
March 13, 2000

ADVICE 1439-E
(U 338-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
ENERGY DIVISION

SUBJECT: Modification to Power Factor Adjustment Special Condition

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 the Power Factor Adjustment (PFA) Special Condition of SCE's rate schedules, PA-2, GS-2, RTP-3-GS, TOU-EV-4, TOU-GS-2, TOU-GS-2-SOP, PA-RTP, TOU-PA, TOU-PA-3, TOU-PA-4, TOU-PA-5, TOU-PA-6, TOU-PA-7, and TOU-PA-SOP. The PFA Special Condition provides for the use of a measured or calculated maximum reactive demand, depending on the type of metering installed, to determine the PFA charge for customers with service delivered and metered at voltages less than 4 kilovolts (kV).

BACKGROUND

The PFA Special Condition of the above rate schedules provides that customers pay a charge for the maximum reactive demand they impose on SCE's electrical system. Currently, the reactive demand for such customers is determined in two ways. First, for customers with service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers, the PFA charge is based on such customers' measured maximum reactive demand. Second, customers served at voltages less than 4 kV are billed the PFA charge based on a calculated maximum reactive demand. For these latter customers, reactive demand is calculated by multiplying the customer's measured kilowatt demand by the ratio of the measured kilovarhours to kilowatthours.

Reactive demand meters are installed on accounts that have service delivered and metered at voltages of 4 kV or greater, as these accounts typically have demands that require this type of metering. For service delivered and metered at voltages less than 4 kV, reactive demand metering is not always installed due to the expected lower level of reactive demand. However, with advancements in metering technology, certain kW demand metered customers may have metering installed that is also capable of recording 15-minute reactive demand, thus providing a measured maximum reactive demand. For such customers, determining the PFA charge based on meter registration rather than a calculation produces a more accurate reactive demand to which to apply the PFA rate. Thus, it is reasonable to revise the PFA Special Condition of the affected rate schedules to provide for a PFA charge based on metered reactive demand when such demand is available. This revision will not result in any significant change in the affected customers' billings.

No cost information is required for the advice filing.

This advice filing will not increase any rate or charge, cause the withdrawal of service, or conflict with any schedule or rule. No resolution is required for the approval of this advice filing.

EFFECTIVE DATE

These revised tariff sheets will become effective on the 40th calendar day after the date filed, which is April 22, 2000.

NOTICE

Anyone wishing to protest this advice filing may do so by letter or facsimile and received by 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

Copies should also be sent to the attention of the Director, Energy Division, Room 4004 (same address above), and Donald A. Fellows, Manager of Revenue and Tariffs, Southern California Edison Company, 2244 Walnut Grove Avenue, Rosemead, California 91770, Facsimile (626) 302-4829. 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. Address change requests should be directed to Emelyn Lawler at (626) 302-2308.

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.

Southern California Edison Company

Donald A. Fellows, Jr.

DAF:lmo/eml:1439e.doc
Enclosures

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 27103-E	Schedule GS-2	Revised 23787-E
Revised 27104-E	Schedule GS-2	Revised 23788-E
Revised 27105-E	Schedule RTP-3-GS	Revised 23845-E
Revised 27106-E	Schedule TOU-EV-4	Revised 23862-E
Revised 27107-E	Schedule TOU-GS-2	Revised 23874-E
Revised 27108-E	Schedule TOU-GS-2	Revised 23875-E
		23874-E
Revised 27109-E	Schedule TOU-GS-2-SOP	Revised 23883-E
Revised 27110-E	Schedule TOU-GS-2-SOP	Revised 23884-E
		23883-E
Revised 27111-E	Schedule PA-2	Revised 23984-E
Revised 27112-E	Schedule PA-2	Revised 23985-E
		23984-E
Revised 27113-E	Schedule PA-RTP	Revised 26135-E
Revised 27114-E	Schedule PA-RTP	Revised 23993-E
		26135-E
Revised 27115-E	Schedule TOU-PA	Revised 24003-E
Revised 27116-E	Schedule TOU-PA-3	Revised 24013-E
Revised 27117-E	Schedule TOU-PA-4	Revised 24022-E
Revised 27118-E	Schedule TOU-PA-4	Revised 24023-E
		24022-E
Revised 27119-E	Schedule TOU-PA-5	Revised 24030-E
Revised 27120-E	Schedule TOU-PA-5	Revised 24031-E
		24030-E
Revised 27121-E	Schedule TOU-PA-6	Revised 24038-E
Revised 27122-E	Schedule TOU-PA-7	Revised 24047-E
		24048-E
Revised 27123-E	Schedule TOU-PA-7	Revised 24048-E
Revised 27124-E	Schedule TOU-PA-SOP	Revised 24060-E
Revised 27125-E	Schedule TOU-PA-SOP	Revised 24061-E
Revised 27126-E	Schedule TOU-PA-SOP	Revised 24062-E
		24061-E
Revised 27127-E	Schedule TOU-PA-SOP	Revised 24063-E
		24062-E
Revised 27128-E	Table of Contents	Revised 26948-E
Revised 27129-E	Table of Contents	Revised 27079-E
Revised 27130-E	Table of Contents	Revised 26950-E
Revised 27131-E	Table of Contents	Revised 27093-E



Schedule GS-2
GENERAL SERVICE - DEMAND
(Continued)

Sheet 3 of 8

SPECIAL CONDITIONS (Continued)

- 7. Voltage Discount: The monthly Facilities Related Demand Charge will be reduced by 23.3% for service delivered and metered at voltages of 2 kV through 50 kV and by 71.1% for service delivered and metered at voltages over 50 kV. The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge in effect on June 10, 1996 of \$0.02307 per kWh and multiplying by 3.2% for service delivered and metered at voltages of 2 kV through 50 kV, and by 14.8% for service delivered and metered at voltages over 50 kV.
- 8. Power Factor Adjustment: When the Maximum Demand has exceeded 200 kW for three consecutive months, kilovar metering will be installed as soon as practical, and, thereafter, until the Maximum Demand has been less than 150 kW for twelve consecutive months, the billing will be adjusted each month for power factor.
 - a. Adjustment Rate:
 - (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Company.
 - (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Company.
 - b. Determining the Reactive Demand:
 - (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

(Continued)

Schedule GS-2
GENERAL SERVICE - DEMAND
(Continued)

Sheet 4 of 8

SPECIAL CONDITIONS (Continued)

8. Power Factor Adjustment: (Continued)

b. Determining the Reactive Demand: (Continued)

(2) Service delivered and metered at voltages Less than 4 kV: (C)

(a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

(b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

9. Temporary Discontinuance of Service: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer resuming service within twelve months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

10. Customer-Owned Electrical Generation Equipment: Where customer-owned electrical generation equipment is used to meet a part or all of the customer's electrical requirements, service shall be provided concurrently under the terms and conditions of Schedule S and this schedule. Parallel operation of such generation equipment with the Company's electrical system is permitted.

