

COMMISSION ACTION MATRIX - YELLOW

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, PART 11
AGENCY: CALIFORNIA BUILDING STANDARDS COMMISSION (BSC 03/21)

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Matrix Paper Color (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required

GREEN CODE ADVISORY COMMITTEE

CHAPTER 2 – DEFINITIONS

Adopt definition from the 2019 CALGreen into the 2022 CALGreen as listed below:

Item Number 1	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-1-1	AUTOMATIC LOAD MANAGEMENT SYSTEM (ALMS)	Further Study	Accept	45-Day Comment: Jon Hart (Powerflex) Support comment, Approve. N. Derrickson, Tesla D. Jaff, Electric Vehicle Charging Association, K. Korby, California Electric Transportation Coalition, M. Alexander, CALSTART, and S. Douglas, Alliance for Automotive Innovation Support Comments, Approve. V. Warheit, Self Approve as amended. V. Warheit, EVCAA, Coalitions and individuals. Approve as Amended.	BSC proposes to adopt new definition for ALMS to promote EV expansion. CAC: FS under criteria #6. suggested to revise the definition based on comments from CEC and others and coordinate with CEC, DSA and HCD. See ISOR for additional information.	

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

Adopt/Amend/Repeal sections from “Electric Vehicle Infrastructure” in the 2019 CALGreen into the 2022 CALGreen as listed below:

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-8-1	5.106.5.3 Electric vehicle (EV) charging. [N]	Further Study	Accept	<p>45-Day comment: L. Renger, Southern California Edison (SCE): Disapprove, Criteria #2</p> <p>V. Warheit, Self Approve as amended for Exception 1b & 2</p>	<p>Editorial amendment to remove and amend referenced section numbers and to relocate exceptions 1 and 2 with editorial changes from section 5.106.5.3.3 and to add a new exception 2.</p> <p>CAC: FS under criteria # 4 & 5. 1. Review exception 1a to add a cost threshold similar to HCD. 2. Review the idea of including all cars in the Auto parking system count toward as part EV table calculations</p> <p>See ISOR for additional information.</p> <p>45day: SCE recommends that BSC require a solution that is safe and EV Ready.</p> <p>V. Warheit suggests removing the Exceptions for 1b & 2.</p>	

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-8-2	5.106.5.3.1 EV capable spaces.	Further Study	Disagree	<p>45-Day comments:</p> <p>L. Renger, Southern California Edison (SCE) Disapprove, Criteria #3</p> <p>V. Warheit, EVCAA, Coalitions and individuals. Approve as Amended.</p> <p>V. Warheit, Self Approve as Amended.</p> <p>J. Hart, Powerflex Approve as Amended.</p> <p>N. Derrickson, Tesla D. Jaff, Electric Vehicle Charging Association, K. Korby, California Electric Transportation Coalition, M. Alexander, CALSTART, and S. Douglas, Alliance for Automotive Innovation Support Comments, Approve.</p> <p>J. Frey & P. Mustacich, California Statewide Utility Codes and Standards Team, provided report for Light duty Vehicle's case studies.</p> <p>Phillip Kobernick (Peninsula Clean Energy, MCE, Clean Power Alliance, Redwood Coast Energy Authority, and East Bay Community Energy) Further study</p>	<p>BSC proposes to repeal this section regarding single charging space requirements.</p> <p>CAC: FS under criteria 4 & 5.</p> <p>There is no action required as this repeal is editorial to align with 2019 supplement.</p> <p>SCE: Reject any recommendation to mandate the installation and use of higher voltage (240 volt) receptacles under "EV Ready. See original comments and FSOR.</p> <p>EVCAA: Increase the number of EV spaces to 20% EV Ready and 30% EV Capable for all Non-Residential sites. See original comments and FSOR.</p> <p>45day: V. Warheit suggests Increasing the number of EV spaces to 20% EV Ready and 30% EV Capable for all Non-Residential sites.</p> <p>J. Hart: Increase from 40 to 60 amp at branch circuits. See original comments and FSOR.</p>	

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-8-4	5.106.5.3.2 Electric vehicle charging stations (EVCS).	Further Study	Accept	<p>45-Day comments;</p> <p>G. Hall, Electric Auto Association D. MacCurdy, Sacramento Electric Vehicle Association M. Geller, Plug In America Approve as Amended</p> <p>D. MacCurdy, Sacramento Electric Vehicle Association, Approve as Amended</p> <p>J. Hart, Powerflex Approve as Amended.</p> <p>T. Burroughs, STOP WASTE Further Study.</p> <p>N. Derrickson, Tesla D. Jaff, Electric Vehicle Charging Association, K. Korby, California Electric Transportation Coalition, M. Alexander, CALSTART, and S. Douglas, Alliance for Automotive Innovation Support Comments, Approve.</p> <p>J. Frey & P. Mustacich, California Statewide Utility Codes and Standards Team, provided report for light duty Vehicle's case studies.</p> <p>Phillip Kobernick (Peninsula Clean Energy, MCE, Clean Power Alliance, Redwood Coast Energy Authority, and East Bay Community Energy) Further study</p>	<p>BSC proposes to amend this section regarding EV charging stations to use Level 2 EVSE and DCFC EVSE.</p> <p>CAC: FS under criteria # 4 & 5 1. Suggested to review the 3.3kW as a minimum being too restrictive and proposed to use and average instead of a fixed minimum kW. Tesla & CALETC agree with current proposal.</p> <p>2. Consider Alternate Compliance Pathway (ACP) by collation (EV Access for All) with Sven Thesen which proposes EV Ready 30%.</p> <p>3. Would like signage at the EV capable spaces.</p> <p>4. Would like a creation of a "task force" to review code proposals with state agencies after CAC and before 45-day.</p> <p>BSC action: BSC has decided to accept the Further Study however has decided to not accept the ACP proposal. See ISOR for additional information.</p> <p>45day: Commenters suggest revision of the proposed language to reference subsection 5.106.5.3.3.</p> <p>T. Burroughs suggests Further Study on signage requirements for EV infrastructure located at multi-family housing sites.</p>	

