



Rule 29
ELECTRIC VEHICLE INFRASTRUCTURE

Sheet 1

A. APPLICABILITY

This Rule is applicable to all Electrical Distribution Infrastructure or Electric Vehicle (EV) Service Extensions on the utility side of the meter for all Customers or Applicants, excluding single-family residences, installing separately metered infrastructure to exclusively support Charging Stations for EV. For purposes of this Rule, Electrical Distribution Infrastructure includes EV Service Extensions as defined in Sections B.3 and I of this Rule.¹

This Rule is not applicable to Applicants who intend to participate in any of SCE's current Charge Ready Programs, such as Charge Ready Transport Program, Charge Ready 2, Charge Ready Schools, and Charge Ready Parks, authorized by the California Public Utilities Commission (CPUC) prior to the effective date of this Rule. (T)

This Rule is not applicable to Distribution Line Extensions. Distribution Line Extensions required by Applicant to receive service under this Rule shall be installed pursuant to and in accordance with Rule 15, Distribution Line Extensions. This Rule does not establish a customer allowance for Distribution Line Extensions and does not determine whether the Applicant is eligible for an allowance under Rule 15. If an Applicant requires Rule 15 work to receive service under this Rule, then a Rule 15 allowance shall be calculated for the Applicant pursuant to the requirements set forth in Rule 15. (N)

The CPUC may begin an evaluation of Rule 29 no later than 2025 and may make modifications that would go into effect after the completion of SCE's next GRC cycle ending in 2028. (N)

Eligibility. To be eligible for this Rule, Applicant must purchase and install qualified Electric Vehicle Supply Equipment (EVSE) or Charging Stations in the quantity approved by SCE in SCE's sole discretion.² EVSE or Charging Stations will be considered qualified if they meet the safety requirements of the Transportation Electrification Safety Checklist to the extent that they are related to utility-side infrastructure adopted via California Public Utilities Commission Decision (D.) 18-05-040. After SCE has completed all utility-side work, Applicant must install, establish load requirements for, and make operational all customer-side equipment including the EVSE or Charging Stations within 30 business days after the completion of the EV Electric Distribution Infrastructure, or a timeframe agreed upon between SCE and the Applicant not exceeding 180 days. The Applicant is required to notify SCE when the EVSE or Charging Stations are operational. (N)

¹ Certain words beginning with capital letters are defined either within the provisions of this Rule or in SCE's Rule 1.

² All Applicants, including Applicants that are considered as EVSE manufacturers, a proof of commitment to install the EVSE or Charging Station is required. A proof of commitment is any documentation of clear intent to procure and deploy EVSE, including but not limited to a purchase order, budget approval, grant agreement, request for proposal results, governance-body mandated procurement and deployment, approved site plan where the EVSE will be installed, local government permit, etc. (T)

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A. APPLICABILITY (Continued)

Maintenance. Applicant must agree to maintain and operate the EVSE or Charging Stations associated with this Rule for a minimum period of five years. Applicant must remedy any EVSE or Charging Station maintenance issue within 90 days. Failure to comply with these terms may, at SCE's discretion, result in discontinuation of service. In the event of discontinuation of service, Applicant shall reimburse SCE's costs. If any of the EVSE or Charging Stations are not in working condition for one year Applicant shall reimburse all SCE's costs incurred under this Rule to SCE. (L)(T)
(L)(N)

TOU EV Rate. All Applicants taking service through Rule 29 will automatically be enrolled onto an applicable EV time-of-use rate. After discussing their EV charging needs with SCE, the Applicant may opt-out of the EV time-of-use rate for another appropriate time variant rate pursuant to SCE's Rule 12, Section D (Change of Rate Schedule). (N) (L)
(N)

Incidental Load. An exception to the requirement that eligible meters are to be dedicated exclusively to EV charging is that appliances and apparatus that solely serve the overall EV infrastructure of the site and no other use may be included as load on the EV-dedicated meter. The eligible Incidental Load must be limited to devices directly needed to solely support the EV infrastructure and charging uses of the site itself. The added load included on the EV meter must not include load from any non-EV charging infrastructure facilities, appliances or apparatus.

