

April 26, 2000

ADVICE 1934-E-A

Public Utilities Commission of the State of California:

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

The purpose of this filing is to supplement Advice 1934-E in compliance with Resolution E-3650, dated April 6, 2000. Advice 1934-E proposed a limited duration price-responsive load program (Schedule E-BID).

Resolution E-3650 approved the proposed Schedule E-BID program, subject to the modifications listed in Ordering Paragraph 3. In order to comply with those modifications, PG&E had changed its proposal as follows.

1. PG&E has modified both Schedule E-BID and Standard Form 79-963 (the Agreement for Schedule E-BID) to allow up to 50 small customers, defined as Schedule E-19V customers, to participate if they meet the necessary metering and communication requirements.
2. PG&E agrees to provide the same level of detail in its reporting requirements that Southern California Edison Company has already agreed to provide. Specifically, PG&E will provide an informational advice filing by March 31, 2001, describing the results of the participation on Schedule E-BID, including: the number of Schedule E-BID events, the date of the events, and for each completed event the following: the number of enrolled Schedule E-BID customers, the number of participating customers who committed to participate in the event, the hourly published day-ahead PX MCP, aggregated hourly Schedule E-BID commitments, aggregate hourly demand reduction of participating customers, actual hourly reduced demand, average actual reduced energy as a percent of commitments, the total incentive payments, and the number of customers whose actual demand reductions failed to meet the minimum 20 percent of their baseline demand. Where data include three or fewer customers, it will be combined or not reported.
3. PG&E does not anticipate exceeding the target goal of 500 MWh per hour; however, PG&E intends to monitor, after the fact, the actual level of demand reduction achieved, and if necessary reduce the number of customers who will be asked for load reductions. For this purpose, PG&E has modified the

Supplemental Agreement to allow PG&E to not solicit voluntary load reductions from all participants in order to limit the maximum total load reduction under an E-BID Schedule operation event to a target goal of 500 MWh per hour.

4. PG&E has modified the Schedule E-BID Memorandum Account (E-BIDMA) to conform with the requirement that start-up and administrative costs be subject to reasonableness review, primarily to ensure that recorded funds were actually spent. Additionally, the E-BIDMA and Schedule PX note that costs in the E-BIDMA will be included in the calculation of the PX credit, as they are recorded.
5. PG&E has modified Schedule E-BID and Standard Form 79-963 to calculate the customers' baseline for calculating energy reductions based on hours on the most recent available ten weekdays, excluding holidays, unaffected by previously noticed program operations.
6. PG&E has modified Schedule E-BID and Standard Form 79-963 to subtract the "otherwise applicable energy charge" when determining the level of incentive payment.

As required in Ordering Paragraph 4, PG&E will work with other parties, particularly the California Power Exchange (CalPX) and the California Independent System Operator (ISO) to provide the Commission's Energy Division and other interested parties a detailed economic study on the total costs of the program and its economic benefits. However, as noted in PG&E's comments dated March 30, PG&E cannot complete some of the items requested for this Summer of 2000 without data from, and very likely analysis that needs to be performed by, the CalPX and the ISO.

PG&E requests that this filing become effective on **April 26, 2000**, which is the date of filing.

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

Anyone wishing to protest this filing may do so by sending a letter within 20 days of this filing. Protests should be mailed to:

Public Utilities Commission
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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 (address above), and Les Guliasi, Regulatory Relations Manager, 77 Beale Street, Mail Code B10C, P.O. Box 770000, San Francisco, California 94177, Facsimile (415) 973-7451. The protest should set forth the grounds upon which it is based and shall be submitted expeditiously. There are no restrictions on who may file a protest.

In accordance with Section III, Paragraph G of General Order 96-A, PG&E is mailing copies of this advice filing to the utilities and interested parties shown on the attached list. Address change requests should be directed to Nelia Avendano at (415) 973-3529.

Vice President – Regulatory Relations

cc: California Independent System Operator
California Power Exchange
Electricity Oversight Board

Attachments

U39E



PRELIMINARY STATEMENT
(Continued)

