
May 4, 1998

ADVICE 1309-E
(U 338-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
ENERGY DIVISION

SUBJECT: **Modification of Existing Line and Service Extension Rules**
 Pursuant to Decision Nos. 97-12-098 and 97-12-099

In compliance with Decision No. 97-12-098 (D.97-12-098) and Decision No. 97-12-099 (D.97-12-099), dated December 16, 1997, Southern California Edison Company (SCE), an *Edison International* company, hereby transmits for filing the following changes in its tariff schedules. The revised tariff sheets are listed on Attachment A and are attached hereto.

PURPOSE

In compliance with D.97-12-098 and D.97-12-099, this Filing revises SCE's Rule 13, Temporary Service; Rule 15, Distribution Line Extensions; Rule 16, Service Extensions; associated tariffs, and contracts to include the cost of transformers, meters, and service conductors as costs to developers subject to a distribution-based allowance, and to establish an Applicant Design Option for new residential installations and temporary residential facilities.

BACKGROUND

On March 31, 1992, Order Instituting Rulemaking (R.92-03-050) commenced and proceeded to uncover "opportunities to consolidate, simplify, and standardize the extension rules, reduce the administrative costs of the rules, and more appropriately assign extension costs."^{1/} On December 7, 1994, in Phase 1 of this proceeding, the Commission issued a milestone decision, Decision No. 94-12-026 (D.94-12-026), which approved SCE's Rules 15 and 16 and allowed SCE to revenue-

^{1/} R.92-03-050, p.1.

justify the allowances provided to applicants under Rule 15.^{2/} D.94-12-026 left other key issues open to resolution in later phases of this proceeding including the further refinement of the revenue-based allowance calculation method. On June 6, 1996, the Commission issued Decision No. 96-06-031 which identified eight issues to be addressed in the final phase of this rulemaking.

Of the eight issues, D.97-12-098 addresses Issue No. 8 and allows SCE to: (1) revenue-justify Rule 16 by including the cost of transformers, service conductors, and meter equipment as costs to the developer, yet subject to allowances to reduce the amounts by which ratepayers already connected to SCE's system pay for the costs caused by new ratepayers requiring new line and service extensions, (2) use only distribution-based revenues for calculating allowances, rather than revenues reflecting the full range of SCE services in "Net Revenue" used to set allowances, and (3) authorize relevant Commission decisions from other proceedings to flow-through into the formula for calculating line and service extension allowances with any resulting changes in the allowances filed with the Commission by an advice letter.^{3/} Therefore, this Filing revises Rule 15 and Rule 16 accordingly and includes corresponding changes to Schedule AL-1, Rule 1, Rule 20, Form 14-188, Terms and Conditions Agreement for Installation of Distribution Line Extensions by Applicant, Form 16-330, Contract for Extension of Electric Distribution Line Rule 15, and Form 16-331, Contract for Extension of Electric Distribution Line Rule 15 Installation by Applicant.

In addition, Decision No. 95-12-013 approved a 24-month Applicant Design pilot program to test the feasibility of applicants designing distribution facilities for electric service to their projects. D.97-12-099 declared the Applicant Design pilot program a success and ordered SCE to file an Applicant Design tariff provision for new, and temporary, residential electric line and distribution systems. Therefore, this Filing revises Rules 13, 15 and 16.

Additionally, Rule 16, Section B.3.b is revised to make reference to Rule 18 rather than Rule 2 in order to more appropriately reference alternative metering arrangements and provide consistency among utilities. Minor text changes also occur throughout Rules 13, 15 and 16, and their associated contracts due to changing the reference of Southern California Edison Company from "Edison" to "SCE."

No cost information is required for this Advice Filing.

^{2/} Advice Letter 1095-E, dated March 30, 1995.

^{3/} Ordering Paragraph 1 of D.97-12-098, as modified by Decision No. 98-03-039 dated March 12, 1998.

EFFECTIVE DATE

This Filing is made in compliance with D.97-12-098 and D.97-12-099 and no Resolution is required. Pursuant to Ordering Paragraph 2 of D.97-12-098 and Ordering Paragraph 1 of D.97-12-099, this Filing shall be made effective July 1, 1998.

NOTICE

In compliance with Section III, Paragraph G, of General Order 96-A, SCE is mailing copies of this Filing to the attached service list, including the Interested Parties in R.92-03-050. Address change requests should be directed to Emelyn de Guzman at (626) 302-3985.

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 the SCE's corporate headquarters.

Southern California Edison Company

Donald A. Fellows, Jr.

DAF:jhm:Adv15&16.doc
Enclosures

cc: CPUC, SF - Attn: Elena Schmid, ORA
CPUC, SF - Attn: ALJ Bertram D. Patrick
CPUC, SF - Attn: Sarvjit Randhawa, Energy Division



Schedule AL-1
OUTDOOR AREA LIGHTING SERVICE
METERED
(Continued)

Sheet 2

SPECIAL CONDITIONS (Continued)

3. Separate Point of Delivery: (Continued)

When, at the request of the applicant or customer, an additional Point of Delivery is established to provide service under this schedule, the facilities to provide the additional Points of Delivery, including transformer, meter, and service conductors, shall be installed at the applicant's or customer's expense in accordance with Rule 2, Section H. A change from this rate schedule to any other rate schedule will be permitted only if the additional Point of Delivery is removed. Any such removal shall be at the customer's expense. (C)

Any rearrangement of facilities required to provide the additional Point of Delivery shall be at the expense of the requesting applicant or customer.

4. Controlled Operation: Service under this schedule requires the control of lamps in a manner acceptable to the Utility so that lamps will not be lighted daily from dawn to dusk.

5. Distribution Line Extension: Distribution line extensions to reach an outdoor area light or area lighting system shall be in accordance with Rule 15. (T)

6. Services shall be installed and maintained as provided in Rule 16. (T)

7. Incidental Loads: Incidental, non-lighting loads may be served under this schedule only where such connected loads do not exceed 15 percent of the customer's total connected load.

8. Billing: A Customer's bill is first calculated according to the total rates and conditions above. The following adjustments are made depending on the option applicable to the customer.

a. Bundled Service Customers receive supply and delivery services solely from Edison. The Customer's bill is based on the total rates set forth above. The Power Exchange (supply) component is equal to the Averaged Power Exchange (PX) Energy Charge as set forth in Schedule PX.

b. Direct Access Customers purchase energy from an Energy Service Provider and continue receiving delivery services from Edison. The Averaged PX Energy Charge is determined as specified for a Bundled Service Customer. The customer's bill will be calculated as for a Bundled Service Customer, but the Customer will receive a credit for the Averaged PX Energy Charge. If the Averaged PX Energy Charge is greater than the amount of the Bundled Service bill, the minimum bill for a Direct Access Customer is zero.

(To be inserted by utility)

Advice 1309-E
Decision 97-12-098

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(To be inserted by Cal. PUC)
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Rule 1
DEFINITIONS

Sheet 4

(Continued)

Departing Load: Departing Load is that portion of an SCE's customer's electric load for which the customer, on or after December 20, 1995:

1. discontinues or reduces its purchase of electricity supply and delivery services from SCE; and
2. purchases or consumes electricity supplied and delivered by sources other than SCE to replace such SCE purchases; and
3. remains physically located at the same location or within SCE's service area as it existed on December 20, 1995.

The definition of Departing Load specifically does not include:

1. a customer's load that moves to a new location outside SCE's service area as it existed on December 20, 1995;
2. a customer's load that is no longer served with electricity from any source; or
3. a new customer that, after January 1, 1998, locates new load in SCE's service territory, provided that it does not purchase electricity from SCE nor uses SCE's transmission or distribution system (either directly or indirectly through a third party) to supply electricity to its load, unless the load is served by transmission or distribution facilities which are owned or operated by a local publicly-owned electrical corporation formed after December 20, 1995 or were acquired from SCE by annexation by a local publicly-owned electrical corporation that was in existence as of December 20, 1995.

When an SCE retail customer that purchased electricity from SCE on or after December 20, 1995, subsequently replaces such SCE purchases with purchases from an entity that supplies such retail customer using SCE's transmission and/or distribution system (other than through a Direct Transaction), that load is classified as Departing Load for that portion of its requirements that are purchased through such an alternative supplier.

Direct Access: A service option where the customer obtains its electric power and ancillary services from an Energy Service Provider.

Direct Transaction: A contract between any one or more electric generators, marketers, or brokers of electric power and one or more End-Use Customers providing for the purchase and sale of electric power and ancillary services. Direct Transaction may also be referred to as Direct Access.

Distribution Line Extension: New distribution facilities of SCE that is a continuation of, or branch from, the nearest available existing permanent Distribution Line (including any facility rearrangements and relocations necessary to accommodate the Distribution Line Extension) to the point of connection of the last service. SCE's Distribution Line Extension includes transmission underbuilds and converting an existing single-phase line to three-phase in order to furnish three-phase service to an Applicant, but excludes service transformers, meters and services.

