



ELECTRIC RULE 29
EV INFRASTRUCTURE

Sheet 2

- A. **APPLICABILITY (Cont'd):** (L)
- 5. **PROOF OF COMMITMENT:** Applicant must show a proof of commitment to purchase their Charging Stations in order to proceed with a project under this Rule. A proof of commitment is any documentation of clear intent to procure and deploy the Charging Stations, such as a budget approval, grant agreement, request for proposal results, governance-body mandated procurement and deployment, or actual purchase order provided by a seller. (N)
- 6. **EXISTING PROGRAMS:** Electric Vehicle Supply Equipment installed through PG&E's Electric Vehicle Charge Network, Electric Vehicle Fleet, Electric Vehicle Fast Charge, Empower Electric Vehicle, Electric Vehicle Charge Schools, or Electric Vehicle Charge Parks are not applicable under this Rule (L)
- 7. **INTERACTION WITH RULE 15:** 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)
- 8. **TARIFF MODIFICATIONS:** The California Public Utilities Commission may make modifications to this Rule that would go into effect as early as 2027, upon completion of PG&E's 2023 General Rate Case cycle. (L)

B. **GENERAL**

- 1. **DESIGN.** PG&E will be responsible for planning, designing, and engineering its EV Service Extensions using PG&E's standards for design, materials and construction.
- 2. **CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.**
 - a. In compliance with Section 783 of the Public Utilities Code, PG&E 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)

(Continued)



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Sheet 3

- A. GENERAL (Cont'd.) (L)
- 2. Construction and Design Specifications, Standards, Terms, and Conditions of a New Extension of Service Project (Cont'd.)
 - b. PG&E may default utilizing existing service where technically feasible and cost efficient.
 - c. PG&E 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: (L)
 - 1) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
 - 2) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
 - 3) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.
 - d. 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 PG&E first invoices the customer for the extension of electric service. "Invoice" is to mean when PG&E 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 PG&E.
 - e. EV Service Extension shall extend along the shortest or most practical and available route as necessary to reach a Service Delivery Point identified via mutual agreement between PG&E and the Applicant.
 - 1) The Applicant will be responsible for all costs of the service that are a result of the requested EV Service Extension differing from the shortest or most practical and available route. This additional cost is further described in section E.1.j. of this Rule.

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Sheet 4

B. GENERAL (Cont'd.).

(L)

- 3. EV SERVICE EXTENSION FACILITIES. PG&E's EV Service Extension Facilities shall consist of (a) primary or secondary underground or overhead service conductors, (b) poles to support overhead service conductors, (c) service transformers, (d) vaults, pads, and conduits, (e) trenching, (f) PG&E-owned metering equipment, and (g) other PG&E-owned service related equipment.
- 4. OWNERSHIP OF FACILITIES. EV Service Extension Facilities installed under the provisions of this rule shall be owned, operated, and maintained by PG&E.
- 5. PRIVATE LINES. PG&E shall not be required to connect EV Service Extension Facilities to or serve any Applicant from electric facilities that are not owned, operated, and maintained by PG&E.
- 6. SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E installs at the request of Applicant, will be installed at Applicant's expense in accordance with Rule 2—Description of Service. Any other facilities PG&E installs at the request of Applicant, will be installed at Applicant's expense in accordance with the applicable Rule for those facilities.
- 7. 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 Electric Rule 16 – Service Extensions, except that all charges and refunds shall be made under the provisions of Electric Rule 13—Temporary Service.
- 8. STREETLIGHTS. Streetlight services and appurtenant facilities shall be installed in accordance with the service provisions of the applicable street light schedule.
- 9. GENERATING FACILITY INTERCONNECTIONS. Generating Facility Interconnections shall be installed in accordance with the provisions of Electric Rule 21 – Generating Facility Interconnections.
- 10. CONTRACTS. Each Applicant requesting service may be required to execute a written contract(s) prior to PG&E performing its work to establish service. Such contract(s) shall be in the form on file with the California Public Utilities Commission (Commission).

