

February 28, 2002

Advice 2118-E-C
(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Revision to Electric Rate Schedule E-NET- Net Metering Service

Pacific Gas and Electric Company (PG&E) hereby submit a third supplemental filing for revisions to its electric tariffs. The affected tariff sheets are listed on the enclosed Attachment I.¹

Purpose

To comply with Resolution E-3758, PG&E is submitting revisions to electric Rate Schedule E-NET, *Net Metering Service*. These revisions specifically address language modifications on dual metering and direct access customer eligibility covered in the Resolution.

Background

On February 7, 2002, the Commission approved Advice 2118-E, 2118-E-A, and 2118-E-B, *Revisions Electric Rate Schedule E-NET, Net Metering Services and Revisions to Electric Rule 21 – Generating Facility Interconnections*, with an effective date of April 11, 2001, as requested and in compliance with Assembly Bill X1 29.

Tariff Revisions

In Resolution E-3758, the Commission stated under the Order, that “PG&E shall clarify that eligible customer-generators taking service under Direct Access may

¹ PG&E reserves all legal rights to challenge the decisions or statutes under which it has been required to make this advice filing, and nothing in this advice filing constitutes a waiver of such rights. Also, PG&E reserves any additional legal rights to challenge the requirement to make this advice filing by reason of its status as a debtor under Chapter 11 of the Bankruptcy Code, and nothing in this advice filing constitutes a waiver of such rights.

participate in net metering.” PG&E is submitting revisions to its electric Rate Schedule E-NET, to include language clarifying direct access customer participation.

PG&E states that if a customer-owned generator, who has an electric service provider, who does not provide distribution service for the direct transactions, the electric provider, not PG&E, is responsible to provide net metering to the customer.

In addition, in compliance with Resolution E-3758, PG&E shall not require dual metering, except when necessary for billing accuracy.

With these changes, PG&E feels that it is in compliance with the resolution (E-3758) and can proceed to provide net metering services.

Protests

Anyone wishing to protest this filing may do so in writing, sent via U.S. mail or facsimile, by **March 20, 2002**, which is within 20 days of the date of this filing. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. Protests should be mailed to:

IMC Branch Chief
Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4002
San Francisco, California 94102
Facsimile: (415) 703-2200

Copies should also be mailed to the attention of the Director, Energy Division, Room 4005 and Jerry Royer, Energy Division, at the address shown above. It is also requested that a copy of the protest be sent via postal mail and facsimile to Pacific Gas and Electric Company on the same date it is mailed or delivered to the Commission at the address shown below.

Pacific Gas and Electric Company
Attention: Les Guliasi
Director, Regulatory Relations
77 Beale Street, Mailcode B10C
P.O. Box 770000
San Francisco, California 94177
Facsimile: (415) 973-7226

Effective Date

PG&E requests that this advice filing become effective **April 11, 2001**, which is the effective date of Resolution E-3758.

Notice

In accordance with General Order 96-A, Section III, Paragraph G, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list, and the service list parties for R. 99-10-025. Address changes should be directed to Nelia Avendano at (415) 973-3529. Advice letter filings can also be accessed electronically at:

http://www.pge.com/customer_services/business/tariffs/

Vice President - Regulatory Relations

Attachments

cc: Service List – R. 99-10-025



SCHEDULE E-NET—NET ENERGY METERING SERVICE

APPLICABILITY: This net-metering schedule is applicable to a residential, small commercial customer (as defined in subdivision (h) of Section 331 of the California Public Utilities Code), commercial, industrial, or agricultural customer who uses a solar or wind turbine electrical generating facility, or a hybrid system of both, with a capacity of not more than 1,000 kilowatts that is located on the customer's owned, leased, or rented premises, is interconnected and operates in parallel with PG&E's transmission and distribution facilities, and is intended primarily to offset part or all of the customer's own electrical requirements (hereinafter "eligible customer-generator" or "customer"). Certain incremental billing and metering costs set forth in this schedule that are related to net energy metering are applicable to Energy Service Providers (ESPs) serving eligible customer-generators. (T)

This service is not applicable to a Direct Access (DA) customer where the customer's ESP does not offer a net energy metering tariff. In addition, if an eligible customer-generator participates in direct transactions with an electric provider that does not provide distribution service for the direct transactions, the electric provider, and not PG&E, is obligated to provide net energy metering to the customer. (T)
(N)

After December 31, 2002, this rate schedule will be closed to new customers except for new residential and small commercial customer-generator with a system capacity of 10 kilowatts or less. (N)

TERRITORY: The entire territory served.

