



Schedule MASH-VNM
Multifamily Affordable Solar Housing
Virtual Net Metering

Sheet 1

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 SCE to have all eligible energy produced from the Eligible Generators supplied to SCE for the sole purpose of providing Allocated Credits to the Residential Complex's common area and/or tenant Service Accounts to offset their energy usage. (T)

In addition to receiving Allocated Credits (kWh) for the energy produced by the Eligible Generator, the Owner or Operator of the Residential Complex will be eligible for upfront incentives. See the Special Conditions section of this Schedule for definitions and further requirements.

Service Accounts not fully utilizing energy allocated to them under this schedule may be eligible for additional compensation at the conclusion of their Relevant Period as described in Special Conditions 1.h and 9.f.

This Schedule is available to a Residential Complex with one or more Eligible Generators on a first-come, first-served basis until the first of the following events occurs: (a) the total combined rated generating capacity of Renewable Electrical Generating Facilities participating under Schedule NEM and Eligible Generators participating under Schedule NEM-V and Schedule MASH-VNM exceeds five (5) percent of SCE's aggregate customer peak demand, as defined in Special Condition 1; or (b) December 31, 2015. However, pursuant to D.12-05-036, no new Residential Complex may take service under this Schedule beginning January 1, 2015, unless the Commission issues new policy rules for the NEM program before that date. Notwithstanding the foregoing January 1, 2015 suspension provision, SCE will continue to offer NEM to renewable customer-sited generation until it has reached its target for solar photovoltaic capacity under the California Solar Initiative.

This Schedule is applicable to Direct Access (DA) and Community Choice Aggregation (CCA) Service Customers provided the Qualified Customer's Electric Service Provider (ESP) or Community Choice Aggregator offers a virtual net energy metering tariff consistent with the provisions of this Schedule. Qualified DA and CCA Customers should look to their ESP or Community Choice Aggregator for virtual net metering services related to the generation-related energy charges and credits that may result from receiving such service. DA and CCA Service Qualified Customers are not eligible to receive Net Surplus Compensation (NSC) from SCE. (N)

TERRITORY

Within the entire territory served.

RATES

All terms and conditions of the Qualified Customer's Otherwise Applicable Tariff (OAT) will apply except that the Allocated Credits and NSC for which this Schedule provides will be applied to the monthly bills for all eligible Service Accounts designated by the Owner or Operator. (T)

An Allocated Credit as described in Special Condition 9.b. is determined by multiplying the kilowatt hours (kWh) that the designated Eligible Generators delivers to the grid by the allocation percentages that the Owner or Operator designates in the Allocation Request Form for the Common Area and Tenant Service Accounts located at the Residential Complex. The Allocated Credit is then used to reduce the energy billed to the Qualified Customer, as described in Special Condition 9.

NSC is equal to the Net Surplus Compensation Rate (NSCR) multiplied by Net Allocated Energy. Pursuant to PU Code Section 2827 (h)(4)(A), NSC is designed to compensate participating Service Accounts for energy allocated to them in excess of their total consumption over their Relevant Period. The NSCR is based on the default load aggregation point (DLAP) price. See Special Condition 9.g for calculation of NSCR.

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Sheet 4

SPECIAL CONDITIONS (Continued)

2. Contracts: The Owner or Operator must execute the following contract(s) to qualify for this Schedule.
 - a. Generating Facility Interconnection Application (Form 14-732);
 - b. Multifamily Affordable Solar Housing – Virtual Net Metering Interconnection Agreement (Form 14-653); and
 - c. Multifamily Affordable Solar Housing – Virtual Net Metering Allocation Request Form (Form 14-654).

The Owner or Operator electing net surplus compensation for its Bundled Service common area and tenant service accounts must execute: (T)

- a. An executed Net Energy Metering (NEM) or Multifamily Affordable Solar Housing Virtual Net Metering (MASH-VNM) Surplus Generation Selection Form (Form 14-721).
- b. A Net Surplus Compensation Rate Selection Form (Form 14-906) to certify that the Owner’s or Operator’s generating facility is a Qualifying Facility pursuant to the Public Utility Regulatory Policies Act of 1978 that is exempt from certification at the Federal Energy Regulatory Commission. Service Accounts receiving NSC are defaulted to the bill credit option.

The Owner or Operator must provide SCE all required forms in order that Service Accounts receive compensation.

