



Electrical Service Change/Upgrade

The Permit Card must be on-site at all times.

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>

The [PG&E Greenbook Manual Online](#) provides all of the utilities requirements for electrical and gas utility installations

The following link provides important information to consider prior to replacing or upgrading electrical service equipment
<https://www.pge.com/includes/docs/pdfs/mybusiness/customerservice/startstop/newconstruction/processguide/processguide.pdf>

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

APPLICATION REQUIREMENTS

- Submit an [Development Permit Application](#) through the [Insite public portal](#)

INSTALLATION REQUIREMENTS

- **Service equipment working clearance CEC 110.26**
- Service entrance mast is properly secured (overhead)
- Service entrance conductors (overhead) have adequate clearance above the roof
- Service entrance conductors are the correct type and size
- All available grounding electrodes are utilized CEC 250.50
- Interior metal water pipe system is bonded CEC 250.104(A)
- Other metallic piping systems are bonded CEC 250.104(B)
- Main bonding jumper at the service equipment CEC 250.28
- Intersystem bonding terminal installed at the service equipment CEC 250.94(A)

IMPORTANT INFORMATION FROM PG&E

- 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)**

REQUIRED INSPECTIONS (Typical)

FI07 Electric Meter Release – Main OCPD installed, service entrance and mast installed, grounding and bonding complete
(Must be safe to energize - determined by the field inspector)

FI01 Project Complete – all work complete

CODE CHANGES FOR THE 2022 CALIFORNIA ELECTRICAL CODE

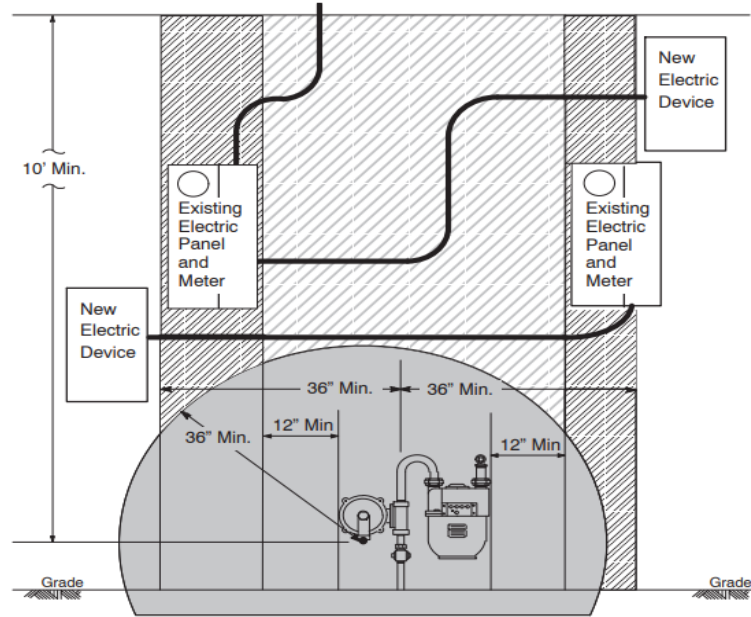
- **No more than one service disconnect CEC 230.71**
(The six handle rule has been removed from the code)
- **Emergency disconnect located in a readily accessible outdoor location (one and two-family dwellings CEC 230.85)**
- Surge protection required CEC 230.67
- Barriers – uninsulated/ungrounded terminals and/or busbars shall be protected with barriers to prevent inadvertent contact by persons working in the service panel CEC 230.62



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 New Electric Devices. Only Electric Panel Upgrades and Like-for-Like Panel Replacements are Allowed.
- No Electrical, No Conduit, No Source of Ignition, No Meter/Panel, and No New Grounding Wires or Clamps

**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.

- Verify the utility will approve the ampacity rating and location of the new service equipment
NOTE: The utility may require clearance to natural gas meters. Check the [Greenbrook](#) for details.
- Verify the utility service drop (overhead) will have the required clearances over structures, swimming pools, etc.