APPROVED BY THE CALIFORNIA BUILDING STANDARDS COMMISSION
December 17, 2024

# COMMISSION ACTION MATRIX – SOS filinggreen building sTANDARDS (green) CODE ADVISORY COMMITTEE

## 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, PART 11 (calgreen)AGENCY: CALIFORNIA BUILDING STANDARDS COMMISSION, BSC 03/24

### LEGEND:

**CAC Actions:** Approve, Disapprove, Approve as Amended, Further Study Required

**Agency Responses:** Accept, Disagree, Withdraw

**CBSC Actions:** Approve, Disapprove, Approve as Amended, Further Study Required

**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required

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

* Existing California amendments appear upright
* Amended or new California amendments appear underlined
* Repealed California language appears ~~upright and in strikeout~~
* Ellipses (…) indicate existing text remains unchanged

**ITEM 1
CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES
*DIVISION 5.1 – PLANNING AND DESIGN,* SECTION 5.106.4.1** **Bicycle parking**

Amend Section 5.106.4.1 with subsections as listed below.

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| **BSC 03/24Item Number 1** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **1-1** | **5.106.4.1.1 Short-term bicycle parking and Exception** | **Further Study Required** | **Accept** | **45-Day:** J. Sanchez; CAL Bike Coalition letter and 11 commenters in support of the letter. Recommends: **Amend**12 various Individual commenters.Recommend: **Amend****Public Hearing:** B. Nesbit. Recommends: **Amend****15-Day:** E. Smith; City of Clovis. Recommends: **Amend** | Amend this section to change the triggers and percentages for compliance based on “visitor foot traffic” versus the number of visitors motorized vehicle parking spaces. **CAC:** Further Study under **criteria 4** and **6** to clarify the meaning of “visitor foot traffic” and suggested the use of “average” or “peak” daily. See ET and ISOR for changes.**BSC response to 45-day and Public Hearing comments:** BSC proposed modifications to the language in 15-day ET. See FSOR for explanation and list of CALBike support commenters and various individuals.**BSC response to 15-day comments:** No further amendments to ET. See FSOR. | **Approve** |
| **1-2** | **5.106.4.1.2 Long-term bicycle parking.****5.106.4.1.~~3~~.2.1****5.106.4.1.~~4~~ 2.2****5.106.4.1.~~5~~ 2.3 with ~~Note~~**  | **Approve**  | **Accept** | **45-Day:** J. Sanchez; CAL Bike Coalition letter and 11 commenters in support of the letter. Recommends: **Amend**12 various Individual commenters.Recommend: **Amend.****Public Hearing**:B. Nesbit. Recommends: **Amend** | Amend these sections to change the triggers and percentages for compliance based on visitor “foot” traffic versus the number of visitors motorized vehicle parking spaces. Renumber subsections. Repeal Note regarding reference to the bicycle association.**BSC response to 45-day and Public Hearing comments:** BSC proposed modifications to the language in 15-day ET. See FSOR for explanation and list of CALBike support commenters and various individuals. | **Approve** |

**ITEM 2
SECTION 5.106.5.3 Electric vehicle (EV) charging**

Amend Section 5.106.5.3 as listed below.

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| **BSC 03/24Item Number 2** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **2-1** | **5.106.5.3 Electric vehicle (EV) charging, Exception 2.** | **Further Study Required** | **Disagree**  | **45-Day:** D. Leung; California Energy Commission (CEC). Recommends: **Approve**S. Skala. Recommends: **Amend.** R. Murali; PowerFlex. Recommends: **Amend** for Section 5.106.5.3.1**Public Hearing**:J. Hart; PowerFlex. Recommends: **Amend** for Section 5.106.5.3.1B. Nesbit. Recommends: Questions rationale for lifts. | Amend the existing Exception 2 for parking spaces accessible only by automated mechanical car parking systems to align with HCD’s current exception for Areas of parking facilities served by parking lifts.**CAC:** Further Study under **criteria** **1** and **3** to coordinate with HCD, verify health and safety issues and whether the lift system is UL listed. No changes in ET, see ISOR for information.**BSC response to 45-day and Public Hearing comments:** No further amendments to 45-Day ET. See FSOR for explanation and additional rationale. | **Approve** |

**ITEM 3
TABLE 5.106.5.3.1 EV CAPABLE SPACES**

Amend Table 5.106.5.3.1 and footnote 2 as listed below.