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-8-8	TABLE 5.106.5.3.1 (formally TABLE 5.106.5.3.3)	Further Study	Disagree	<p>V. Warheit, EVCAA, Coalitions and individuals. Approve as Amended.</p> <p>V. Warheit, Self Approve as Amended.</p>	<p>BSC proposes to renumber and amend table to increase the percentage of required EV capable spaces and to add Level 2 EVSE.</p> <p>CAC: FS under criteria # 4 & 5. EV Access for All with Sven Thesen proposed an ACP proposal which includes a requirement for 30% EV Ready spaces and 5% Level 2 EVSE. This table eliminates the EV capable spaces as shown in proposed Table 5.106.5.3.1a.</p> <p>BSC action: This is an editorial correction to the BSC table title, and the comments received were not affected by the Further Study. BSC has decided to not accept the ACP proposal. See ISOR for additional information.</p> <p>45day: V. Warheit suggests increasing the number of EV spaces to 20% EV Ready and 30% EV Capable for all Non-Residential sites. See original comments and FSOR.</p>	

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

Adopt new sections into the 2022 CALGreen Code as listed below:

Item Number 9	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-9-1	5.106.5.4 Electric vehicle (EV) charging.	Approve	Accept	<p>45-Day comment: M. Roest, Sustainable Energy Inc Approve as Amended</p> <p>N. Derrickson, Tesla D. Jaff, Electric Vehicle Charging Association, K. Korby, California Electric Transportation Coalition, M. Alexander, CALSTART, and S. Douglas, Alliance for Automotive Innovation Further study</p> <p>J. Frey & P. Mustacich, California Statewide Utility Codes and Standards Team, provided report for MHDV case studies.</p>	<p>BSC proposes to adopt a new section to require installation of EVSE as shown in Table 5.106.5.4.1.1 for medium and heavy-duty vehicles.</p> <p>CAC: 1. Suggested friendly correction to repeal the reference to Section 5.106.5.4.2 from the main paragraph which is no longer needed. 2. Suggested to review the Exception to use the word “technical infeasibility” similar to Accessibility regulations in Part 2 Chapter 11B. BSC action: BSC has made amendments to align with other state agencies.</p> <p>See ISOR for additional information.</p> <p>45day: Commenter Mr. Roest suggests revising proposed language to omit exceptions in commercial and residential applications.</p>	

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

Adopt/Amend sections in “Pollutant Control” from the 2019 CALGreen voluntary Sections A5.504.4.8 & A5.504.8.1 into mandatory measures as shown below:

Item Number 10	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-10-1	5.504.4.7 Thermal insulation.	Approve	Accept	45-Day comment: T. Burroughs, STOP WASTE Approve as Amended	BSC proposes to duplicate this code section and relocated and amended the language from voluntary Section A5.504.4.8. No actions required. 45day: Commenter suggests low emitting insulation be required for all buildings covered by the code, including residential dwellings and multifamily buildings.	
BSC 03/21-10-2	5.504.4.7.1 Verification of compliance.	Approve	Accept	45-Day comment: T. Burroughs, STOP WASTE Approve as Amended	BSC proposes to adopt this new code section and language copied from Section A5.504.4.8.2. for verification of compliance. No actions required. 45day: Commenter suggests low emitting insulation be required for all buildings covered by the code, including residential dwellings and multifamily buildings.	

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

Adopt/Amend sections in “Pollutant Control” from the 2019 CALGreen voluntary Sections A5.504.4.9 & A5.504.9.1 into mandatory measures as shown below:

Item Number 11	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-11-1	5.504.4.8 Acoustical ceilings and wall panels.	Approve	Accept	45-Day comment: T. Burroughs, STOP WASTE Approve as Amended	BSC proposes to duplicate this code section and relocated the language from voluntary Section A5.504.4.9. No actions required. 45day: Commenter suggests low-emitting acoustical ceiling and wall panels be required be required for all buildings covered by the code, including residential dwellings and multifamily buildings.	
BSC 03/21-11-2	5.504.4.8.1 Verification of compliance.	Approve	Accept	45-Day comment: T. Burroughs, STOP WASTE Approve as Amended	BSC proposes to duplicate this code section and relocated the language from Section A5.504.4.9.1. for verification of compliance. No actions required. 45day: Commenter suggests low-emitting acoustical ceiling and wall panels be required be required for all buildings covered by the code, including residential dwellings and multifamily buildings.	