N. TRANSITION REVENUE ACCOUNT (TRA) (Cont'd.)

5. ACCOUNTING PROCEDURE: (Cont'd.):

- d. On and after the date the Commission or its delegate declares to be the start date for direct access, a debit entry equal to the Transmission TRA Separated Revenues, based upon rates approved by the Federal Energy Regulatory Commission (FERC);
- e. A debit entry equal to the annual applicable Distribution TRA Separated Revenue Requirement Amount divided by twelve;
- f. A debit entry equal to the annual applicable Nuclear Decommissioning TRA Separated Revenue Requirement Amount divided by twelve;
- g. A debit entry equal to the annual applicable Public Purpose Programs TRA Separated Revenue Requirement Amount divided by twelve;
- h. A debit entry equal to the amount recorded for FERC-authorized ISO charges for transmission support, exclusive of charges in Item d;
- i. A debit entry equal to the amount recorded for purchases from the PX for all power PG&E's customers obtain from the PX;
- j. A debit entry equal to the amount recorded for Diablo Canyon-related ICIP exclusion items listed in Findings of Fact 38, 39, and 40 of Decision 97-05-088;
- k. A debit entry equal to the costs associated with CEP and EET funded by PG&E, up to the amount authorized for PG&E by the CPUC;
- l. A debit entry equal to the recorded incentives paid to customers for avoided power purchases during the period between June 1, 2000, and December 31, 2000, as provided for under Schedule E-BID. (N)
|
(N)
- m. A credit entry equal to the recorded amount of revenue cycle services credits given to customers for revenue cycle services provided by entities other than PG&E; (T)
- n. A credit entry equal to the amount of Shareholder Participation, as defined in Section 6 below; and (T)
- o. If the sum of the beginning of the month balance and the balance after entries 5.a through 5.n above is a debit, Item 5.o will be a debit entry equal to the interest on the average balance of the account at the beginning of the month and the balance after entries 5.a through 5.n above, at a rate equal to one-twelfth the interest rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, G.13 or its successor. (T)
|
(T)

At the end of each month, the balance in this account will be treated as follows:

- 1) If a credit balance, the credit balance will be transferred to the CTC Revenue Section of the TCBA, as defined in Part AV of PG&E's Preliminary Statement.
- 2) If a debit balance, the debit balance including interest will remain in this account and be carried over to the following month.

(Continued)



PRELIMINARY STATEMENT

(Continued)

BS. SCHEDULE E-BID MEMORANDUM ACCOUNT (E-BIDMA)

1. PURPOSE: The purpose of the E-BIDMA is to record the costs incurred by PG&E to implement and administer Schedule E-BID, pursuant to Resolution E-3650. These costs include, but are not limited to, PG&E's start-up costs and ongoing administrative costs for the Schedule E-BID program.
2. APPLICABILITY: The E-BIDMA shall apply to all customer classes, except for those specifically excluded by the Commission.
3. E-BIDMA RATES: The E-BIDMA does not currently have a rate component.
4. ACCOUNTING PROCEDURE: PG&E shall maintain the E-BIDMA by making entries to this account at the end of each month as follows:
 - a. A debit entry equal to the start-up and administrative expenses recorded in PG&E's Operations and Maintenance, and Administrative and General Expense Accounts that were incurred as a result of the Schedule E-BID program.
 - b. A debit entry for capital-related start-up and administrative costs for the Schedule E-BID program equal to:
 - 1) Depreciation expense on the average of the beginning and the end-of-month balance of plant installed for the Schedule E-BID program at one-twelfth of the annual depreciation rates approved by the CPUC for these plant accounts; plus
 - 2) The return on investment on the average of the beginning and the end-of-month balance of plant installed for the Schedule E-BID program, at one-twelfth of the annual rate of return on distribution investment last adopted for PG&E's Electric Department by the CPUC; less
 - 3) The return on the average of beginning and end-of-month accumulated depreciation, and on average accumulated net of deferred taxes on income resulting from the normalization of federal tax depreciation, at one-twelfth the annual rate of return on distribution investment last adopted for PG&E Electric Department by the CPUC

(N)

(N)



PRELIMINARY STATEMENT
(Continued)

BS. SCHEDULE E-BID MEMORANDUM ACCOUNT (E-BIDMA) (Continued)

4. ACCOUNTING PROCEDURE: (Cont'd.)

- c. A debit entry equal to federal and state taxes based on income associated with item 4.b. above, calculated at marginal tax rates currently in effect. This will include all applicable statutory adjustments.

For federal and state taxes, this will conform to normalization requirements as applicable. Interest cost will be at the percentage of net investment last adopted by the CPUC with respect to PG&E.

- d. A debit entry equal to the monthly property taxes on the plant installed
- e. A credit entry equal to the enrollment fees collected from customers participating in the Schedule E-BID program.
- f. A debit entry equal to the interest on the average of the balance at the beginning of the month and the balance after entry 4.a. through 4.e. above at a rate equal to one-twelfth the interest rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, G.13 or its successor.

PG&E shall request the recovery of the balance in the E-BIDMA through the Revenue Adjustment Proceeding (RAP), or other proceeding as authorized by the Commission. Pursuant to Resolution E-3650, the start-up and administrative costs of the program will be subject to reasonableness review primarily to ensure that recorded funds were actually spent. Further, any amounts in the E-BIDMA shall be included in the PX credit calculation, as they are recorded.