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| **BSC 03/24Item Number 3** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **3-1** | **TABLE 5.106.5.3.1EV capable spaces and EVCS, and footnote 2** | **Approve**  | **Disagree** | **45-Day:** D. Leung; CEC. Recommends: **Approve**W. Chou; Electric Vehicle Charging for All Coalition (EVCAC) and 9 signatories.Recommends: **Amend** K. Cunningham, C. Kim, J. Reefe; California Statewide Utility Codes and Standards (CASE)Team. Recommends: **Amend****Public Hearing:**D. Corelis; EVCAC. Recommends: **Amend** S. Thesen; EVCAC. Recommends: **Amend**B. Nesbit. Recommends: Research dwell times.**15-Day:**W. Chou; EVCAC and 9 signatories. Recommends: **Approve** | Amend the existing table title. Add Column 4 for Office and Retail occupancies, increase number of required EVCS in column 3 and amend footnote 2.**POST CAC:** BSC modified the table title. See ET and ISOR for changes.**BSC response to 45-day and Public Hearing comments:** BSC proposed some modifications to the language in 15-day ET (Table 5.106.5.3.1 row one, parking spaces range). See FSOR for explanation and list of signatories. | **Approve** |

**ITEM 4
TABLE 5.106.5.3.2** **Electric vehicle charging stations (EVCS)**

Amend Section 5.106.5.3.2 subsections as listed below.

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| **BSC 03/24Item Number 4** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **4-1** | **5.106.5.3.2.1** **Receptacle Configurations.** | **Approve**  | **Accept** | **45-day:** D. Leung; CEC. Recommends: **Approve**W. Chou; Electric Vehicle Charging for All Coalition (EVCAC) and 9 signatories.Recommends: **Amend** | Add new section to specify NEMA standard charging receptacles.**BSC response to 45-day comments:** No further amendments in ET. See FSOR. | **Approve** |
| **4-2** | **5.106.5.3.2.2 EV Charger Connectors,****5.106.5.3.2.~~1~~ 3** | **Approve**  | **Accept** | **45-Day:** D. Leung; CEC. Recommends: **Approve**K. Cunningham, C. Kim, J. Reefe; CASE Team. Recommends: **Amend**K. Corby; CalETC. Recommends: **Approve**M. Skowron; ChargePoint and B. Brint; SWTCH. Recommend: **Amend****Public Hearing:**M. Zebiak: 2050 Partners and CASE Team.Recommends: **Amend**K. Corby; CalETC. Recommends: **Approve**J. Cohen; ChargePoint and B. Brint; SWTCH. Recommend: **Amend** | Add new Section to address EV Charger connectors.Renumber Section 5.106.5.3.2.1 to 5.106.5.3.2.3.**BSC response to 45-day and Public Hearing comments:** No further amendments in ET. See FSOR. | **Approve** |
| **4-3** | **5.106.5.3.2.~~2~~ 4,** **5.106.5.3.2.4.1 Raceway Capacity Requirements.** | **Approve**  | **Accept** | **45-day:** D. Leung; California Energy Commission (CEC). Recommends: **Approve**K Cunningham and California Energy Codes and Standards (CASE) Team. Recommends: **Approve** K. Corby; CalETC. Recommends: **Approve****Public Hearing:** M. Zebiak: 2050 partners and CASE Team.Recommends: **Approve** | Renumber Section 5.106.5.3.2.2 to 5.106.5.3.2.4.Add new section to address Raceway Capacity Requirements. | **Approve** |

**ITEM 5
table 5.106.5.3.6 EVCS—power allocation method**

Amend Table 5.106.5.3.6 and footnotes as listed below.

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| **BSC 03/24Item Number 5** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **5-1** | **TABLE 5.106.5.3.6EVCS—Power allocation method** | **Approve**  | **Accept** | **45-Day:** D. Leung; CEC. Recommends: **Approve**W. Chou; EVCAC with signatories. Recommends: **Amend** **15-Day:**W. Chou; EVCAC with signatories. Recommends: **Approve** | Amend the existing table title. Add column 4 for Office and Retail occupancies. Amend existing footnote 3 and add footnote 5.**BSC response to 45-day comments:** BSC proposed modifications to the language in 15-day ET. See FSOR. | **Approve** |

**ITEM 6
Section 5.106.5.3.6 Electric vehicle charging stations (EVCS)** **–power allocation method**

Add Subsections to Section 5.106.5.3.6 as listed below.

