



**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**RATES** (Continued)

- A. Net Energy Metering. Net Energy Metering applies to solar electric generating facilities up to 1,000 kilowatts, wind electric generating facilities 50 kilowatts or less or a hybrid of the two, with a wind generator capacity of less than 50 kilowatts. All rates charged under Schedule NEM will be in accordance with the eligible Customer-Generator's otherwise-applicable metered rate schedule ("OAS"). A Customer-Generator 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.
- B. Co-energy Metering. Co-energy Metering applies to wind or solar/wind hybrid generating facilities where the wind generator capacity is greater than 50 kilowatts, biogas digester or fuel cell generating facilities less than 1,000 kilowatts. A Customer-Generator served under this Schedule is responsible for all customer charges from its OAS including monthly minimum charges, meter charges, facilities charges, demand charges and surcharges on the net consumption of electricity supplied by the Utility, except that facilities and demand charges for fuel cell and biogas digester generating facilities will be based upon gross demands.

In addition, because the Utility does not offer TOU rates under its residential and non-residential A-1 OAS, for the limited purpose of Co-energy Metering, the following TOU rates will be used:

Residential where Schedule D-1 would be the Customer's OAS.

Customer Charge

Per meter, per month \$6.00

Energy Charges – (See Schedule D-1, Special Condition 2)

Per kWh, per mo.

	<u>Trans</u> <sup>1</sup>	<u>Distrbtn</u> <sup>2</sup>	<u>PPPC</u> <sup>3</sup>	<u>PUCRF</u> <sup>4</sup>	<u>Gen</u> <sup>5</sup>	<u>ECS</u> <sup>6</sup>	<u>Total Energy Rate</u>	
Per On-Peak kWh, per mo.	\$0.01474	\$0.07416	\$0.00221	\$0.00024	\$0.08677	\$0.00022	\$0.17834	(D, R)
Per Off-Peak kWh, per mo.	\$0.00014	\$0.02492	\$0.00221	\$0.00024	\$0.06968	\$0.00022	\$0.09741	(D, R)
Baseline Credit <sup>8</sup>							(\$0.02472)	

**(Continued)**

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**RATES**(Continued)

Non-residential, where Schedule A-1 would be the Customer's OAS.

Customer Charge:

Per meter, per month \$11.00

Energy Charges:

A. Rates that are applicable to Customers where demand has not exceeded twenty (20) kilowatts for any three (3) months during the preceding twelve (12) months. Applicability criteria are set forth in Schedule No. A-1, Special Condition 5.

	<u>Trans</u> <sup>1</sup>	<u>Distrbtn</u> <sup>2</sup>	<u>PPPC</u> <sup>3</sup>	<u>PUCRF</u> <sup>4</sup>	<u>Gen</u> <sup>5</sup>	<u>FTA/TTA</u> <sup>6</sup>	<u>ECS</u> <sup>7</sup>	<u>Total Energy Rate</u> <sup>8</sup>	
Per On-Peak kWh, per mo.	\$0.01862	\$0.08006	\$0.00179	\$0.00024	\$0.08247	\$0.00828	\$0.00022	\$0.19168	(R)
Per Off-Peak kWh, per mo.	\$0.00015	\$0.02133	\$0.00179	\$0.00024	\$0.06300	\$0.00828	\$0.00022	\$0.09501	(R)

B. Rates that are applicable to all other Customers not meeting applicability criteria set forth in Schedule No. A-1, Special Condition 5.

Per On-Peak kWh, per mo.	\$0.01862	\$0.08006	\$0.00179	\$0.00024	\$0.08247	\$0.00000	\$0.00022	\$0.18340	(I)
Per Off-Peak kWh, per mo.	\$0.00015	\$0.02133	\$0.00179	\$0.00024	\$0.06300	\$0.00000	\$0.00022	\$0.08673	(I)

1. Trans – Transmission Charges.
2. Distrbtn - Distribution Charges
3. PPPC – Public Purpose Programs Charge to fund public energy efficiency activities and low income assistance programs.
4. PUCRF – Public Utilities Commission Reimbursement Surcharge that is described in Schedule No. RF
5. Gen – Generation Charges which are applicable only to bundled service customers. Includes an Energy Cost Adjustment Clause billing factor that is described in Part 6 of the Preliminary Statement.
6. FTA/TTA – Fixed Transition Amount/Trust Transfer Amount that is described in Schedule No. FTA
7. ECS – Energy Commission Surcharge that is established by the California Energy Commission
8. Total Energy Rate – Sum of transmission charges, distribution charges, public purpose programs charges, PUC reimbursement surcharges, generation charges, fixed transition amount/trust transfer amount, and Energy Commission Surcharges
9. The Baseline Credit will be included in the Total Energy Rate for quantities up to and including Baseline Quantities.