(N)

(N)



SCHEDULE PX—POWER EXCHANGE ENERGY COST
(Continued)

RATES:
(Cont'd.)

3. Post Real-Time Settlement Costs:

Adjustments for incentive payments made to customers taking service under Schedule E-BID, costs recorded in the E-BIDMA (Preliminary Statement Part BS), black start capability, long term voltage support, PX administration costs, ISO grid management charges, and amounts resulting from dispute resolution may be required after the real-time settlement cost adjustment is incorporated into PX prices. PX charges including, but not limited to, these adjustments which are available after the real-time settlement cost adjustment has been implemented for a specific hour, will be accrued once a month and applied to adjust PX prices in the next full calendar month. Once the total accrued amounts are summed, the total will be divided by the number of days in the next full calendar month to develop a daily amount. The daily amount will be divided by the sum of the 24 scheduled hourly loads for the day to determine an adjustment (\$/MW) for the day.

(T)
(T)

4. Adjustments for Distribution Loss Factors (DLFs) and Uncollectibles:

The average hourly cost at the transmission/distribution interface, as determined by the sum of the average costs described in Parts 1, 2 and 3 of this section, is multiplied by the DLF and an uncollectible factor to determine the appropriate price to be paid by end-use customers served at each voltage level. DLFs will be calculated by PG&E based on the forecast hourly PG&E UDC Service Area Load (Direct Access, plus Bundled Service, including Hourly PX Pricing Option Service) per Decision 97-08-056. The hourly DLFs will be broken out by service voltage level and made available each day to market participants during the day-ahead market. PG&E will calculate the hourly DLFs based on samples of hourly service area load by applying the approach approved in Decision 92-12-057. The uncollectible factor is equal to 1.003396.

BUNDLED
SERVICE OR
DIRECT ACCESS
SERVICE:

1. Calculation of PX charges for Bundled Service and Hourly PX Pricing Option Customers and PX credits for Direct Access and Hourly PX Pricing Option Customers:

For purposes of determining PX charges for Bundled Service Customers and the PX credit for Direct Access and Hourly PX Pricing Option Customers, an average for each schedule (or TOU period) is developed through the use of a statistical load profile which represents the average load profile for all customers (both Direct Access and Bundled Service) on a given rate schedule. For Agricultural, Traffic Control, Streetlighting, and Outdoor Lighting rate schedules, the statistical load profiles are "static" and are determined hourly for the entire year based on average historical data for three recorded years. These latter static statistical load profiles are updated each calendar year based on available data for the previous three years. For all remaining rate schedules, the statistical load profile is determined "dynamically," using the most current load research information available. This current data will become available and will be posted approximately seven days from the date of occurrence.

The sum of the products of the (1) average hourly costs, including adjustments, and (2) the hourly loads, divided by the use associated with the statistical load profile (expressed as a fraction of the profile period use allocated to each hour) will yield an average cost for a specific customer group and TOU period. These average PX costs will be updated weekly.

(Continued)



SCHEDULE E-BID -- PRICE-RESPONSIVE LOAD PROGRAM

APPLICABILITY: This schedule is available during the period between June 1, and December 31, 2000. It is intended to provide PG&E with a pool of price-responsive load for the purpose of bidding forecasted load into the day-ahead energy market operated by the California Power Exchange (CalPX).

(N)

TERRITORY: This tariff applies everywhere PG&E provides service.

ELIGIBILITY: This schedule is available to up to 500 of PG&E's bundled-service customers on a first-come first-served basis as follows:

1. 450 customers on Schedules E-19 and E-20 customers may take service on this schedule. To be eligible, a customer receiving bundled service under either rate Schedule E-19 or E-20 must have at least 500 kW of maximum demand for three consecutive months, , have in place or cause to be installed telephone-accessible interval load metering being read by PG&E, and have executed a contract for service under this schedule (Form No. 79-963, Agreement for Schedule E-BID). Bundled service customers whose commodity portion of their bill is otherwise calculated as the sum of the products of the customer-specific hourly load and the hourly commodity price are not eligible to take service under this schedule; and
2. 50 customers on Schedule E-19 V may take service on this schedule. To be eligible, a customer receiving bundled service under rate Schedule E-19V must have less than 500 kW of maximum demand, have in place or cause to be installed telephone-accessible interval load metering being read by PG&E, and have executed a contract for service under this schedule (Form No. 79-963). Bundled service customers whose commodity portion of their bill is otherwise calculated as the sum of the products of the customer-specific hourly load and the hourly commodity price are not eligible to take service under this schedule.