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Sheet 5

SPECIAL CONDITIONS (Continued)

3. Upfront Installation Incentives: Pursuant to D.08-10-036, the MASH program provides an upfront rebate for the installation of a qualifying solar energy system, based on an estimate of system performance using the Expected Performance Based Buydown (EPBB) methodology adopted in D.06-08-028. Owners or Operators of applications approved on or after July 14, 2011, will receive \$1.90 per watt for systems offsetting common area load and \$2.80 per watt for systems offsetting tenant load. An Owner or Operator may receive both types of incentives if the installation will offset both common area and tenant load. Higher incentives may be available based on program rules.

4. Metering Requirement: The Owner or Operator will be responsible for and will pay all costs associated with, SCE installing, on each Eligible Generator, a net generator output meter capable of recording generator output in fifteen minute intervals. SCE must approve the location of the net generator output metering equipment which will normally be grouped with the service and metering equipment for one, or more, of the tenant or common area meters.
 - a. The point of common coupling where each Eligible Generator transfers energy to SCE's grid will be measured (metered) using a single net generator output meter capable of registering the flow of energy in two directions. If the Owner's or Operator's existing meter is not capable of measuring the flow of energy in two directions, an appropriate meter will be provided at the expense of the Owner or Operator to provide the information necessary to accurately bill or credit as required under this Schedule. No additional load other than incidental load related to the inverters and support of the solar generator system may be registered on the meter.

 - b. Each Common Area Service Account will have a standard SCE billing meter. If the Owner or Operator takes service on a time-of-use (TOU) rate schedule, a meter capable of Interval Metering will be required on the Service Account of each Eligible Generator.

 - c. Each Tenant Service Account will have a standard SCE billing meter. If the residential tenant takes service on a TOU rate schedule, a meter capable of Interval Metering will be required on the Service Account of each Eligible Generator.

 - d. If the Generator Account is on DA service and the Owner uses a third-party Meter Data Management Agent (MDMA), the Owner will be responsible for any and all costs associated with providing SCE acceptable interval data into the SCE system on a timely basis. (N)
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(N)

5. Interconnection Costs: The Owner or Operator of each Eligible Generator must pay all interconnection costs required under Rule 21, including but not limited to re-wiring, trenching, conduit, and other facility costs that are needed.

6. Annual Solar Energy Credit. The total energy (in kWhs) estimated to be recorded by the generation output meters on the Eligible Generators and allocated to the Qualified Customers must not exceed the total estimated energy usage (in kWhs) for the common area meters and tenant meters connected at the Service Delivery Point for the next twelve months for a new Residential Complex, or the previous twelve months' recorded energy usage for an existing Residential Complex. Compliance with this requirement will be determined at the onset of the program when SCE conducts an energy audit of the customer's Residential Complex.

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SPECIAL CONDITIONS (Continued)

- 7. 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

- 8. Relevant Period: A twelve-month period, or portion thereof, commencing on the next regularly scheduled meter read date following the Date of written approval of Parallel Operation of the Owner's or Operator's Eligible Generator to SCE's electric system, for purposes of participation in the MASH program, and on every subsequent anniversary of that date. For Qualified Customers electing to receive service under this Schedule for an Eligible Generator that is already interconnected to SCE's electric system, the Relevant Period will commence on the date the Qualified Customer begins receiving service under this Schedule and on every subsequent anniversary thereof. (N)
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(N)

- a. If a Qualified Customer terminates service or if the identity of the Qualified Customer changes before the end of a Relevant Period, the Relevant Period for that Qualified Customer's Service Account will consist of that period from the Interconnection Date, or a subsequent anniversary date, until the effective date of termination or change of identity. If the identity of the Qualified Customer changes at the location of an installed Service Account, a new Relevant Period will commence for that Qualified Customer on the next regularly scheduled meter read date following the date the new Qualified Customer takes service under this Schedule, and every subsequent anniversary.

- b. If an Owner or Operator terminates service under this Schedule for the Residential Complex prior to the end of any Relevant Period, the Relevant Period for all associated Common Area and Tenant Service Accounts will end on the effective date of the service termination.

- c. If a change of Owner or Operator occurs for a Residential Complex prior to the end of any Relevant Period, the Relevant Period for the Owner's or Operator's associated Common Area Service Accounts will end. The new Owner's or Operator's associated Common Area Service Accounts will automatically be placed on this Schedule and a Relevant Period will begin for that new Owner or Operator on the next regularly scheduled meter read date following the date the new Owner or Operator takes service under this Schedule, and every subsequent anniversary. Qualified Customers in individual tenant units will retain their designated Relevant Period as defined prior to the change of ownership.

