

**CALIFORNIA BUILDING STANDARDS COMMISSION
& DIVISION OF THE STATE ARCHITECT**

**August 18, 2022
CALGREEN EV WORKSHOP
Agenda Items 5c**

**DRAFT EXPRESS TERMS
CALIFORNIA GREEN BUILDING STANDARDS CODE,
(CALGreen), PART 11,
CALIFORNIA BUILDING STANDARDS CODE,
TITLE 24, CALIFORNIA CODE OF REGULATIONS**

If using assistive technology, please adjust your settings to recognize underline, strikeout and ellipsis.

LEGEND for EXPRESS TERMS

- Existing amendments appear upright
 - Amendments appear underlined
 - Repealed California language appears ~~upright and in strikeout~~
-

[Existing code language shown for context. No changes proposed]

SECTION 5.106, SITE DEVELOPMENT

...

5.106.5.3 Electric vehicle (EV) charging. [N] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging...

5.106.5.3.1 EV capable spaces.

[N] EV capable spaces shall be provided...following requirements:

- 1...
- 2...
- 3...
- 4...

Note:...

5.106.5.3.2 Electric vehicle charging stations (EVCS). EV capable spaces ... be provided.

One EV charger...supplied to the EV charger.

The installation of each DCFC EVSE shall... be permitted to reduce the minimum panel or subpanel.

5.106.5.3.3 Use of automatic load management systems (ALMS). ALMS shall be permitted...multiple EVs.

5.106.5.3.4 Accessible EVCS. When EVSE is ... *Chapter 11B Section 11B-228.3.*

Note: For EVCS signs, refer to...

TABLE 5.106.5.3.1

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE) ^{2 & 3}
0-9	0	0
...
...
201 and over	20 percent of total ¹	25 percent of EV capable spaces ¹

1. Calculation...
2. The number...

...

[Proposed amendments for Electric Vehicle regulations for additions and alterations shown underlined below. Open for discussion]

AGENDA ITEM 5c

Rationale: BSC-CG and DSA are proposing to add a new code Section 5.106.5.6 Electric vehicle charging stations (EVCS) for certain additions and alterations for nonresidential occupancies under BSC-CG and DSA authority.

5.106.6.x Electric vehicle charging for additions and alterations of parking facilities serving existing nonresidential buildings. When new parking facilities are added, or electrical systems or lighting of existing parking facilities are added, and the work requires a building permit, ten (10) percent of the total number of parking spaces added or altered shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Refer to Section 5.106.5.3.1 for EV capable space requirements.

Notes:

1. Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging.
2. There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use.

For DSA-SS: Additions and Alterations:

For student parking lots:

For Staff parking lots.

e.g. Menlo Park: Additions and Alterations:

For A&A between 10,000 SF-25,000 SF provide Level 2 EVSE for a minimum of 5% of the total number of actual parking spaces being added with a minimum of one. Refer to Section 5.106.5.3 for charger requirements.

For A&A greater 25,000 SF provide Level 2 EVSE for a minimum of 10% of the total number of actual parking spaces being added with a minimum of one. Refer to Section 5.106.5.3 for charger requirements.

e.g-San Anselmo-Nonres, Marin Co & Mill Valley:

A&A less than 3,000 sf:

1. If the service panel is modified, add designated electrical capacity for 20% of onsite parking spaces to be EV capable.
2. When parking lot surface is modified (paving material and curbing removed), add conduit to all exposed parking spaces. When existing electrical service will not be upgraded in the existing project scope, designate capacity for parking spaces to the maximum extent that does not require an upgrade to existing electrical service.

[We are reaching out to the LEAs to see how this regs are working out]

e.g. Davis: If the service panel is modified, add designated electrical capacity for 20% of onsite parking spaces to be EV capable.