(L)

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Sheet 5

- B. GENERAL (Cont'd.) (L)
- 11. DISTRIBUTION LINE EXTENSIONS. Whenever PG&E's distribution system is not complete to the point designated by PG&E where the Service Extension is to be connected to PG&E's distribution system, the extension of Distribution Line facilities will be installed in accordance with Rule 15— Distribution Line Extensions.
 - 12. RIGHTS-OF-WAY. Rights-of-way or easements maybe required by PG&E to install EV Service Extension Facilities on Applicant's property to serve only Applicant, the cost of which are the responsibility of the Applicant.
 - a. SERVICE FACILITIES. If the EV Service Extension Facilities must cross property owned by a third party to serve Applicant, PG&E may, at its option, install such Service Facilities after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained.
 - b. DISTRIBUTION LINE EXTENSIONS. If PG&E's facilities installed on Applicant's property, or third-party property, will be or are designed to serve adjacent property, then PG&E may, at its option, install its facilities after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained.
 - c. CLEARANCES. Any necessary rights-of-way or easements for PG&E's facilities shall have provisions to maintain legal clearances from adjacent structures.
 - 13. ENVIRONMENTAL STUDIES OR ISSUE MITIGATION: Environmental studies or issue mitigation may be required by PG&E to install the EV Service Extension, the cost of which are the responsibility of the Applicant. (L)

(Continued)



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Sheet 6

B. GENERAL (Cont'd.).

(L)

14. ACCESS TO APPLICANT'S PREMISES. PG&E 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, vegetation management, emergency work, etc.) and the exercise of any and all rights secured to it by law, or under PG&E's tariff schedules. These rights include, but are not limited to:

- a. The use of a PG&E-approved locking device, if Applicant desires to prevent unauthorized access to PG&E's facilities;
- b. Safe and ready access for PG&E personnel free from unrestrained animals;
- c. Unobstructed ready access for PG&E'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.

15. SERVICE CONNECTIONS. Only personnel duly authorized by PG&E are allowed to connect or disconnect service conductors to or from PG&E's Distribution Lines, remove PG&E-owned service facilities and equipment, or perform any work upon PG&E-owned existing facilities.

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Sheet 8

D. SERVICE EXTENSIONS

(L)

1. GENERAL LOCATION. The location of the EV Service Extension facilities 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 PG&E.
2. NUMBER OF EV SERVICE EXTENSIONS. PG&E 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. TARIFF SCHEDULES. Where otherwise allowed or required under PG&E's tariff schedules; or,
 - b. PG&E CONVENIENCE. At the option of and as determined by PG&E, 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.

(L)

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Sheet 9

- D. SERVICE EXTENSIONS (Cont'd.) (L)
- 3. UNDERGROUND INSTALLATIONS. Underground EV Service Extensions will be installed:
 - 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 PG&E where Applicant's load requires a separate transformer installation of 75 kVa or greater.
 - 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 PG&E. The additional cost of providing an underground Electric Vehicle Service Extension as requested by the Applicant, instead of an overhead service, will be paid for by the Applicant for installations in which an overhead extension can be installed. (L)
(N)
 - c. PG&E will not accept requests under the Special Facilities provision of Rule 2, Section I, 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. Such requests will not be accepted for situations indicated in D.3.c.1, D.3.c.2, and with certain exceptions D.3.c.3, below. (L)
(T)/(L)
(T)/(L)
(L)
 - 1) New construction on any property except public property and public rights-of-way;
 - 2) Circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities on any property except public property and public rights of way resulting in a change of use or occupancy as defined in state or local law;
 - 3) Except for situations on a case-by-case basis in which the local authority and PG&E agree to locate Equipment above ground because the above-ground location is technically feasible for the installation. (L)

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Sheet 10

- D. SERVICE EXTENSIONS (Cont'd.) (L)
- 3. UNDERGROUND INSTALLATIONS (Cont'd.)
- c. (Cont'd.)

For purposes of this provision, specified pieces of equipment include all primary voltage from 4 kV to 35 kV electrical distribution system equipment (Equipment), including, but not limited to, transformers, switches and fuses, capacitors, and junction bars.

“Technically feasible” means that enough space is, or can be made, available above ground for the electrical distribution Equipment needed for PG&E to serve customers and that other requirements, such as obtaining the required permits, are met. The required space is defined by existing design standards within the operation and maintenance requirements that are in compliance with applicable safety codes and regulations such as CPUC General Order 128

Where PG&E has existing primary voltage distribution equipment installed in below ground structures, the equipment will continue to be operated and maintained below ground. However, in accordance with Section D.3.c.iii., above, where existing below-ground Equipment must be modified by PG&E, above-ground retrofits shall only occur in circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities resulting in a change of use or occupancy as defined in state or local law; or when agreed to by the local authority and PG&E on a case-by-case basis.