- d. If a Qualified Customer experiences a change from DA or CCA Service to Bundled Service or from Bundled Service to DA or CCA Service, the Relevant Period will consist of that period from the anniversary date until the effective date of the change in service. (N)
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(N)
(L)

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Sheet 7

SPECIAL CONDITIONS (Continued)

9. Billing Process: The following billing process will be used. (L)
- a. Gross Credit: The total metered kWh output of all Eligible Generators, delivered to SCE's grid, as measured (metered) at the point of common coupling described in Special Condition 4.a. (L)
- b. Allocated Credit:
- (i) The Owner or Operator must designate the percentage of the Gross Credit that will be allocated to Common Area Service Accounts and Tenant Service Accounts, respectively on the MASH – VNM Allocation Request Form. This allocation will become effective on the next regularly scheduled meter read date following the date on which SCE provides the Owner or Operator with written approval to begin parallel operation of the Eligible Generators with the electric grid, and it will remain in effect for a minimum of five years. For Qualified Customers electing to receive service under this Schedule for an Eligible Generator that is already interconnected to SCE's electric system, the allocation will become effective on the date the Qualified Customer begins receiving service under this Schedule, and will remain in effect for a minimum of five years. (N)
- (ii) The Owner or Operator must determine the percentage of Allocated Credit of the Eligible Generator(s) that will be further allocated to the individual Tenant Service Account(s) based on the relative size of the residential unit(s), generally consistent with the manner in which affordable housing rents are established. These allocations will remain in effect unless: (1) a unit becomes uninhabitable; (2) a unit that was previously removed or excluded from the allocation becomes habitable; (3) a new residential unit of the Residential Complex becomes available. At such time, the Owner or Operator may submit an updated MASH – VNM Allocation Request Form, which will remain in effect for a minimum of twelve months. An updated allocation under this provision will become effective on the next regularly scheduled meter read date that is at least 30 days after SCE receives the allocation request form. (N)
- (iii) The Owner or Operator must determine the percentage of Allocated Credit of the Eligible Generator(s) that will be further allocated to individual Common Area Service Accounts. These allocations will remain in effect until: (1) service to the Common Area Service Account(s) is permanently terminated; or (2) a new Common Area Service Account at the Residential Complex is established. At such time, the Owner or Operator may submit an updated MASH – VNM Allocation Request Form, which will remain in effect for a minimum of twelve months. An updated allocation under this provision will become effective on the next regularly scheduled meter read date that is at least 30 days after SCE receives the allocation request form.
- (iv) The total allocation of kWhs to Common Area Service Account(s) is calculated by multiplying the common area percentage allocation by the Gross Credit. The individual allocation of kWhs to each Common Area Service Account is calculated by multiplying this total common area allocation by the percentage allocation for each individual Common Area Service Account. The total allocation of kWhs to Tenant Service Accounts is calculated by multiplying the tenant percentage allocation by the Gross Credit. The individual allocation of kWhs to each Tenant Service Account is calculated by multiplying this total tenant allocation by the percentage allocation for each individual Tenant Service Account.

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Sheet 8

SPECIAL CONDITIONS (Continued)

9. Billing Process: (Continued)

- c. **Qualified Customer Bill:** Qualified Customers served under this Schedule are responsible for all charges of their OAT. Each month, Allocated Credits, in kWhs, are subtracted from the metered usage, in kWhs. Charges are applied to the resulting kWh difference according to the provisions of the Qualified Customer's OAT. The bill may therefore reflect either a charge or a credit.

For DA and CCA Service Qualified Customers, the ESP or Community Choice Aggregator is responsible for providing the applicable generation-related energy charges or credits. Generation-related energy credits, if any, do not reduce the charges owed to SCE, and Delivery Service credits, if any, do not reduce the charges owed to the ESP or Community Choice Aggregator. (N)

- d. **OAT 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.

- e. **OAT with TOU Rates:** Allocated Credits for each TOU period are subtracted from the energy usage for that same TOU period.