B. GENERAL

1. Design and Installation. SCE will be responsible for planning, designing, engineering and installing the Electrical Distribution Infrastructure using SCE's standards for material, design, and construction. (L)

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B. GENERAL (Continued)

a. Construction and Design Specifications, Standards, Terms, and Conditions for New Extension of Service Project (L)

(1) In compliance with Section 783 of the Public Utilities Code, SCE will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved. (L)

(2) SCE may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:

(a) An order or decision of the CPUC or any other state or federal agency with jurisdiction.

(b) A work order issued by SCE to implement construction or design changes necessitated by a Customer-driven scope of work modification.

(c) A material-related design change identified by SCE to remedy a construction material defect that could pose a risk to public safety.

(3) Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of electric service or the date when SCE first invoices the Customer for the extension of electric service. "Invoice" to mean when SCE presents an offer to the Customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of SCE.

2. Electrical Distribution Infrastructure. Pursuant to Public Utilities Code Section 740.19(b), the term Electrical Distribution Infrastructure shall include poles, vaults, service drops, transformers, mounting pads, trenching, conduit, wire, cable, meters, other equipment as necessary, and associated engineering and civil construction work.

3. EV Service Extension. SCE's EV Service Extension 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.

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B. GENERAL (Continued)

4. Ownership. The Electrical Distribution Infrastructure and EV Service Extension installed under the provision of this Rule shall be owned, operated, and maintained by SCE. (L)
5. Private Lines. SCE shall not be required to serve any Applicant from Distribution Line Extension or EV Service Extension facilities that are not owned, operated, and maintained by SCE. (L)
6. 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 SCE's Rule 2, Description of Service.
7. Contracts. Each Applicant requesting service may be required to execute a written contract(s) prior to SCE performing its work to establish service.
8. Distribution Line Extension. Whenever SCE's distribution system is not complete to the point designated by SCE where the EV 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.
9. Rights-of-Way: Rights-of-way or easements may be required by SCE to install the Electrical Distribution Infrastructure and EV Service Extension, the cost of which will be borne by SCE.
 - a. EV Service Extensions. If the EV Service Extension must cross property owned by a third party to serve the Applicant, then SCE may, at its option, install such EV Service Extension after appropriate rights-of-way or easements, satisfactory to SCE are obtained.
 - 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 after appropriate rights-of-way or easements, satisfactory to SCE, are obtained.
 - c. Clearances. Any necessary rights-of-way or easements for SCE's facilities shall have provision to maintain legal clearances from adjacent structures.
10. Environmental Studies or Issue Mitigation. Environmental studies or issue mitigation may be required by SCE to install the Electrical Distribution Infrastructure and EV Service Extension, the cost of which will be borne by the Applicant.

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B. GENERAL (Continued)

11. Access to Applicant's Premises. SCE shall have the right to enter and leave Applicant's Premises for Non-Emergency purposes connected with the furnishing of electric service (e.g. meter reading, inspection, testing, routine repairs, replacement, maintenance, vegetation management, etc.). When necessary, SCE will make prior arrangements with Applicant for gaining access to Applicant's Premises. For Emergency purposes only, SCE may enter Applicant's Premises at all times, without notice to Applicant, and may exercise any and all rights secured to it by law, or under SCE's tariffs. 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 his/her property containing SCE's facilities;
 - b. Safe and ready access for SCE personnel free from unrestrained animals; and
 - c. Unobstructed ready access for SCE's vehicles and equipment to install, remove, repair, or maintain its facilities, and 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 meters unless as allowed under Rule 22, Direct Access, remove SCE-owned Electrical Distribution Infrastructure and EV Service Extension, or perform any work upon SCE-owned existing facilities. Installation of automated load management software pursuant to the Load Control Management System Pilot and passive, non-electrically connected monitoring devices on or near the meter by non-SCE personnel is permitted. Customer is fully responsible for damage to SCE Facilities resulting from the installation of such device. SCE may remove such device if the device creates a safety hazard, interferes with meter functionality or meter reading procedures, and/or if it is necessary to permit work upon SCE-owned facilities, including the meter. SCE is not responsible for validating any data produced from these devices. (T)