(N)
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(N)

Distribution Lines: Overhead and underground facilities which are operated at distribution voltages, and which are designed to supply two (2) or more services.

Distribution System: Those non-ISO transmission and distribution facilities owned, controlled, and operated by SCE that are used to provide distribution service under the tariffs.

(Continued)

(To be inserted by utility)
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Rule 1
DEFINITIONS

Sheet 6

(Continued)

General Service: Service to any lighting or power installation except those eligible for service on single-family and multifamily domestic, street lighting, outdoor area lighting, traffic control, resale, or standby schedules. No customer for whom a single-family or multifamily schedule is applicable may transfer to or newly take service under a general service schedule. Domestic service which is on a separate meter from a single-family or multifamily dwelling shall be served under a general service schedule.

Heating Service: Service to any apparatus employing the resistance of conductors to transform electric energy into heat.

Hourly Metering: See Interval Metering.

Housing Project: A building or group of buildings located on a single premises and containing residential dwelling units for which master metering of electric service at one location has been installed in accordance with tariffs in effect at the time of installation.

Independent System Operator (ISO): The California Independent System Operator Corporation, a nonprofit corporation that controls the transmission facilities of all participating transmission owners and dispatches certain generating units and loads. The ISO is responsible for the operation and control of the statewide transmission grid.

Independent Verification Agent (IVA): An agent who verifies a change in Direct Access service in accordance with Public Utilities Code Sections 366(d) and 366(e).

Industrial Developments: Consist of two or more enterprises engaged in a process which creates a product or changes materials into another form or product.

Intermittent Service: Service which, in the opinion of SCE, is subject to discontinuance for a time or at intervals.

Interval Metering: A metering device capable of recording minimum data required. Minimum data requirements include (a) hourly data required for the Direct Access settlement process; and (b) data required to bill SCE's distribution tariffs including 15-minute demand data. Also referred to as Hourly Metering.

Lighting Service: Service to any apparatus transforming electric energy into light for all visual purposes except those specified under "Power Service."

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(Continued)

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Rule 1
DEFINITIONS

Sheet 12

(Continued)

Rules: Tariff sheets which set forth the application of all rates, charges, and service when such applicability is not set forth in and as part of the rate schedules.

SCE: Southern California Edison (See Company, Edison, or Utility).

Scheduling Coordinator (SC): An entity certified by the Federal Energy Regulatory Commission that acts as a go-between with the ISO on behalf of generators, supply aggregators (wholesale marketers), retailers, and customers to schedule the supply and consumption of electricity.

Seasonal Service: Service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages or other part-time establishments.

Separate SCE/ESP Billing: A situation in which SCE and an Energy Service Provider each bill a customer separately for their own services.

Service Account: For Direct Access, the Service Account is where electric power and ancillary services are delivered and recorded (metered) for billing purposes. See also the definition of "CSS".

Service Wires or Connection: The group of conductors, whether overhead or underground, necessary to connect the service entrance conductors of the customer to SCE's supply line, regardless of the location of SCE's meters or transformers. An overhead service connection, sometimes referred to as a "service drop," is the group of conductors between the customer's building or other permanent support and SCE's adjacent pole.

Service Extension: The overhead and underground primary or secondary facilities (including, but not limited to SCE-owned Service Facilities and Applicant-owned service facilities) extending from the point of connection at the Distribution Line to the Service Delivery Point. When an underground Service Extension is supplied from a SCE-designated overhead pole, the beginning point of connection to SCE's Distribution Line shall be where the Service Extension is connected to SCE's overhead Distribution Line conductors. (T)

Single Enterprise: A separate business or other individual activity carried on by a customer. The term does not apply to associations or combinations of customers.

Single-family Dwelling or Accommodation: A house, an apartment, a flat, or any other permanent residential dwelling which contains cooking facilities (not necessarily electric) and which is used as a residence by a single family. (T)

Small Customer/Applicant: Applicants for service and customers served under Domestic Rate Schedules and Schedules GS-1, TOU-GS-1, TOU-EV-3, PA-1, AL-1, LS-1, LS-2, LS-3, OL-1, and TC-1.

Small Commercial Customer: Customers served under Schedules GS-1, TOU-GS-1, and TOU-EV-3.

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Rule 13
TEMPORARY SERVICE

Sheet 1

A. Establishment of Temporary Service. SCE shall, if no undue hardship to its existing customers will result therefrom, furnish temporary service under the following conditions:

1. The applicant shall pay, in advance or otherwise as required by SCE, the estimated cost installed plus the estimated cost of removal, less the estimated salvage of the facilities necessary for furnishing service.
2. The applicant shall establish credit as required by Rule 6, except that the amount of deposit prescribed in Rule 7 shall not exceed the estimated bill for the duration of service.

B. Applicant Design.

Applicant may elect to use the applicant design option to design that portion of the temporary facilities normally designed by SCE in accordance with the same applicant design provisions outlined in Rule 15, except that all charges and refunds shall be made under the provisions of this Rule.

C. Change to Permanent Status.

1. A customer will retain temporary status as long as SCE deems the facilities to be speculative in character, of questionable permanency, or where it is known in advance that service will be of limited duration.
2. If at any time the character of a temporary customer's operations changes so that in the opinion of SCE the customer may be classified as permanent, the amount of payment made in excess of that required for permanent service immediately shall be refunded to the customer in accordance with Section D following.

D. Refunds.

The amount of refund upon reclassification of a customer from temporary to permanent will be made on the basis of the extension rule in effect at the time temporary service is reclassified to permanent.

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Rule 15
DISTRIBUTION LINE EXTENSIONS

Sheet 1

APPLICABILITY:

This rule is applicable to extension of electric Distribution Lines^{1/} of SCE's standard voltages (less than 50 kV) necessary to furnish permanent electric service to Applicants, and will be made in accordance with the following provisions:

A. GENERAL

1. DISTRIBUTION LINE EXTENSION BASIS

- a. DESIGN. SCE will be responsible for planning, designing, and engineering Distribution Line Extensions using SCE's standards for material, design, and construction. Applicant may elect to design that portion of the new Distribution Line Extension normally designed by SCE in accordance with the applicant design provisions of this rule.
- b. OWNERSHIP. The Distribution Line Extension facilities installed under the provisions of this rule, shall be owned, operated, and maintained by SCE, except for Substructures and enclosures that are on, under, within, or part of a building or structure.
- c. PRIVATE LINES. SCE shall not be required to serve any Applicant from Distribution Line Extension facilities that are not owned, operated, and maintained by SCE.

2. DISTRIBUTION LINE EXTENSION LOCATIONS

- a. RIGHTS OF WAY. SCE will own, operate and maintain Distribution Line Extension facilities only:
 - (1) along public streets, alleys, roads, highways and other publicly dedicated ways and places which SCE has the legal right to occupy (Franchise Areas), and
 - (2) on public lands and private property across which rights of way and permits satisfactory to SCE may be obtained without cost to or condemnation by SCE.
- b. NORMAL ROUTE OF LINE. The length and normal route of a Distribution Line Extension will be determined by SCE and considered as the distance along the shortest, most practical, available, and acceptable route which is clear of obstructions from SCE's nearest permanent and available distribution facility to the point from which the service facilities will be connected.

^{1/}Certain words beginning with capital letters are defined either within the provisions of this rule or in Section J.

(Continued)

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Rule 15
DISTRIBUTION LINE EXTENSIONS

Sheet 2

(Continued)

A. GENERAL. (Continued)

3. UNDERGROUND DISTRIBUTION LINE EXTENSIONS

- a. UNDERGROUND REQUIRED. Underground Distribution Line Extensions shall be installed where required to comply with applicable laws and ordinances or similar requirements of governmental authorities having jurisdiction and where SCE maintains or desires to maintain underground distribution facilities. For example, underground Distribution Line Extensions are required for all new: (1) Residential Subdivisions (except as provided for in Section H), (2) Residential Developments, (3) Commercial Developments, (4) Industrial Developments, and (5) locations that are in proximity to and visible from designated Scenic Areas.
 - b. UNDERGROUND OPTIONAL. When requested by Applicant and agreed upon by SCE, underground Distribution Line Extensions may be installed in areas where it is not required, as provided in Section A.3.a.
4. OVERHEAD DISTRIBUTION LINE EXTENSIONS. Overhead Distribution Line Extensions may be installed only where underground extensions are not required as provided in Section A.3.a.
 5. SPECIAL OR ADDED FACILITIES. Any special or added facilities SCE agrees to install at the request of Applicant will be installed at Applicant's expense in accordance with Rule 2, Description of Service.
 6. TEMPORARY SERVICE. Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13, Temporary Service.
 7. SERVICES. Service facilities connected to the Distribution Lines to serve an Applicant's premises will be installed, owned and maintained as provided in Rule 16, Service Extensions.
 8. CONVERSIONS OF OVERHEAD TO UNDERGROUND. The replacement of existing overhead Distribution Lines with underground Distribution Lines will be made in accordance with Rule 20, Replacement of Overhead With Underground Electric Facilities.
 9. STREET LIGHTS. Street lights and appurtenant facilities shall be installed in accordance with the service provisions of the applicable street light schedule.

