



City of Solvang

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" and is purposed to augment the guidebook's checklist.

| | |
|---|------------|
| Job Address: | Permit 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: | |
| | |

| | |
|---------------------------|----------------------|
| Applicant Name: | |
| Applicant Phone & email: | |
| Contractor Name: | License Number/Type: |
| Contractor Phone & email: | |

| |
|----------------------|
| Owner Name: |
| Owner Phone & email: |

| | |
|--|-----------------------------|
| EVSE Charging Level: <input type="checkbox"/> Level 1 (120V) <input type="checkbox"/> Level 2 (240V) <input type="checkbox"/> Level 3 (480V) | |
| Maximum Rating (Nameplate) of EV Service Equipment = _____ kW | |
| Voltage EVSE = _____ V | Manufacturer of EVSE: _____ |
| Mounting of EVSE: <input type="checkbox"/> Wall Mount <input type="checkbox"/> Pole Pedestal Mount <input type="checkbox"/> Other _____ | |

| |
|--|
| System Voltage: <input type="checkbox"/> 120/240V, 1 ϕ , 3W <input type="checkbox"/> 120/208V, 3 ϕ , 4W <input type="checkbox"/> 120/240V, 3 ϕ , 4W <input type="checkbox"/> 277/480V, 3 ϕ , 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. <i>(or verify with Inspector in field)</i> |

| |
|---|
| Specify Either Connected, Calculated or Documented Demand Load of Existing Panel: |
| <ul style="list-style-type: none"> • Connected Load of Existing Panel Supplying EVSE = _____ Amps |
| <ul style="list-style-type: none"> • Calculated Load of Existing Panel Supplying EVSE = _____ Amps |
| <ul style="list-style-type: none"> • Demand Load of Existing Panel or Service Supplying EVSE = _____ Amp <i>(Provide Demand Load Reading from Electric Utility)</i> |

Total Load (Existing plus EVSE Load) = _____ Amps

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" <https://www.opr.ca.gov>

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: _____