RATES: All rates charged under this schedule will be in accordance with the eligible customer-generator's otherwise-applicable metered rate schedule. An eligible customer-generator served under this schedule is responsible for all charges from its otherwise-applicable rate schedule including monthly minimum charges, customer charges, meter charges, facilities charges, demand charges and surcharges. The "Peak Rate Limiter" and "Average Rate Limiter" for general service otherwise-applicable-rate schedules, the "Demand Charge Limiter" for agricultural otherwise-applicable-rate schedules and all other demand charges will be based on the demand in kilowatts as measured only on the energy being consumed by the customer from PG&E. The power factor, 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 E-NET. Customer-generators without 12 billing months of power factor history, will have their power factor estimated based on the nature of the connected facilities and their hours of operation. Power factor will be subsequently applied to the customer-generators bill until the customer-generator demonstrates to PG&E's satisfaction that adequate correction had been provided. PG&E will continue to monitor and review the power factor and if warranted, change the power factor correction on the customer-generator's bills. Charges for electricity supplied by PG&E will be based on the net metered usage in accordance with Net Energy Metering and Billing (Special Condition 2, below). (T)
(N)

Customer-generators eligible for service under this schedule are exempt from the requirements of Schedule S—Standby Service.

Except as allowed in their otherwise-applicable rate schedule, the eligible customer-generators are exempt from paying Competitive Transition Charges (CTC) and other non-bypassable charges for their departing load served by the electricity generated by the customer's generator.

(Continued)



SCHEDULE E-NET—NET ENERGY METERING SERVICE
(Continued)

SPECIAL
CONDITIONS:

1. METERING EQUIPMENT: 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. 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 PG&E, and the dual metering shall be used only to provide the information necessary to accurately bill or credit the customer according to the utility's otherwise applicable tariff or to collect solar or wind, or a hybrid system of both, electric generating system performance information for research purposes. PG&E shall determine whether dual metering is required under this provision. If dual metering is installed, the net energy metering calculation (see below) shall yield a result identical to that of a single meter capable of measuring the flow of electricity in two directions. (L)

PG&E shall not require dual metering except where necessary for billing accuracy. If none of the normal metering options available at PG&E's disposal which are necessary to render accurate billing are acceptable to the customer-generator, PG&E shall have the right to refuse interconnection. (T)
(L) (T)

2. NET ENERGY METERING AND BILLING: Net energy is defined as measuring the difference between the electricity supplied by PG&E 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. At the end of each 12-month period following the date the customer-generator was first eligible for Schedule E-NET, or the date of final interconnection, whichever is later, and at each anniversary date thereafter, the eligible customer-generator shall be billed for electricity used during that period. If an eligible customer-generator shall be billed for electricity used during that period. 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, PG&E 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. (T)

In the event the energy generated exceeds the energy consumed during the 12-month period, based on the eligible customer-generator's otherwise-applicable rate schedule as set forth below, no payment shall be made for the excess energy delivered to PG&E's grid. If PG&E is the electric service provider, this condition may be modified where the customer has signed a contract to sell electricity to PG&E.

In the event that the electricity supplied by PG&E during the 12-month period exceeds the electricity generated by the eligible customer-generator during the same period, the eligible customer-generator is a net electricity consumer and PG&E shall bill the eligible customer-generator for the net consumption during the 12-month period based on the eligible customer-generator's otherwise-applicable rate schedule, as set forth below. (L)

(Continued)



TABLE OF CONTENTS
(Continued)

RATE SCHEDULES

SCHEDULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
LIGHTING RATES		
LS-1	PG&E-Owned Street and Highway Lighting	15393,17730,15395,15396,17111-E
LS-2	Customer-Owned Street and Highway Lighting	15398,17731,15400 to 15403,17112-E
LS-3	Customer-Owned Street and Highway Lighting Electrolier Meter Rate	17732,15406,15407,17113-E
TC-1	Traffic Control Service.....	17733,15410,17114-E
OL-1	Outdoor Area Lighting Service	17734,15413,15414,17115-E
OTHER		
S	Standby Service	17735,17736,17737,15419,16200,15421,16201,16202,15424,15425,16203,16204,16205,16206,16495-E
E-DEPART	Departing Customers	15905-E
E-EXEMPT	Competition Transition Charge Exemption	16068,17116,16070 to 16073-E
E-TD	Transmission and Distribution Bypass Deferral Rate.....	15694 to 15696,16496-E
E-TDI	Incremental Sales Rate for New Customers	15698,15699,16497-E
E-RRB	Rate Reduction Bonds Bill Credit and Fixed Transition Amount Charge	14798,14799-E
E-NET	Net Energy Metering Service	18711,18712,18313,18314-E
E-BID	Price-Responsive Load Program	17333 to 17335-E
E-EPS	Emergency Procurement Surcharge.....	17863-E
AGRICULTURAL RATES		
AG-1	Agricultural Power	17738,15446 to 15449,17117,17118,17119,17120-E
AG-R	Split-Week Time-of-Use Agricultural Power	17121,17739,15456,15457,15458,15459,16499,17122,17123,17124,17125-E
AG-V	Short-Peak Time-of-Use Agricultural Power	17126,17740,15467,15468,15469,15470,16500,17127,17128,17129,17130-E
AG-4	Time-of-Use Agricultural Power	17131,17741,17742,15479 to 15483,16501,17132,17133,17134,17135-E
AG-5	Large Time-of-Use Agricultural Power	17136,17743,17744,15492 to 15496,16502,17137,17138,17139,17140-E
AG-6	Large Agricultural Power.....	15502,17745,15504,15505,15506,17141-E
AG-7	Experimental Tiered Time-of-Use Agricultural Power	15701,17229,17746,17747,15705,15706,15707,15708,17142-E
AG-8	Deferral of Gas and Diesel Engine-Driven Pumping Facilities.....	15710,15711,16504-E
POWER EXCHANGE RATES		
PX	Power Exchange Energy Cost	17015,17844,17845,16744,16745,15521,15522-E
DIRECT ACCESS		
E-CREDIT	Revenue Cycle Services Credits.....	16567 to 16578-E
E-DASR	Direct Access Services Request Fees	14847-E
E-ESP	Service to Energy Service Providers.....	16109,15828,15829,15830,16221-E
E-ESPNSF	Energy Service Provider Non-Discretionary Service Fee.....	16535,16536-E
E-EUS	End User Services	14852,14853,14854-E