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(To be inserted by utility)

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Rule 15
DISTRIBUTION LINE EXTENSIONS

Sheet 3

(Continued)

A. GENERAL. (Continued)

10. **CONTRACTS.** Each Applicant requesting a Distribution Line Extension may be required to execute a written contract(s), prior to SCE performing its work on the Distribution Line Extension. Such contracts shall be in the form on file with the California Public Utilities Commission (Commission).

B. INSTALLATION RESPONSIBILITIES

1. UNDERGROUND DISTRIBUTION LINE EXTENSIONS

- a. **APPLICANT RESPONSIBILITY.** In accordance with SCE's design, specifications, and requirements, Applicant is responsible for:

- (1) **EXCAVATION.** All necessary trenching, backfilling, and other digging as required;
- (2) **SUBSTRUCTURES AND CONDUITS.** Furnishing, installing, and upon acceptance by SCE, conveying to SCE ownership of all necessary installed Substructures and Conduits, including Feeder Conduits and related Substructures required to extend to and within subdivisions and developments; and
- (3) **PROTECTIVE STRUCTURES.** Furnishing, installing, and upon acceptance by SCE, conveying to SCE ownership of all necessary Protective Structures.

- b. **SCE RESPONSIBILITY.** SCE is responsible for furnishing and installing cables, switches, transformers, and other distribution facilities required to complete the Distribution Line Extension.

2. **OVERHEAD DISTRIBUTION LINE EXTENSIONS.** SCE is responsible for furnishing and installing all facilities required for the Distribution Pole Line Extension.

3. INSTALLATION OPTIONS

- a. **SCE-PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, SCE may perform that portion of the new Distribution Line Extension work normally installed by Applicant according to Section B.1.a., provided Applicant pays SCE its total estimated installed cost.
- b. **APPLICANT-PERFORMED WORK.** Applicant may elect to install that portion of the new Distribution Line Extension normally installed by SCE in accordance with SCE design and specifications, using qualified contractors. (See Section G, Applicant-Installation Options).

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(To be inserted by utility)

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Rule 15
DISTRIBUTION LINE EXTENSIONS

Sheet 4

(Continued)

C. DISTRIBUTION LINE EXTENSION ALLOWANCES

1. GENERAL. SCE will complete a Distribution Line Extension without charge provided SCE's total estimated installed cost does not exceed the allowances from permanent, bona-fide loads to be served by the Distribution Line Extension within a reasonable time, as determined by SCE. The allowance will first be applied to the Service Extension in accordance with Rule 16. Any excess allowance will be applied to the Distribution Line Extension to which the Service Extension is connected.

2. BASIS OF ALLOWANCES. Allowances shall be granted to an Applicant for Permanent Service, or to an Applicant for a subdivision or development under the following conditions:
 - a. SCE is provided evidence that construction will proceed promptly and financing is adequate, and
 - b. Applicant has submitted evidence of building permit(s) or fully-executed home purchase contract(s) or lease agreement(s), or
 - c. Where there is equivalent evidence of occupancy or electric usage satisfactory to SCE.

The allowances in Sections C.3 and C.4 are based on a revenue-supported methodology using the following formula:

$$\text{ALLOWANCE} = \frac{\text{NET REVENUE}}{\text{COST OF SERVICE FACTOR}}$$

3. RESIDENTIAL ALLOWANCES. The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Residential Service is \$1406 per meter or residential dwelling unit.

4. NON-RESIDENTIAL ALLOWANCES. The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Non-Residential Service is determined by SCE using the formula in Section C.2.

Where the Distribution Line Extension will serve a combination of residential and non-residential meters, residential allowances will be added to non-residential allowances.

5. SEASONAL, INTERMITTENT, EMERGENCY AND INSIGNIFICANT LOADS. When an Applicant requests service that requires a Distribution Line Extension to serve loads that are Seasonal or Intermittent, the allowance for such loads shall be determined using the formula in Section C.2. No allowance will be provided where service is used only for emergency purposes, or for Insignificant Loads.

(Continued)

(To be inserted by utility)

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Rule 15
DISTRIBUTION LINE EXTENSIONS

Sheet 5

(Continued)

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT

1. GENERAL. Contributions or Advances by an Applicant to SCE for the installation of a Distribution Line Extension to receive SCE service consists of such things as cash payments, the value of facilities deeded to SCE, and the value of Excavation performed by Applicant.
2. SCE UNIT COST. SCE's total estimated installed cost to complete the Distribution Line Extension to supply residential loads will be determined by multiplying the length of the overhead Distribution Pole Line footage and underground Distribution Trench Footage times the applicable costs per foot, published periodically by SCE (published unit cost). The published unit cost is applicable where the project-specific estimated cost of the installation is within two (2) times the unit cost estimate.
3. PROJECT-SPECIFIC COST ESTIMATES. Where the unit cost is not applicable, SCE's total estimated installed cost will be based on a project-specific estimated cost.
4. CASH ADVANCE. A cash Advance will be required only if Applicant's excess allowance is less than SCE's total estimated installed cost to complete a Distribution Line Extension.
5. TAX. All contributions and Advances by Applicant are taxable and shall include an Income Tax Component of Contribution (ITCC) at the rate provided in SCE's Preliminary Statement. ITCC will be either refundable or non-refundable in accordance with the corresponding contribution.
6. REFUNDABLE AND NON-REFUNDABLE AMOUNTS. Applicant shall contribute or Advance, before the start of SCE's construction, the following:
 - a. UNDERGROUND REFUNDABLE AMOUNT. Applicant's refundable amount is the portion of SCE's total estimated installed cost, including ITCC, to complete the underground Distribution Line Extension (including distribution transformers, and excluding Betterments) that exceeds the amount of Distribution Line Extension allowance determined in Section C for:

(Continued)

(To be inserted by utility)

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Rule 15
DISTRIBUTION LINE EXTENSIONS

Sheet 6

(Continued)

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT. (Continued)

6. REFUNDABLE AND NON-REFUNDABLE AMOUNTS. (Continued)

a. UNDERGROUND REFUNDABLE AMOUNT. (Continued)

- (1) CABLING. The estimated installed cost of any necessary Cabling (including distribution transformers) installed by SCE to complete the underground Distribution Line Extension. This includes the cost of conversion of existing single-phase lines to three-phase lines, if required; plus
- (2) SUBSTRUCTURES. SCE's estimated value of Substructures installed by Applicant and deeded to SCE as required.

b. OVERHEAD REFUNDABLE AMOUNT. Applicant's refundable amount is the portion of SCE's total estimated installed cost, including ITCC, to complete the overhead Distribution Line Extension (including distribution transformers, and excluding Betterments) that exceeds the amount of Distribution Line Extension allowance determined in Section C for:

- (1) POLE LINE. All necessary facilities required for an overhead Distribution Pole Line Extension and, if required, the conversion of existing single-phase lines to three-phase lines; plus
- (2) TRANSMISSION UNDERBUILDS. SCE's total estimated installed cost of the underbuild, where all or a portion of an overhead Distribution Line Extension is to be constructed on existing transmission poles of SCE.

c. NON-REFUNDABLE DISCOUNT OPTION. In lieu of contributing the refundable amount determined in Section D.6.a or D.6.b, Applicant has the option of contributing, on a non-refundable basis, fifty percent (50%) of such refundable amount; plus

d. OTHER NON-REFUNDABLE AMOUNTS. Applicant's non-refundable amount is SCE's estimated value of Excavation, Conduits, and Protective Structures required by SCE for the Distribution Line Extension under Section B.1.a.

7. JOINT APPLICANTS. The total contribution or Advance from a group of Applicants will be apportioned among the members of the group in such manner as they may mutually agree.

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Rule 15
DISTRIBUTION LINE EXTENSIONS

Sheet 7

(Continued)

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT. (Continued)

8. PAYMENT ADJUSTMENTS

- a. CONTRACT COMPLIANCE. If, after six (6) months following the date SCE is first ready to serve residential loads for which allowances were granted, one (1) year for non-residential loads, Applicant fails to take service, or fails to use the service contracted for, Applicant shall pay to SCE an additional contribution or Advance, based on the allowances for the revenue actually generated.
- b. EXCESS FACILITIES. If the loads provided by Applicant(s) results in SCE having installed facilities which are in excess of those needed to serve the actual loads, and SCE elects to reduce such excess facilities, Applicant shall pay SCE its estimated total costs to remove, abandon, or replace the excess facilities, less the estimated salvage of any removed facilities.

