

GUIDELINE

**RESIDENTIAL ELECTRIC VEHICLE CHARGER PERMITS 2022 CBC**

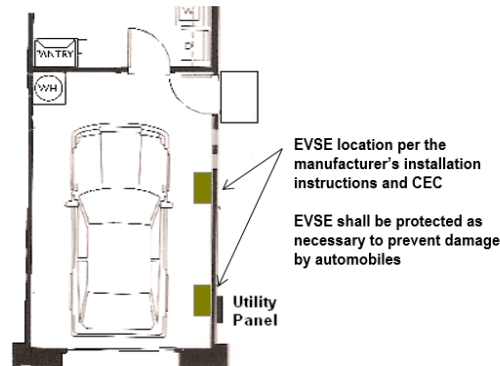
The County issues permits over-the-counter for simple residential electric vehicle charging stations as described below. Other systems may require plan review.

**Plan Ahead**

- 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 permit from building 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](mailto: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

2022 California Building Code

2022 California Electrical Code

2022 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](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  
<https://www.acpwa.org/permits/building-inspections/index.page?>

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## **Residential Electric Vehicle Charging Station Permits**

**2022 California Building Code**

IN UNINCORPORATED ALAMEDA  
COUNTY