The use of customer-owned electrical generation equipment for auxiliary, emergency, or standby purposes (auxiliary/emergency generation equipment) is permitted under this schedule. However, auxiliary/emergency generation equipment may be used by the customer to serve the customer's load only during a period when the Company's service is unavailable and only when such load is isolated from the service of the Company. Auxiliary/emergency generation equipment may not be operated in parallel with the Company's electrical system, except that upon approval by the Company, momentary parallel operation may be permitted to allow the customer to test the auxiliary/emergency generation equipment. A Momentary Parallel Generation Contract is required for this type of service.

(Continued)



Schedule RTP-3-GS
General Service
Real Time Pricing
(Continued)

SPECIAL CONDITIONS (Continued)

5. Power Factor Adjustment (Continued)

a. Adjustment Rate:

- (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production customers, the billing will be increased by \$.18 per kilovar of maximum reactive demand imposed on the Utility.
- (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production customers, the billing will be increased by \$.23 per kilovar of maximum reactive demand imposed on the Utility.

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (D)

- (2) Service delivered and metered at voltages Less than 4 kV: (D)

- (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

(Continued)

Schedule TOU-EV-4
GENERAL SERVICE TIME-OF-USE
ELECTRIC VEHICLE CHARGING

Sheet 4 of 7

(Continued)

SPECIAL CONDITIONS (Continued)

8. Power Factor Adjustment: (Continued)

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

- (2) Service delivered and metered at voltages Less than 4 kV: (C)

- (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

9. Interconnection: Customers taking service under this schedule shall have no electrical interconnection beyond the Utility's Point of Delivery between electrical loads eligible for service under this schedule and any other electrical loads.

10. Failure of Meter: Should the meter fail causing the On-Peak and Off-Peak energy consumption to be incorrectly registered, the customer will be billed under an otherwise applicable rate schedule for the as registered consumption.

(Continued)



Schedule TOU-GS-2
TIME-OF-USE - GENERAL SERVICE - DEMAND METERED
(Continued)

SPECIAL CONDITIONS (Continued)

7. Power Factor Adjustment: When the Maximum Demand has exceeded 200 kW for three consecutive months, kilovar metering will be installed as soon as practical, and, thereafter, until the Maximum Demand has been less than 150 kW for twelve consecutive months, the billing will be adjusted each month for power factor.

a. Adjustment Rate:

- (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Company.
- (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Company.

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

- (2) Service delivered and metered at voltages Less than 4 kV: (C)

- (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

(Continued)



Schedule TOU-GS-2
TIME-OF-USE - GENERAL SERVICE - DEMAND METERED
(Continued)

SPECIAL CONDITIONS (Continued)

8. Temporary Discontinuance of Service: When the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within twelve months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued. (L)

9. Customer-Owned Electrical Generation Equipment: Where customer-owned electrical generation equipment is used to meet a part or all of the customer's electrical requirements, service shall be provided concurrently under the terms and conditions of Schedule S and this schedule. Parallel operation of such generation equipment with the Company's electrical system is permitted.

The use of customer-owned electrical generation equipment for auxiliary, emergency, or standby purposes (auxiliary/emergency generation equipment) is permitted under this schedule. However, auxiliary/emergency generation equipment may be used by the customer to serve the customer's load only during a period when the Company's service is unavailable and only when such load is isolated from the service of the Company. Auxiliary/emergency generation equipment may not be operated in parallel with the Company's electrical system, except that upon approval by the Company, momentary parallel operation may be permitted to allow the customer to test the auxiliary/emergency generation equipment. A Momentary Parallel Generation Contract is required for this type of service.

10. California Alternate Rates for Energy Discount: Customers who meet the definition of a group living facility as defined in the Preliminary Statement, Part O, Section 3.g., may qualify for a 15% discount off of their bill prior to application of the PUC Reimbursement Fee and any applicable taxes and late payment charges. Customers eligible for the California Alternate Rates for Energy (CARE) Discount will not be required to pay the CARE Surcharge, as set forth in Preliminary Statement, Part O, Section 5. An Application and Eligibility Declaration (Form No. 14-526), as defined in the Preliminary Statement, Part O, Section 3.h., is required for service under this special condition. Eligible customers shall be billed on this schedule commencing no later than one billing period after receipt and approval of the customer's application by the Company. Customers may be rebilled on the applicable rate schedule for periods in which they do not meet the eligibility requirements for the CARE discount as defined in the Preliminary Statement, Part O, Section 3.g. and Section 3.h.



Schedule TOU-GS-2-SOP
TIME-OF-USE - GENERAL SERVICE
SUPER OFF-PEAK - DEMAND METERED

(Continued)

SPECIAL CONDITIONS (Continued)

7. Power Factor Adjustment: (Continued)

a. Adjustment Rate:

- (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Company.
- (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Company.

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

- (2) Service delivered and metered at voltages Less than 4 kV: (C)

- (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

(Continued)

(L)



Schedule TOU-GS-2-SOP
TIME-OF-USE - GENERAL SERVICE
SUPER OFF-PEAK - DEMAND METERED
(Continued)

SPECIAL CONDITIONS (Continued)

- 8. Temporary Discontinuance of Service: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within twelve months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued. (L)
- 9. Supplemental Visual Demand Meter: Subject to availability, and upon written application by the customer, the Company will, within 180 days, supply and install a Company-owned supplemental visual demand meter. The customer shall provide the required space and associated wiring beyond the point of interconnection for such installation. Said supplemental visual demand meter shall be in parallel with the standard billing meter delineated in Special Condition 3 above. The readings measured or recorded by the supplemental visual demand meter are for customer information purposes only and shall not be used for billing purposes in lieu of meter readings established by the standard billing meter. If a meter having visual capability of displaying real time demand is installed by Edison as the standard billing meter, no additional metering will be installed pursuant to this Special Condition. (L)

One of the following types of supplemental visual demand meters will be provided in accordance with provisions above at no additional cost to the customer: Dial Wattmeter or Electronic Demand Monitor.