E. REFUNDS

- 1. GENERAL. Refunds are based on the allowances and conditions in effect at the time the contract is signed. The allowance in excess of that needed for the Service Extension in accordance with Rule 16, will be refunded to the Distribution Line Extension to which the Service Extension is connected.
- 2. TOTAL REFUNDABLE AMOUNT. The total amount subject to refund is the sum of the refundable amounts made under Section D.6.
- 3. REFUND PERIOD. The total refundable amount is subject to refund for a period of ten (10) years after the Distribution Line Extension is first ready for service.
- 4. RESIDENTIAL. Refunds will be made on the basis of a new customer's Permanent Load which produces additional revenues to SCE. The refund will be deducted from the total refundable amount, and the remaining amount subject to refund represents that portion of the Distribution Line Extension cost not supported by revenues. (See Section E.11 for Series Refunding Provisions.)
- 5. NON-RESIDENTIAL. SCE shall be responsible to review Applicant's actual base annual revenue for the first three years from the date SCE is first ready to serve. Applicant shall be responsible for notifying SCE if new, permanent load is added the fourth through tenth year from the date SCE is first ready to serve. Such review shall determine if additional revenue supports any refunds to Applicant. (See Section E.11 for Series Refunding Provisions.)

(Continued)

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DISTRIBUTION LINE EXTENSIONS

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E. REFUNDS. (Continued)

6. UNSUPPORTED DISTRIBUTION LINE EXTENSION COST. When any portion of a refundable amount has not qualified for a refund at the end of twelve (12) months from the date SCE is first ready to serve, Applicant will pay to SCE an Ownership Charge on the remaining refundable balance. Monthly ownership costs are in addition to the refundable amount and will normally be accumulated and deducted from refunds due to Applicant. This provision does not apply to individual residential Applicants.
7. REFUND TIMING. Refunds will be made without interest within ninety (90) days after the date of first service to new permanent loads, except that refunds may be accumulated to a \$50 minimum or the total refundable balance, if less than fifty dollars (\$50).
8. MAXIMUM REFUND. No refund shall be made in excess of the refundable amount nor after a period of ten (10) years from the date SCE is first ready to serve. Any unrefunded amount remaining at the end of the ten-year period shall become property of SCE.
9. PREVIOUS RULES. Refundable amounts contributed or Advanced under conditions of a rule previously in effect will be refunded in accordance with the provisions of such earlier rule.
10. JOINT APPLICANTS. When two (2) or more parties make joint contributions or Advances on the same Distribution Line Extension, refunds will be distributed to these parties in the same proportion as their individual contributions or Advances bear to the total refundable amount, or as they mutually agree.
11. SERIES OF DISTRIBUTION LINE EXTENSIONS. Where there is a series of Distribution Line Extensions, commencing with a Distribution Line Extension having an outstanding amount subject to refund, and each Distribution Line Extension is dependent on the previous Distribution Line Extension as a direct source of supply, a series refund will be made as follows:
 - a. Additional service connections supplied from a Distribution Line Extension on which there is a refundable amount will provide refunds first to the Distribution Line Extension to which they are connected; and
 - b. When the amount subject to refund on a Distribution Line Extension in a series is fully refunded, the excess refundable amount will provide refunds to the Distribution Line Extension having the oldest outstanding amount subject to refund in the series.

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G. APPLICANT INSTALLATION OPTIONS

1. COMPETITIVE BIDDING. When Applicant selects competitive bidding, the Distribution Line Extension may be installed by Applicant's qualified contractor or sub-contractor in accordance with SCE's design and specifications. Under this option, the following applies:
 - a. Once Applicant chooses competitive bidding, the choice is final.
 - b. SCE's total estimated installed project-specific cost will apply regardless of whom Applicant selects to perform the installation.
 - c. Upon acceptance by SCE, ownership of all such facilities will transfer to SCE.
 - d. Applicant shall pay to SCE, subject to refund, any SCE costs associated with the Distribution Line Extension, including the estimated costs of design, administration, and installation of any additional facilities and labor necessary to complete the Distribution Line Extension.
 - e. SCE's total estimated installation cost is subject to the refund and allowance provisions of the applicable rule.
 - f. Applicant shall pay to SCE, as a non-refundable amount, the cost of inspection.
 - g. Only duly authorized employees of SCE are allowed to connect to, disconnect from, or perform any work upon SCE's facilities.

2. MINIMUM CONTRACTOR QUALIFICATIONS. Applicant's contractor or subcontractor (QC/S) shall:
 - a. Be licensed in California for the appropriate type of work (electrical and general, etc.).
 - b. Employ workmen properly qualified for specific skills required (Qualified Electrical Worker, Qualified Person, etc.) as defined in State of California High Voltage Safety Orders (Title 8, Chapter 4, Subchapter 5, Group 2).
 - c. Comply with applicable laws (Equal Opportunity Regulations, OSHA, EPA, etc.)

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G. APPLICANT INSTALLATION OPTIONS. (Continued)

3. OTHER CONTRACTOR QUALIFICATIONS. An Applicant for service who intends to employ a QC/S also should consider whether the QC/S:
- a. Is technically competent.
 - b. Has access to proper equipment.
 - c. Demonstrates financial responsibility commensurate with the scope of the contract.
 - d. Has adequate insurance coverage (worker's compensation, liability, property damage, etc).
 - e. Is able to furnish a surety bond for performance of the contract, if required.

H. OVERHEAD DISTRIBUTION LINE EXTENSIONS FOR SUBDIVISIONS OR DEVELOPMENTS

1. Overhead Distribution Line Extensions may be constructed in Residential Subdivisions or Developments only where either a. or b. below are found to exist:
- a. The lots within the Residential Subdivision or Development existed as legally described parcels prior to May 5, 1970, and significant overhead lines exist within the subdivision or development.
 - b. The minimum parcel size within the new Residential Subdivision or real estate development, identifiable by a map filed with the local government authority, is three (3) acres and Applicant for the Distribution Line Extension shows that all of the following conditions exist:
 - (1) Local ordinances do not require underground construction;
 - (2) Local ordinances or land use policies do not permit further division of the parcels involved such that parcel sizes less than three (3) acres could be formed;
 - (3) Local ordinances or deed restrictions do not allow more than one single-family dwelling or accommodation on a parcel of less than three (3) acres, or any portion of a parcel of less than three (3) acres;

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H. OVERHEAD DISTRIBUTION LINE EXTENSIONS FOR SUBDIVISIONS OR DEVELOPMENTS.
(Continued)

1. Overhead Distribution Line Extensions may be constructed... (Continued)

b. The minimum parcel size...(Continued)

(4) Exceptional circumstances do not exist which, in SCE's opinion, warrant the installation of underground distribution facilities. Whenever SCE invokes this provision, the circumstances shall be described promptly in a letter to the Commission, with a copy to Applicant for the Distribution Line Extension; and

(5) SCE does not elect to install the Distribution Line Extension underground for its operating convenience. Whenever SCE elects to install the Distribution Line Extension underground for its operating convenience, the extra cost compared with overhead shall be borne by SCE.

I. SPECIAL CONDITIONS

1. FACILITY RELOCATION OR REARRANGEMENT. Any relocation or rearrangement of SCE's existing facilities, at the request of, or to meet the convenience of an Applicant or customer, and agreed upon by SCE, normally shall be performed by SCE. Where new facilities can be constructed in a separate location, before abandonment or removal of any existing facilities, and Applicant requests to perform the new construction work, it can be performed under the applicable provisions of Section G, Applicant Installation Options.

In all instances, SCE shall abandon or remove its existing facilities at the option of SCE. Applicant or customer shall be responsible for the costs of all related relocation, rearrangement and removal work.

2. PERIODIC REVIEW. SCE will periodically review the factors it uses to determine its residential allowances, non-refundable discount option percentage rate, unit cost, and Cost of Service Factor stated in this rule. If such review results in a change of more than five percent (5%), SCE will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes shall be submitted no sooner than six (6) months after the last revision.

Additionally, SCE shall review and submit proposed tariff revisions to implement relevant Commission decisions from other proceedings that affect this rule.

3. EXCEPTIONAL CASES. When the application of this rule appears impractical or unjust to either party or the ratepayers, SCE or Applicant may refer the matter to the Commission for a special ruling or for special condition(s), which may be mutually agreed upon.

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J. DEFINITIONS FOR RULE 15

Advance: Cash payment made to SCE prior to the initiation of any work done by SCE which is not covered by allowances.

Applicant: A person or agency requesting SCE to deliver/supply electric service.

Betterment: Facilities installed by Applicant at the request of SCE in addition to those required under Section B.1.a.

Cabling: Conductors (including cable-in-conduit, if used), connectors, switches, as required by SCE for primary, secondary, and service installations.

Commercial Development: Two (2) or more enterprises engaged in trade or the furnishing of services, (e.g., shopping centers, sales enterprises, business offices, professional offices, and educational or governmental complexes) and located on a single parcel or on two (2) or more contiguous parcels of land.

Conduit: Ducts, pipes or tubes of certain metals, plastics and other materials acceptable to SCE (including pull wires and concrete encasement where required) for the installation and protection of electric wires or cables.

