

COMMISSION ACTION MATRIX

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, PART 11

AGENCY: DIVISION OF THE STATE ARCHITECT – STRUCTURAL SAFETY/COMMUNITY COLLEGES (DSASS-CC 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Matrix Paper Color (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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
DSASS-CC 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.	DSA proposes to adopt new definition for ALMS to promote EV expansion. CAC: Criteria #6 suggested revised definition based on comments from CEC and others and will coordinate with CEC, BSC and HCD Post CAC: Defined term was revised to align with other agencies. See ISOR for additional information.	Approve

CHAPTER 2 - DEFINITIONS

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

Item Number 2	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-2-1	EV CAPABLE SPACE	Approve	Accept		DSA proposes to co-adopt with BSC new definition for EV Capable Spaces.	Approve

CHAPTER 2 – DEFINITIONS

Adopt and amend/ Repeal definitions from the 2019 CALGreen into the 2022 CALGreen as listed below:

Item Number 2.1	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-2.1-1	*ZERO-EMITTING AND HIGH EFFICIENT VEHICLES (Revised Title, post CAC)	*	*		* Post CAC: Not reviewed by CAC. DSA proposes to co-adopt with BSC the revised definition for Zero Emitting and High Efficient Vehicles.	Approve

CHAPTER 2 - DEFINITIONS

Adopt and amend/ Repeal definitions from the 2019 CALGreen into the 2022 CALGreen as listed below:

Item Numbers 3	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-3-1	NONWATER URINAL WITH DRAIN CLEANSING ACTION	Approve	Accept		DSA proposes to adopt newly defined term for nonwater urinal from the 2021 Uniform Plumbing Code which replaces “Urinal, Hybrid.”	Approve

CHAPTER 2 - DEFINITIONS

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

Item Number 4	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-4-1	OFF-STREET LOADING SPACES	Approve as Amended	Accept		<p>DSA proposes to adopt new definition for off-street parking spaces.</p> <p>CAC: AA under criteria #6. Amend to replace “parking” with “loading”. Correction has been made to 45-day language.</p> <p>DSA accepts and has made the changes.</p>	Approve

CHAPTER 2 - DEFINITIONS

Adopt/ Repeal definitions from the 2019 CALGreen into the 2022 CALGreen as listed below:

Item Numbers 5	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-5-1	VANPOOL VEHICLE	Approve	Withdraw		<p>DSA proposes to repeal existing definition. BSC to leave in code without repealing so the repeal is no longer needed due to proposed amendments in other part of this code. .</p>	Approve

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

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

POST 45-Day: DSASS-CC 03/21 CAM Item Number 6 was revised and updated.

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-6-1	5.106.5.3 Electric vehicle (EV) charging. [N]	Further Study	Accept	45-Day comment: L. Renger, Southern California Edison (SCE): Disapprove, Criteria #2 V. Warheit, Self Approve as Amended for Exception 1b & 2	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. 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 See ISOR for additional information. 45day: SCE recommends that BSC require a solution that is safe and EV Ready. V. Warheit suggests removing the Exceptions for 1b & 2.	Approve

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-6-2	5.106.5.3.1 EV capable spaces.	Further Study	Accept	<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>DSA 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>	Approve

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-6-3	5.106.5.3.1 (Formally 5.106.5.3.2) Items 1-5 & Note	Further Study	Accept		<p>DSA proposes to renumber section title with editorial amendments and to relocate item 5 from section 5.106.5.3.5. Also, a Note has been added.</p> <p>CAC: FS under criteria 4 & 5.</p> <p>Comment received by EV Access for All (EVAA) coalition Alternative Compliance Path (ACP) proposal was presented at the CAC which includes a list of 6 requirements. 4 out of the 6 requirements are like the DSA proposal while two of them are very different. Also, comment for signage requirements were received.</p> <p>DSA has make additional changes to the proposed amendments. See ISOR for additional information.</p>	Approve

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-6-4	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>DSA 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>DSA action: DSA 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>	Approve

