74-4.006 - Amendments to California Green Building Standards Code Regarding Electric Vehicles

The 2019 California Green Building Standards Code ("CGBSC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72. Section numbers used below are those of the 2019 California Green Building Standards Code.

(a) Section 202 (Definitions) of CGBSC Chapter 2 (Definitions) is amended by replacing the definition of Electric Vehicle Charging Space (EV Space) with the following:

ELECTRIC VEHICLE CHARGING SPACE (EV SPACE). A space intended for current or future installation of EV charging equipment and charging of electric vehicles.

(b) Section 4.106.4.2 (New multifamily dwellings) of CGBSC Chapter 4 (Residential Mandatory Measures) is amended to read:

Section 4.106.4.2 New multifamily dwellings. For any new multifamily dwelling other than a dwelling type specified in Section 4.106.4.1, if residential parking is provided, 10 percent of the total number of parking spaces at the dwelling site shall be electric vehicle charging spaces (EV spaces). Half of the EV spaces, but not less than one, shall be equipped with fully-operational electric vehicle supply equipment (EVSE). The remaining EV spaces shall be capable of supporting future EVSE. The location and type of each EV space shall be identified on construction documents. Calculations to determine the number of EV spaces shall be rounded up to the nearest whole number.

(c) Section 5.106.5.3 (Electric vehicle (EV) charging) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is amended to read:

Section 5.106.5.3 Electric vehicle (EV) charging. [N] New nonresidential construction shall provide the required number of electric vehicle charging spaces (EV spaces) per Table 5.106.5.3.3. Each EV space shall be equipped with fully-operational electric vehicle supply equipment (EVSE). Each EV space shall be constructed in accordance with the California Building Code and California Electrical Code.

(d) Section 5.106.5.3.1 (Single charging space requirements) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is deleted.

(e) Section 5.106.5.3.2 (Multiple charging space requirements) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is deleted.

(f) Section 5.106.5.3.3 (EV charging space calculations) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is amended to read:

Section 5.106.5.3.3 EV charging space calculations. [N] For new nonresidential construction, the required number of EV charging spaces equipped with fully-operational EVSE is calculated in accordance with Table 5.106.5.3.3.

Exception: On a case-by-case basis, the building official may authorize new construction to include fewer EV charging spaces than would otherwise be required by Table 5.106.5.3.3, or require no spaces, if the building official determines either of the following:

1. There is insufficient electrical supply to the new construction to adequately serve the required number of EV charging spaces.
2. The cost of the new construction will be substantially adversely impacted by any local utility infrastructure design requirements that are directly related to the installation of the required number of EV charging spaces.

TABLE 5.106.5.3.3
NONRESIDENTIAL CHARGING
SPACE CALCULATION

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
1—9	0
10	1
11—25	2
26—50	3
51—75	5
76—100	6
101—200	12
201 and over	6%*

*Calculation for spaces shall be rounded up to the nearest whole number

(g) Section 5.106.5.3.5 (Future charging spaces) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is amended to read:

Section 5.106.5.3.5 Designated parking credit. [N] Each EV charging space required by Section 5.106.5.3.3 shall be counted as one designated parking space required by Section 5.106.5.2.

(Ords. 2019-31 § III, 2016-22 § III).