If the customer desires a supplemental visual demand meter having features not available in any of the above listed meters, such as an electronic microprocessor-based meter, the Company will provide such a supplemental visual demand meter subject to a monthly charge, if the meter and its associated equipment have been approved for use by the Company. Upon receipt from the customer of a written application the Company will design the installation and will thereafter supply, install, and maintain the supplemental visual demand meter subject to all conditions stated in the first and last paragraph of this Special Condition. For purposes of computing the monthly charge, any such supplemental visual demand meter and associated equipment shall be treated as Added Facilities in accordance with Rule No. 2, Paragraph H, Section 1 and 2 of the tariff rules. Added investment for computing the monthly charge shall be reduced by the Company's estimated total installed cost at the customer location of the Electronic Demand Monitor offered otherwise herein at no additional cost.

The Company shall have sole access for purposes of maintenance and repair to any supplemental visual demand meter installed pursuant to this Special Condition and shall provide all required maintenance and repair. Periodic routine maintenance shall be provided at no additional cost to the customer. Such routine maintenance includes making periodic adjustments, lubricating moving parts and making minor repairs. Non-routine maintenance and major repairs or replacement shall be performed on an actual cost basis with the customer reimbursing the Company for such cost.

(Continued)



Schedule PA-2
POWER - AGRICULTURAL AND PUMPING
DEMAND METERED

(Continued)

SPECIAL CONDITIONS (Continued)

6. Power Factor Adjustment: (Continued)

a. Adjustment Rate:

- (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Utility.
- (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Utility.

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

- (2) Service delivered and metered at voltages Less than 4 kV: (C)

- (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

(Continued)

(L)



Schedule PA-2
POWER - AGRICULTURAL AND PUMPING
DEMAND METERED
(Continued)

SPECIAL CONDITIONS (Continued)

7. Voltage Discount: The monthly Facilities Related Demand Charge will be reduced by 23.1% (L) for service delivered and metered at voltages of 2 kV through 50 kV and by 100.0% for service delivered and metered at voltages over 50 kV. The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge in effect on June 10, 1996 of \$0.02490 per kWh and multiplying by 6.3% for service delivered and metered at voltages of 2 kV through 50 kV, and by 22.4% for service delivered and metered at voltages over 50 kV. (L)

8. Temporary Discontinuance of Service: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer resuming service within twelve months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

9. Optional Time-Of-Use Meter: Upon written request by the customer and subject to meter availability, the Utility may install a time-of-use (TOU) meter on the customer's account for a minimum of one year. A \$2.85 per meter per month TOU meter charge will be added to the customer's billing effective with the first regularly scheduled monthly billing period following the installation of the TOU meter. The specific purpose of the TOU meter is to measure and record, for billing purposes, the Maximum Demand by season. During a season change billing period, the TOU meter will measure and record the maximum demand for each season.

This provision does not affect the normal calculation of energy charges. The determination of energy applied to the first block energy rate will be based on the highest demand in the monthly billing period.

10. Customer-Owned Electrical Generation Equipment: Where customer-owned electrical generation equipment is used to meet a part or all of the customer's electrical requirements, service shall be provided concurrently under the terms and conditions of Schedule S and this schedule. Parallel operation of such generation equipment with the Utility's electrical system is permitted.

The use of customer-owned electrical generation equipment for auxiliary, emergency, or standby purposes (auxiliary/emergency generation equipment) is permitted under this schedule. However, auxiliary/emergency generation equipment may be used by the customer to serve the customer's load only during a period when the Utility's service is unavailable and only when such load is isolated from the service of the Utility. Auxiliary/emergency generation equipment may not be operated in parallel with the Utility's electrical system, except that upon approval by the Company, momentary parallel operation may be permitted to allow the customer to test the auxiliary/emergency generation equipment. A Momentary Parallel Generation Contract is required for this type of service.

(Continued)

Schedule PA-RTP
AGRICULTURAL AND PUMPING - LARGE
REAL TIME PRICING
(Continued)

Sheet 4 of 10

SPECIAL CONDITIONS (Continued)

8. Power Factor Adjustment: (Continued)

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

- (2) Service delivered and metered at voltages Less than 4 kV.: (C)

- (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

9. The daily maximum temperature at its Los Angeles Downtown site, as recorded by the National Weather Service, will be used to determine the PA-RTP hourly rates for the following day according to the PA-RTP rate schedule. It is the responsibility of the customers to acquire the daily maximum temperature at its Los Angeles Downtown site. Edison will not provide this information. (L)

(Continued)



Schedule PA-RTP
AGRICULTURAL AND PUMPING - LARGE
REAL TIME PRICING
 (Continued)

Sheet 5 of 10

SPECIAL CONDITIONS (Continued)

- 10. Ownership and Control of Facilities: Edison will provide, install, own and maintain equipment, including a solid-state load-profile recorder, necessary to monitor the customer's electric usage patterns. Customers will provide space for the equipment and associated wiring in accordance with Rule No. 16. (L)
- 11. Equipment Failure: The customer shall not interfere with the equipment or attempt to undertake any adjustment, repair, or removal thereof. The Utility reserves the right to discontinue service under this rate schedule if in the sole opinion of the Utility, the acts of the customer or the conditions upon the customer's premises contribute to the failure of the equipment in any way. (L)
- 12. Contract: A contract is required for service under this schedule. Customers who agree to participate in the program must sign for 12 months of service under this schedule. The contract will automatically renew at the end of each 12 month period. After the initial 12 month period, the customer may terminate service under this schedule upon not less than 30 days written notice to the Utility.
- 13. Customer-Owned Electrical Generation Equipment: Where customer-owned electrical generation equipment is used to meet a part or all of the customer's electrical requirements, service shall be provided concurrently under the terms and conditions of Schedule S and this schedule. Parallel operation of such generation equipment with the Utility's electrical system is permitted.

The use of customer-owned electrical generation equipment for auxiliary, emergency, or standby purposes (auxiliary/emergency generation equipment) is permitted under this schedule. However, auxiliary/emergency generation equipment may be used by the customer to serve the customer's load only during a period when the Utility's service is unavailable and only when such load is isolated from the service of the Utility. Auxiliary/emergency generation equipment may not be operated in parallel with the Utility's electrical system, except that upon approval by the Company, momentary parallel operation may be permitted to allow the customer to test the auxiliary/emergency generation equipment. A Momentary Parallel Generation Contract is required for this type of service.

