
May 21, 2001

ADVICE 1544-E
(U 338-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
ENERGY DIVISION

SUBJECT: Revision to Schedule NEM, Net Energy Metering

In compliance with the Administrative Law Judge's (ALJ) Ruling on Implementation of Assembly Bill (AB) X1 29,¹ Southern California Edison Company (SCE) hereby submits for filing the following changes to its tariff schedules. The revised tariff sheets are listed on Attachment A and are attached hereto.

PURPOSE

This advice filing revises SCE's Schedule NEM, Net Energy Metering, in accordance with the ALJ Ruling on Implementation of AB X1 29.

BACKGROUND

Current law under Public Utilities (PU) Code Section 2827 requires electric service providers to develop a standard contract or tariff for Net Energy Metering (NEM) and to make this contract available to eligible customer-generators. An eligible customer-generator is defined as "a residential customer, or a small commercial customer as defined in subdivision (h) of Section 331, of an electric service provider, who uses solar or a wind turbine electrical generating facility, or a hybrid system of both, with a capacity of not more than 10 kilowatts that is located on the customer's premises, is interconnected and operates in parallel with the electric grid, and is intended primarily to offset part or all of the customer's own electrical requirements."

¹ Signed by Governor Gray Davis on April 11, 2001.

Currently, Schedule NEM is not applicable to Direct Access (DA) customers where the customer's energy supplier does not offer NEM. Customers eligible for service under Schedule NEM are exempt from: (1) any new or additional charges outside of their Otherwise Applicable Tariff (OAT); (2) taking service under Schedule S; and (3) paying the Competition Transition Charge (CTC) for Departing Load served by the electricity generated by the customer's generator.

AB X1 29 establishes the following changes to Schedule NEM by amending PU Code Section 2827 as follows: (1) eligible customer-generator means residential, small commercial, commercial, industrial, or agricultural customer with a generating capacity of not more than one megawatt; (2) Schedule NEM is not applicable to Direct Access Customers where the customer's energy supplier does not provide distribution service for the direct transactions; (3) for all commercial, industrial, and agricultural customer-generators the net balance of moneys owed shall be paid monthly, for residential and small commercial customer-generators the net balance of moneys owed shall be carried forward until the end of the relevant period; (4) defines applicable safety and performance standards for eligible customer-generator electrical generating systems; (5) these amendments to PU Code Section 2827 will be repealed on January 1, 2003.

AB X1 29 also establishes PU Code Sections 2827.5 and 2827.7 restricting new participation in NEM to Residential and Small Commercial customers with a maximum generating capacity of not more than 10 kW beginning January 1, 2003.

No cost information is required for this advice filing.

This advice filing will not increase any rate or charge, cause the withdrawal of service, or conflict with any other schedule or rule.

EFFECTIVE DATE

This advice filing is made in compliance with the ALJ Ruling on Implementation of AB X1 29 and will become effective on the 40th calendar day after the date filed, which is June 30, 2001.

NOTICE

Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received by the Energy Division and SCE no later than 20 days after the date of this advice filing. Protests should be mailed to:

IMC Program Manager
Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4002
San Francisco, California 94102
Facsimile: (415) 703-2200
E-mail: jjr@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address above).

In addition, protests and all other correspondence regarding this advice letter should also be sent by letter and transmitted via facsimile or electronically to the attention of:

Akbar Jazayeri
Director of Revenue and Tariffs
Southern California Edison Company
2244 Walnut Grove Avenue, Rm. 303
Rosemead, California 91770
Facsimile: (626) 302-4829
E-mail: lawlerem@SCE.com

Bruce Foster
Vice President of Regulatory Operations
Southern California Edison Company
601 Van Ness Avenue, Suite 2040
San Francisco, California 94102
Facsimile: (415) 673-1116
E-mail: fosterbc@sce.com

There are no restrictions on who may file a protest, but the protest shall set forth specifically the grounds upon which it is based and shall be submitted expeditiously.

In accordance with Section III, Paragraph G, of General Order No. 96-A, SCE is mailing copies of this advice filing to the interested parties shown on the attached service list and R.99-10-025. Address change requests to the attached GO 96-A Service List should be directed to Emelyn Lawler at (626) 302-3985 (E-mail: Emelyn.Lawler@sce.com).

