

RULE 24

ELECTRIC VEHICLE INFRASTRUCTURE

APPLICABILITY: This rule is applicable to all separately metered Electric Vehicle (EV) charging infrastructure installations with the exception of single-family homes, and Incidental Load. This rule supports all Electric Distribution Infrastructure on the utility side of the Customer’s meter (EV Service Extension) for Commercial and Multi-family Unit Dwelling Customers (Applicant) installing separately-metered infrastructure to support EV Supply Equipment. To be eligible for this rule, Applicant must purchase and install qualified EV Supply Equipment in the quality approved by utility in utility’s sole discretion.

EV infrastructure installations will be considered qualified if they meet the safety requirements of the Transportation Electrification Safety Checklist related to utility-side infrastructure adopted via California Public Utilities Commission Decision (D.)18-09-034. Proof of commitment to install the EVSE is required from all applicants. 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. Applicant must agree to maintain and operate the EV Charging Stations associated with this rule for a period of five years. After utility has completed all utility-side work, Applicant must install and energize all customer-side equipment including the EV Charging Stations within a timeframe agreed upon between the utility and the Applicant. The Applicant is required to notify the utility when the EV Charging Stations are energized.

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Utility will validate the installation of the EV Charging Stations after energization. The frequency and type of review may vary. Utility may conduct an in-person examination or validate the installation using meter data. Utility may periodically validate that the EV Charging Stations remains in use via validating meter data or in-person examination.

Customers taking service under this Rule must agree to remedy any maintenance or reliability issues promptly to ensure that the EV Charging Stations are functional and available for charging. Applicant must agree to maintain the EV Charging Stations for at least five years and to set aside funding to support maintenance and operations.

Failure to comply with these terms may, at utility discretion, result in termination of the contract and discontinuation of service or de-energization of the EV infrastructure. The utility may also pursue reimbursement of the costs incurred in connection with deploying the utility-side EV infrastructure and any costs associated with the removal of the utility-side EV infrastructure.

As a default, participants will be enrolled on Liberty’s commercial time-variant electric vehicle rate. Customers may elect to change to another applicable time-variant rate after initial enrollment.

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This rule is not applicable to distribution line extensions, which shall be installed in accordance with Rule 15, Electric Line Extensions. Rule 24 may be revised after the completion of Liberty’s General Rate Case cycle, and subsequent to year 2024.

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A. GENERAL

1. **DESIGN.** Utility will be responsible for planning, designing, and engineering its EV Service Extension Facilities using Utility’s standards for design, materials and construction.
2. **SERVICE DELIVERY POINT.** For the purposes of this rule the Service Delivery Point is defined as the utility-owned meter.

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B. INSTALLATION OF EV SERVICE EXTENSION (continued)

6. CONSTRUCTION AND DESIGN SPECIFICATIONS.

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- a. In compliance with Section 783 of the Public Utilities Code, utility will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new EV Service Extension project for the 18 months following the date the application for a new extension of service project is approved.
- b. Utility may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new EV Service Extension project in accordance with any of the following:
 - (1) An order or decision of the Commission or any other state or federal agency with jurisdiction.
 - (2) A work order issued by utility to implement construction or design changes necessitated by an Applicant-driven scope of work modification.
 - (3) A material-related design change identified by utility to remedy a construction material defect that could pose a risk to public safety.
- c. Approval date of a new EV Service Extension application refers to the earlier of either the effective date of the contract for the extension of the EV Service Extension or the date when utility first invoices the customer for the extension of service. "Invoice" to mean when utility presents an offer to the customer for the extension of service in response to an application for an EV Service Extension submitted pursuant to the regulations of the Commission and applicable specification of utility.

7. 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 a plowed land, ditches, or inaccessible security areas between Utility's Distribution Line and Applicant's building or facility to be served that would prevent Utility from prudently installing, owning, and maintaining its Service Facilities, Utility 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.

