



PLANNING AND BUILDING DEPARTMENT

BUILDING DIVISION

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Electric Vehicle Supply Equipment (EVSE) Submittal Requirements for Commercial Projects

1. Site Plan:

The site plan must include:

- ☐ Project data
- ☐ EVSE locations and quantities
- ☐ Accessible path of travel
- ☐ Associated details as required by the *California Green Building Standards Code*

2. EVSE Plans:

EVSE plans should contain the following sections:

- ☐ Electrical Plans:
- ☐ Electrical site plan
- ☐ EVSE layout and circuitry
- ☐ Equipment schedule and EVSE cut sheets
- ☐ Location of utility transformer, service equipment, panelboards, controllers, etc.
- ☐ Physical protection measures for EVSE

3. Single-Line Diagrams and Plans:

- ☐ Main service size
- ☐ Size and type of service entrance conduit and conductors
- ☐ Size of wireways or busways
- ☐ Size and type of all overcurrent protective devices
- ☐ Feeder details (size and type of conduit and conductors)
- ☐ AIC ratings for service and panelboards
- ☐ Transformer specifications (size and type)

4. Load Calculations:

- ☐ Complete California Electrical Code (CEC) calculations based on square footage and actual loads
(Note: EVSE is considered a continuous load)

5. Complete Panel Schedules:

- ☐ Voltage and ampere ratings
- ☐ Phase and wire number (3 or 4)
- ☐ Size of all overcurrent protection devices
- ☐ Main circuit breaker (MCB) or main lugs only (MLO)
- ☐ AIC rating of service and panelboards
- ☐ Load details for each circuit
- ☐ Total panel load