(T)

(Continued)



TABLE OF CONTENTS

		<u>CAL P.U.C. SHEET NO.</u>	
Title Page		8285-E	
Table of Contents:			
Rate Schedules		18714,18713-E	(T)
Preliminary Statements		17143,18062-E	
Rules, Maps, Contracts and Deviations		18320-E	
Sample Forms		18319,17251,16094,16546,18061,17337,16759-E	

RATE SCHEDULES

<u>SCHEDULE</u>	<u>TITLE OF SHEET</u>	<u>CAL P.U.C. SHEET NO.</u>
RESIDENTIAL RATES		
E-1	Residential Service	17754,15237,17051-E
EE	Service to Company Employees	15239-E
EM	Master-Metered Multifamily Service	17755,15241,15242,17053-E
ES	Multifamily Service	17756,15245,15246,17055-E
ESR	Residential RV Park and Residential Marina Service	17757,15249,15250,17057-E
ET	Mobilehome Park Service	17758,15253,15254,17059-E
E-7	Residential Time-of-Use Service	17060,17759,15257,17061-E
E-A7	Experimental Residential Alternate Peak Time-of-Use Service	17062,17760,15260,17063-E
E-8	Residential Seasonal Service Option	17761,17065-E
E-9	Experimental Residential Time-of-Use Service for Low Emission Vehicle Customers	17066,17762,17763,15267,15268,17067-E
EL-1	Residential CARE Program Service	17764,15274,17069-E
EML	Master-Metered Multifamily CARE Program Service	17765,15277,17071-E
ESL	Multifamily CARE Program Service	17766,15280,15281,17073-E
ESRL	Residential RV Park and Residential Marina CARE Program Service	17767,15284,15285,17075-E
ETL	Mobilehome Park CARE Program Service	17768,15289,15290,17077-E
EL-7	Residential CARE Program Time-of-Use Service	17078,17769,15293,17079-E
EL-A7	Experimental Residential CARE Program Alternate Peak Time-of-Use Service.....	17080,17770,15296,17081-E
EL-8	Residential Seasonal CARE Program Service Option	17771,17083-E
COMMERCIAL/INDUSTRIAL		
A-1	Small General Service	17772,17085-E
A-6	Small General Time-of-Use Service.....	17086,17773,16481,17087-E
A-10	Medium General Demand-Metered Service.....	17774,15307,15308,16482,17089-E
A-T	Nondomestic Interruptible Service	11862-E
A-RTP	Experimental Real-Time-Pricing Service	17253,16483-E
A-15	Direct-Current General Service	17712,17090-E
E-19	Medium General Demand-Metered Time-of-Use Service	17091,17092,17093, 17775,17776,17777,15321,15322,15323,18037,18038,18039,18040,18041,15328,16414, 15330,17716,17717,17718,16416,16417,16418,16419,16420,16485,17094,17095,18042-E
E-20	Service to Customers with Maximum Demands of 1,000 Kilowatts or More	17097,17254,17719, 17720,17721,15348,15349,15350,15351,18043,18044,18045,18046,16430,15358, 17722,17723,17724,16432,16433,16434,16435,16436,16486,17099,17100,17101,18047-E
E-25	Restricted Variable-Peak-Period Time-of-Use Service to Water Agencies	17103,17725,17726,17727,15376 to 15379,17104-E
E-36	Small General Service to Oil and Gas Extraction Customers	17728,17106-E
E-37	Medium General Demand-Metered Time-of-Use Service to Oil and Gas Extraction Customers	17107,17108,17729,15690,15691,15692,17109-E
ED	Experimental Economic Development Rate	16881,17110-E
E-CARE	CARE Program Service for Qualified Nonprofit Group-Living and Qualified Agricultural Employee Housing Facilities	15392-E

(Continued)