Contribution: In-kind services and the value of all property conveyed to SCE at any time during SCE's work on an extension which is part of SCE's total estimated installed cost of its facilities, or cash payments not covered by Applicant's allowances.

Cost of Service Factor: The factor as stated in Rule 2 that includes taxes, return, depreciation which is applied to the Net Revenue to determine SCE's investment in distribution facilities.

Distribution Line Extension: New distribution facilities of SCE that is a continuation of, or branch from, the nearest available existing permanent Distribution Line (including any facility rearrangements and relocations necessary to accommodate the Distribution Line Extension) to the point of connection of the last service. SCE's Distribution Line Extension includes transmission underbuilds and converting an existing single-phase line to three-phase in order to furnish three-phase service to an Applicant, but excludes service transformers, meters and services.

Distribution Lines: Overhead and underground facilities which are operated at distribution voltages, and which are designed to supply two (2) or more services.

Distribution Trench Footage: The total trench footage used for calculating cabling costs. It is determined by adding the total length of all new and existing trench for the installation of underground primary and secondary Distribution Lines designed to supply two (2) or more services (excluding service trench footage under Rule 16).

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J. DEFINITIONS FOR RULE 15 (Continued)

Excavation: All necessary trenching, backfilling, and other digging to install Distribution Line Extension facilities, including furnishing of any imported backfill material and disposal of spoil as required, surface repair and replacement, landscape repair and replacement.

Feeder Conduit: Conduit for such uses as part of a backbone system to provide for future anticipated load growth outside the subdivision involved, to provide for future anticipated load growth in the existing subdivision and the existing subdivisions in close proximity, to balance loads between substations, to interconnect the service to the subdivision with service to subsequent developments outside the subdivision, and to provide the flexibility and versatility of modifying or supplying emergency backup power to the area involved.

Franchise Area: Public streets, roads, highways, and other public ways and places where SCE has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

Industrial Development: Two (2) or more enterprises engaged in a process which creates a product or changes material into another form or product and located on a single parcel or on two (2) or more contiguous parcels of land.

Insignificant Loads: Small operating loads such as gate openers, valve controls, clocks, timing devices, fire protection equipment, alarm devices, etc.

Intermittent Loads: Loads which, in the opinion of SCE, are subject to discontinuance for a time or at intervals.

Net Revenue: That portion of the total rate that supports SCE's Distribution Line and Service Extension costs and excludes such items as fuel costs, generation, transmission, Competition Transition Charge (CTC), public purpose programs, and other costs that do not support the Distribution Line and Service Extension costs.

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J. DEFINITIONS FOR RULE 15 (Continued)

Ownership Charge: Monthly charge as a percentage rate applied against the outstanding unrefunded refundable balance after twelve (12) months from the date the SCE is first ready to serve. Serves to recover the cost of operating and maintaining customer-financed facilities that are not fully utilized.

Permanent Service: Service which, in the opinion of SCE, is of a permanent and established character. This may be continuous, intermittent, or seasonal in nature.

Pole Line: Poles, cross-arms, insulators, conductors, switches, guy-wires, and other related equipment used in the construction of an electric overhead line.

Protective Structures: Fences, retaining walls (in lieu of grading), sound barriers, posts, or barricades and other structures as required by SCE to protect distribution equipment.

Residential Development: Five (5) or more dwelling units in two (2) or more buildings located on a single parcel of land.

Residential Subdivision: An area of five (5) or more lots for residential dwelling units which may be identified by filed subdivision plans or an area in which a group of dwellings may be constructed about the same time, either by a builder or several builders working on a coordinated basis.

Seasonal Service: Electric service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

Scenic Areas: An area such as a scenic highway, a state or national park or other area determined by a governmental agency to be of unusual scenic interest to the general public. Scenic highways are officially designated under the California Scenic Highway Program established pursuant to Paragraph 320 of the Public Utilities Code and applicable sections of the Streets and Highway Code. State or national parks or other areas of unusual scenic interest to the general public are determined by the appropriate governmental agency. "In proximity to" shall mean within 1,000 feet from each edge of the right-of-way of designated scenic highways and from the boundaries of designated parks and scenic areas. "Visible from" shall mean that overhead distribution facilities could be seen by motorists or pedestrians traveling along scenic highways or visiting parks or scenic areas.

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J. DEFINITIONS FOR RULE 15. (Continued)

Substructures: The surface and subsurface structures which are necessary to contain or support SCE's electric facilities. This includes, but is not limited to, such things as splice boxes, pull boxes, equipment vaults and enclosures, foundations or pads for surface-mounted equipment.

Trenching: See Excavation.

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Rule 16
SERVICE EXTENSIONS

Sheet 1

Applicability: This rule is applicable to both (1) SCE Service Facilities¹ that extend from SCE's Distribution Line facilities to the Service Delivery Point, and (2) service related equipment required of Applicant on Applicant's Premises to receive electric service.

A. General

1. Design. SCE will be responsible for planning, designing, and engineering Service Extensions using SCE's standards for design, materials and construction. Applicant may elect to design that portion of the new Service Extension normally designed by SCE in accordance with the applicant design provisions of Rule 15.
2. Service Facilities. SCE's Service Facilities shall consist of (a) primary or secondary underground or overhead service conductors, (b) poles to support overhead service conductors, (c) service transformers, (d) SCE-owned Metering equipment, and (e) other SCE-owned service related equipment.
3. Ownership of Facilities. Service Facilities installed under the provisions of this rule shall be owned, operated, and maintained by SCE if they are (a) located in the street, road or Franchise Area of SCE, (b) installed by SCE under section D.2 below on Applicant's Premises for the purpose of the delivery of electric energy to Applicant, or (c) installed by Applicant under the provisions of this rule, and conveyed to SCE.
4. Private Lines. SCE shall not be required to connect Service Facilities to or serve any Applicant from electric facilities that are not owned, operated, and maintained by SCE.
5. Special or Added Facilities. Any special or added facilities SCE installs at the request of Applicant, will be installed at Applicant's expense in accordance with Rule 2, Description of Service.
6. Temporary Service Facilities. Service Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13, Temporary Service.
7. Street Lights. Street light services and appurtenant facilities shall be installed in accordance with the service provisions of the applicable street light schedule.

^{1/} Certain words beginning with capital letters are defined either within the provisions of this rule or in Section H.

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A. General. (Continued)

8. Contracts. Each Applicant requesting service may be required to execute a written contract(s) prior to SCE performing its work to establish service. Such contract(s) shall be in the form on file with the California Public Utilities Commission (Commission).
9. Distribution Line Extensions. Whenever SCE's distribution system is not complete to the point designated by SCE where the Service Extension is to be connected to SCE's distribution system, the extension of Distribution Line facilities will be installed in accordance with Rule 15, Distribution Line Extensions.
10. Rights-of-Way. Rights-of-way or easements may be required by SCE to install Service Facilities on Applicant's property to serve only Applicant.
 - a. Service Facilities. If the Service Facilities must cross property owned by a third party to serve Applicant, SCE may, at its option, install such Service Facilities after appropriate rights-of-way or easements, satisfactory to SCE, are obtained without cost to SCE; or
 - b. Distribution Line Extensions. If SCE's facilities installed on Applicant's property, or third-party property, will be or are designed to serve adjacent property, then SCE may, at its option, install its facilities under Rule 15, after appropriate rights-of-way or easements, satisfactory to SCE, are obtained without cost to SCE.
 - c. Clearances. Any necessary rights-of-way or easements for SCE's facilities shall have provisions to maintain legal clearances from adjacent structures.
11. Access to Applicant's Premises. SCE shall at all times have the right to enter and leave Applicant's Premises for any purpose connected with the furnishing of electric service (meter reading, inspection, testing, routine repairs, replacement, maintenance, emergency work, etc.) and the exercise of any and all rights secured to it by law, or under SCE's tariff schedules. These rights include, but are not limited to,
 - a. The use of a SCE-approved locking device, if Applicant desires to prevent unauthorized access to SCE's facilities,

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SERVICE EXTENSIONS

Sheet 3

(Continued)

A. General. (Continued)

11. Access to Applicant's Premises. (Continued)

- b. Safe and ready access for SCE personnel free from unrestrained animals,
- c. Unobstructed ready access for SCE's vehicles and equipment to install, remove, repair, or maintain its facilities, and
- d. Removal of any and all of its property installed on Applicant's Premises after the termination of service.

12. Service Connections. Only personnel duly authorized by SCE are allowed to connect or disconnect service conductors to or from SCE's Distribution Lines, remove SCE-owned service facilities, or perform any work upon SCE-owned existing facilities.

B. Metering Facilities

1. General.

- a. Meter All Usage. Delivery of all electric power and energy will be metered, unless otherwise provided for by SCE's tariff schedules or by other applicable laws.
- b. Meter Location. All meters and associated metering equipment shall be located at some protected location on Applicant's Premises as approved by SCE.