(Continued)

Schedule TOU-PA
TIME-OF-USE -
AGRICULTURAL AND PUMPING
(Continued)

Sheet 5 of 10

SPECIAL CONDITIONS (Continued)

9. Power Factor Adjustment: (Continued)
a. Adjustment Rate (Continued)

(2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Company.

b. Determining the Reactive Demand:

(1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

(2) Service delivered and metered at voltages Less than 4 kV: (C)

(a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

(b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

10. Voltage Discount: The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge (under Rate A) in effect on June 10, 1996 of \$0.02229 per kWh and multiplying by 10.3% for service delivered and metered at voltages of from 2 kV though 50 kV, and by 38.9% for service delivered and metered at voltages over 50 kV.

For service provided under Rate B, the monthly Facilities Related Demand Charge will be reduced by 23.2% for service delivered and metered at voltages of 2 kV though 50 kV and by 100.0% for service delivered and metered at voltages over 50 kV. The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge in effect on June 10, 1996 of \$0.01153 per kWh and multiplying by 12.1% for service delivered and metered at voltages of 2 kV though 50 kV, and by 41.3% for service delivered and metered at voltages over 50 kV.

(Continued)

Schedule TOU-PA-3
TIME-OF-USE
AGRICULTURAL AND PUMPING
(Continued)

Sheet 5 of 9

SPECIAL CONDITIONS (Continued)

6. Power Factor Adjustment: (Continued)

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

- (2) Service delivered and metered at voltages Less than 4 kV: (C)

- (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

7. Voltage Discount: The monthly Facilities Related charge will be reduced by 23.2% for service delivered and metered at voltages of 2 kV through 50 kV and by 100.0% for service delivered and metered at voltages over 50 kV. The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge in effect on June 10, 1996 of \$0.01420 per kWh and multiplying by 9.8% for service delivered and metered at voltages of 2 kV through 50 kV, and by 33.5% for service delivered and metered at voltages over 50 kV.

(Continued)

Schedule TOU-PA-4
TIME-OF-USE
AGRICULTURAL AND PUMPING
(Continued)

Sheet 5 of 9

SPECIAL CONDITIONS (Continued)

8. Excess Transformer Capacity: Excess Transformer Capacity is the amount of transformer capacity requested by a customer, or required by the Company, in excess of that which the Company would normally install to serve the customer's Maximum Demand. Excess Transformer Capacity shall be billed at \$1.00 per kVA per month.

9. Power Factor Adjustment: When the Maximum Demand has exceeded 200 kW for three consecutive months, kilovar metering will be installed as soon as practical, and, thereafter, until the Maximum Demand has been less than 150 kW for twelve consecutive months, the billing will be adjusted each month for power factor.
 - a. Adjustment Rate:
 - (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Company.
 - (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Company.

 - b. Determining the Reactive Demand:
 - (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

 - (2) Service delivered and metered at voltages Less than 4 kV: (C)
 - (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (N)

(Continued)



Schedule TOU-PA-4
TIME-OF-USE
AGRICULTURAL AND PUMPING
(Continued)

Sheet 6 of 9

SPECIAL CONDITIONS (Continued)

9. Power Factor Adjustment: (Continued) (N)
- b. Determining the Reactive Demand: (Continued)
- (2) Service delivered and metered at voltages Less than 4 kV: (Continued)
- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)
- The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors. (L)
10. Voltage Discount: The Monthly Facilities Related Demand Charge will be reduced by 23.2% for service delivered and metered at voltages of 2 kV through 50 kV and by 100.0% for service delivered and metered at voltages over 50 kV. The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge in effect on June 10, 1996 of \$0.01363 per kWh and multiplying by 10.2% for service delivered and metered at voltages of 2 kV through 50 kV, and by 34.9% for service delivered and metered at voltages over 50 kV.
11. Temporary Discontinuance of Service: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within twelve months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.
12. Customer-Owned Electrical Generation Equipment: Where customer-owned electrical generation equipment is used to meet a part or all of the customer's electrical requirements, service shall be provided concurrently under the terms and conditions of Schedule S and this schedule. Parallel operation of such generation equipment with the Company's electrical system is permitted.
- The use of customer-owned electrical generation equipment for auxiliary, emergency, or standby purposes (auxiliary/emergency generation equipment) is permitted under this schedule. However, auxiliary/emergency generation equipment may be used by the customer to serve the customer's load only during a period when the Company's service is unavailable and only when such load is isolated from the service of the Company. Auxiliary/emergency generation equipment may not be operated in parallel with the Company's electrical system, except that upon approval by the Company, momentary parallel operation may be permitted to allow the customer to test the auxiliary/emergency generation equipment. A Momentary Parallel Generation Contract is required for this type of service.

(Continued)



Schedule TOU-PA-5
TIME-OF-USE
AGRICULTURAL AND PUMPING
DEMAND METERED
(Continued)

Sheet 4 of 8

SPECIAL CONDITIONS (Continued)

6. Power Factor Adjustment: (Continued)

a. Adjustment Rate (Continued)

(2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Company.

b. Determining the Reactive Demand:

(1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

(2) Service delivered and metered at voltages Less than 4 kV: (C)

(a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

(b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors. (L)

(Continued)



Schedule TOU-PA-5
TIME-OF-USE
AGRICULTURAL AND PUMPING
DEMAND METERED
(Continued)

Sheet 5 of 8

SPECIAL CONDITIONS (Continued)

- 7. Voltage Discount: The monthly Facilities Related Demand Charge will be reduced by 23.2% (L) for service delivered and metered at voltages of 2 kV through 50 kV and by 100.0% for service delivered and metered at voltages over 50 kV. The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge in effect on June 10, 1996 of \$0.00719 per kWh and multiplying by 19.3% for service delivered and metered at voltages of 2 kV through 50 kV, and by 66.2% for service delivered and metered at voltages over 50 kV.
- 8. Temporary Discontinuance of Service: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within twelve months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued. (L)
- 9. Customer-Owned Electrical Generation Equipment: Where customer-owned electrical generation equipment is used to meet a part or all of the customer's electrical requirements, service shall be provided concurrently under the terms and conditions of Schedule S and this schedule. Parallel operation of such generation equipment with the Company's electrical system is permitted.