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C. RESPONSIBILITIES FOR EV SERVICE EXTENSION

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1. **APPLICANT RESPONSIBILITY.** In accordance with utility's design, specifications and requirements for the installation of EV Service Extension, subject to utility's inspection and approval, Applicant is responsible for:

a. **CLEAR ROUTE.** Providing (or paying for) a route on any private property that is clear of obstructions which would inhibit the construction of EV Service Extension.

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b. **BEHIND THE METER 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 Electric Distribution Infrastructure beyond the utility meter required to provide EV charging services at premise, inclusive of EV Supply Equipment, inclusive of the meter panel.

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c. **ENVIRONMENTAL STUDIES OR ISSUE MITIGATION.** Environmental studies or issue mitigation may be required by the utility to install the EV Service Extension, the cost of which will be borne by the Applicant.

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d. **COORDINATION OF PROTECTION DEVICES.** When, as determined by utility, 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 utility, it shall be Applicant's responsibility to provide such coordination in accordance with Rule 2.

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e. **LIABILITY.** Utility shall incur no liability whatsoever, for any damage, loss or injury occasioned by:

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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 utility 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 utility-owned meters and enclosure covers will be sealed only by utility's authorized employees and such seals shall be broken only by utility's authorized employees. However, in an emergency, utility may allow a public authority or other appropriate party to break the seal. Any unauthorized tampering with utility-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, Discontinuance of Service, for unauthorized use.

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C. RESPONSIBILITIES FOR EV SERVICE EXTENSION (continued)

- g. **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. (T)(L)
- h. **REASONABLE CARE.** Applicant shall exercise reasonable care to prevent Utility's Service Lateral, meters, and other facilities owned by Utility on the Applicant's Premises from being damaged or destroyed, and shall refrain from interfering with utility's operation of the facilities and shall notify utility of any obvious defect. (T)
(L)
- i. **BUILDOUT OF ADDITIONAL CAPACITY.** When Applicant requests and utility agrees to install additional EV Infrastructure beyond the capacity needed to support the EV Charging Stations that the Applicant plans to install at the time of taking initial service, Applicant is required to execute a signed commitment to install the additional planned EV Charging Stations in the future, which includes but is not limited to the approximate number of EV Charging Stations and the expected timeframe of the installation. Failure to install the additional EV Charging Stations as agreed to in the signed commitment may, at utility discretion, result in termination of the contract and discontinuation of service or de-energization of the EV infrastructure. The utility may also pursue reimbursement of the costs incurred in connection with deploying the utility-side EV infrastructure and any costs associated with the removal of the utility-side EV infrastructure. (N)

2. UTILITY RESPONSIBILITY

- a. **EV SERVICE EXTENSION.** Utility will furnish, install, own, and maintain the following: (L)
 - 1. **EXCAVATION.** All necessary trenching, backfilling, and other digging as required including permit fees. (N)
 - 2. **CONDUIT AND SUBSTRUCTURES.** Furnishing, installing, owning, and maintaining all Conduits (including pull wires) and Substructures on Applicant's Premises or utility franchise area (or rights-of-way, if applicable) as necessary to install the EV Service Extensions.
 - 3. **PROTECTIVE STRUCTURES.** Furnishing, installing, owning, and maintaining necessary Protective Structures as specified by utility for utility facilities on Applicant premises. Any decorative or custom protective structures shall be the responsibility of the Applicant to install, own, and maintain. (N)

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C. RESPONSIBILITIES FOR EV SERVICE EXTENSION (continued)