Design and installation of any above-ground Equipment shall comply with the typical installations depicted in PG&E’s Electric Design Manual, as well as land use laws, including local ordinances respecting matters of public health, safety and convenience, that are of general applicability to above-ground utility structures regardless of ownership, to the extent the same would not directly or effectively require the Equipment to be located underground

(L)

(Continued)



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Sheet 11

- D. SERVICE EXTENSIONS (Cont'd.) (L)
- 3. UNDERGROUND INSTALLATIONS. (Cont'd.)
 - c. (Cont'd.)

When modifying existing Equipment installed in the above-ground public rights-of-way, PG&E shall comply with local ordinances respecting matters of public health and safety and convenience, to the extent that the same are of general applicability to other utility and public works structures or equipment, regardless of ownership, installed in the public rights-of-way do not directly or effectively require the Equipment to be located underground, or otherwise conflict with the design standards contained in PG&E's Electric Design Manual and similar documents.
- 4. OVERHEAD INSTALLATIONS. Overhead EV Service Extensions are permitted except under the circumstances specified in section D.3.a above.
- 5. UNUSUAL SITE CONDITIONS. In cases where Applicant's building or facility to be served 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 PG&E's Distribution Line and Applicant's building or facility to be served that would prevent PG&E from prudently installing, owning, and maintaining its Service Facilities, PG&E 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. (L)

(Continued)



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Sheet 12

- E. RESPONSIBILITIES FOR NEW EV SERVICE EXTENSIONS (L)
1. APPLICANT RESPONSIBILITY. In accordance with PG&E's design, specifications, and requirements for the installation of EV Service Extensions, subject to PG&E's inspection and approval, Applicant is responsible for the following, including any costs:
 - a. SERVICE LATERAL FACILITIES
 - 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 EV Service Extensions.
 - 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 PG&E-owned metering facilities) in order to properly receive and utilize the type of electric service available from PG&E. 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.
 - 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 PG&E but are required by PG&E for Applicant to receive service. (L)

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Sheet 13

E. RESPONSIBILITIES FOR NEW EV SERVICE EXTENSIONS (Cont'd.).

1. APPLICANT RESPONSIBILITY (Cont'd.).

c. REQUIRED SERVICE EQUIPMENT (Cont'd.).

Such facilities shall also include but are not limited to the overhead or underground termination equipment, conduits located under or within structures, service entrance conductors from the Service Delivery Point to the location of PG&E'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. This also includes all facilities required to provide Electric Vehicle charging services at the site, including but not limited to Electric Vehicle Supply Equipment. The capacity of the Customer-Side electrical panel will be used in the design of the capacity of the Utility-Side EV Service Extension. Detailed information on PG&E's service equipment requirements will be furnished by PG&E.

(T)

d. COORDINATION OF ELECTRICAL PROTECTIVE DEVICES. When, as determined by PG&E, 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 PG&E, it shall be Applicant's responsibility to provide such coordination in accordance with Rule 2.

e. LIABILITY. PG&E 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.

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Sheet 14

- E. RESPONSIBILITIES FOR NEW EV SERVICE EXTENSIONS (Cont'd.) (L)
- 1. APPLICANT RESPONSIBILITY (Cont'd.)
 - f. FACILITY TAMPERING. Applicant shall provide a suitable means acceptable to PG&E 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 PG&E-owned meters and enclosure covers will be sealed only by PG&E's authorized employees and such seals shall be broken only by PG&E's authorized employees. However, in an emergency, PG&E may allow a public authority or other appropriate party to break the seal. Any unauthorized tampering with PG&E-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 and Restoration of Service for unauthorized use.
 - g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES. Transformer installations on Applicant's Premises shall be as specified by PG&E 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 PG&E for a standard transformer installation including any necessary switches, capacitors, and electric protective equipment where required if (a) in an overhead area, PG&E determines that the load to be served is such that a separate transformer installation, or (b) if PG&E determines that the installation of a padmounted or subsurface transformer of any size is required on Applicant's Premises to serve only Applicant. (L)

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Sheet 15

- E. RESPONSIBILITIES FOR NEW EV SERVICE EXTENSIONS (Cont'd.) (L)
- 1. APPLICANT RESPONSIBILITY (Cont'd.)
 - g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES (Cont'd.)
 - 2) TRANSFORMER LIFTING REQUIREMENTS. PG&E will not install transformers at locations where PG&E cannot use its standard transformer lifting equipment.
 - 3) 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 PG&E determines that it is not practical to install a transformer on a pad, in a room or vault, PG&E 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, shall conform with applicable laws, codes, and ordinances of all governmental authorities having jurisdiction. (L)