The use of customer-owned electrical generation equipment for auxiliary, emergency, or standby purposes (auxiliary/emergency generation equipment) is permitted under this schedule. However, auxiliary/emergency generation equipment may be used by the customer to serve the customer's load only during a period when the Company's service is unavailable and only when such load is isolated from the service of the Company. Auxiliary/emergency generation equipment may not be operated in parallel with the Company's electrical system, except that upon approval by the Company, momentary parallel operation may be permitted to allow the customer to test the auxiliary/emergency generation equipment. A Momentary Parallel Generation Contract is required for this type of service.

(Continued)

Schedule TOU-PA-6
AGRICULTURAL WATER PUMPING - LARGE
ALTERNATE POWER SOURCE

Sheet 4 of 9

(Continued)

SPECIAL CONDITIONS (Continued)

5. Excess Transformer Capacity: Excess Transformer Capacity is the amount of transformer capacity requested by a customer in excess of that which the Utility would normally install to serve the customer's Maximum Demand. Excess Transformer Capacity shall be billed at \$1.00 per kVA per month.

6. Power Factor Adjustment: When the Maximum Demand has exceeded 200 kW for three consecutive months, kilovar metering will be installed as soon as practical, and, thereafter, until the Maximum Demand has been less than 150 kW for twelve consecutive months, the billing will be adjusted each month for power factor.
 - a. Adjustment Rate:
 - (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Utility.
 - (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Utility.

 - b. Determining the Reactive Demand:
 - (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)
 - (2) Service delivered and metered at voltages Less than 4 kV: (C)
 - (a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.
 - (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

(Continued)



Schedule TOU-PA-7
AGRICULTURAL WATER PUMPING - LARGE
ALTERNATE POWER SOURCE
(Continued)

SPECIAL CONDITIONS (Continued)

Holidays are New Year's Day (January 1), Washington's Birthday (third Monday in February), Memorial Day (last Monday in May), Independence Day (July 4), Labor Day (first Monday in September), Veterans Day (November 11), Thanksgiving Day (fourth Thursday in November), and Christmas (December 25). When any holiday listed above falls on Sunday, the following Monday will be recognized as an off-peak period. No change will be made for holidays falling on Saturday. The summer season shall commence at 12:00 a.m. on the first Sunday in June and continue until 12:00 a.m. of the first Sunday in October of each year. The winter season shall commence at 12:00 a.m. on the first Sunday in October of each year and continue until 12:00 a.m. of the first Sunday in June of the following year.

2. Voltage: Service will be supplied at one standard voltage.
3. Maximum Demand: Maximum demands shall be established for the On-Peak, Mid-Peak, and Off-Peak periods. The maximum demand for each period shall be the measured maximum average kilowatt input indicated or recorded by instruments to be supplied by the Company, during any 15-minute metered interval, but, where applicable, not less than the diversified resistance welder load computed in accordance with the section designated Welder Service in Rule No. 2. Where the demand is intermittent or subject to violent fluctuations, a 5-minute interval may be used.
4. Billing Demand: The Billing Demand shall be the kilowatts of Maximum Demand, determined to the nearest kW. The Demand Charge shall include the following billing components. The Time Related Component shall be for the kilowatts of Maximum Demand recorded during (or established for) the monthly billing period for each of the On-Peak, Mid-Peak, and Off-Peak Time Periods. The Facilities Related Component shall be for the greater of the kilowatts of Maximum Demand recorded during (or established for) the monthly billing period or 50 percent of the highest Maximum Demand established in the preceding eleven months (Ratcheted Demand). However, when the Utility determines the Customer's meter will record little or no energy use for extended periods of time or when the Customer's meter has not recorded a Maximum Demand in the preceding eleven months, the Facilities Related Component of the Demand Charge may be established at 50 percent of the Customer's connected load. Separate Demand Charge(s) for the On-Peak, Mid-Peak, and Off-Peak Time Periods shall be established for each monthly billing period. The Demand Charge for each time period shall be based on the Maximum Demand for that time period occurring during the respective monthly billing period.
5. Excess Transformer Capacity: Excess Transformer Capacity is the amount of transformer capacity requested by a customer in excess of that which the Utility would normally install to serve the customer's Maximum Demand. Excess Transformer Capacity shall be billed at \$1.00 per kVA per month. (L)

(Continued)



Schedule TOU-PA-7
AGRICULTURAL WATER PUMPING - LARGE
ALTERNATE POWER SOURCE

(Continued)

SPECIAL CONDITIONS (Continued)

6. Power Factor Adjustment: When the Maximum Demand has exceeded 200 kW for three consecutive months, kilovar metering will be installed as soon as practical, and, thereafter, until the Maximum Demand has been less than 150 kW for twelve consecutive months, the billing will be adjusted each month for power factor.

(L)

a. Adjustment Rate:

- (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Utility.
- (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Utility.

b. Determining the Reactive Demand:

- (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

(C)

- (2) Service delivered and metered at voltages Less than 4 kV:

(C)

- (a) For customers with metering used for billing that measures reactive demand.

(N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

- (b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand.

(N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

(Continued)



Schedule TOU-PA-SOP
TIME-OF-USE
AGRICULTURAL AND PUMPING
SUPER OFF-PEAK
DEMAND METERED

(Continued)

SPECIAL CONDITIONS (Continued)

- 6. Excess Transformer Capacity: Excess Transformer Capacity is the amount of transformer capacity requested by a customer, or required by the Company, in excess of that which the Company would normally install to serve the customer's Maximum Demand. Excess Transformer Capacity shall be billed at \$1.00 per kVA per month.
- 7. Power Factor Adjustment: When the Maximum Demand has exceeded 200 kW for three consecutive months, kilovar metering will be installed as soon as practical, and, thereafter, until the Maximum Demand has been less than 150 kW for twelve consecutive months, the billing will be adjusted each month for power factor.
 - a. Adjustment Rate:
 - (1) For service delivered and metered at voltages greater than 50 kV, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.18 per kilovar of maximum reactive demand imposed on the Company.
 - (2) For service delivered and metered at voltages of 50 kV or less, including Cogeneration and Small Power Production Customers, the billing will be increased by \$0.23 per kilovar of maximum reactive demand imposed on the Company.
 - b. Determining the Reactive Demand:
 - (1) Service delivered and metered at voltages of 4 kV or greater and for all Cogeneration and Small Power Production customers:

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter. (C)

(Continued)

Schedule TOU-PA-SOP
TIME-OF-USE
AGRICULTURAL AND PUMPING
SUPER OFF-PEAK
DEMAND METERED

Sheet 5 of 10

(Continued)

SPECIAL CONDITIONS (Continued)

7. Power Factor Adjustment: (Continued)

b. Determining the Reactive Demand:

(2) Service delivered and metered at voltages Less than 4 kV: (C)

(a) For customers with metering used for billing that measures reactive demand. (N)

The maximum reactive demand shall be the highest measured maximum average kilovar demand indicated or recorded by metering during any 15-minute metered interval in the month. The kilovars shall be determined to the nearest unit. A device will be installed on each kilovar meter to prevent reverse operation of the meter.