2. Number of Meters. Normally only one meter will be installed for a single-family residence or a single non-residential enterprise on a single Premises, except:

- a. When otherwise required or allowed under SCE's tariff schedules;
- b. At the option of and as determined by SCE, for its operating convenience, consistent with its engineering design; or
- c. When required by law or local ordinance.
- d. When additional services are granted by SCE.

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B. Metering Facilities. (Continued)

2. Number of Meters. (Continued)

A single meter is required for each single enterprise operating in one building or group of buildings or other development on a single Premises such as, but not limited to, a commercial business, school campus, industrial manufacturer, or recreational vehicle park, unless otherwise approved by SCE.

3. Multiple Occupancy. In a building with two or more tenants, or where more than one meter is furnished on the same Premises, the meters normally shall be grouped at one central location, or as otherwise specified by SCE, and each meter position or socket shall be clearly and permanently marked by Applicant, customer, or owner of the Premises to indicate the particular unit, occupancy, or load supplied by it.

a. Residential. For revenue billing, electric service shall be individually metered to every residential unit in a residential building or group of buildings or other development with multiple tenants such as, but not limited to, apartment buildings, mobile home parks, etc., except as may be specified in Rule 18 and applicable rate schedules.

b. Non-Residential. For revenue billing, electric service shall be individually metered to each tenant in a non-residential building or group of buildings or other development on a single Premises with multiple tenants or enterprises (such as, but not limited to, an office building or shopping center complex). Alternative metering arrangements as determined by SCE may be allowed only as specified in Rule 18 and applicable rate schedules.

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(Continued)

C. Service Extensions.

1. General Location. The location of the Service Extension shall extend:
 - a. Franchise Area. From the point of connection at the Distribution Line to Applicant's nearest property line abutting upon any street, highway, road, or right-of-way, along which it already has, or will install distribution facilities, and
 - b. Private Property. On private property, along the shortest, most practical and available route (clear of obstructions) as necessary to reach a Service Delivery Point designated by SCE.
2. Number of Service Extensions. SCE will not normally provide more than one Service Extension, including associated facilities, either overhead or underground for any one building or group of buildings, for a single enterprise on a single Premises, except:
 - a. Tariff Schedules. Where otherwise allowed or required under SCE's tariff schedules; or
 - b. SCE Convenience. At the option of and as determined by SCE, for its operating convenience, consistent with its engineering design for different voltage and phase classification, or when replacing an existing service; or
 - c. Ordinance. Where required by ordinance or other applicable law, for such things as fire pumps, fire alarm systems, etc.
 - d. Other. SCE may charge for additional services provided under this paragraph, as special or added facilities.
3. Underground Installations. Underground Service Extensions will be installed:
 - a. Underground Required. Underground Service Extensions (1) shall be installed where required to comply with applicable tariff schedules, laws, ordinances, or similar requirements of governmental authorities having jurisdiction, and (2) may be necessary as determined by SCE where Applicant's load requires a separate transformer installation of 300 kVa or greater.

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SERVICE EXTENSIONS

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(Continued)

C. Service Extensions. (Continued)

3. Underground Installations. (Continued)

b. Underground Optional. An underground Service Extension may be installed in an area where it is not otherwise required and when requested by Applicant and agreed upon by SCE.

4. Overhead Installations. Overhead Service Extensions are permitted except under the circumstances specified in section C.3.a above.

5. Unusual Site Conditions. In cases where Applicant's building is located a considerable distance from the available Distribution Line or where there is an obstruction or other deterrent obstacle or hazard such as plowed land, ditches, or inaccessible security areas between SCE's Distribution Line and Applicant's building or facility to be served that would prevent SCE from prudently installing, owning, and maintaining its Service Facilities, SCE may at its discretion, waive the normal Service Delivery Point location. In such cases, the Service Delivery Point will be at such other location on Applicant's property as may be mutually agreed upon; or, alternatively, the Service Delivery Point may be located at or near Applicant's property line as close as practical to the available Distribution Line.

D. Responsibilities for New Service Extensions.

1. Applicant Responsibility. In accordance with SCE's design, specifications, and requirements for the installation of Service Extensions, subject to SCE's inspection and approval, Applicant is responsible for:

a. Service Extensions.

(1) Clear Route. Providing (or paying for) a route on any private property that is clear of obstructions which would inhibit the construction of either underground or overhead Service Extensions.

(2) Excavation. All necessary trenching, backfilling, and other digging as required including permit fees.

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D. Responsibilities for New Service Facilities. (Continued)

1. Applicant Responsibility. (Continued)

a. Service Extensions. (Continued)

(3) Conduit and Substructures.

(a) furnishing, installing, owning, and maintaining all Conduits (including pull wire) and Substructures on Applicant's Premises.

(b) installing (or paying for) any Conduits and Substructures in SCE's Franchise Area (or rights-of-way, if applicable) as necessary to install the Service Extension.

(c) conveying ownership to SCE upon its acceptance of those Conduits and Substructures not on Applicant's Premises.

(4) Protective Structures. Furnishing, installing, owning, and maintaining all necessary Protective Structures as specified by SCE for SCE's facilities on Applicant Premises.

b. Applicant's Facility Design and Operation. Applicant shall be solely responsible to plan, design, install, own, maintain, and operate facilities and equipment beyond the Service Delivery Point (except for SCE's metering facilities) in order to properly receive and utilize the type of electric service available from SCE. Refer to Rule 2 for a description, among other things, of:

- (1) Available service delivery voltages and the technical requirements and conditions to qualify for them,
- (2) Customer utilization voltages,
- (3) Load balancing requirements,
- (4) Requirements for installing electrical protective devices,
- (5) Loads that may cause service interference to others, and
- (6) Motor starting limitations.

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D. Responsibilities for New Service Facilities. (Continued)

1. Applicant Responsibility. (Continued)

- c. Required Service Equipment. Applicant shall, at its sole liability, risk, and expense, be responsible to furnish, install, own, maintain, inspect, and keep in good and safe condition, all facilities of any kind or character on Applicant's Premises that are not the responsibility of SCE but are required by SCE for Applicant to receive service. Such facilities shall include but are not limited to the overhead or underground termination equipment, Conduits, service entrance conductors from the Service Delivery Point to the location of SCE's metering facilities, connectors, meter sockets, meter and instrument transformer housing, service switches, circuit breakers, fuses, relays, wireways, metered conductors, machinery and apparatus of any kind or character. Detailed information on SCE's service equipment requirements will be furnished by SCE.
- d. Coordination of Electrical Protective Devices. When, as determined by SCE, Applicant's load is of sufficient size as to require coordination of response time characteristics between Applicant's electrical protective devices (circuit breakers, fuses, relays, etc.) and those of SCE, it shall be Applicant's responsibility to provide such coordination in accordance with Rule 2.
- e. Liability. SCE shall incur no liability whatsoever, for any damage, loss or injury occasioned by:
 - (1) Applicant-owned equipment or Applicant's transmission and delivery of energy or,
 - (2) The negligence, omission of proper protective devices, want of proper care, or wrongful act of Applicant, or any agents, employees, or licensees of Applicant, on the part of Applicant in installing, maintaining, using, operating, or interfering with any such conductors, lines, machinery, or apparatus.

(Continued)

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Rule 16
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Sheet 9

(Continued)

D. Responsibilities for New Service Facilities. (Continued)

1. Applicant Responsibility. (Continued)

f. Facility Tampering. Applicant shall provide a suitable means acceptable to SCE for placing its seals on meter rings and covers of service enclosures and instrument transformer enclosures which protect unmetered energized conductors installed by Applicant. All SCE-owned meters and enclosure covers will be sealed only by SCE's authorized employees and such seals shall be broken only by SCE's authorized employees. However, in an emergency, SCE may allow a public authority or other appropriate party to break the seal. Any unauthorized tampering with SCE-owned seals or connection of Applicant-owned facilities to unmetered conductors at any time is prohibited and is subject to the provisions of Rule 11 for unauthorized use.

g. Transformer Installations on Applicant's Premises. Transformer installations on Applicant's Premises shall be as specified by SCE and in accordance with the following applicable provisions:

(1) Space for Transformers. Applicant shall provide space on Applicant's Premises at a location approved by SCE for a standard transformer installation including any necessary switches, capacitors, and electric protective equipment where required if (a) in an overhead area, SCE determines that the load to be served is such that a separate transformer installation, or (b) if SCE determines that the installation of a padmounted or subsurface transformer of any size is required on Applicant's Premises to serve only Applicant.

(2) Padmounted Equipment. In SCE's standard installation, Applicant shall furnish, install, own, and maintain, at its expense, Substructures and any required Protective Structures as specified by SCE for the proper installation of the transformer, switches, capacitors, etc. as determined by SCE.