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| **BSC 03/24Item Number 6** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **6-1** | **5.106.5.3.6.1 Receptacle configurations.** | **Approve**  | **Accept** | **45-day:** D. Leung; CEC. Recommends: **Approve** | Add new section to specify NEMA standard charging receptacles. | **Approve** |
| **6-2** | **5.106.5.3.6.2 EV Charger connectors.** | **Approve**  | **Accept** | **45-Day:** D. Leung; CEC. Recommends: **Approve**M. Skowron; ChargePoint and B. Brint; SWTCH. Recommend: **Amend****Public Hearing:**M. Zebiak: 2050 Partners and CASE Team.Recommends: **Amend** | Add new section to address EV Charger connectors.**BSC response to 45-day comments:** No further amendments to ET. See FSOR. | **Approve** |
| **6-3** | **5.106.5.3.6.3 Raceway Capacity Requirements.** | **Approve**  | **Accept** | **45-day:** D. Leung; CEC. Recommends: **Approve** **Public Hearing:**M. Zebiak: 2050 Partners and CASE Team.Recommends: **Approve** | Add new section to address Raceway Capacity Requirements. | **Approve** |

**ITEM 7
SECTION 5.106.5.4.2** **Existing buildings or parking areas with previously installed EV capable infrastructure**

Amend Section 5.106.5.4.2 as listed below.

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| **BSC 03/24Item Number 7** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **7-1** | **5.106.5.4.2 Existing buildings or parking areas with previously installed EV capable infrastructure.** | **Approve as Amended** | **Accept** | **45-Day:** D. Leung; CEC. Recommends: **Approve**P. Kobernick; Peninsula Clean Energy (PCE). Recommends: **Approve ITEM 7-1** and **Amend** Section 5.106.5.4. | Amend this section to clarify that all existing EV capable spaces must be built-out prior to any new EV capable spaces being added.**CAC:** Approve as Amended under **criteria 4** and **6** to replace the term “build out” with other terms that would help to clarify intent of the code language. See ET and ISOR for changes.**BSC response to 45-day comments:** No further amendments to ET. See FSOR. | **Approve** |

**ITEM 8
*DIVISION 5.3 – WATER EFFICIENCY AND CONSERVATION*, SECTION 5.503 INDOOR WATER USE**

Amend Section 5.503.3.4.6 as listed below.

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| **BSC 03/24Item Number 8** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **8-1** | **5.303.3.4.6 Pre-rinse spray valves, “FOR REFERENCE ONLY”, and TABLE** **H-2 and reference to Title 20 Pre-rinse spray valve.** | **Approve**  | **Accept** | No comments received | Amend this section to reference to the California Plumbing Code for pre-rinse spray valve requirements. Repeal “FOR REFERENCE ONLY”, TABLE H-2 and the reference to Title 20. | **Approve** |

**ITEM 9
*DIVISION 5.5 – ENVIRONMENTAL QUALITY*, SECTION 5.504 POLLUTANT CONTROL**

Amend Section 5.504.1 as listed below.

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| **BSC 03/24Item Number 9** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **9-1** | **5.504.1 Temporary ventilation.** | **Approve**  | **Accept** | No comments received | Update requirements for the installation of return air filters used during construction for temporary ventilation. | **Approve** |

**ITEM 10
SECTION 5.506 INDOOR AIR QUALITY**

Add Section 5.506.4 as listed below.

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| **BSC 03/24Item Number 10** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **10-1** | **5.506.4 Carbon dioxide (CO2) monitoring in classrooms.** **[BSC-CG]**  | **Approve**  | **Disagree** |  No comments received | Add new section to address requirements for installing CO2 monitoring in classrooms for new construction, additions, and alterations.**POST CAC:** BSC has made editorial revisions in coordination with DSA. See ET and ISOR for changes. | **Approve** |

**ITEM 11
CHAPTER 6 REFERENCED ORGANIZATIONS AND STANDARDS
SECTION 601 GENERAL**

Amend table in Section 601.1 as listed below.

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| **BSC 03/24Item Number 11** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **11-1** | **Section 601.1 ASHRAE,****~~52.1-92~~****52.2-~~2007~~ 2017****~~62.2~~****~~90.1~~** | **Approve**  | **Accept** | No comments received | Repeal and amend referenced ASHRAE standards.  | **Approve** |

**Item 12
APPENDIX A5 NONRESIDENTIAL voluntary measures
*DIVISION A5.1 – PLANNING AND DESIGN,* SECTION A5.106.5.3 Electric vehicle (EV) charging [subsections and associated tables for Tier 1]**

Amend Sections A5.106.5.3.1 and A5.106.5.3.2 with associated tables as listed below.

