

SCHEDULE NO. MASH-VNEM
MULTIFAMILY AFFORDABLE SOLAR HOUSING
VIRTUAL NET METERING

APPLICABILITY

Applicable to Qualified Customers whose Service Account(s) are located at a Residential Complex on the same Premises upon which one or more Eligible Generators have been installed and for which the Owner or Operator of the Residential Complex contracts with Liberty CalPeco to have all eligible energy produced from the Eligible Generators supplied to Liberty CalPeco for the sole purpose of providing Allocated Credits (kWh) to the Residential Complex’s Common Area and/or tenant Service Accounts to offset their energy usage: (1) with a capacity of not more than 1,000 kilowatts; (2) that is located on the customer’s owned, leased, or rented premises; (3) is interconnected and operates in parallel with the Utility’s transmission and distribution facilities, (4) is intended primarily to offset part or all of the Qualified Customer’s own electrical requirements; and (5) uses one of the following generation technologies: (a) solar or wind turbine, or a hybrid system of both as specified in PUC 2827(b)(2) and 2827 (b) (4) (“Eligible Qualified Customer”); or (b) eligible fuel cell as specified in California Public Utilities Code Section 2827.10(a)(2) and (3) (“Fuel Cell Qualified Customer”). This schedule is applicable on a first-come, first-served basis for new (1) Eligible Qualified Customers until such time as the total rated generating capacity of Eligible Qualified Customers exceeds five percent of the Utility’s aggregate peak load in California; and (2) Fuel Cell Qualified Customers until such time as 112,500 kW of rated generating capacity is served under this Schedule statewide and will expire on January 1, 2014 unless extended by legislation.

This service is not applicable to interruptible customers.

This service is not applicable to a Direct Access (“DA”) customer where the Customer’s ESP does not offer such a service. Additionally if a Qualified Customer participates in direct transactions with an ESP that does not provide distribution service for the DA, the ESP, and not the Utility, is obligated to provide net energy metering to the Qualified Customer.

This schedule is offered in compliance with California Public Utilities Code Section 2827, et seq. and is not intended to expand nor limit rights under such section.

TERRITORY

Entire California Service Area.



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Definitions

Terms utilized in the context of this Schedule are defined below:

- a. Common Area Service Accounts: Accounts for which electrical service is provided to the common areas of the Residential Complex which may include electrical service for recreation facilities, parking and walkway lighting, landscaping, elevator and laundry rooms.
- b. Tenant Service Accounts: Accounts for which electrical service is provided to the tenants of the Residential Complex.
- c. Qualified Customer: A Qualified Customer is either: (i), the Owner or Operator of a Residential Complex which is qualified to participate under the Multifamily Affordable Solar Housing (MASH) program or the New Solar Homes Partnership (NSHP) who may or may not have received MASH incentive funding; (ii) the Owner or Operator of a Residential Complex whose name is on the Service Account(s) of the common areas of the Residential Complex; or (iii) a tenant of the Residential Complex with a separate Service Account.
- d. Owner: An Owner is the Qualified Customer who has the legal right or rightful claim to ownership of the Residential Complex and who has one or more Eligible Generators located on the Premises.
- e. Operator: An Operator is a Qualified Customer who operates a business by leasing or renting the Residential Complex from an Owner and who has one or more Eligible Generators located on the Premises.
- f. Residential Complex: A Residential Complex is defined as all of the real property and apparatus employed in a single low income housing enterprise on contiguous parcels of land, which may be divided by a dedicated street highway or public thoroughfare or railway, so long as they are otherwise contiguous and part of the same single low income housing enterprise, they are all under the same ownership. The Residential Complex must satisfy one of the following two definitions.

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DEFINITIONS

- (i) Multifamily Affordable Solar Housing: Residential housing that satisfies the criteria for low-income residential housing as provided in Public Utilities (PU) Code Section 2852(a)(3).