(Continued)

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Sheet 10

(Continued)

D. Responsibilities for New Service Facilities. (Continued)

1. Applicant Responsibility. (Continued)

g. Transformer Installations on Applicant's Premises. (Continued)

- (3) Single SCE-Owned Customer Substation. When SCE elects for its operating convenience to supply Applicant from a transmission line and install a SCE-owned substation on Applicant's Premises, Applicant shall furnish, install, own and maintain at its expense the necessary site improvements as specified by SCE for the proper installation of the transformer. Such improvements shall include but are not limited to a concrete pad or foundation, grounding system, fences and gates, access road, grading, and paving as required, etc. Detailed information on SCE's requirements for a single customer substation will be furnished by SCE.
- (4) Transformer Room or Vault. Where Applicant requests and SCE approves the installation of the transformer(s) in a vault or room on Applicant's Premises, rather than SCE's standard padmounted installation,
 - (a) The room or vault on Applicant's Premises shall be furnished, installed, owned, and maintained by Applicant and shall meet SCE's specifications for such things as access, ventilation, drainage, grounding system, etc.
 - (b) If space cannot be provided on Applicant's Premises for the installation of a transformer on either a pad or in a room or vault, a vault will be installed at Applicant's expense in the street near the property line. It shall be Applicant's responsibility to install (or pay for) such vault if not restricted by governmental authority having jurisdiction and Applicant shall convey ownership of the vault to SCE upon its acceptance. The additional facilities shall be treated as special or added facilities under the provisions of Rule 2.
 - (c) If SCE's installed cost for the transformer in the room or vault is more costly than the standard padmounted transformer installation, the additional costs shall be paid by Applicant as special or added facilities.

(Continued)

(To be inserted by utility)

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SERVICE EXTENSIONS

Sheet 11

(Continued)

D. Responsibilities for New Service Facilities. (Continued)

1. Applicant Responsibility. (Continued)

g. Transformer Installations on Applicant's Premises. (Continued)

(5) Transformer Lifting Requirements. Where SCE has installed or agrees to install, transformers at locations where SCE cannot use its standard transformer lifting equipment and special lifting facilities are required to install or remove the transformers on Applicant's Premises, Applicant shall, at its expense, (a) furnish, install, own, and maintain permanent lifting facilities and be responsible for lifting the transformer to and from its permanent position, or (b) provide (or pay for) portable lifting facilities acceptable to SCE for installing or removing the transformers. Rights-of-way and space provisions shall be provided by Applicant such that access and required clearances from adjacent structures can be maintained. SCE may require a separate contract for transformer lifting requirements.

(6) Overhead Transformers. In remote areas or in areas not zoned for residential or commercial use or for underground services, padmounted transformers are preferred for installation on Applicant's Premises however, where SCE determines that it is not practical to install a transformer on a pad, in a room or vault, SCE may furnish a pole-type structure for an installation not exceeding 500 kVA.

h. Building Code Requirements. Any service equipment and other related equipment owned by Applicant, as well as any vault, room, enclosure, or lifting facilities for the installation of transformers shall conform with applicable laws, codes, and ordinances of all governmental authorities having jurisdiction.

i. Reasonable Care. Applicant shall exercise reasonable care to prevent SCE's Service Extension, other SCE facilities, and meters owned by SCE or others on the Applicant's Premises from being damaged or destroyed, and shall refrain from interfering with SCE's operation of the facilities and shall notify SCE of any obvious defect. Applicant may be required to provide and install suitable mechanical protection (barrier posts, etc.) as required by SCE.

(Continued)

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Rule 16
SERVICE EXTENSIONS

Sheet 12

(Continued)

D. Responsibilities for New Service Facilities. (Continued)

2. SCE Responsibility.

a. Service, Meter, and Transformer. SCE will furnish, install, own, and maintain the following Service Facilities as applicable after Applicant meets all requirements to receive service:

- (1) **Underground Service.** A set of service conductors to supply permanent service from the Distribution Line source to the Service Delivery Point approved by SCE.
- (2) **Riser Materials.** Any necessary pole riser material for connecting underground services to an overhead Distribution Line.
- (3) **Overhead Service.** A set of overhead service conductors and support poles to supply permanent service from a Distribution Line source to a suitable support at the Service Delivery Point approved by SCE. Such support shall be of a type and located such that service wires may be installed in accordance with good engineering practice and in compliance with all applicable laws, ordinances, rules, and regulations including those governing clearances and points of attachment.
- (4) **Metering.** When the meter is owned by SCE, SCE will be responsible for the necessary instrument transformers where required, test facilities, meters, associated metering equipment, and the metering enclosures when SCE elects to locate metering equipment at a point that is not accessible to Applicant.
- (5) **Transformer.** The transformer where required, including any necessary switches, capacitors, electrical protective equipment, etc. When either a padmounted or overhead transformer is installed on Applicant's Premises, the Service Extension shall include the primary conductors from the connection point at the distribution supply line to the transformer and the secondary conductors, if any, from the transformer to the Service Delivery Point.

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SERVICE EXTENSIONS

Sheet 13

(Continued)

D. Responsibilities for New Service Facilities. (Continued)

2. SCE Responsibility. (Continued)

- b. Special Conduit Installations. SCE shall own and maintain service Conduits only if: (1) they are located in the same trench with distribution facilities, and (2) when it is necessary to locate Conduits on property other than that owned by Applicant, as determined by SCE, or as may be required by local authorities.
- c. Cable-In-Conduit. In those cases where SCE elects to install its service conductors using pre-assembled cable-in-conduit (CIC), the conduit portion will be considered a part of the conductor installation provided by SCE.
- d. Government Inspection. SCE will establish electric service to Applicant following notice from the governmental authority having jurisdiction that the Applicant-owned facilities have been installed and inspected in accordance with any applicable laws, codes, ordinances, rules, or regulations, and are safe to energize.

3. Installation Options.

- a. SCE-Performed Work. Where requested by Applicant and mutually agreed upon, SCE may perform that portion of the new Service Extension work normally the responsibility of Applicant according to Section D.1 above provided Applicant pays SCE its estimated installed cost.
- b. Applicant-Performed Work. Applicant may elect to use competitive bidding to install that portion of the new Service Extension normally installed and owned by SCE in accordance with the same provisions outlined in Rule 15.

E. Allowances and Payments by Applicant.

- 1. Allowances. The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Residential and Non-Residential service is determined by SCE in accordance with the provisions of Rule 15, Section C. The allowance will first be applied to the Service Extension. Any excess allowance will be applied to the Distribution Line Extension, in accordance with Rule 15, to which the Service Extension is connected.

(Continued)

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Rule 16
SERVICE EXTENSIONS

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(Continued)

E. Allowances and Payments by Applicant. (Continued)

2. Seasonal, Intermittent, Emergency and Insignificant Loads. When an Applicant requests service that requires a Service Extension to serve loads that are Seasonal or Intermittent, the allowance for such loads shall be determined using the formula in Rule 15. No allowance will be provided where service is used only for emergency purposes, or for Insignificant Loads.
3. Payments. Applicant is responsible to pay SCE the following non-refundable costs as applicable under this rule and in advance of SCE commencing its work:
 - a. Pole Riser. SCE's estimated installed costs of any riser materials on its poles.
 - b. Excess Service. SCE's total estimated installed cost (including appurtenant facilities, such as connectors, service conductors, service transformers, metering equipment, and the conduit portion of CIC cable) in excess of the allowance.
 - c. Tax. Any payments or contribution of facilities by Applicant are taxable Contributions in Aid of Construction (CIAC) and shall include an Income Tax Component of Contribution (ITCC) for state and federal tax at the rate provided in SCE's Preliminary Statement.
 - d. Other. SCE's total estimated installed cost for any work it performs that is Applicant's responsibility or performs for the convenience of Applicant.

F. Existing Service Facilities.

1. Service Reinforcement
 - a. SCE Owned. When SCE determines that its existing Service Facilities require replacement, the existing Service Facilities shall be replaced as a new Service Extension under the provisions of this rule.

(Continued)

(To be inserted by utility)

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Rule 16
SERVICE EXTENSIONS

Sheet 15

(Continued)

F. Existing Service Facilities. (Continued)

1. Service Reinforcement. (Continued)

- b. Applicant-Owned. When SCE determines that existing Applicant-owned service facilities (installed under a prior rule) require replacement, such replacement shall be accomplished under the provisions for a new Service Extension, except that if SCE determines that any portion of Applicant's existing service conductors can be utilized by SCE, Applicant will convey any such usable part to SCE and an appropriate credit by SCE may be allowed to Applicant.

Applicant will replace or reinforce that portion of the Service Extension which Applicant will continue to own under the provisions of this rule for new services.

2. Service Relocation or Rearrangement.

- a. SCE Convenience. When, in the judgment of SCE, the relocation or rearrangement of a service, including SCE-owned transformers, is necessary for the maintenance of adequate service or for the operating convenience of SCE, SCE normally will perform such work at its own expense, except as provided in Sections F.2.b. and F.5.
- b. Applicant Convenience. Any relocation or rearrangement of SCE's existing Service Facilities at the request of Applicant (aesthetics, building additions, remodeling, etc.) and agreed upon by SCE shall be performed in accordance with Section D above except that Applicant shall pay SCE its total estimated costs.