For all rate classifications:

Late Charge

1% on any amount 45 days in arrears from previous billings

Minimum Charge

The per meter, per month Customer Charge

(Continued)

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**RATES**(Continued)

Non-residential, where Schedule A-2 would be Customer's OAS:

As set forth in Special Condition 7 of the Utility's Schedule A-3, TOU rates are available to Schedule A-2 Customers on an optional basis and will apply to Energy Co-Metering Customers whose OAS is Schedule A-2. In addition to the OAS Customer Charge of \$100.00 listed in Schedule A-2, a meter charge of \$6.20 will be billed monthly.

Non-residential, where Schedule A-3 would be the Customer's OAS:

Rates in the Customer's OAS shall apply.

1. Power Factor Charge. The power factor charge, when it applies on the otherwise-applicable-rate schedule, will be based on the average power factor over the past 12 billing months of operation prior to starting on this rate schedule. Eligible Customer-generators without 12 billing months of power factor history, will have their power factor estimated based on the type of the connected facilities and their hours of operation. Power factor charge will be applied to the Customer-Generators bill until the Customer-Generator demonstrates to the Utility's satisfaction that specified correction had been provided. The Utility will continue to monitor and review the power factor and if warranted, change the power factor correction charge on the Customer-Generator's bills.

Non-residential, where Schedule A-3 would be the Customer's OAS: (Continued)

2. Exemption from Certain Charges. Customer-Generators under this Schedule NEM are exempt from any new or additional charges not included in their OAS. Customer-Generators under this schedule are exempt from standby charges, if any.

**SPECIAL CONDITIONS**

1. Metering:
  - A. Net Energy Metering. The following applies to Customer Generators using a solar generating facility or wind generating facilities at or below 50 kilowatts or solar/wind hybrid generating facilities where the wind generator capacity is at or below 50 kilowatts:
    - (1) Single Meter. Net energy metering shall be accomplished using a single meter capable of registering the flow of electricity in two directions. If the eligible Customer-Generator's existing electrical meter is not capable of measuring the flow of electricity in two directions, the eligible Customer-Generator shall be responsible for all expenses involved in purchasing and installing a meter that is able to measure electricity flow in two directions.

**(Continued)**

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**SPECIAL CONDITIONS** (Continued)

1. Metering: (Continued)

- (2) Dual Meter. An additional meter or meters, installed in a dual meter socket ("dual metering"), to monitor the flow of electricity in each direction may be installed with the consent of the Eligible Customer-Generator, at the expense of the Utility, and the dual metering shall be used only to provide the information necessary to accurately bill or credit the customer according to the Customer-Generator's OAS or to collect generating facility performance information for research purposes. The Utility shall determine whether dual metering is required under this provision. If dual metering is installed, the Net energy metering calculation shall yield a result identical to that of a single meter capable of measuring the flow of electricity in two directions.
- (3) The Utility shall not require dual metering except where necessary for billing accuracy. If none of the normal metering options available at the Utility's disposal which are necessary to render accurate billing are acceptable to the Eligible Customer-Generator, the Utility shall have the right to refuse interconnection under this schedule.

B. Co-energy Metering. The following applies to Customer-Generators using 1) a wind generating facility with a rating of over 50 kilowatts but not exceeding 1,000 kilowatts or a solar/wind hybrid generating facility with a wind generator capacity of over 50 kilowatts in aggregate; 2) an Eligible Biogas Digester Generating Facility; or 3) an Eligible Fuel Cell Generating Facility:

- (1) Co-energy Metering shall be accomplished using a TOU meter capable of separately registering the flow of electricity in two directions. If the Customer-Generator's existing meter is not capable of separately measuring the flow of electricity in two directions, the Customer-Generator shall be responsible for all expenses involved in purchasing below. If an eligible customer-generator terminates service under this rate schedule, or experiences a change in electric service provider prior to the end of any 12-month period, the Utility shall reconcile the customer's consumption and production of electricity and bill the customer as described below, as if it were the end of the normal 12-month period and installing a meter that is able to separately measure electricity flow in two directions. If dual metering is installed, the Co-energy metering calculation shall yield a result identical to that of a single meter capable of separately measuring the flow of electricity in two directions.
- (2) If none of the normal metering options at the Utility's disposal that are necessary to render accurate billing are acceptable to the Customer-Generator, the Utility shall have the have the right to refuse interconnection under this Schedule NEM.