- f. **Bill Payment:** Qualified Customers are required to pay their bill on a monthly basis. Excess credits, in dollars, are carried over to the following billing period, until the end of the Relevant Period. An annual true-up occurs at the end of the Relevant Period, pursuant to PU Code Section 2827(h). Upon completion of the annual true-up, any remaining credits will be retained by SCE and the Qualified Customer will not be entitled to any compensation unless the Owner or Operator has executed the Net Energy Metering (NEM) or Multifamily Affordable Solar Housing-Virtual Net Metering (MASH-VNM) Surplus Generation Selection Form (Form 14-721) electing net surplus compensation; and 2) the Net Surplus Compensation Rate Selection Form (Form 14-906) to certify that the generating facility is a Qualifying Facility pursuant to the Public Utility Regulatory Policies Act of 1978 that is exempt from certification at the Federal Energy Regulatory Commission. If the Owner or Operator elects such compensation, the Common Area Service Accounts and the Tenant Service Accounts with Net Allocated Energy will receive NSC.

The Common Area Service Accounts and the Tenant Service Accounts will continue to receive such compensation for each Relevant Period following the execution of such election, unless the Owner or Operator affirmatively elects to end Net Surplus Energy compensation. The Owner or Operator is eligible to revise their Net Surplus Energy elections, annually, as provided under Rule 12.

For DA and CCA Service Qualified Customers, separate annual true-ups of all charges and credits, consistent with the provisions set forth under this Schedule, will be calculated 1) by SCE for the applicable SCE charges and credits and 2) by the ESP or Community Choice Aggregator for the applicable ESP and CCA charges and credits. Upon completion of the annual true-up, any remaining Delivery Service credits will be retained by SCE and the Qualified Customer will not be entitled to any compensation from SCE. DA and CCA Service Qualified Customers are not eligible to receive Net Surplus Compensation (NSC) from SCE. (N)

(N)
(L)

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Sheet 9

SPECIAL CONDITIONS (Continued)

9. Billing Process: (Continued)

- g. NSCR is equal to the simple rolling average of SCE hourly \$-per-kWh prices from Hour Ending 08 through Hour Ending 17 (7 a.m. to 5 p.m.) for each day for the 12 month period corresponding to the customer's 12-month Relevant Period. The rolling average is calculated on a monthly basis to be effective the first of each month and is applied to all customers with a Relevant Period ending in that month. SCE uses a full 12 months (365 days, or 366 days for leap years) of DLAP prices, as published on the CAISO Open Access Same-time Information System (OASIS), ending the twentieth (20th) day of each month. SCE then calculates the NSCR within five days of the first of the month to allow the CAISO to finalize the day-ahead DLAP prices. This rate will be applied to all eligible net surplus generators, irrespective of their rate class. The NSCR will be posted on SCE's website and updated monthly. (L)
- h. Bill payments made by the qualified customer within the relevant period will continue to be applied to the qualified customer account. (L)
- i. Billing information: SCE shall provide each Customer with its net energy consumption information with each regular bill. That information shall include the current monetary balance owed to SCE for the net energy consumed since the start of the current relevant period.

10. 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.

11. Release of Information: Owner/Operator agrees that SCE may from time to time release to the California Energy Commission and/or the California Public Utilities Commission information regarding the eligible Multifamily Affordable Solar 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.

12. Pursuant to Public Utilities Code Section. 2827 (c)(2), any customer with an existing electrical generating facility and meter who enters into a new net energy metering contract (for example, form 14-653 Multifamily Affordable Solar Housing-Virtual Net Metering Interconnection Agreement for the Building Owner of Multifamily Affordable Building with a Solar Generating Facility of 1 Megawatt or Less) shall complete and submit a copy of form 14-903 NEM/MASH-VNM Inspection Report to SCE, for each electrical generating facility, unless each such electrical generating facility and meter have been installed or inspected within the previous three years. The NEM/MASH Inspection Report shall be prepared by a California licensed contractor who is not the owner or operator of any of the facilities or meters. A California licensed electrician shall perform the inspection of the electrical portion of each facility and meter and sign the NEM/MASH-VNM Inspection Report. If an inspection is required, the customer shall submit the fully completed NEM/MASH-VNM Inspection Report to SCE within 90 days of the customer becoming the customer of record at this account, or else the customer agrees to disconnect one of its Generating Facilities and inform SCE it no longer will take service on Schedule NEM or MASH-VNM. (L)

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Sheet 10

SPECIAL CONDITIONS (Continued)

12 Billing Process: (Continued)

By signing the interconnection agreement, the NEM/MASH-VNM Inspection Report shall be (L)
incorporated into it. (L)

13. ESP Charges: Where SCE provides metering and billing for a Qualified DA Customer, (N)
SCE may recover the incremental costs related to virtual net energy metering and |
billing services from the Qualified Customer's ESP, as set forth in Schedule ESP-DSF. (N)

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