

GUIDELINE

RESIDENTIAL ELECTRIC VEHICLE CHARGER PERMITS 2019 CBC

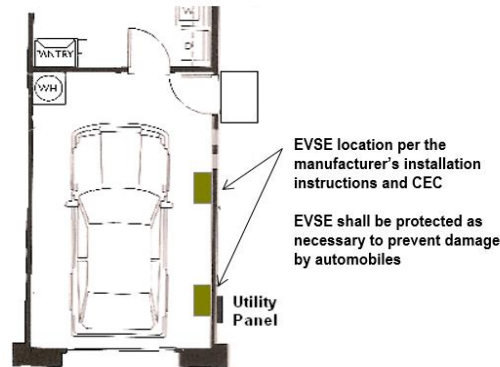
The County issues permits over-the-counter for simple residential electric vehicle charging stations as described below. Other systems may require plan review.

Planning

- Be on the lookout for incentives or beneficial rate structures offered by your utility and by local, state or federal programs
- Identify the level of charger and type of mounting. Confirm that it is compatible with your desired electric vehicle and your home's electric supply
- Verify that your charger meets UL or another testing laboratory's safety requirements
- Determine the physical dimensions of your space – ensure that there is a NEMA rated enclosure and that the charging cord will not have to exceed 25' in length
- Verify your contractor's credentials for the type of work you will require

- Obtain approval from local fire department, utility and planning department
- Schedule a contractor for all necessary work

Typical EVSE Location



Installation

- Display the building permit visibly at the installation site
- Mount the connector between 36" and 48" from the ground unless specified by the manufacturer
- Minimized tripping hazards
- Remove material to run conduit and/or wiring
- Install the proper supports – usually a bolted concrete foundation for floor-mounted models and brackets for wall/pole/ceiling-mounted models
- Repair displaced infrastructure

Inspection

- Schedule the inspection early! The first inspection should occur after running conduit but prior to connecting equipment and running wires
- There will be a second inspection after all installation to make sure everything is running properly and safely

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)



**COUNTY OF ALAMEDA,
PUBLIC WORKS AGENCY,
BUILDING INSPECTION
DEPARTMENT**

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

GUIDELINE

Residential Electric Vehicle Charging Station Permits

2019 California Building Code

IN UNINCORPORATED ALAMEDA
COUNTY