(b) For customers with metering used for billing that measures kilovar-hours instead of reactive demand. (N)

The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to the kilowatthours. Demands in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device will be installed on the kilovar-hour meter to prevent its reverse operation on leading power factors.

8. Voltage Discount: The monthly Facilities Related Demand Charge will be reduced by 23.2% for service delivered and metered at voltages of 2 kV through 50 kV and by 100.0% for service delivered and metered at voltages over 50 kV. The discount applied to Energy Charges is calculated by taking the Base Rate Energy Charge in effect on June 10, 1996 of \$0.00100 per kWh and multiplying by 100.0% for service delivered and metered at voltages of 2 kV through 50 kV, and by 100.0% for service delivered and metered at voltages over 50 kV.

9. Temporary Discontinuance of Service: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within twelve months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued. (L)

(Continued)



Schedule TOU-PA-SOP
TIME-OF-USE
AGRICULTURAL AND PUMPING
SUPER OFF-PEAK
DEMAND METERED
(Continued)

SPECIAL CONDITIONS (Continued)

10. Supplemental Visual Demand Meter: Subject to availability, and upon written application by the customer, the Company will, within 180 days, supply and install a Company-owned supplemental visual demand meter. The customer shall provide the required space and associated wiring beyond the point of interconnection for such installation. Said supplemental visual demand meter shall be in parallel with the standard billing meter delineated in Special Condition 3 above. The readings measured or recorded by the supplemental visual demand meter are for customer information purposes only and shall not be used for billing purposes in lieu of meter readings established by the standard billing meter. If a meter having visual capability of displaying real time demand is installed by Edison as the standard billing meter, no additional metering will be installed pursuant to this Special Condition. (L)

One of the following types of supplemental visual demand meters will be provided in accordance with provisions above at no additional cost to the customer: Dial Wattmeter or Electronic Demand Monitor. (L)

If the customer desires a supplemental visual demand meter having features not available in any of the above listed meters, such as an electronic microprocessor-based meter, the Company will provide such a supplemental visual demand meter subject to a monthly charge, if the meter and its associated equipment have been approved for use by the Company. Upon receipt from the customer of a written application the Company will design the installation and will thereafter supply, install, and maintain the supplemental visual demand meter subject to all conditions stated in the first and last paragraph of this Special Condition. For purposes of computing the monthly charge, any such supplemental visual demand meter and associated equipment shall be treated as Added Facilities in accordance with Rule No. 2, Paragraph H, Section 1 and 2 of the tariff rules. Added investment for computing the monthly charge shall be reduced by the Company's estimated total installed cost at the customer location of the Electronic Demand Monitor offered otherwise herein at no additional cost.

The Company shall have sole access for purposes of maintenance and repair to any supplemental visual demand meter installed pursuant to this Special Condition and shall provide all required maintenance and repair. Periodic routine maintenance shall be provided at no additional cost to the customer. Such routine maintenance includes making periodic adjustments, lubricating moving parts and making minor repairs. Non-routine maintenance and major repairs or replacement shall be performed on an actual cost basis with the customer reimbursing the Company for such cost. (L)

(Continued)



Schedule TOU-PA-SOP
TIME-OF-USE
AGRICULTURAL AND PUMPING
SUPER OFF-PEAK
DEMAND METERED
(Continued)

SPECIAL CONDITIONS (Continued)

- 11. Contracts: An initial three-year facilities contract may be required where applicant requires new or added serving capacity exceeding 2,000 kVA. (L)
- 12. Separate Service Connections or Meters. Under this schedule, the Company may, at its option, provide an additional service connection and/or meter, separate from any other service connection and/or meter provided under this or any other applicable rate schedule. Customers so served shall not be permitted to have an electrical interconnection beyond the Company's point of delivery between the separately metered loads except upon written approval of the Company. (L)

When, at the request of an applicant or customer, a separate service connection is installed under this schedule, the second service connection shall be installed at the applicant or customer's expense in accordance with Rule 2, Section H. A change from this rate schedule to any non-super-off-peak rate schedule will be permitted only if the separate meter and/or service connection are removed. Any such removal shall be at the customer's expense.

In addition, any rearrangement of facilities required to provide the additional meter and/or service connection shall be at the expense of the requesting applicant or customer. Where an additional meter is provided under this Special Condition and there is no increase in the size of the Company's serving facilities, there will be no Customer Charge for the account served under the schedule having the lowest customer charge amount.

- 13. Customer-Owned Electrical Generation Equipment: Where customer owned electrical generation equipment is used to meet a part or all of the customer's electrical requirements, service shall be provided concurrently under the terms and conditions of Schedule S and this schedule. Parallel operation of such generation equipment with the Company's electrical system is permitted.

The use of customer-owned electrical generation equipment for auxiliary, emergency, or standby purposes (auxiliary/emergency generation equipment) is permitted under this schedule. However, auxiliary/emergency generation equipment may be used by the customer to serve the customer's load only during a period when the Company's service is unavailable and only when such load is isolated from the service of the Company. Auxiliary/emergency generation equipment may not be operated in parallel with the Company's electrical system, except that upon approval of the Company, momentary parallel operation may be permitted to allow the customer to test the auxiliary/emergency generation equipment. A Momentary Parallel Generation Contract is required for this type of service.

