

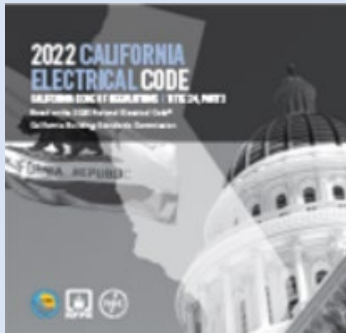


Residential Electric Vehicle Charging Permits (EVSE)

Permit Cards and County Approved Plans must be on-site and available for all inspections

For information on Permit Applications and the County's InSite Public Portal please use this link
<https://www.sccgov.org/sites/dpd/Iwantto/Permits/Pages/DevelopmentPermitApplications.aspx>

Click the image below to access the CA Electrical Code



For information on scheduling inspections visit our website at <https://plandev.sccgov.org/about-us/building-inspection/inspection>

Planning and Development Permit Center

70 W Hedding Street
East Wing, 7th Floor
San Jose, CA 95110
Phone: (408) 299-5770
Email to:
PLN-PermitCenter@pln.sccgov.org

PERMIT REQUIREMENTS

- Level 1 – Using an existing 120V receptacle does not require a permit
- Level 1 – Adding a new circuit for a Level 1 receptacle requires a permit
- Level 2 and up – Permits required

APPLICATION SUBMITTAL REQUIREMENTS

- Submit an [Development Permit Application](#) through the [Insite public portal](#)
- **Level 1** – No electrical drawings required
- **Level 2** – For installations up to 60A and/or 150V to ground, and service equipment is rated 125A or greater no electrical plans required
- **Level 2** – For installations over 60A and/or 150V to ground and greater and/or service equipment is rated less than 125A provide electrical plans for review
- **Level 3+** – provide electrical plans
- Projects that include an [electrical service upgrade](#) must include the service upgrade in the permit application
- Projects that include adding an [additional electrical service](#) for a different utility rate must include that information in the permit application and specify the need for an additional address to comply with utility requirements
 - A plan review may be required
- **Interactive System** – EVSE that incorporate a power export function shall be listed and marked as suitable for that purpose
 - Plan review is required for all interactive EVSE system submittals

ELECTRICAL PLAN REQUIREMENTS (when required)

- **Site plan**
 - Show the locations of structure(s) where proposed equipment is to be located
 - Show vehicle impact protection if necessary
- **Electrical line drawing**
 - Provide a line drawing to show the electrical system from the electrical service to the charging equipment
 - Include the rating of the electrical service and distribution panels, conductor and raceway types and sizes
- **Load Calculations**
 - Provide electrical service load calculations to show there is capacity for the new electrical load(s)
 -
- **Spec Sheets**
 - Provide spec sheets for all proposed equipment



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Article 625 of the CA Electrical Code provides specific rules for Electric Vehicle Power Transfer Systems



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INSTALLATION/INSPECTION REQUIREMENTS

- Location is in accordance with the manufacturer's installation instructions
- Adequate working clearances are provided (see CEC 110.26)
- Breakers are properly rated (CEC 625.41)
- Anchorage for wall or floor/ground mounted equipment is done per the manufacturer's installation instructions
- GFCI – all receptacles installed for EVSE shall be provided with ground fault circuit-interrupter protection (CEC 625.54)
- EVSE rated more than 60A shall be provided with a disconnecting means that are lockable and in a readily accessible location (CEC 625.43)

REQUIRED INSPECTIONS

- **EL04 Rough Wiring** (where wiring is going to be concealed)
- **EL11 Underground** (where wiring is going to be run underground or under a concrete slab)
- **EL08 Electrical Final** (all work complete)
- **FI01 Project Complete** (all work complete)
- **FI07 New Elec Meter Set** (for new electrical services)

Building Inspections can be requested in one of three ways

[The Mobile Inspection App](#) (Recommended)

[The Insite Public Portal](#)

Inspection request phone line (408) 299-3161

Please visit our website at <https://plandev.sccgov.org/buildinginspections> for more information on scheduling inspections.