- (ii) New Solar Homes Partnership (NSHP): As defined in Public Resources Code Sections 25401.6 and 25744, residential housing that qualifies as affordable housing projects in communities with a plurality of minority or low-income populations and that utilizes eligible distributed emerging technologies including, but not limited to, projects undertaken pursuant to Section 50052.5, 50053, or 50199.4 of the Health and Safety Code. (L)

- g. Eligible Generator: A solar electrical generating facility with a capacity of not more than one megawatt that is: (i) located on the Owner or Operator's Residential Complex Premises; (ii) interconnected and operates in parallel with the electric grid, and (iii) is intended primarily to offset part or all of the Owner or Operator's own electrical requirements and/or requirements of the tenants of the Residential Complex.

- h. Net Allocated Energy: Electricity allocated to a Common Area Service Account or Tenant Service Account in excess of the Account's total metered usage over its Relevant Period.

- i. Aggregate Customer Peak Demand: Aggregate Customer Peak Demand is defined as the highest sum of all customers' non-coincident peak demands that occur in any calendar year (i.e., the aggregation, or sum, of each individual customer's peak demand in any calendar year) and is the denominator used in the formula to calculate progress toward reaching the NEM program cap.

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RATES

1. All rates charged under Schedule MASH-VNEM will be in accordance with the Qualified Customer’s otherwise-applicable metered rate schedule (“OAS”). A Qualified Customer served under this Schedule is responsible for all charges from its OAS including monthly minimum charges, customer charges, meter charges, facilities charges, demand charges and surcharges on the net consumption of electricity supplied by the Utility. The Allocated Credits will be credited to the eligible Service Accounts located at a Residential Complex on the same Premises upon which one or more Eligible Generators have been installed.

2. An eligible Qualified Customer who elects to receive compensation under this Schedule will have its eligible Service Accounts receive a rate (the “Surplus Compensation Rate”) that will mirror the actual cost of non-renewable energy supplied to Utility that is displaced by the generator for the applicable month. The Surplus Compensation Rate will be based on the Pacific Gas and Electric Company methodology used to determine its Default Load Aggregation Price as applied to the Utility’s Commission-approved power purchase agreement rates. The Surplus Compensation rate will be defined as the rate in effect on the Calendar month in which the customer receives the meter reading.

3. The voltage and transformer adjustment, when it applies on the Qualified Customers OAS shall be as stated on the OAS.

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1. Metering:

Generation Limitation: The sum of the capacities of all Eligible Generators is limited to the cumulative peak loads of all Service Accounts within the Residential Complex. No generator other than the Eligible Generator, as defined in this schedule, can be connected behind the single meter that is used to meter the load and generation output of each Eligible Generator. The Owner or Operator is responsible for any costs associated with upgrades to existing facilities necessitated by the installation of generation which exceeds the capacity of the existing service connection or distribution circuit.

2. Billing:

Billing for Eligible Qualified Customers Using Net Energy Metering. The following applies to Customer Generators using a solar generating facility or wind generating facility at or below 1000 kilowatts or solar/wind hybrid generating facility at or below 1000 kilowatts:

A. Net energy is defined as the difference between the electricity supplied by the Utility through the electric grid to the Eligible Qualified Customer and electricity generated by an Eligible Customer Generator and fed back into the electric grid over a 12 -month period or part, such that the end of the Relevant Period ends in December 31 of each year (“Relevant Period”).

B. At the end of each Relevant Period, the Eligible Qualified Customer will receive a true up for net energy exported to the utility:

- (1) In the event that the value of the electricity supplied by the Utility at the end of the Relevant Period exceeds the electricity generated by the Eligible Qualified Customer during the same period, the Eligible Qualified Customer is a net electricity consumer and the Utility shall bill the Eligible Qualified Customer for the net consumption during the Relevant Period based on the Eligible Qualified Customer’s OAS

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2. Billing (continued):

- (2) In the event that the value of the electricity supplied by the Utility at the end of the Relevant Period is less than the electricity generated by the Eligible Qualified Customer at the end of the Relevant Period, the eligible Customer Generator will be paid at the applicable Surplus Compensation Rate applicable at the end of the Relevant Period, and its associated eligible Service Accounts will be credited for the respective amount.
- (3) The minimum threshold for monetary payment at the end of the true up period will be \$25 and amounts less than \$25 will be carried over to the next 12 month period.

