTariffs\CurrentTariffs\NetMeter2Pt0<u>v2</u> 1-1-17.doc.

system, then the Company shall communicate the nature of the problem with the Customer within five days, and attempt to resolve the issue with the Customer. The Company shall file a disconnection petition with the Board if the Company and the Customer have not reached a mutually agreed-upon resolution within thirty days of the emergency disconnection.

Non-emergency disconnections of an eligible system by the Company shall follow the same process as set out above for emergency disconnections of such system, except that the Company shall give written notice of the disconnection no earlier than ten days and no later than three working days prior to the first date on which the disconnection of the system may occur. Such prior notice shall communicate the reason for the disconnection and the expected duration of the disconnection. If the eligible system is not the reason for the system's disconnection, the Company shall reconnect the system as soon as the activity necessitating the disconnection ceases. Temporary, non-emergency disconnections due to the removal of the meter by the Company or their representatives such as those related to a meter exchange or meter test shall not require prior notice.

A Customer shall be prohibited from reclosing a disconnect device, which has been opened and tagged by the Company, without the prior approval of the Company, or, in event of dispute, the Board.

A Customer who initiates a permanent disconnection of an eligible system shall promptly notify the Company.

| EFFECTIVE: On ServiceBills Rendered on January 1, 2017 GREEN MOUNTAIN POWER CORPORATION

By: