

GUIDELINE

**COMMERCIAL ELECTRIC
VEHICLE CHARGER PERMITS
2019 CBC**

PERMIT SUBMITTAL REQUIREMENTS:

Planning

- Licensed Engineer or Architect to prepare Site Plan show building footprint with distances to property lines, parking areas, location of electrical service/subpanels and location of existing and proposed EV charging stations.
- The site plan shall also contain project information (i.e., project address, owner’s information, scope of work statement).
- Verify that your charger meets UL or another testing laboratory’s safety requirements
- Provide the following information on project plans:
 - Plans to be stamped and signed by licensed professional (electrical engineer or architect)
 - Single line diagram
 - Existing electrical service size and number of meters
 - Size, type and insulation ratings (voltage, temperature, etc.) of all conductors and

- associated wiring components
- Type, size and material of raceway(s)
- Feeder or service load calculations for EV charging stations requiring more than a 40 Amp overcurrent protective device.

- Verify your contractor’s credentials for the type of work
- Submit plans via online portal at:
<https://acpermit.acgov.org/Portal/#/>
- Approvals from local fire department and utility companies may be required prior to building permit issuance.

Installation

Installations in outdoor locations must demonstrate that the parked vehicle and all components of the EV charging station will NOT be in the Public Right of Way (i.e. on or over the sidewalk) unless otherwise approved by the Public Works Agency.

Inspection

- Follow inspection schedule established by the Building Inspection Department and communicate with building inspector for instruction
- Schedule the inspection early! The first inspection should occur after running conduit but without trench covered, and prior to connecting equipment and running wires

LOCATION & HOURS 510-670-5440

Alameda County Public Works Building
Building Inspection Division
399 Elmhurst Street, Room 141
Hayward, CA 94544
Email: permitbid@acpwa.org

Building Permit Processing Hours

Mon. Tue. Thur. & Fri.: 8:30am – 4:30pm
Wed.: 9:00am – 4:30pm
except holidays

Permit Center Opening Hours


Mon. Tue. Thur. & Fri.: 8:30am – 5:00pm
Wed.: 9:00am – 5:00pm
except holidays

CODES IN EFFECT

2019 California Building Code
2019 California Electrical Code
2019 California Green Building Standards Code

OTHER RESOURCES

- ✓ National Codes and Standards
- ✓ American National Standards Institute (ANSI)
- ✓ National Fire Protection Association (NFPA)
- ✓ Underwriters Laboratories, Inc. (UL)
- ✓ International Association of Electrical Inspectors (IAEI)
- ✓ International Code Council (ICC)
- ✓ NECA-NEIS Standards
- ✓ NECA and NFPA Webinars
- ✓ Electrical Vehicle Infrastructure Training Program (EVITP) Installer Training Course/Certification
- ✓ UL 2202 listed EV charging system
- ✓ Zero-Emission Vehicles in California: Community Readiness Guidebook (https://www.opr.ca.gov/s_zero-emissionvehicles.php)


Public Works Agency Alameda County
399 Elmhurst Street, Hayward, CA 94544
(510) 670-5440, Fax (510) 293-0960
www.acgov.org/pwa/bids.shtml

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Commercial Electric Vehicle Charging Station Permits

2019 California Building Code
IN UNINCORPORATED ALAMEDA COUNTY