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by filing and keeping the advice filing open for public inspection at SCE's corporate headquarters.

For questions, please contact George Coutts at (626) 302-6568 or by electronic mail at George.Coutts@SCE.com.

Southern California Edison Company

Akbar Jazayeri

AJ:gc/pf/eml
Enclosures

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 29183-E Revised 29184-E	Schedule NEM Schedule NEM	Revised 27907-E Revised 27907-E Revised 27908-E Revised 27908-E
Original 29185-E	Schedule NEM	
Revised 29186-E Revised 29187-E	Table of Contents Table of Contents	Revised 28354-E Revised 28360-E



Southern California Edison
Rosemead, California

Revised Cal. PUC Sheet No. 29183-E
Cancelling Revised Cal. PUC Sheet No. 27907-E

Schedule NEM
NET ENERGY METERING

Sheet 1

APPLICABILITY

Applicable to Eligible Customer-Generators as defined herein below pursuant to Public Utilities Code Section 2827, with a generating capacity up to 1,000 kW. This Schedule is not applicable to Direct Access Customers where the customer's energy supplier does not provide distribution services. Customers eligible for service under this schedule are exempt from (1) any new or additional charges not included in their Otherwise Applicable Tariff (OAT), (2) taking service under Schedule S, and (3) paying the Competition Transition Charge (CTC) for their Departing Load served by the electricity generated by the customer's generator. Pursuant to Public Utilities Code Sections 2827.5 and 2827.7, this Schedule will be closed on January 1, 2003 to all Commercial, Industrial and Agricultural customers, and all Residential and Small Commercial customers with a generating capacity greater than 10 kW, not already served under this Schedule. (C)

TERRITORY

Within the entire territory served.

RATES

Charges for Net Energy supplied and/or delivered to the customer shall be billed in accordance with the customer's OAT. Any net generation will be calculated in the same manner as Net Energy supplied, but rather than show as a charge, will appear as a credit on the customer-generator's account. For Residential and Small Commercial Customers (as defined in SCE's Rule 1), the net balance of moneys owed to SCE for net consumption of electricity or credits owed to the customer-generator for net generation of electricity shall be carried forward until the end of the Relevant Period. For all other customer-generators, the net balance of moneys owed shall be billed and payable each monthly billing cycle, except if such customer-generator is a net electricity producer over a billing cycle, any excess kilowatthours generated during the billing cycle shall be carried over to the following billing period, valued in accordance with the customer-generator's OAT and appear as a credit on the customer-generator's account. At the end of the Relevant Period Special Condition 3.b shall apply to any remaining kilowatthours/credits for all customers on this Schedule. Monthly Customer Charges, Minimum Charges, Demand Charges, and/or other non-energy related charges, excluding any adjustments due to power factor provisions or rebates offered under the State of California's 20/20 Program, as defined on the customer's OAT shall apply, when applicable, regardless of the customer's monthly net generation. (C)

(L)

(Continued)

(To be inserted by utility)

Advice 1544-E

Decision _____

Issued by

John R. Fielder

Senior Vice President

(To be inserted by Cal. PUC)

Date Filed May 21, 2001

Effective _____

Resolution _____

Schedule NEM
NET ENERGY METERING

Sheet 2

(Continued)