PG&E will provide and install the interval meter at the customer's expense. Additionally, as a condition of participating in Schedule E-BID, the customer must have a pager, Internet access and an e-mail address.

(N)

(Continued)



SCHEDULE E-BID -- PRICE-RESPONSIVE LOAD PROGRAM
(Continued)

PROGRAM OPERATIONS:

When the PX market clearing price for a particular PX zone equals or exceeds \$250/MWh, PG&E will solicit from participants voluntary load reductions in exchange for an incentive payment. PG&E will ask for voluntary load reductions to occur only during the hours of noon to 10 p.m., Monday through Friday except for holidays. The incentive payments will be based upon the day-ahead hourly market clearing price for power delivered in the PX operating zone within which the customer receives service, as described in the Incentive Payment Section of this rate schedule.

At or before 2 p.m. on the day immediately preceding a noticed Schedule E-BID operation, unless delayed by a delayed closure of the day-ahead PX market, PG&E will communicate the following information:

1. the operating hours for which load reductions are requested;
2. the baseline usage that PG&E projects for customer's load during those hours for which load reductions are requested, based on the average recorded hourly usage amounts (if available) for these same hours on the most recent available five weekdays, excluding holidays, unaffected by previously noticed program operations; and
3. the pricing incentive that PG&E intends to offer for any load reductions realized relative to the customer's baseline usage.

Program participants shall provide PG&E with confirming notification of their intent to reduce load, by 6 p.m. on the day before such a noticed Schedule E-BID operation (or by 10 a.m. on the day of the noticed operation, if the preceding day was a Sunday or holiday, or if PG&E's notification was given to the customer after 4 pm of the day preceding the day of a noticed operation). No evaluation will be performed, nor payment made, for load reductions undertaken without such advance confirming notification.

(N)

(N)

(Continued)



SCHEDULE E-BID -- PRICE-RESPONSIVE LOAD PROGRAM
(Continued)

INCENTIVE PAYMENTS:	<p>PG&E will evaluate and pay for the customer load reductions realized under Schedule E-BID within a period no longer than 60 days after each operation, depending on where the operation falls within the participant's actual billing cycle. The incentive payments will be reflected in the customer's regular monthly bill as an adjustment. Payments will be calculated by multiplying the offered incentive price by PX zone for each hour (in cents per kilowatt-hour) by the kilowatt-hours of reduced load relative to the noticed baseline quantity, except that PG&E will not pay for any load reductions in amounts less than 20 percent of the noticed baseline quantity. The offered hourly incentive price will be the difference between the PX market clearing price for the zone where the customer is located minus the customer's otherwise applicable energy rate.</p> <p>PG&E may, at its discretion, elect to evaluate and pay out the incentives associated with several operations together in a single payment.</p>	(N)
FAILURE TO REDUCE LOAD:	<p>Participating customers who after confirming participation in noticed operations do not reduce load by 20 percent or more from baseline in three consecutive noticed operations will be terminated from the program.</p>	
INTERACTION WITH CUSTOMER'S OTHER APPLICABLE CHARGES:	<p>Participating customers' regular electric service bills will continue to be calculated each month based on their actual recorded monthly demands and energy usage.</p> <p>If a participant is also enrolled in PG&E's Schedules E-19 and E-20 Non-Firm Service Program, then load curtailment orders issued under the Schedules E-19 and E-20 Non-Firm Service Program (and applicable non-compliance penalty rates) will take precedence over load reductions offered as part of this pilot program. The incentive payments to those participants who are also enrolled in the Schedules E-19 and E-20 Non-Firm Service Program shall exclude any load reductions that occurred during those hours when a Schedules E-19 and E-20 Non-Firm Service Program curtailment order is in effect.</p>	
PROGRAM PARTICIPATION FEE:	<p>Participating customers will be assessed a one-time, non-refundable \$600 enrollment fee in order to recover a portion of the load monitoring, billing and evaluation costs associated with the operation of this rate program.</p>	(N)



Pacific Gas and Electric Company
San Francisco, California

Original
Cancelling

Original

Cal. P.U.C. Sheet No.

16997-E

Cal. P.U.C. Sheet No.

PACIFIC GAS AND ELECTRIC COMPANY
AGREEMENT FOR SCHEDULE E-BID
FORM NO. 79-963 (04/00)
(ATTACHED)

(N)

(N)

Advice Letter No. 1934-E-A
Decision No.

Issued by
DeAnn Hapner
Vice President
Regulatory Relations

Date Filed April 26, 2000
Effective _____
Resolution No. E-3650

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