(Continued)



TABLE OF CONTENTS
(Continued)

Sheet 4 of 17

RATE SCHEDULES
(Continued)

<u>Schedule No.</u>	<u>Title of Sheet</u>	<u>Cal. P.U.C. No.</u>
<u>GENERAL SERVICE/INDUSTRIAL</u>		
AEDR	Attraction Economic Development Rate	26451-23772-23773-26253-E
EEDR	Expansion Economic Development Rate	23775-26452-23777-26254-E
GS-1	General Service - Non Demand	23779-26507-26508-23782-26255-26892-E
GS-2	General Service - Demand	23785-23786-27103-27104-23789-23790-26893-E (T)
	.....	25749-E
GS-APS	General Service - Automatic Powershift, Non-Demand	23793-25455-26257-E
	.....	23796-E
I-6	Time-of-Use, General Service - Large - Interruptible	23797-23798-23799-E
	.....	23800-23801-26453-26510-23804-23805-26258-26894-26895-26896-23810-E
REDR	Retention Economic Development Rate	26454-23812-23813-26259-E
RTP-2	General Service - Large, Real Time Pricing Test	23815-23816-23817-E
	.....	23818-26511-26260-26897-23822-26781-23824-E
RTP-2-I	General Service - Large, Real Time Pricing Test, Interruptible ..	23825-23826-23827-26512-26513-23830-26261-26898-23833-26782-23835-E
RTP-3	General Service - Large, Real Time Pricing	26455-23837-23838-26262-E
	.....	26899-23841-26783-E
RTP-3-GS	General Service Real Time Pricing	26456-23844-27105-26263-26900-23848-E (T)
	.....	26784-E
SSGDR	Simplified Self-Generation Deferral Rate	26457-23851-23852-26264-23854-E
TOU-EV-3	General Service Time-Of-Use Electric Vehicle Charging.....	23855-23856-26265-E
	.....	26901-E
TOU-EV-4	General Service - Time-Of-Use Electric Vehicle Charging	23859-23860-E
	.....	23861-27106-23863-26266-26902-E (T)
TOU-GS-1	General Service - Non Demand	23866-26514-26515-26267-26903-E
TOU-GS-2	General Service - Time-of-Use - Demand Metered	23871-23872-23873-E
	.....	27107-27108-26268-26904-26905-23879-E (T)
TOU-GS-2-SOP	Time-of-Use, General Service - Demand Metered	23880-23881-23882-E
	.....	27109-27110-26517-26269-26906-23888-E (T)

(Continued)



TABLE OF CONTENTS
(Continued)

Sheet 5 of 17

RATE SCHEDULES
(Continued)

<u>Schedule</u>	<u>Title of Sheet</u>	<u>Cal. P.U.C.</u>
<u>No.</u>		<u>No.</u>

GENERAL SERVICE/INDUSTRIAL
(Continued)

TOU-8	General Service - Large..... 27061-27062-27063-27064-27065-27066-27067-E.....27068-27069-27070-27071-27072-27073-27074-27075-27076-27077-E	
TOU-8-CR-1	General Service - Large Contract Rate 1, Incremental Sales 26458-23906-26271-26910-E	
TOU-8-RTP	Time-of-Use, Real Time On-Peak Demand Charge, General Service, Large .. 23909-23910-23911-23912-23913-23914-23915-23916-26519-23918-23919-E 23920-26272-26911-26912-26913-23925-E	
TOU-8-SOP	Time-of-Use, General Service - Large, Super Off-Peak . .. 23926-23927-23928-23929-23930-23931-23932-26520-23934-23935-26273-E 26914-26915-26916-23940-E	
TOU-8-SOP-I	Time-of-Use, General Service - Large - Super Off-Peak - Interruptible .. 23941-23942-23943-23944-23945-23946-23947-26521-23949-26274-26917-E 26918-26919-E	
TOU-8-SOP-RTP	Time-of-Use, Real Time On-Peak Demand Charge, General Service, Large, Super Off-Peak..... 23954-23955-23956-23957-23958-23959-23960-E.....23961-26522-23963-23964-26275-26920-26921-26922-23969-E	

AGRICULTURAL/PUMPING

AP-I	Agricultural and Pumping - Interruptible .....23970-23971-26523-26276-23974-E	
PA-1	Power - Agricultural and Pumping (Connected Load Basis)..... 23975-26524-E.....26525-23978-23979-26277-26923-E	
PA-2	Power - Agricultural and Pumping (Demand Basis)..... 23982-23983-27111-E (T) 27112-23986-26278-26924-E (T)	
PA-RTP	Agricultural and Pumping - Large, Real Time Pricing..... 23989-23990-23991-E 27113-27114-26279-26925-23996-26808-23998-E (T)	
TOU-PA	Time-of-Use, Agricultural and Pumping 23999-24000-24001-24002-E 27115-26528-26280-26926-26927-24008-E (T)	
TOU-PA-3	Time-of-use, Agricultural and Pumping.....24009-24010-24011-24012-27116-E (T) 26529-26281-26928-24017-E	
TOU-PA-4	Time-of-Use, Agricultural and Pumping, Demand Metered .....24018-24019-E 24020-24021-27117-27118-26282-26929-24026-E (T)	

(Continued)



TABLE OF CONTENTS
(Continued)

Sheet 6 of 17

RATE SCHEDULES
(Continued)

<u>Schedule</u> <u>No.</u>	<u>Title of Sheet</u>	<u>Cal. P.U.C.</u> <u>No.</u>
<u>AGRICULTURAL/PUMPING</u> (Continued)		
TOU-PA-5	Time-of-Use, Agricultural and Pumping, Demand Metered	24027-24028-E
	.....	24029-27119-27120-26283-26930-24034-24034-E (T)
TOU-PA-6	Time-of-Use, Agricultural and Pumping, Large, Alternate Power Source	
	.....	24035-24036-24037-27121-24039-26284-26931-26932-24043-E (T)
TOU-PA-7	Agricultural Water Pumping - Large Alternate Power Source	
	.....	26459-24045-24046-27122-27123-24049-24050-26285-26933-26934-E (T)
	.....	26935-26936-24056-E
TOU-PA-SOP	Time-of-Use, Agricultural and Pumping, Super Off-Peak	
	.....	24057-24058-24059-27124-27125-27126-27127-26286-26937-24066-E (T)
TOU-PA-SOP-I	Time-of-Use, Agricultural and Pumping, Super Off-Peak Interruptible	
	.....	24067-24068-24069-26533-24071-26287-26938-E

STREET & AREA LIGHTING/TRAFFIC CONTROL

AL-1	Outdoor Area Lighting Service	24074-26288-24076-26939-E
AL-2	Outdoor Area Lighting Service - Metered.....	24835-26289-24837-26940-E
DWL	Residential Walkway Lighting	24078-24079-24080-24081-24082-26290-E
	.....	26941-24085-E
LS-1	Lighting - Street and Highway (Utility-owned System)	24086-24087-E
	.....	24088-24089-24090-24091-24092-24093-24094-26942-24096-E
LS-2	Lighting - Street and Highway (Customer-owned Installation)	
	.....	24097-24098-24099-24100-24101-24102-24103-24104-24105-24106-E
	.....	26291-26943-24109-24110-E
LS-3	Lighting - Street and Highway (Customer-owned Installation)	
	.....	24111-24112-24113-26292-26944-E
OL-1	Outdoor Area Lighting Service.....	24116-24117-24118-24119-26293-26945-E
	.....	24122-E
TC-1	Traffic Control Service	24123-26294-26946-E

(Continued)



TABLE OF CONTENTS

Sheet 1 of 17

Cal. P.U.C.
Sheet No.