- C. **Monthly Billing.** If the Utility supplies the Qualified Customer with electricity, the Utility shall provide the Qualified Customer with net electricity consumption information with each regular bill. That information shall include the current monetary balance owed the Utility for the net electricity consumed since the last Relevant Period ended. For, Qualified Customers, the net balance of all moneys owed must be paid on each monthly billing cycle; when they are a net electricity producer over a monthly billing cycle, any excess kilowatt-hours generated during the billing cycle shall be carried over to the following billing period as a monetary credit, at the applicable Surplus Compensation Rate and appear as a credit on the Customer-Generator’s account, until the end of the Relevant Period.
- D. To calculate the maximum generation credit for a Qualified Customer, the Utility will, at the end of each Relevant Period, determine the credit for energy based on the following equation:
- E. $Credit (\$) = Total \text{ energy fed back to the Utility (kWh) during the relevant period} \times Surplus \text{ Compensation Rate for the relevant period.}$
- F. The Utility shall provide the Qualified Customer with gross energy (kWh) consumption and net energy (kWh) consumed/produced information with each monthly billing statement.

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2. Billing: (Continued)

- G.** The Utility’s written approval of the Qualified Customer’s protection-isolation method to ensure generator disconnection in case of a power interruption from the Utility is required before service is provided under this Schedule MASH-VNEM.
- H.** Payment at end of 12 month relevant Period. Utility will true up the Qualified Customers who elects service under this Schedule at the end of the 12 month period, which will be set on the basis of a calendar year and paid after the December bill. Qualified Customer’s Service Accounts are eligible for the Utility’s payment. The minimum threshold for monetary payment at the end of the true up period will be \$25 and amounts less than \$25 will be carried over to the next 12 month period.
- I.** OAS with Baseline Rates: Allocated Credits are subtracted first from the non-baseline usage, if any, and then subtracted from baseline usage until credits are exhausted.
- J.** Bill payments made by the Qualified Customer within the relevant Period will continue to be applied to the Qualified Customer Account.
- K.** Billing information: Liberty CalPeco will provide each Customer with its net energy consumption information with each regular bill. That information will include the current monetary balance owned to Liberty CalPeco for the net energy consumed since the start of the Relevant Period.
- L.** Insurance: Owner/Operator must keep in force the amount of property, common general liability and/or personal liability insurance Owner/Operator has in place at the time they initiate service on this tariff

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2. Billing: (Continued)

N. Release of Information: Owner/Operator agrees that Liberty CalPeco may from time to time release to the California Energy Commission and/or the California Public Utilities Commission information regarding the eligible Multifamily Affordable Housing Residential Complex, including the Owner/Operator’s name, each Solar Generating Facility’s location, their capacity and operating characteristics, and Customer names and account numbers at the Residential Complex.

3. Special Conditions

- 1) A visible disconnect switch is required to isolate the generating facilities from the Utility’s distribution system. The disconnect switch shall be furnished and installed by the customer. The device must be accessible to Utility personnel and be capable of being locked in the open position.
- 2) Generating facilities shall not be operated in a manner that interferes with the Utility’s operations or service to other customers. The Utility retains the right to disconnect service to maintain safety and quality of service to other customers.
- 3) The Utility will ensure that requests for establishment of net energy metering service for solar, wind and solar/wind hybrid generating facilities are processed in a time period not exceeding 30 working days from the date that the Utility receives a completed application for service hereunder, including a signed interconnection agreement from the Customer Generator and the electric inspection clearance from the governmental authority having jurisdiction. The Utility shall notify the Commission if it cannot interconnect within such period.

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- 3. Special Conditions (continued):
 - 4) QF Status – Customers receiving net surplus compensation must first demonstrate to Liberty that they are Qualifying Facilities in order to receive service under this Schedule.



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