13. General Location. The location of the Electrical Distribution Infrastructure and EV 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. (T)

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B. GENERAL (Continued)

- 14. Limitation: The length and normal route of the Electrical Distribution Infrastructure and EV Service Extension will be determined by SCE according to its planning, designing, and engineering standards and considered as the distance along the shortest or most practical, available and acceptable route. (T)
- 15. Utilizing Existing Service: As default, SCE will utilize existing service where technically feasible and cost efficient, targeting the lowest lifetime costs for SCE ratepayers including maintenance and eventual provision and consideration for vehicle-to-grid use cases. (N)
- 16. Future Proofing and Buildout of Additional Capacity: When an Applicant requests and SCE agrees to install additional EV Infrastructure beyond the capacity needed to support the EVSE that the Applicant plans to install at the time of taking service under Rule 29, the Applicant is required to execute a signed commitment to install the additional planned EVSE in the future, which includes but not limited to the approximate number of EVSE and the expected timeframe for the installation. SCE shall match the capacity of the installed EV Electric Distribution Infrastructure to the capacity of the electrical panel installed by Applicant at the time of taking service. (N)

C. METERING

- 1. General: The meter and associated metering equipment installed under this Rule shall solely serve the EV load and Incidental Load directly needed to solely support the EV infrastructure and charging uses of the site itself.
 - 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.
 - c. Meter Ownership. SCE shall own and maintain all meters and associated metering equipment unless otherwise allowed by SCE's tariffs.
- 2. Number of Meters. Only one meter will be installed for a single non-residential enterprise on a single Premises, except:
 - a. When otherwise required or allowed under SCE's tariffs;
 - b. At the option of and as determined by SCE, for its operating convenience, consistent with its engineering design;
 - c. When required by law or local ordinance; or
 - d. When additional services are granted by SCE.

(L)

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C. METERING (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.

Where electricity is furnished for Electric Vehicle (EV) charging, a Customer may use an EV submeter to measure EV charge load, and ancillary EV charge service (i.e., demand response, vehicle-grid integration, etc.). All EV submeters must meet the requirements established in Decision 22-08-024, Decision Adopting Plug-in Electric Vehicle Submetering Protocol and Electric Vehicle Supply Equipment Communication Protocols. (N)

D. EV SERVICE EXTENSIONS

1. Number of EV Service Extensions. SCE will not normally provide more than one EV 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. Tariffs. Where otherwise allowed or required under SCE's tariffs;
- 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;
- c. Ordinance. Where required by ordinance or other applicable law, for such things as fire pumps, fire alarm systems, etc.; or
- d. Other. SCE may charge for additional services provided under this paragraph, as special or added facilities.