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**SPECIAL CONDITIONS** (Continued)

- 1. Metering: (Continued)
  - B. Co-energy Metering.
    - (3) All TOU metered service account(s) serving dairy operations that are located on property adjacent, or contiguous, to the Eligible Biogas Digester electrical generating facility, including, but not limited to accounts associated with the milking operations, milk refrigeration, or water pumping of the eligible Biogas Digester dairy operation are eligible for aggregation under Special Condition 2 C (1). All such accounts must be under the same ownership and in the Biogas Customer-Generator's name.
- 2. Billing:
  - A. Billing for Eligible Customer-Generators Using Net Energy Metering. The following applies to Customer Generators using a solar generating facility or wind generating facility at or below 50 kilowatts or solar/wind hybrid generating facility where the wind generator capacity is at or below 50 kilowatts:
    - (1) Net energy is defined as the difference between the electricity supplied by the Utility through the electric grid to the Eligible Customer-Generator and electricity generated by an Eligible Customer Generator and fed back into the electric grid over a 12-month period that commences with the annual anniversary of final interconnection ("Relevant Period").
    - (2) At the end of each Relevant Period, the Eligible Customer-Generator shall be billed for net energy consumed during that period at the Eligible Customer-Generator's OAS. If an Eligible Customer-Generator terminates service under this rate Schedule NEM, or experiences a change in electric service provider prior to the end of any Relevant Period, the Utility shall reconcile the Customer's consumption and production of electricity and bill the Customer as if it were the end of the normal Relevant Period.
    - (3) In the event the energy generated exceeds the energy consumed during the Relevant Period, based on the Eligible Customer-Generator's OAS, no payment shall be made for the excess energy delivered to the Utility's grid and the new period commences with no credit. If the Utility is the electric service provider, this condition may be modified where the Customer has signed a contract to sell electricity to the Utility.
    - (4) In the event that the electricity supplied by the Utility during the Relevant Period exceeds the electricity generated by the Eligible Customer-Generator during the same period, the Eligible Customer-Generator is a net electricity consumer and the Utility shall bill the Eligible Customer-Generator for the net consumption during the Relevant Period based on the Eligible Customer-Generator's OAS.

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**SPECIAL CONDITIONS** (Continued)

2. Billing: (Continued)

A. Billing for Eligible Customer-Generators Using Net Energy Metering. (Continued)

(5) Baseline Rates. For Eligible Customer-Generators taking service on OAS baseline rate, any net consumption or production shall be valued monthly as follows:

(a) If the Eligible Customer-Generator is a net consumer, the Eligible Customer-Generator will be billed in accordance with the Eligible Customer-Generator's OAS or as stated above. The baseline quantity will be prorated monthly as to the amount of net consumption in each TOU period.

(b) If the Eligible Customer-Generator is a net generator, the net kWh generated shall be valued at the rate for the kWh up to the baseline quantity, with any excess kWh generated, valued at the rate for the appropriate baseline quantity in which the equivalent kWh of consumption would fall. The baseline quantity will be prorated monthly as to the amount of net consumption in each TOU period.

(6) Annual and Monthly Billing. If the Utility supplies the Eligible Customer-Generator with electricity, the Utility shall provide the Eligible Customer-Generator 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. Eligible residential and small commercial Customer-Generators may elect to pay either monthly or annually for the net energy consumed. For all other commercial, industrial, and agricultural 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 and appear as a credit on the Customer-Generator's account, until the end of the Relevant Period.

B. Billing for Eligible Wind Energy and Fuel Cell Customer-Generators Using Co-Energy Metering. The following applies to Customer-Generators using a wind generating facility above 50 kilowatts or a solar/wind hybrid generating facility, where the wind generator capacity is above 50 kilowatts, or a Fuel Cell generating facility:

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**SPECIAL CONDITIONS** (Continued)

2. Billing:

B. Billing for Eligible Wind Energy and Fuel Cell Customer-Generators Using Co-Energy Metering. (Continued)

(1) The generation of electricity provided to the Utility by a wind Energy or Fuel Cell Co-Metering Customer –Generator shall result in a credit to the Eligible Customer-Generator valued in accordance with the generation component of Schedule A-3 or above TOU schedule, as applicable . All electricity supplied to the Wind Energy or Fuel Cell Co-Metering Customer-Generator by the Utility shall be priced in accordance with either Schedule A-3 or the above TOU rates, as applicable.

