



# City of Victorville

## Development Department

Planning ♦ Building ♦ Code Enforcement ♦ Business License ♦ Animal Control

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### Residential and Non-Residential Checklist for Permitting Electric Vehicles and Electric Vehicle Service Equipment (EVSE)

Please complete the following information related to permitting and installation of Electric Vehicle Service Equipment (EVSE) as a supplement to the application for a building permit. This checklist contains the technical aspects of EVSE installations and is intended to help expedite permitting and use for electric vehicle charging.

Upon this checklist being deemed complete, a permit shall be issued to the applicant. However, if it is determined that the installation might have a specific adverse impact on public health or safety, additional verification will be required before a permit can be issued.

This checklist substantially follows the "Plug-In Electric Vehicle Infrastructure Permitting Checklist" contained in the Governor's Office of Planning and Research "Zero Emission Vehicles in California: Community Readiness Guidebook".

-Plans may be submitted in lieu of this check list for residential and non-residential electric vehicles and electrical vehicle service equipment (EVSE).

-Non-residential: In addition to the submitted check list, a site plan must be provide which meets all accessible requirements from 2019 California Building Code 11B-228.3.

Site Address: \_\_\_\_\_ Site Parcel Number: \_\_\_\_\_

Applicant Name: \_\_\_\_\_ Phone No.: \_\_\_\_\_

Contractor Name: \_\_\_\_\_ Phone No.: \_\_\_\_\_

Owner Name: \_\_\_\_\_ Phone No.: \_\_\_\_\_

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Single-Family                | <input type="checkbox"/> Multi-Family (Apartment)      | <input type="checkbox"/> Multi-Family (Condominium) |
| <input type="checkbox"/> Commercial (Single Business) | <input type="checkbox"/> Commercial (Multi-Businesses) |   |
| <input type="checkbox"/> Mixed-Use                    | <input type="checkbox"/> Public Right-of-Way           |   |

Location and Number of EVSE to be Installed:

Garage \_\_\_\_\_ Parking Level(s) \_\_\_\_\_ Parking Lot \_\_\_\_\_ Street Curb \_\_\_\_\_

Description of Work: \_\_\_\_\_  
\_\_\_\_\_

EVSE Charging Level:     Level 1 (120V)     Level 2 (240V)     Level 3 (480V)

Maximum Rating (Nameplate) of EV Service Equipment = \_\_\_\_\_ kW

Voltage EVSE = \_\_\_\_\_ V      Manufacturer of EVSE: \_\_\_\_\_

Mounting of EVSE:  Wall Mount     Pole Pedestal Mount     Other \_\_\_\_\_

System Voltage: <input type="checkbox"/> 120/240V, 1 $\phi$ , 3W <input type="checkbox"/> 120/208V, 3 $\phi$ , 4W <input type="checkbox"/> 120/240V, 3 $\phi$ , 4W <input type="checkbox"/> 277/480V, 3 $\phi$ , 4W <input type="checkbox"/> Other _____
Rating of Existing Main Electrical Service Equipment = _____ Amperes
Rating of Panel Supplying EVSE (if not directly from Main Service) = _____ Amps
Rating of Circuit for EVSE: _____ Amps / _____ Poles
AIC Rating of EVSE Circuit Breaker (if not Single Family, 400A) = _____ A.I.C. (or verify with Inspector in field)

Specify Either Connected, Calculated or Documented Demand Load of Existing Panel:
<ul style="list-style-type: none"> <li>• Connected Load of Existing Panel Supplying EVSE = _____ Amps</li> </ul>
<ul style="list-style-type: none"> <li>• Calculated Load of Existing Panel Supplying EVSE = _____ Amps</li> </ul>
<ul style="list-style-type: none"> <li>• Demand Load of Existing Panel or Service Supplying EVSE = _____ Amps (Provide Demand Load Reading from Electric Utility)</li> </ul>
Total Load (Existing plus EVSE Load) = _____ Amps
<i>For Single Family Dwellings, if Existing Load is not known by any of the above methods, then the Calculated Load may be estimated using the "Single-Family Residential Permitting Application Example" in the Governor's Office of Planning and Research "Zero Emission Vehicles in California: Community Readiness Guidebook"</i> <a href="https://www.opr.ca.gov">https://www.opr.ca.gov</a>

EVSE Rating _____ Amps x 1.25 = _____ Amps = Minimum Ampacity of EVSE Conductor = # _____ AWG
For Single-Family: Size of Existing Service Conductors = # _____ AWG or kcmil - or - : Size of Existing Feeder Conductor Supplying EVSE Panel = # _____ AWG or kcmil (or Verify with Inspector in field)

I hereby acknowledge that the information presented is a true and correct representation of existing conditions at the job site and that any causes for concern as to life-safety verifications may require further substantiation of information.

Signature of Permit Applicant: \_\_\_\_\_ Date: \_\_\_\_\_