TITLE PAGE 11431-E
 TABLE OF CONTENTS - RATE SCHEDULES 27131-27039-26830-27128-27129-27130-E (T)
 TABLE OF CONTENTS - LIST OF CONTRACTS AND DEVIATIONS 27092-E
 TABLE OF CONTENTS - RULES 26340-E
 TABLE OF CONTENTS - BASELINE REGIONS 26725-E
 TABLE OF CONTENTS - SAMPLE FORMS 26745-25429-25430-27080-25378-25429-25430-E
 25381-E

PRELIMINARY STATEMENT:

A. Territory Served 22909-E
 B. Description of Service 22909-E
 C. Procedure to Obtain Service 22909-E
 D. Establishment of Credit and Deposits 22909-E
 E. General 22909-24193-24194-E
 F. Symbols 24194-E
 G. Gross Revenue Sharing Mechanism 26584-26585-26586-26587-26588-26589-26590-E
 26591-26592-26593-27050-E
 H. Baseline Service 11457-20329-11880-11881-11461-E
 I. NOT IN USE
 J. NOT IN USE
 K. NOT IN USE
 L. NOT IN USE
 M. Income Tax Component of Contributions 16039-24573-E
 N. Memorandum Accounts 21344-26001-26756-22358-24196-22360-26003-24800-E
 21800-21801-25868-21803-22369-22370-22371-22372-22373-22374-21121-E
 24956-22375-22376-21843-21243-21787-21846-21847-21848-21849-21850-21851-E
 21852-21853-21854-25204-26004-22379-26005-21960-22046-22047-22546-23702-E
 23703-23406-23200-23201-23202-23203-23204-23205-23206-23207-23208-23209-E
 23210-23211-23212-23213-26006-24197-23216-24198-27036-24199-23220-23221-E
 23222-23223-24200-23225-23226-23227-23228-24882-24244-24477-24812-22380-E
 24201-24202-22621-22622-24272-26007-26096-26108-26314-26757-26996-E
 O. California Alternative Rates for Energy (CARE) Adjustment Clause
 23704-22161-21350-21351-26008-22163-E
 P. Optional Pricing Adjustment Clause (OPAC) 20625-20626-24169-22165-20629-E

(Continued)

May 15, 2000

California Public Utilities Commission
505 Van Ness Avenue, Room 4005
San Francisco, CA 94102

Attn: Jerry Royer
Energy Division

Re: Substitute Sheets for Advice 1439-E

Dear Mr. Royer:

Enclosed are an original and six copies of Attachment A and substitute Sheet Nos. 27104-E^{*1}, 27108-E*, 27112-E*, 27114-E*, 27118-E*, 27120-E*, and 27127-E* for Advice 1439-E. The enclosed substitute sheets are necessary because it was not possible for SCE to anticipate with certainty the effective date of multiple Advice Letters affecting the same tariff sheets. Specifically, the affected sheets of Advice 1439-E are updated to reflect language previously approved by the Commission in Advice 1410-E-A and correct corresponding cancelling sheet numbers.

Please replace the enclosed sheets in your master Advice Letter 1439-E file. If you have any questions, please contact Reneé Vazquez at (626) 302-2077.

Sincerely,

Enclosures
1439-ESub.doc
cc: Laura Martin, Energy Division

¹ Asterisk denotes substituted sheet.

June 28, 2002

California Public Utilities Commission
505 Van Ness Avenue, Room 4005
San Francisco, CA 94102

Attn: Jerry Royer
Energy Division

Re: Substitute Sheets for Advice 1439-E

Dear Mr. Royer:

Enclosed is an original and six copies of Attachment A and substitute Sheet No. 27106-E*¹ for Advice 1439-E. The substitute sheet is necessary due to the time lag between the effective and approval dates for Advice 1357-E. Although Advice 1357-E was filed in late 1998 and effective January of 1999; SCE did not receive approval until June 11, 2002. As a result of this situation, several advice letters revising certain tariff sheets also revised by Advice 1357-E were filed and approved during the elapsed time between the filing and approval dates for Advice 1357-E; thus substitute sheets are needed for such common tariff sheets to reflect the appropriate changes established by Advice 1357-E. This will provide that the affected tariff sheets contain all the appropriate approved revisions. Specifically, in Advice 1357-E the *Failure of Meter* Special Condition was deleted and caused the remaining Special Conditions to be renumbered the affect of which is now indicated in Advice 1439-E via the above substitute sheet.

Please replace the enclosed sheets in your master Advice Letter 1439-E file. If you have any questions, please contact Reneé Vazquez at (626) 302-2077.

Sincerely,

Enclosures
1439-Esub2.doc

¹ Asterisk denotes a substituted sheet.

July 19, 2000

California Public Utilities Commission
505 Van Ness Avenue, Room 4005
San Francisco, CA 94102

Attn: Jerry Royer
Energy Division

Re: Substitute Sheets for Advice 1439-E

Dear Mr. Royer:

Enclosed are an original and six copies of Attachment A and substitute Sheet Nos. 27112-E**¹, 27114-E**, 27120-E**, and 27127-E** for Advice 1439-E. The enclosed substitute sheets are necessary due to Advice 1410-E-A and 1439-E becoming effective out of chronological order. In addition, on May 15, 2000, SCE submitted a substitute sheet letter revising the same sheets as mentioned above to update previously approved language and cancelling sheet numbers. At the time of that submittal however, a second cancelling sheet was inadvertently omitted on all sheets.² The enclosed substitute sheets are the exact sheets as submitted on May 15, 2000 but now include correct cancelling sheet numbers.

Please replace the enclosed sheets in your master Advice Letter 1439-E file. If you have any questions, please contact René Vazquez at (626) 302-2077.

Sincerely,

Enclosures
1439-ESub2.doc
cc: Laura Martin, Energy Division

¹ Asterisk denotes substituted sheet.

² A second cancelling sheet was necessary to denote relocated text from another tariff sheet.