(2) Time of Use Rates. For Eligible Customer-Generators taking service on OAS TOU, any net consumption or production shall be valued monthly as follows:

(a) If the Eligible Customer-Generator is a net consumer during any discrete time-of-use period, the net kWh consumed shall be billed in accordance with that same TOU period in the Eligible Customer-Generator's OAS.

(b) If the Eligible Customer-Generator is a net generator during any discrete TOU period, the net kWh produced shall be valued at the same rate per kWh of the same TOU period in the Eligible Customer Generator's OAS.

(c) To calculate the maximum generation credit for a Wind or Fuel Cell Energy Co-Metering producer, the Utility will, at the end of each Relevant Period, determine the average credit for energy based on the following equation:

Average Credit (\$/kWh) =

Total Credit (\$) calculated for the Relevant Period

Total energy fed back to the Utility (kWh) during the Relevant Period

Then the Maximum Credit (\$) =

Average Credit (\$/kWh) × Total energy (kWh) the Utility supplied during the Relevant Period

Any credit for excess energy (kWh) over this maximum will be retained by the Utility and the Wind or Fuel Cell Energy Co-Metering producer will not be owed any compensation for this excess energy.

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**SPECIAL CONDITIONS** (Continued)

2. Billing:

B. Billing for Eligible Wind Energy and Fuel Cell Customer-Generators Using Co-Energy Metering. (Continued)

(3) The Utility shall provide the Wind or Fuel Cell Customer- Generator with gross energy (kWh) consumption and net energy (kWh) consumed/produced information with each monthly billing statement.

C. Billing for Eligible Biogas Digester Customer-Generators. Biogas Customer-Generators will be billed monthly for all charges other than Generation Rate Component charges on all eligible metered service accounts. The following applies to Customer Generators using a Biogas Digester generating facility:

(1) The Utility will complete an annual reconciliation for the Relevant Period by totaling all the electricity (kWh) supplied by the Utility to the Eligible Biogas Digester Customer-Generator and all the electricity (kWh) fed back to the Utility's Distribution System by the Biogas Digester Customer-Generator during the Relevant Period. If the total electricity supplied by the Utility is greater than the total of electricity fed back to the Utility's Distribution System, then the Eligible Biogas Digester Customer-Generator is a "Net Consumer". Otherwise, the Biogas Digester Customer-Generator is a "Net Producer". As part of the Annual Reconciliation, Net Consumers and Net Producers will receive a bill for energy usage that totals 1) all generation charges; 2) all Eligible Generation Credits; and 3) all other charges, due in that billing cycle.

(2) The eligible generation credit for a Net Producer will be calculated using the method described in Special Condition 2.B. (2)(c).

(3) The Utility shall provide the Biogas Digester Customer-Generator with gross energy (kWh) consumption and net energy (kWh) consumed/produced information with each monthly billing statement.

(4) Schedule A-3 or above TOU schedules, as applicable, will be used to value the credit for electricity produced. For purposes of determining whether the dairy Biogas Customer-Generator was a net consumer of electricity or a net producer of electricity, the Utility shall aggregate the load of metered TOU service accounts that meet the requirements of Special Condition 1.B.(3) In the case of a dairy Biogas Digester operation, each of the aggregated Service Accounts will be billed for Generation Rate Component charges, based on the OAS for that particular Service Account, at the end of the Relevant Period, or sooner if the account closes or is no longer a qualifying account eligible for load aggregation.

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**SCHEDULE NO. NEM**  
**NET METERING SERVICE**  
**(Continued)**

**SPECIAL CONDITIONS** (Continued)

3. Interconnection: The following applies to interconnection of Net or Co-energy Metering generating facilities:
- A. Net Energy Metering generating facilities used by a Customer shall include, at the Customer's own expense, all equipment necessary to meet applicable safety, power quality, and interconnection requirements established by the National Electrical Code, National Electrical Safety Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories, and where applicable, rules of the CPUC regarding safety and reliability. A customer-generator whose solar or wind turbine electrical generating facility, or a hybrid facility of both, meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.
  - B. The Utility's written approval of the 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 NEM.
  - C. 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.
  - D. 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.
  - E. 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 Eligible Customer Generator and the electric inspection clearance from the governmental authority having jurisdiction. The Utility shall notify the Commission if it can not interconnect within such period.

4. **Time of Use Periods.** Where daily time periods are not defined in the Eligible Customer's OAS, TOU time periods are as follows:

Winter Periods (Oct - May)	On-Peak Off-Peak	5:01 p.m. to 10:00 p.m. daily All Other Hours
Summer Periods (June - Sept)	On Peak Off-Peak	10:01 a.m. to 10:00 p.m. daily All Other Hours

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