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-6-4.1	5.106.5.3.3	*	*		*Post CAC ; DSA has assigned code section for the use of Use of automatic load management systems (ALMS). The section number is being reused from item DSASS-CC 03/21-6-7 below.	Approve
DSASS-CC 03/21-6-5	5.106.5.3.4 Accessible EVCS	Further Study	Accept	S. Diller, California Building Officials (CALBO) Support Comment, Approve.	DSA proposes new code language regarding accessible EVCS and reference to CBC Chapter 11B. The section number is being reused from item DSASS-CC 03/21-6-9 below. CAC: FS under criteria # 4 & 5. This is an editorial repeal not affected by the Further Study.	Approve
DSASS-CC 03/21-6-6	New Note EVCS signs	Further Study	Accept		DSA proposes a new amendment regarding EVCS signage and reference to Caltrans Traffic Operations Policy Directive 13-01 CAC: FS under criteria # 4 & 5. This is an editorial correction not affected by the Further Study. See ISOR for additional information.	Approve
DSASS-CC 03/21-6-7	5.106.5.3.3 and Exceptions	Further Study	Accept		DSA proposes to repeal this section. Exceptions have been relocated to Section 5.106.5.3 with editorial amendments. CAC: FS under criteria # 4 & 5. This is an editorial repeal not affected by the Further Study. The code Section number is being reused for DSASS-CC 03/21-6-4.1 for ALMS.	Approve

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-6-8	TABLE 5.106.5.3.1 (formally TABLE 5.106.5.3.3)	Further Study	Accept	V. Warheit, EVCAA, Coalitions and individuals. Approve as Amended. V. Warheit, Self Approve as Amended.	<p>DSA 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>DSA action: This is an editorial correction to the DSA table title, and the comments received were not affected by the Further Study. DSA 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>	Approve
DSASS-CC 03/21-6-9	5.106.5.3.4	Further Study	Accept		<p>DSA proposes to repeal this section for reformatting and coordination with other amendments in section 5.106.3.1 Item 4.</p> <p>CAC: FS under criteria # 4 & 5. This is an editorial repeal not affected by the Further Study. The code Section number is being reused for DSASS-CC 03/21-6-5 for AVCS signs.</p> <p>See ISOR for additional information.</p>	Approve

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-6-10	5.106.5.3.5 and Note	Further Study	Accept		<p>DSA proposes to repeal this section and Note regarding future charging spaces.</p> <p>CAC: FS under criteria # 4 & 5.</p> <p>This is an editorial repeal not affected by the Further Study.</p>	Approve

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

Amend sections into the 2022 CALGreen as listed below:

Item Number 7	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-7-1	5.106.12.1 Exceptions	Approve	Accept		DSA proposes to amend section.	Approve
DSASS-CC 03/21-7-2	5.106.12.3, Exceptions	Approve	Accept		DSA proposes to amend section.	Approve

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

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

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-8-1	5.504.4.7 Thermal insulation.	Approve	Accept	45-Day comment: T. Burroughs, Stopwaste.org, Approve as Amended.	<p>DSA proposes to adopt this new section with relocated and amended language from Section A5.504.4.</p> <p>45day: Commenter suggests low emitting insulation be required for all buildings covered by the code, including residential dwellings and multifamily buildings.</p>	Approve

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-8-2	5.504.4.7.1	Approve	Accept	45-Day comment: T. Burroughs, Stopwaste.org, Approve as Amended.	DSA proposes to adopt this new section with language from Section A5.504.4.8.2. 45day: Commenter suggests low emitting insulation be required for all buildings covered by the code, including residential dwellings and multifamily buildings.	Approve

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 9	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-9-1	5.504.4.8	Approve	Accept	45-Day comment: T. Burroughs, Stopwaste.org, Approve as Amended.	DSA proposes to bring forward existing text from voluntary measures Section A5.504.4.9 as a new section into mandatory measures for greater protection of public health and meet CDPH standards. 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.	Approve
DSASS-CC 03/21-9-2	5.504.4.8.1	Approve	Accept	45-Day comment: T. Burroughs, Stopwaste.org, Approve as Amended.	DSA proposes to bring forward existing text from voluntary measures Section A5.504.4.9.1 into mandatory measures for greater protection of public health and meet CDPH standards. 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.	Approve

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

Adopt new amendment into the 2022 CALGreen as listed below:

Item Number 10	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
DSASS-CC 03/21-10-1	5.506 Indoor Air Quality	Further Study	Accept	45-Day comment: D. DeAngelis from EBTRON Inc. Further Study, Criteria #7(A)	<p>DSA proposes to adopt this new section regarding CO2 monitoring in classrooms and amend the language as needed.</p> <p>Post CAC: DSA revised the proposed amendment language regarding monitoring device tampering and specifying measurement intervals.</p> <p>Commenter addressed revisions to acceptable levels CO2 monitors in K-12 Schools.</p>	Approve