2. Underground Installations.

a. Underground Required: Underground EV 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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- 2. Underground Installations (Continued) (T)
 - b. Underground Optional. An underground EV Service Extension may be installed in an area where it is not otherwise required and when requested by Applicant and agreed upon by SCE. The cost of which will be paid for by the Applicant. (L)
 - c. Beginning August 2, 2010, SCE will no longer accept requests under the Added Facilities provision of Rule 2, Section H, for underground distribution systems that call for specified pieces of electrical equipment to be installed in below-ground structures in circumstances where it is technically feasible to install the equipment above ground. See SCE's Rule 2, Section H.4, for more details. (L)
- D. EV SERVICE EXTENSIONS (Continued)
 - 3. Overhead Installations. Overhead EV Service Extensions are permitted except under the circumstances specified in Section D.2.a above.
 - 4. 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 EV Service Extensions, 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.
- E. RESPONSIBILITIES FOR NEW ELECTRIC DISTRIBUTION INFRASTRUCTURE AND EV SERVICE EXTENSION
 - 1. SCE Responsibilities. In accordance with SCE's design, specifications, and requirements for the installation of Electric Distribution Infrastructure and EV Service Extensions, SCE is responsible for the following including any costs:
 - a. Excavation. All necessary trenching, backfilling, and other digging as required including permit fees.
 - b. Conduit and Substructures. Furnishing, installing, owning, and maintaining all Conduits (including pull wires) and Substructures on Applicant's Premises or SCE's Franchise Area (or rights-of-way, if applicable) as necessary to install the Service Extension.
 - c. Protective Structures: Furnishing, installing, owning, and maintaining all necessary Protective Structures as specified by SCE for SCE's facilities on Applicant Premises. Any decorative or custom protective structures shall be the responsibility of the Applicant to install, own, and maintain.

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E. RESPONSIBILITIES FOR NEW ELECTRIC DISTRIBUTION ... (Continued)

1. SCE Responsibilities (Continued)

- d. **Underground Service.** A set of service conductors to supply permanent service from the Distribution Line source to the Service Delivery Point approved by SCE.
- e. **Riser Materials.** Any necessary pole riser material for connecting underground services to an overhead Distribution Line.
- f. **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.
- g. **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.
- h. **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.
- i. **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.

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E. RESPONSIBILITIES FOR NEW ELECTRIC DISTRIBUTION...(Continued)

2. Applicant Responsibilities. In accordance with SCE's design, specifications, and requirements for the installation of the Electric Distribution Infrastructure or EV Service Extensions, subject to SCE's inspection and approval, Applicant is responsible for the following including the costs:
- a. Clear Route. Providing a route on any private property that is clear of obstructions which would inhibit the construction of either underground or overhead EV Service Extensions
 - b. Applicant's Facility Design and Operations. Applicant shall be solely responsible to plan, design, install, own, maintain, and operate facilities and equipment beyond the Service Delivery Point (except for SCE-owned metering facilities), including obtaining any relevant authority having jurisdiction (AHJ) permit, in order to properly receive and utilize the type of electric service available from SCE. Refer to SCE's 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.
 - 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.

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E. RESPONSIBILITIES FOR NEW ELECTRIC DISTRIBUTION...(Continued)

2. Applicant Responsibilities (Continued)

- 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 SCE's 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.
- 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 SCE's 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 applicable provisions in SCE's Rule 16, Section D.1.g.
- 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 AHJ.

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E. RESPONSIBILITIES FOR NEW ELECTRIC DISTRIBUTION...(Continued)

2. Applicant Responsibilities (Continued)

- 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.
- j. Corrective Action. In cases where the EV Service Facilities have become inaccessible or hazardous condition exist or any object becomes impaired under any applicable laws, ordinances, rules, or regulations of SCE or public authorities, the 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.

- 3. Installation. SCE will perform all design and installation work required to install EV Service Extensions.

F. 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:

- 1. 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.
- 2. Environmental Studies or Issue Mitigation. Environmental studies or issue mitigation may be required by SCE to install the Electrical Distribution Infrastructure or EV Service Extension.
- 3. Other. SCE's total estimated installed cost for any work it performs that is Applicant's responsibility or performs for the convenience of Applicant.

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G. RESPONSIBILITIES FOR EXISTING ELECTRIC DISTRIBUTION INFRASTRUCTURE AND EV SERVICE EXTENSION

1. Service Reinforcement

- a. SCE Owned. When SCE determines that its existing Electric Distribution Infrastructure and EV Service Extension require replacement, the existing Electric Distribution Infrastructure and EV Service Extension shall be replaced as a new EV Service Extension under the provisions of this Rule.
- b. Applicant-Owned. When SCE determines that existing Applicant-owned service facilities (installed under Rule 16) require replacement, such replacement shall be accomplished under the provisions for a new EV 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 of 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 G.2.b. and G.5 of this Rule.
- 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.