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Sheet 16

- E. RESPONSIBILITIES FOR NEW EV SERVICE EXTENSIONS (Cont'd.) (L)
- 1. APPLICANT RESPONSIBILITY (Cont'd.)
 - i. REASONABLE CARE. Applicant shall exercise reasonable care to prevent PG&E's EV Service Extensions, other PG&E facilities, and meters owned by PG&E or others, on the Applicant's Premises from being damaged or destroyed, and shall refrain from interfering with PG&E's operation of the facilities and shall notify PG&E of any obvious defect. (L)
 - j. EXCESS SERVICE: The costs of the EV Service Extension that are the result of the EV Service Extension design differing from the shortest or most practical and available route, and as requested by the Applicant. (L)
(T)/(L)
(T)/(L)
- 2. PG&E RESPONSIBILITY (L)
 - a. ELECTRICAL DISTRIBUTION INFRASTRUCTURE. After Applicant meets all requirements to receive service, PG&E will furnish, install, own, and maintain the following EV Service Extension Facilities, including but not limited to (a) primary or secondary underground or overhead service conductors, (b) poles to support overhead service conductors, (c) service transformers, (d) vaults, pads, and conduits, (e) trenching, (f) PG&E-owned metering equipment, and (g) other PG&E-owned service related equipment :
 - 1) EXCAVATION. All necessary trenching, backfilling, and other digging as required including permit fees.
 - 2) CONDUIT AND SUBSTRUCTURES. Furnishing, installing, owning, and maintaining all Conduits (including pull wires) and Substructures as necessary to install the EV Service Extension.

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Sheet 17

- E. RESPONSIBILITIES FOR NEW EV SERVICE EXTENSIONS (Cont'd.) (L)

 - 2. PG&E RESPONSIBILITY (Cont'd.)
 - a. Electrical Distribution Infrastructure (Cont'd.)
 - 3) PROTECTIVE STRUCTURES. Furnishing, installing, owning, and maintaining all necessary Protective Structures as specified by PG&E for PG&E's facilities on Applicant's Premises. Any decorative or custom protective structures shall be the responsibility of the Applicant to install, own, and maintain.
 - 4) UNDERGROUND ELECTRICAL DISTRIBUTION INFRASTRUCTURE SERVICE EXTENSION. A set of service conductors to supply permanent service from the Distribution Line source to the EV Service Delivery Point approved by PG&E.
 - 5) RISER MATERIALS. Any necessary pole riser material for connecting underground services to an overhead Distribution Line.
 - 6) OVERHEAD ELECTRICAL DISTRIBUTION INFRASTRUCTURE SERVICE EXTENSION. 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 PG&E. Such support shall be of a type and located 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.
 - 7) METERING. When the meter is owned by PG&E, PG&E will be responsible for the necessary instrument transformers where required, test facilities, meters, associated metering equipment, and the metering enclosures when PG&E elects to locate metering equipment at a point that is not accessible to Applicant. (L)

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**ELECTRIC RULE 29
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Sheet 18

- E. RESPONSIBILITIES FOR NEW EV SERVICE EXTENSIONS (Cont'd.) (L)
- 2. PG&E RESPONSIBILITY (Cont'd.)
 - a. Electrical Distribution Infrastructure (Cont'd.)
 - 8) 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 EV 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.
 - 9) PADMOUNTED EQUIPMENT. Furnishing, installing, owning, and maintaining Substructures and any required Protective Structures for the proper installation of the transformer, switches, capacitors, etc.
 - b. GOVERNMENT INSPECTION. PG&E 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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ELECTRIC RULE 29
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Sheet 19

F. ALLOWANCES AND PAYMENTS BY APPLICANT

- 1. PAYMENTS. Applicant is responsible to pay PG&E the following non-refundable costs as applicable under this rule and in advance of PG&E commencing its work:
 - a. EXCESS SERVICE. The costs of the EV Service Extension that are the result of the length of the requested EV Service Extension differing from the shortest or most practical and available route. (T)
(T)
 - 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 PG&E's Preliminary Statement.
 - c. OTHER. PG&E's total estimated installed cost for any work it performs that is Applicant's responsibility or performs for the convenience of Applicant.
- 2. REFUNDS. No refunds apply to the installation of EV Service Extension Facilities under this Rule.