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| **BSC 03/24Item Number 12** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **12-1** | **A5.106.5.3.1 Tier 1,****TABLE A5.106.5.3.1****Tier 1 EV capable spaces and EVCS, and footnote 2** | **Approve**  | **Disagree** | **45-Day:** D. Leung; CEC. Recommends: **Approve**W. Chou; EVCAC with signatories. Recommends: **Amend** **15-Day:**W. Chou; EVCAC with signatories. Recommends: **Approve**  | Editorial amendments in existing section. Amend the existing table title. Add Column 4 for Office and Retail occupancies, increase number of required EVCS in columns 3 and amend footnote 2.**POST CAC:** BSC changed table title because of changes in ITEM 3. See ET and ISOR.**BSC response to 45-day comments:** BSC proposed some modifications to the language in 15-day ET. See FSOR for explanation and list of signatories. | **Approve** |
| **12-2** | **A5.106.5.3.2 Tier 1 Electric vehicle charging stations (EVCS)—power allocation method.****TABLE A5.106.5.3.2Tier 1 EVCS—Power allocation method and footnotes 3 and 5** | **Approve**  | **Accept** | **45-Day:** D. Leung; CEC. Recommends: **Approve**W. Chou; EVCAC with signatories. Recommends: **Amend** **15-Day:**W. Chou; EVCAC with signatories. Recommends: **Approve** | Editorial amendments in existing section. Amend the existing table title. Add Column 4 for Office and Retail occupancies. Amend footnote 3 and add footnote 5.**BSC response to 45-day comments:** BSC proposed some modifications to the language in 15-day ET. See FSOR for explanation and list of signatories. | **Approve** |

**Item 13
SECTION A5.106.5.3 ELECTRIC VEHICLE (EV) CHARGING [****subsections and associated tables for Tier 2]**

Amend Sections A5.106.5.3.3 and A5.106.5.3.4 with associated tables as listed below.

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| **BSC 03/24Item Number 13** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **13-1** | **A5.1065.3.3 Tier 2,****TABLE A5.106.5.3.3****Tier 2 EV capable spaces and EVCS, and footnote 2** | **Approve**  | **Disagree** | **45-Day:** D. Leung; CEC. Recommends: **Approve**W. Chou; EVCAC with signatories. Recommends: **Amend** **15-Day:**W. Chou; EVCAC with signatories. Recommends: **Approve** | Editorial amendments in existing section. Amend the existing table title. Add Column 4 for Office and Retail occupancies, increase number of required EVCS in columns 3 and amend footnote 2.**POST CAC:** BSC changed table title because of changes in ITEM 3. See ET and ISOR.**BSC response to 45-day comments:** BSC proposed some modifications to the language in 15-day ET. See FSOR for explanation and list of signatories. | **Approve** |
| **13-2** | **A5.106.5.3.4 Tier 2 Electric vehicle charging stations (EVCS)—power allocation method.****TABLE A5.106.5.3.4Tier 2 EVCS—Power allocation method and footnotes 3 and 5** | **Approve**  | **Accept** | **45-Day:** D. Leung; CEC. Recommends: **Approve**W. Chou; EVCAC with signatories. Recommends: **Amend** **15-Day:**W. Chou; EVCAC with signatories. Recommends: **Approve** | Editorial amendments in existing section.Amend the existing table title. Add Column 4 for Office and Retail occupancies. Amend footnote 3 and add footnote 5.**BSC response to 45-day comments:** BSC proposed some modifications to the language in 15-day ET. See FSOR for explanation and list of signatories. | **Approve** |

### SECTIONS A5.602 through A5.602.2 CALGreen VERIFICATION GUIDELINESMANDATORY and VOLUNTARY MEASURES CHECKLISTS

Amend Verification Guidelines Checklists as listed below.

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| **BSC 03/24Item Number 15** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| **15-1** | **TABLE A5.602*CALGreen* VERIFICATION GUIDELINESMANDATORY MEASURES CHECKLIST** | **Approve**  | **Accept** | No comments received | Update *Division 5.1 & Division 5.5* code section references in the Mandatory Measures Checklist based on the proposed amendments during the 2024 Triennial Code Adoption Cycle. | **Approve** |
| **15-2** | **TABLE A5.602.1*CALGreen* VERIFICATION GUIDELINES****TIER 1 CHECKLIST** | **Approve**  | **Accept** | No comments received | Update *Division 5.1 & Division 5.5* code section references in the Tier 1 Checklist based on the proposed amendments during the 2024 Triennial Code Adoption Cycle. | **Approve** |
| **15-3** | **TABLE A5.602.2*CALGreen* VERIFICATION GUIDELINES****TIER 2 CHECKLIST** | **Approve**  | **Accept** | No comments received | Update *Division 5.1 & Division 5.5* code section references in the Tier 2 Checklist based on the proposed amendments during the 2024 Triennial Code Adoption Cycle. | **Approve** |