2. UTILITY RESPONSIBILITY (continued)

- 4. **UNDERGROUND SERVICE.** A set of Service Lateral conductors to supply permanent service from the Distribution Line source to the Service Delivery Point approved by Utility. (T)
- 5. **RISER MATERIALS.** Any necessary pole riser material for connecting underground services to an overhead Distribution Line. (T)
- 6. **OVERHEAD SERVICE.** A set of overhead Service Lateral conductors and support poles to supply permanent service from a Distribution Line source to a suitable support at the Service Delivery Point approved by Utility. Such support shall be of a type and located such that service wires may be stalled 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. (T)(L)
- 7. **METERING.** The necessary instrument transformers where required, test facilities, meters, associated metering equipment and the metering enclosures when Utility elects to locate metering equipment at a point that is not accessible to Applicant. (T)
- 8. **TRANSFORMER.** The transformer where required, including any necessary switches, capacitors, electrical protective equipment, etc. When either a pad-mounted or overhead transformer is installed on Applicant's Premises, the Service Lateral 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. (T)(L)
- 9. **OTHER REQUIRED ELECTRIC DISTRIBUTION INFRASTRUCTURE.** Including but not limited to materials, between the Distribution Line source and Service Delivery Point. (N)(N)(D)
- 10. **GOVERNMENT INSPECTION.** Utility 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. (T)(L)(L)

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C. RESPONSIBILITIES FOR EV SERVICE EXTENSION (continued)

3. INSTALLATION

a. UTILITY PERFORMED WORK. Utility will perform all design and installation work required to install EV Service Extension.

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D. PAYMENTS BY APPLICANT

1. PAYMENTS. Applicant is responsible to pay utility the following non-refundable costs as applicable under this rule and in advance of utility commencing its work:

a. ENVIRONMENTAL COSTS

b. 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 utility's Preliminary Statement.

c. OTHER. Any payments for Applicant owned protective structures required in Section C.1.f.

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2. REFUNDS. No refunds apply to the installation of EV Service Extension under this rule.

E. EXISTING SERVICE FACILITIES

1. SERVICE REINFORCEMENT

a. UTILITY OWNED. When utility determines that its existing Service Facilities require replacement and are eligible, the existing Service Facilities shall be replaced as new EV Service Extension under the provisions of this rule.

2. SERVICE RELOCATION OR REARRANGEMENT. Any relocation or rearrangement, whether utility convenience or applicant convenience, will be installed in accordance with Rule 16, Service Extensions.

3. IMPAIRED ACCESS AND CLEARANCES. Determination of impaired access or clearances will be determined, and corrective action conducted in accordance with Rule 16, Service Extensions.

4. OVERHEAD TO UNDERGROUND SERVICE CONNECTIONS

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.

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F. DEFINITIONS (continued)

Electric Vehicle: An electric vehicle 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, 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. (N)

Electric Vehicle Electric Distribution Infrastructure: EV Electric Distribution Infrastructure shall consist of (a) vaults, (b) mounting pads, (3) trenching, (4) conduit, (5) other equipment as necessary, and (6) associated engineering and construction work. (N)

Electric Vehicle Service Extension: The EV Service Extension shall consist of Electrical Distribution Infrastructure on the utility-side of the meter

Electric Vehicle Supply Equipment: 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.

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.

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

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.

Invoice: When utility presents and offer to the customer for the EV Service Extension in response to an application for an extension of service submitted pursuant to subdivision (f) of California Public Utilities Code 783. (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 and reasonable, cost-efficient science-strong 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)

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F. DEFINITIONS (continued)

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

Service Delivery Point: Where utility's Service Facilities is connected to either Applicant's conductors or other service termination facility designated and approved by utility. For the purposes of this rule the Service Delivery Point is set at the meter.

Service Facilities: Utility'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) Utility owned metering equipment, and (e) other utility-owned service related equipment.

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

The date the application is approved: The earlier of either the effective date of the contract for the EV Service Extension or the date when the utility first invoices the customer for the extension of service.

G. NO EFFECT ON OTHER TE PROGRAMS

Infrastructure provided pursuant to this Rule 24 does not alter or diminish the Commission's authority under Public Utilities Code section 740.12(b) (or any other similar statute) to direct electrical corporations to file applications for transportation electrification programs and investments, or to approve or modify the terms and conditions of such programs and investments.

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