G. EXISTING EV SERVICE FACILITIES

- 1. EV SERVICE REINFORCEMENT
 - a. PG&E-OWNED. When PG&E determines that its existing Service Facilities require replacement, the existing Service Facilities shall be replaced as a new EV Service Extension under the provisions of this rule.
 - b. APPLICANT-OWNED. When PG&E determines that existing Applicant owned service facilities (installed under a prior rule) require replacement, such replacement or reinforcement shall be accomplished under the provisions for a new EV Service Extension installation, except that if PG&E determines that any portion of Applicant's existing service extension facilities can be utilized by PG&E, Applicant will convey any such usable part to PG&E and an appropriate credit by PG&E 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.

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Sheet 20

- G. EXISTING SERVICE FACILITIES (Cont'd.) (L)
- 2. SERVICE RELOCATION OR REARRANGEMENT
 - a. PG&E CONVENIENCE. When, in the judgement of PG&E, the relocation or rearrangement of an EV Service Extension, including PG&E-owned transformers, is necessary for the maintenance of adequate service or for the operating convenience of PG&E, PG&E normally will perform such work at its own expense, except as provided Sections F.2.b. and F.5.
 - b. APPLICANT CONVENIENCE. Any relocation or rearrangement of PG&E's existing EV Service Extension Facilities at the request of Applicant (aesthetics, building additions, remodeling, etc.) and agreed upon by PG&E shall be performed in accordance with Section D above except that Applicant shall pay PG&E its total estimated costs.

In all instances, PG&E shall abandon or remove its existing facilities at the option of PG&E rendered idle by the relocation or rearrangement.
- 2. IMPAIRED ACCESS AND CLEARANCES. Whenever PG&E determines that:
 - a. ACCESS. Its existing EV Service Extension 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 EV Service Extension Facilities and any object becomes impaired under any applicable laws, ordinances, rules, or regulations of PG&E 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 PG&E its total estimated cost to relocate its facilities to a new location which is acceptable to PG&E. 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.

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Sheet 21

G. EXISTING SERVICE FACILITIES (Cont'd.) (L)

4. OVERHEAD TO UNDERGROUND SERVICE CONVERSIONS

- a. RULE 20. The replacement of existing overhead Distribution Lines with underground Distribution Lines will be made in accordance with PG&E's Rule 20.
- 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 PG&E its total estimated installed cost to complete the new service and remove the overhead facilities.

5. DAMAGED FACILITIES. When PG&E's facilities are damaged by others, the repair will be made by PG&E at the expense of the party responsible for the damage. Applicants are responsible for repairing their own facilities.

6. SUBDIVISION OF PREMISES. When PG&E's EV 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 PG&E with adequate rights-of-way satisfactory to PG&E 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, PG&E 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 PG&E the total estimated cost of any required relocation or removal of PG&E's facilities. A new EV service will be re-established in accordance with the provisions of Section E above for new service and the provisions of any other applicable PG&E rules.

H. EXCEPTIONAL CASES

When the application of this rule appears impractical or unjust to either party, or ratepayers, PG&E 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.

(L)

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**ELECTRIC RULE 29
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Sheet 22

I. DEFINITIONS FOR RULE 29

(L)

APPLICANT: A person or agency requesting PG&E to supply electric service.

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 or other materials acceptable to PG&E (including pull wires and concrete encasement where required) for the installation and protection of electric wires and cables.

CUSTOMER: See Applicant.

DISTRIBUTION LINE EXTENSION: New distribution facilities of PG&E that are 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. PG&E'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: PG&E's overhead and underground facilities which are operated at distribution voltages as set forth in PG&E's Rule 2 and which are designed to supply two or more services.

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 includes light-duty, medium-duty, and heavy-duty battery electric vehicles and plug-in hybrid electric vehicles, as well as off-road electric vehicles and off-road electric equipment.

(L)

(Continued)



ELECTRIC RULE 29
EV INFRASTRUCTURE

Sheet 23

I. DEFINITIONS FOR RULE 29 (Cont'd.).

EXCAVATION: All necessary trenching, backfilling, and other digging as required to install EV 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 PG&E has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

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)
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(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.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), sound barriers, posts, barricades and other structures as required by PG&E.

SERVICE DELIVERY POINT: Where PG&E's Service Facilities are connected to either Applicant's conductors or other service termination facility designated and approved by PG&E.

EV SERVICE EXTENSIONS: The overhead and underground primary or secondary 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 PG&E-designated overhead pole, the beginning point of connection to PG&E's Distribution Line shall be where the EV Service Extension is connected to PG&E's overhead Distribution Line conductors.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E'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.