

# 2022 California Green Building Standards Code (CGBSC)

## Changes

### SUMMARY

The following checklist includes the relevant changes in the 2022 CGBSC from the previous 2019 CGBSC.

### SIGNIFICANT MANDATORY MEASURE CHANGES

NEW - CHANGE	CGBSC SECTION/TABLE NUMBER	COMMENTARY	MASTER PLAN IMPACT YES - NO
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Automatic Load Management Systems - ALMS.</b> Added to clarify the term as used within CGBSC and in the EV charging industry and refers to ALMS which is allowed for use by the California Electrical Code.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Electric Vehicle (EV) Capable Space.</b> Added to clarify the term as used within CGBSC and in the EV charging industry and refers to a space which has capability or infrastructure to facilitate future EV charging.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Electric Vehicle (EV) Ready Space.</b> Added to clarify the term as used within CGBSC and in the EV charging industry and refers to a space which is ready for EV charging and equipped with a receptacle or charger.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Level 2 Electric Vehicle Supply Equipment (EVSE).</b> Added to residential sections of CGBSC and clarifies that the new term as used within Sections 4.106.4.2. and A4.106.8.2.1 refers a Level 2 EV charger and supporting electrical equipment.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Low-Power Level 2 Electric Vehicle (EV) Charging Receptacle.</b> Added to residential sections of CGBSC to clarify the electrical requirements for this type of receptacle as required in Sections 4.106.4.2.1 and 4.106.4.2.2.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Non-water Urinal with Drain Cleansing Action.</b> Amended from "Urinal, Hybrid" to "Non-water Urinal with Drain Cleansing Action" to align terminology with the California Plumbing Code; no change in regulatory effect.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Off-Street Loading Spaces.</b> Added to align with the new code language for EV charging for medium-duty and heavy-duty vehicles.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	202	<b>Zero-Emitting and High-Efficient Vehicles.</b> Amended from "Low-Emitting and Fuel-Efficient Vehicles" to "Zero-emitting and High-efficient Vehicles."	<input type="checkbox"/> <input checked="" type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	301.1.1	<b>Addition and Alterations.</b> Language added to indicate that some mandatory provisions may also apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multi-family building.	<input checked="" type="checkbox"/> <input type="checkbox"/>

SIGNIFICANT MANDATORY MEASURE CHANGES (cont'd)

NEW - CHANGE	CGBSC SECTION/TABLE NUMBER	COMMENTARY	MASTER PLAN IMPACT YES - NO
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.106.4	<p><b>Electric Vehicle (EV) Charging for New Construction.</b> Expanded EV charging requirements to installation of EV charging receptacles and EV chargers (EVSE). Modified Exception 1 to address situations in which there is no local utility power supply or when the local utility is unable to supply adequate power. Repealed references to specific dollar amounts for exceptions due to variations in utility costs based upon locations. Included an exception related to adverse impact to construction cost of a project, similar to the provision for nonresidential EV charging.</p>	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.106.4.2	<p><b>New Multi-family Dwellings, Hotels and Motels and New Residential Parking Facilities.</b> New regulation to clarify that calculations for EV spaces are to be rounded up to the nearest whole number and EV spaces to be counted as parking spaces only for the purposes of meeting parking space requirements at the local level (Vehicle Code Section 22511.2).</p>	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.106.4.2.1	<p><b>Multifamily Development Projects with Less than 20 Dwelling Units; and Hotels and Motels with Less than 20 Sleeping Units or Guest Rooms.</b> New regulation requiring that ten percent of the total number of parking spaces on a building site support future Level 2 EVSE, the installation of EV ready spaces for twenty-five percent (25%) of the total number of parking spaces equipped with low power Level 2 EV charging receptacles, and clarification that no more than one receptacle must be installed per dwelling unit.</p>	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.106.4.2.2	<p><b>Multifamily Development Projects with 20 or More Dwelling Units, Hotels and Motels with 20 or More Sleeping Units or Guest Rooms.</b> New regulations requiring that ten percent (10%) of the total number of parking spaces on site support future Level 2 EVSE; the installation of EV-ready spaces for twenty-five percent (25%) of the total number of parking spaces equipped with low power Level 2 EV charging receptacles; and five percent (5%) of the total number of parking spaces shall be equipped with Level 2 EVSE. The use of an ALMS is allowed when low-power Level 2 EV charging receptacles or Level 2 EVSE are installed beyond the minimum required.</p>	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.106.4.2.2.1	<p><b>Electric Vehicle Charging Stations (EVCS).</b> Added requirements for space location and dimensions, with a reference to the California Building Code to address accessibility.</p>	<input checked="" type="checkbox"/> <input type="checkbox"/>

**SIGNIFICANT MANDATORY MEASURE CHANGES** (cont'd)

NEW - CHANGE	CGBSC SECTION/TABLE NUMBER	COMMENTARY	MASTER PLAN IMPACT YES - NO	
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.106.4.2.3	<b>EV Space Requirements.</b> Amended requirements for single and multiple EV spaces, and added a requirement for EV-ready space signage.		
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.106.4.3	<b>Electric Vehicle Charging For Additions and Alterations of Parking Facilities Serving Existing Multifamily Buildings.</b> Expanded EV charging infrastructure for additions and alterations triggered when new parking facilities are added, or electrical systems or lighting of existing parking facilities are added or altered, and the work requires a building permit. The new regulation requires that 10 percent (10%) of the total number of parking spaces being added or altered be EV capable to support future Level 2 EVSE.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	4.410.1	<b>Operation and Maintenance Manual.</b> Added a new Item 12 to require that the operation and maintenance manual contain information and/or drawings identifying the location of grab bar reinforcements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	A4.602	<b>Residential Occupancies Application Checklist.</b> Amended checklist sections affected by code updates.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	5.106.5.2	<b>Designated Parking for Clean Air Vehicles</b> Repealed the mandatory requirement for designated parking for clean air vehicles.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	5.106.5.3 through 5.106.5.3.4	<b>Electric Vehicle (EV) Charging.</b> Amended to increase the EV capable space percentages and add a new requirement for installed Level 2 or DCFC chargers.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	5.106.5.4	<b>Electric Vehicle (EV) Charging: Medium-Duty and Heavy-Duty.</b> Added new regulations for electric vehicle charging readiness requirements for new construction of warehouses, grocery stores and retail stores with planned off-street loading spaces.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	5.504.4.7, 5.504.4.7.1	<b>Thermal Insulation.</b> Relocated thermal insulation from voluntary to mandatory and added verification of compliance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	5.504.4.8, 5.504.4.8.1	<b>Acoustical Ceilings and Wall Panels.</b> Relocated acoustical ceilings and wall panels from voluntary to mandatory along with verification of compliance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**SIGNIFICANT MANDATORY MEASURE CHANGES** (cont'd)

NEW - CHANGE	CGBSC SECTION/TABLE NUMBER	COMMENTARY	MASTER PLAN IMPACT YES - NO
<input type="checkbox"/> <input checked="" type="checkbox"/>	A5.602, A5.602.1, A5.602.2	<p><b>Non-Residential Occupancies Application Checklists.</b>                      Amended checklist sections affected by code updates.</p>	<input type="checkbox"/> <input checked="" type="checkbox"/>