

BUILDING STANDARDS COMMISSION

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WORKSHOP NOTICE & AGENDA CALGREEN ELECTRIC VEHICLE WORKSHOP

**CALIFORNIA BUILDING STANDARDS COMMISSION
with the DIVISION OF THE STATE ARCHITECT, CALIFORNIA ENERGY
COMMISSION, CALIFORNIA AIR RESOURCES BOARD, and the
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT**

**California Green Building Standards Code (CALGreen), Part 11,
Title 24 of the California Code of Regulations**

Meeting Date: October 19, 2023, 9:00 a.m. - 4:00 p.m.

Notice is hereby given that the California Building Standards Commission (BSC), the Division of the State Architect (DSA), the California Energy Commission, the California Air Resources Board, and the Department of Housing and Community Development staff will convene a CALGreen Electric Vehicle Workgroup meeting comprised of interested parties and state agencies to provide input and feedback for future EV regulations in CALGreen. The proposed regulatory updates may be considered for inclusion in the 2024 California Green Building Standards Code, Part 11 during the 2024 Triennial Code Cycle. The public is invited to participate and provide input and comments.

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us06web.zoom.us/j/82037529662?pwd=x2U8bnhJRRI3ClpHczjopNCRZ6uQbO.1

Meeting ID: 820 3752 9662 Passcode: 544457

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Meeting materials may be viewed on CBSC's website: [2024 Pre-Cycle page](https://www.dgs.ca.gov/BSC/Rulemaking/2024-Triennial-Cycle/2024-PreCycle)
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AGENDA ITEMS:

1) Introduction and workshop overview by BSC, DSA & HCD staff

a) Purpose and goals (5 minutes)

- b) BSC rulemaking timeline (2024 Triennial Code Adoption Cycle) (5 minutes)
- c) Roundtable Participant introductions. (name, affiliation, and why is this topic of interest to your organization - 2 minutes per person) (20 minutes)

2) Discuss the Charter (45 minutes)

- a) Proposing State Agencies Role and Responsibilities listed in the Charter (BSC, DSA & HCD) (20 mins)
- b) Subject Matter Expert State Agencies recap their mandates and reports related to EV regulations listed in the Charter (CARB & CEC) (20 minutes)
- c) Discuss workshop meeting date listed in the Charter (5 minutes)

3) Recently approved CALGreen EV regulations during the 2022 Intervening Code Adoption Cycle (examples) (Effective July 1, 2024) (45 minutes)

- a) Adopted EV definitions in coordination with DSA and HCD.
- b) Allow the use for DCFCs to be substituted on a 1 to 5 ratio for both EV capable spaces (already allowed) or independently Level 2 EVSEs. (BSC only)
- c) Allow the use of Low Power Level 2 receptacles to be substituted for EV capable spaces without EVSE on a 2 to 1 ratio (BSC only)
- d) Adopted a new code Section for Electric vehicle charging stations (EVCS)- Power allocation method as an alternative compliance pathway solely based on power in kVA in lieu of current EV charging requirements. (BSC/DSA)
- e) Adopted EV regulations for qualifying additions and alterations to existing buildings or parking facilities (BSC/DSA).
- f) Amended EV regulations for infrastructure in medium- and heavy-duty zero emissions vehicles (ZEV) to include office buildings and manufacturing facilities.
- g) Amended the EV regulations for Tier 1 and Tier 2 to align with similar amendments for the mandatory EV proposals.
- h) Developed Electric vehicle charging regulations for qualifying additions and alterations to parking facilities serving existing Nonresidential occupancies (BSC/DSA).
- i) DSA relocated existing co-adopted EV charging language into a school specific code section and related sub-sections with amendments.
- j) DSA added the requirements to install EVSE with Level 2 EVSE in all existing EV capable spaces to create EVCS.
- k) HCD increased required EV equipment installation percentages for new hotels, motels and new multifamily residential parking facilities in chapter 4 and associated voluntary measures in chapter A4.
- l) HCD repealed EV capable spaces in favor of higher percentages of low power Level 2 chargers and increased percentages of Level 2 chargers.
- m) HCD will require dedicated EV branch circuit connection to dwelling unit electrical panel in new multifamily units.
- n) HCD will Require the use of various NEMA EV charging receptacles.
- o) HCD made minor code updates to EV regulations for additions and alterations.

4) EV Code change suggestions from the state agencies (195 minutes).

- a) Pursuant to AB 2075, convene a workshop on EV charging infrastructure standards that includes HCD, DSA, CARB, CEC, and other relevant stakeholders to consider, among other things, projected demand for EV charging infrastructure based on the state's goals, as specified.
- b) Consider to Co-adopt HCD's EV exceptions for unmanned automated lifts.
- c) Consider increasing volt and amperage requirements to future-proof low-power Level 2 EV Charging Receptacles to accommodate future level 2 charging.
- d) Consider amending EVSE Receptacles regulation to comply with NEMA standard configurations in alignment with the Department of Housing and Community Development's recent 2022 Intervening Code Adoption Cycle amendment.
- e) Consider amending the EV Table requirements for parking spaces between 10-25 for both mandatory regulations and voluntary measures to require one EVSE in alignment with the Division of the State Architect's (DSA) recent 2022 Intervening Code Adoption Cycle amendment.
- f) Reassess EV charging percentages based on comments received during the 2022 Intervening Code Adoption cycle (pre-cycle activities) specific to retail and office employee charging needs using low power Level 2. *Is this still needed since the adoption of the Power allocation method?*
- g) Consider amending EV regulations to repeal EV capable charging space requirements in favor of installed charging stations in alignment with the Department of Housing and Community Development's (HCD) recent 2022 Intervening Code Adoption Cycle amendment. *Note: Discuss increasing EVCS percentages in lieu of repealing EV capable spaces.*
- h) Pursuant to AB 1738, in coordination with HCD and other relevant agencies, research, develop, and propose for adoption mandatory building standards for the installation of EV charging stations in existing Residential multifamily and nonresidential developments during specified qualifying retrofits, additions, and alterations to existing parking facilities. This would include, but not be limited to, the following proposal:

Consider amending the regulations for Existing buildings or parking areas with previously installed EV capable infrastructure to build out the existing EV capable spaces first and require a minimum of one Level 2 EVSE.
- i) Review HCD's draft proposal for EV charging building standards, Chapter 4 Section 4.106.4.2.2 Multifamily dwellings, hotels and motels.
- j) Discuss the use of automatic load management system (ALMS) as part of HCD's draft proposal for mandatory EV charging building standards, Chapter 4 Section 4.106.4.2.6 Hotels and motels.
- k) Discuss HCD's draft proposal for Appendix A4 Residential Voluntary Measures, Section A4.106.8.2 New Multifamily dwellings, hotels, and motels.

5) Related items not on the agenda (15 minutes)

6) Action Items (30)

7) Adjourn

MEETING INFORMATION

CBSC conducts public meetings to ensure adequate opportunity for public participation and to perform a technical review of code changes pursuant to [Health and Safety Code Section 18929.1 and Government Code Section 11346.45](#). Materials reviewed during meetings are available for public review and comment on [CBSC's website](#) at dgs.ca.gov/BSC. Members of the public may also contact the commission to request a copy of the materials.

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Please contact the California Building Standards Commission with any questions concerning this meeting notice/agenda at 2525 Natomas Park Drive, Suite 130, Sacramento, California 95833, by telephone at (916) 263-0916, by email at cbsc@dgs.ca.gov or visit the [CBSC website](#) at dgs.ca.gov/BSC.

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