SPECIAL CONDITIONS

- | | |
|--|---------------|
| | (T) |
| 1. Required Contract: A Net Energy Metering and Interconnection Agreement is required for service under this schedule. | (L) |
| 2. Metering: | |
| a. Net Energy shall be measured (metered) using a single meter capable of registering the flow of electricity in two directions. If the customer's existing meter is not capable of measuring the flow of electricity in two directions, an appropriate meter shall be provided at the expense of the customer. SCE may elect to install an additional meter or meters, at SCE's expense, with the customer's consent. Such additional metering shall be used only to provide the information necessary to accurately bill or credit the customer. | (L) |
| b. If SCE determines that dual metering is required for the purposes set forth herein, and the eligible customer-generator refuses consent for installation of dual metering, SCE shall have the right to refuse interconnection. | (N)
(N) |
| c. Where SCE provides distribution services (metering and billing) for direct access customers, the Energy Service Provider (ESP) of the customer shall be charged the applicable charges as set forth in Schedule ESP-DSF for such services. | (L)(T)
(L) |
| 3. Billing: At the end of each Relevant Period following the Date of Final Interconnection of the customer's generator to SCE's electric system, SCE shall determine if the customer's Net Energy, as defined below, is positive or negative, as set forth in Definition 4.c below, and shall proceed as follows: | (T)
(T) |
| a. Where Net Energy is determined to be positive, SCE shall bill the eligible customer-generator for the customer's net consumption over the Relevant Period. The bill shall be due and payable in accordance with Rule 9. | (T)
(T) |
| b. Where Net Energy is determined to be negative, SCE shall retain all excess kilowatthours generated and/or credits accrued during the Relevant Period. The eligible customer-generator shall not be owed any compensation by SCE. | (C)
(C) |
| c. SCE shall provide the customer with Net Energy consumption information or Net Energy generation information on each monthly bill. Such monthly update shall include the current accrued balance owed to SCE for positive Net Energy charges or current accrued credits for Net Energy generation, which ever applies. | (C)
(C) |
| d. For Residential and Small Commercial Customers SCE shall, upon a customer request, permit the customer to pay monthly for positive Net Energy charges. Such request must be made by the customer upon initiation of service under this Schedule or upon written notice to SCE no later than thirty (30) days prior to the end of any twelve-month period. Such change shall only be made by SCE at the beginning of a twelve-month period. | (T) |

(Continued)

(To be inserted by utility)

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John R. Fielder
Senior Vice President

(To be inserted by Cal. PUC)

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Schedule NEM
NET ENERGY METERING

Sheet 3

(Continued)

SPECIAL CONDITIONS

- | | | |
|----|---|---------------------------------------|
| 3. | Billing: | (L) |
| | e. If a customer terminates service under this Schedule prior to the end of the Relevant Period, SCE shall reconcile the customer's consumption and production of electricity and bill the customer for positive Net Energy charges, if any. | (T)
(T) |
| 4. | Definitions: The following definitions are applicable to service provided under this Schedule. | |
| a. | Eligible Customer-Generator: A Residential, Small Commercial (as defined in SCE's Rule 1), Commercial, Industrial, or Agricultural Customer who uses a solar or wind turbine electrical generating facility, or a hybrid system of both, without the support of fossil fuel or other non-wind or non-solar energy source, with a capacity of not more than 1,000 kW, that is the sole source of generation located on the eligible customer's premises, that is interconnected and operates in parallel with SCE's electric system, and that is intended primarily to offset part or all of the customer's own electrical requirements. | (C)

(C)

(L) |
| b. | Qualified Electrical Generating System: A solar or wind turbine electrical generating system, or a hybrid system of both, used by an eligible customer-generator shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Public Utilities Commission regarding safety and reliability. A customer-generator whose solar or wind turbine electrical generating system, or a hybrid system 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. | (N)

(N) |
| c. | Date of Final Interconnection: The date SCE provides the Customer with SCE's written approval to commence parallel operation of the Generating Facility. | (L) (T) |
| d. | Net Energy: The difference between the electricity supplied and/or delivered through SCE, and the electricity generated by the customer and fed back into SCE's electric system, measured over the Relevant Period. Thus, where E_S is energy supplied and/or delivered by SCE, and E_F is energy generated by the customer and fed back into SCE's system:

$\text{Net Energy} = E_S \text{ minus } E_F$ | (T)

(T) |
| e. | Otherwise Applicable Tariff: The Customer's regularly filed rate schedule under which service is rendered. | (T) |
| f. | Relevant Period: A twelve-month period, or portion thereof, commencing on the anniversary Date of Final Interconnection of the customer's generator to SCE's electric system. | (T)
(L) |

(Continued)

(To be inserted by utility)

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Senior Vice President

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Southern California Edison
Rosemead, California

Revised Cal. PUC Sheet No. 29186-E
Cancelling Revised Cal. PUC Sheet No. 28354-E

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