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G. RESPONSIBILITIES FOR EXISTING ELECTRIC DISTRIBUTION...(Continued)

3. Impaired Access and Clearance. Whenever SCE determines that (1) its existing EV Service Extensions have become inaccessible for inspecting, operating, maintenance, meter reading, or testing, or (2) a hazardous condition exists or any of the required clearances between the existing EV Service Extension and any object becomes impaired under any applicable laws, ordinances, rules, or regulations of SCE or public authorities, then the 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 Conversion
 - 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.

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G. RESPONSIBILITIES FOR EXISTING ELECTRIC DISTRIBUTION...(Continued)

6. Subdivision of Premises. When SCE's Electric Distribution Infrastructure and EV Service Extension 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 E above or Rule 16 for new service and the provisions of any other applicable SCE rules.

H. EXCEPTIONAL CASE

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.

I. DEFINITIONS

Applicant: A person or agency requesting SCE to deliver or supply electric service. Also referred to as Customer.

Charging Station: The equipment that interconnects the electricity grid at a Premises to the Electric Vehicle, whether using alternating current (AC) or direct current (DC), but not including the Electric Distribution Infrastructure. Charging Station is sometimes referred to as Electric Vehicle Supply Equipment (EVSE).

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.

Customer: See Applicant.

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.

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(Continued)

I. DEFINITIONS (Continued)

Electrical Distribution Infrastructure: Pursuant to Public Utilities Code Section 740.19(b), the term Electrical Distribution Infrastructure shall include poles, vaults, service drops, transformers, mounting pads, trenching, conduit, wire, cable, meters, other equipment as necessary, and associated engineering and civil construction work.

Electric Vehicle: An electric vehicle (EV) is any vehicle that utilizes electricity from external sources of electrical power, including the grid, for all or part of vehicles, vessels, trains, boats, or other equipment (e.g., aircraft, forklifts, port equipment) that are mobile sources of air pollution and greenhouse gases. Types of electric vehicles include light-, medium-, and heavy-duty EVs, off-road EVs, and off-road electric equipment. Examples of which include, but are not limited to, plug-in hybrid electric vehicles (PHEV), battery electric vehicles (BEV), electric golf carts, or neighborhood electric vehicles (NEV), transit buses, drayage, vocation, short-haul fleets, port applications, ground equipment supporting goods movement, ground support equipment at airports, and long-haul truck stop applications to minimize the idling of diesel engines. (T)

Electric Vehicle Service Extension (EV 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 EV Service Extension is supplied from a SCE-designated overhead pole, the beginning point of connection to SCE's Distribution Line shall be where the EV Service Extension is connected to SCE's overhead Distribution Line conductors. (L)

Emergency: Whenever, in SCE's discretion, a condition exists, that, if left uncorrected, could result in harm to personnel, damage to equipment, loss of system integrity or when any other hazardous condition exists or whenever access is necessary for emergency service restoration, and such immediate action is necessary to protect persons, SCE's facilities or property of others from damage, or due to the failure of a protective device to operate properly, or a malfunction of any electrical system equipment or a component part thereof.

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

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. (L)

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(Continued)

I. DEFINITIONS (Continued)

Incidental Load: The incidental load is limited to devices directly needed solely to support the EV infrastructure and charging uses of the site itself. The added load included on the EV meter must not include load from any non-EV charging infrastructure facilities, appliances or apparatus. (L)

Issue Mitigation: A process of addressing impacts to the environment caused by human action – notably those resulting from infrastructure projects. Negative environmental impacts should be avoided, for instance by re-siting the project to a more suitable location. If relocation is not feasible, reasonable, cost-efficient science-based measures should be deployed to minimize harm. (N)

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. (L)

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.
 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. (L)

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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