In all instances, SCE shall abandon or remove its existing facilities, at the option of SCE, rendered idle by the relocation or rearrangement.

(Continued)

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SERVICE EXTENSIONS

Sheet 16

(Continued)

F. Existing Service Facilities. (Continued)

3. Impaired Access and Clearances. Whenever SCE determines that:
 - a. Access. Its existing Service Facilities have become inaccessible for inspecting, operating, maintenance, meter reading, or testing, or
 - b. Clearances. A hazardous condition exists or any of the required clearances between the existing Service Facilities and any object becomes impaired under any applicable laws, ordinances, rules, or regulations of SCE or public authorities, then the following applies
 - c. Corrective Action. Applicant or owner shall, at Applicant's or owner's expense, either correct the access or clearance infractions or pay SCE its total estimated cost to relocate its facilities to a new location which is acceptable to SCE. Applicant or owner shall also be responsible for the expense to relocate any equipment which Applicant owns and maintains. Failure to comply with corrective measures within a reasonable time may result in discontinuance of service.
4. Overhead to Underground Service Conversions.
 - a. Rule 20. Where an existing overhead Distribution Line is replaced by an underground distribution system in accordance with Rule 20, Replacement of Overhead With Underground Electric Facilities, new underground services will be installed under Rule 16, Service Extensions.
 - b. Applicant's Convenience. Where overhead services are replaced by underground services for Applicant's convenience, Applicant shall perform all Excavation, furnish and install all Substructures, and pay SCE its total estimated installed cost to complete the new service and remove the overhead facilities.
5. Damaged Facilities. When SCE's facilities are damaged by others, the repair will be made by SCE at the expense of the party responsible for the damage. Applicants are responsible for repairing their own facilities.

(Continued)

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F. Existing Service Facilities. (Continued)

6. Subdivision of Premises. When SCE's Service Facilities are located on private property and such private property is subsequently subdivided into separate Premises with ownership divested to other than Applicant or customer, the subdivider is required to provide SCE with adequate rights-of-way satisfactory to SCE for its existing facilities and to notify property owners of the subdivided Premises of the existence of the rights-of-way.

When adequate rights-of-way are not granted as a result of the property subdivision, SCE shall have the right, upon written notice to Applicant, to discontinue service without obligation or liability. The existing owner, Applicant, or customer shall pay to SCE the total estimated cost of any required relocation or removal of SCE's facilities. A new electric service will be re-established in accordance with the provisions of Section D above for new service and the provisions of any other applicable SCE rules.

G. Exceptional Cases.

When the application of this rule appears impractical or unjust to either party, or ratepayers, SCE or Applicant may refer the matter to the Commission for a special ruling or for approval of special conditions which may be mutually agreed upon.

H. Definitions for Rule 16.

Applicant: A person or agency requesting SCE to supply electric service.

Conduit: Ducts, pipes, or tubes of certain metals, plastics or other materials acceptable to SCE (including pull wires and concrete encasement where required) for the installation and protection of electric wires and cables.

Distribution Lines: SCE's overhead and underground facilities which are operated at distribution voltages as set forth in SCE's Rule 2 and which are designed to supply two (2) or more services.

Excavation: All necessary trenching, backfilling, and other digging as required to install Service Extensions including furnishing of any imported backfill material, concrete encasement to protect conduit, and disposal of spoil as required, surface repair and replacement, landscape repair and replacement.

(Continued)

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SERVICE EXTENSIONS

Sheet 18

(Continued)

H. Definitions for Rule 16. (Continued)

Franchise Area: Public streets, roads, highways, and other public ways and places where SCE has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

Insignificant Loads: Small operating loads such as gate openers, valve controls, clocks, timing devices, fire protection equipment, alarm devices, etc.

Intermittent Loads: Loads which, in the opinion of SCE, are subject to discontinuance for a time or at intervals.

Premises: All of the real property and apparatus employed in a single enterprise on an integral parcel of land undivided, excepting in the case of industrial, agricultural, oil field, resort enterprises, and public or quasi-public institutions, by a dedicated street, highway or public thoroughfare or a railway. Automobile parking lots constituting a part of and adjacent to a single enterprise may be separated by an alley from the remainder of the Premises served.

Protective Structures: Fences, retaining walls (in lieu of grading), sound barriers, posts, barricades and other structures as required by SCE.

Seasonal Service: Electric service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

Service Delivery Point: Where SCE's Service Facilities are connected to either Applicant's conductors or other service termination facility designated and approved by SCE.

Service Extension: The overhead and underground primary or secondary facilities (including, but not limited to SCE-owned Service Facilities and Applicant-owned service facilities) extending from the point of connection at the Distribution Line to the Service Delivery Point. When an underground Service Extension is supplied from a SCE-designated overhead pole, the beginning point of connection to SCE's Distribution Line shall be where the Service Extension is connected to SCE's overhead Distribution Line conductors.

Substructures: The surface and subsurface structures which are necessary to contain or support SCE's electric facilities. This includes but is not limited to splice boxes, pull boxes, equipment vaults and enclosures, foundations or pads for surface-mounted equipment.

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Rule 20 Sheet 6
REPLACEMENT OF OVERHEAD WITH UNDERGROUND ELECTRIC FACILITIES

(Continued)

B. (Continued)

2. The applicant has:

- a. Furnished and installed the pads and vaults for transformers and associated equipment, conduits, ducts, boxes, pole bases and performed other work related to structures and substructures including breaking of pavement, trenching, backfilling, and repaving required in connection with the installation of the underground system, all in accordance with SCE's specifications, or, in lieu thereof, paid SCE to do so;
- b. Transferred ownership of such facilities, in good condition, to SCE; and
- c. Paid a nonrefundable sum equal to the excess, if any, of the estimated costs, including transformers, meters, and services, of completing the underground system and building a new equivalent overhead system.

3. The area to be undergrounded includes both sides of a street for at least one block or 600 feet, whichever is the lesser, and all existing overhead communication and electric distribution facilities within the area will be removed.

C. In circumstances other than those covered by A or B above, when mutually agreed upon by SCE and an applicant, overhead electric facilities may be replaced with underground electric facilities, provided the applicant requesting the change pays, in advance, a non-refundable sum equal to the estimated cost of the underground facilities less the estimated net salvage value and depreciation of the replaced overhead facilities. Underground services will be installed and maintained as provided in SCE's rules applicable thereto.

D. The term "underground electric system" means an electric system with all wires installed underground, except those wires in surface mounted equipment enclosures.

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Southern California Edison
Rosemead, California

Revised Cal. PUC Sheet No. 24719-E*
Cancelling Original Cal. PUC Sheet No. 19408-E

Sheet 0

CONTRACT FOR EXTENSION OF ELECTRIC DISTRIBUTION LINE

RULE 15

FORM 16-330

(To be inserted by utility)

Advice 1309-E

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Southern California Edison
Rosemead, California

Revised Cal. PUC Sheet No. 24720-E*
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Sheet 0

CONTRACT FOR EXTENSION OF ELECTRIC DISTRIBUTION LINE

RULE 15

INSTALLATION BY APPLICANT

FORM 16-331

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(To be inserted by utility)

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Senior Vice President

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(To be inserted by utility)

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(To be inserted by utility)

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Senior Vice President

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June 19, 1998

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

Attn: Juanita Porter
Energy Division

Re: Substitute Sheets for Advice 1309-E

Dear Ms. Porter:

On June 11, 1998, SCE submitted substitute sheets for Advice 1309-E. One of the items submitted was a correction to Section 3.7 of Form Nos. 16-330 and 16-331. Section 3.7 was revised to correct a supposed typographical error. However, upon further review and analysis, the original text was correct and is hence being left in its original filed form. Therefore, please remove the page containing Section 3.7 of Form Nos. 16-330 and 16-331 from SCE's June 11, 1998 substitute sheet package.

If you have any questions, please contact Dara Morgan at (626) 302-2086.

Sincerely,

Enclosures
DMS1309eSUB.doc

cc: Line Extension Short Service List R.92-03-050(S)

July 6, 1998

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

Attn: Juanita Porter
Energy Division

Re: Substitute Sheets for Advice 1309-E

Dear Ms. Porter:

Enclosed are Attachment A and substitute Sheet Nos. 24683-E*¹ and 24685-E* for Advice Letter 1309-E. The enclosed substitute sheets are necessary to revise the following typographical errors:

- Sheet No. 24683-E*, Rule 13, Section C.2 is revised to reference "Section D following" rather than "Section C following."
- Sheet No. 24685-E*, Rule 15, Section A.3.a is revised to reference "Section H" rather than "Section G."

Please replace the enclosed sheets in your master Advice Letter 1309-E file. If you have any questions, please contact Dara Morgan at (626) 302-2086.

Sincerely,

Enclosures
DMS1309ESB2.doc

cc: Line Extension Short Service List R.92-03-050(S)

¹ Asterisk denotes substituted sheet.