Inspections and Inspection Requests

Inspections and approval by a County Building Inspector are required for all work being done with a permit. The County provides next day inspections for requests received before 3pm on regular workdays. Requests received on weekends or County observed holidays will be entered on the next regular workday and scheduled for the following workday or later depending on the date you request. You may request inspections up to five days in advance.

IMPORTANT INFORMATION FROM PG&E REGARDING ELECTRICAL SERVICES AND ELECTRICAL EQUIPMENT NEAR GAS METERS

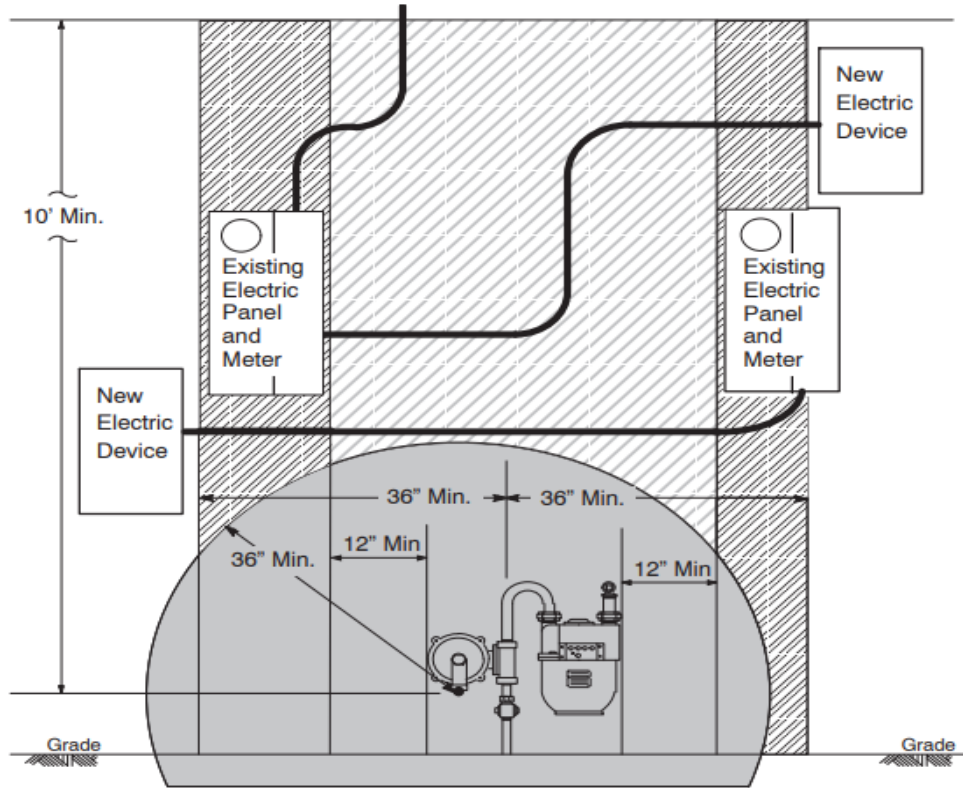
- The applicant assumes the risk for any work performed without requesting PG&E's advanced approval. PG&E can charge the applicant if it is necessary to make changes to unapproved work PG&E Greenbook § 1.7 #10
- Before performing any underground work call 811 or visit <https://www.california811.org/>
- **Service equipment must comply with utility requirements for clearance to gas meters (NEW! Ref Greenbook §5.4.3)**



PG&E CLEARANCE TO GAS METER REQUIREMENTS

Section 2, Gas Service

2.4.2. (continued)



LEGEND

- Regulator Vent Opening
- New Conduit Without Fittings, Couplings, or Joints Except Connection to Panel
- No Existing Electric Meter/Panel and No New Electric Devices (See Notes 1 and 2)
- No Electrical, No Conduit, No Source of Ignition, No Meter/Panel, and No New Grounding Wires or Clamps
- No New Electric Devices. Only Electric Panel Upgrades and Like-for-Like Panel Replacements are Allowed.

Figure 2-22
Clearance Requirements for an Existing Electric Meter/Panel

Notes in Reference to Figure 2-22:

1. This includes electric meters and panels in cabinets.
2. Junction boxes or other electrical enclosures **must not** be installed to replace the existing electric meter panel.

