

COMMISSION ACTION MATRIX

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Matrix Paper Color (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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		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 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
BSC 03/21-2-1	EV CAPABLE SPACE	Approve	Accept		BSC proposes to adopt new definition for EV Capable Spaces. CAC: Coordinate definition with HCD. Review the word "parking". See ISOR for additional information.	

CHAPTER 2 - DEFINITIONS

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

Item Number 3	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-3-1	LOW-EMITTING AND FUEL EFFICIENT VEHICLES	Approve	Disagree		<p>BSC proposes to repeal this definition. No longer needed due to proposed amendments in other part of this code.</p> <p>CAC: Review the definition because the current allowed clean air vehicle options 1 & 2 are no longer current. BSC disagrees with the CAC because it has decided to not repeal the existing definition and has added amendments.</p> <p>See ISOR for additional information.</p>	

CHAPTER 2 - DEFINITIONS

Adopt and amend/Repeal definitions 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
BSC 03/21-4-1	NONWATER URINAL WITH DRAIN CLEANSING ACTION	Approve	Accept		<p>BSC proposes to adopt newly defined term for nonwater urinal from the 2021 Uniform Plumbing Code which replaces “Urinal, Hybrid.”</p> <p>No action required.</p>	

CHAPTER 2 - DEFINITIONS

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

Item Number 5	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-5-1	OFF-STREET LOADING SPACES	Approve as Amended	Accept		<p>BSC proposes to adopt a 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>BSC accepts and has made the changes.</p>	

CHAPTER 2 - DEFINITIONS

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

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-6-1	VANPOOL VEHICLE	Approve	Disagree		<p>BSC proposes to repeal this definition. No longer needed due to proposed amendments in other part of this code.</p> <p>CAC: Suggested to coordinate with Item 3, 6 & 7. BSC disagrees with CAC because it has decided to not repeal the existing language.</p> <p>See ISOR for additional information.</p>	

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

Repeal sections from “designated parking” in the 2019 CALGreen into the 2022 CALGreen as listed below:

Item Number 7	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-7-1	5.106.5.2, TABLE 5.106.5.2, Footnote and Note	Approve	Accept		BSC proposes to repeal this code section, Table with footnote and Note regarding designated parking for clean air vehicles. No action required.	
BSC 03/21-7-2	5.106.5.2.1 and Note	Approve	Accept		BSC proposes to repeal code section, marking and Note. No action required.	

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 and Exceptions 1 and 2	Further Study	Accept		<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.</p> <p>1. Review exception 1a to add a cost threshold similar to HCD.</p> <p>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>	

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-8-2	5.106.5.3.1	Further Study	Disagree		<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>	
BSC 03/21-8-3	5.106.5.3.1 (Formally 5.106.5.3.2) Items 1-5 & Note	Further Study	Disagree		<p>BSC 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 BSC proposal while two of them are very different. Also, comment for signage requirements were received.</p> <p>BSC has make additional changes to the proposed amendments. See ISOR for additional information.</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	Further Study	Accept		<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>	
BSC 03/21-8-4.1	5.106.5.3.3	*	*		<p>*Post CAC; BSC has assigned code section for the use of Use of automatic load management systems (ALMS). The section number is being reused from item BSC 03/21-8-7 below.</p>	
BSC 03/21-8-5	5.106.5.3.4	Further Study	Disagree		<p>BSC proposes new code language regarding accessible EVCS and reference to CBC Chapter 11B. The section number is being reused from item BSC 03/21-8-9 below.</p> <p>CAC: FS under criteria # 4 & 5.</p> <p>This is an editorial repeal not affected by the Further Study.</p>	

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-8-6	New Note EVCS signs	Further Study	Disagree		BSC 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.	
BSC 03/21-8-7	5.106.5.3.3 and Exceptions	Further Study	Disagree		BSC 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 BSC 03/21-8-4.1 for ALMS.	
BSC 03/21-8-8	TABLE 5.106.5.3.1 (formally TABLE 5.106.5.3.3)	Further Study	Disagree		BSC proposes to renumber and amend table to increase the percentage of required EV capable spaces and to add Level 2 EVSE. 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. 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.	

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-8-9	5.106.5.3.4	Further Study	Disagree		<p>BSC 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 BSC 03/21-8-5 for AVCS signs.</p> <p>See ISOR for additional information.</p>	
BSC 03/21-8-10	5.106.5.3.5 and Note	Further Study	Disagree		<p>BSC 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>	

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	Approve	Accept		<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>	
BSC 03/21-9-2	5.106.5.4.1	Approve	Accept		<p>BSC proposes to adopt a new section for Electric vehicle charging readiness requirements for warehouses, grocery stores and retail stores with planned off-street loading spaces [N].</p> <p>No actions required.</p>	
BSC 03/21-9-3	TABLE 5.106.5.4.1.1	Approve	Accept		<p>BSC proposes to adopt a Table for Raceway Conduit and Panel Power requirements for medium-and-heavy-duty EVSE [N].</p> <p>No actions required.</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	Approve	Accept		BSC proposes to duplicate this code section and relocated and amended the language from voluntary Section A5.504.4.8. No actions required.	
BSC 03/21-10-2	5.504.4.7.1	Approve	Accept		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.	

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	Approve	Accept		BSC proposes to duplicate this code section and relocated the language from voluntary Section A5.504.4.9. No actions required.	
BSC 03/21-11-2	5.504.4.8.1	Approve	Accept		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.	

APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES

Repeal sections from the 2019 CALGreen as listed below:

Item Number 12	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-12-1	LOW-EMITTING AND FUEL EFFICIENT VEHICLES	Further Study	Accept		<p>BSC proposes to repeal this definition to correlate with other proposed amendments.</p> <p>CAC: FS under criterial #6. This item is related to item #3.</p> <p>BSC has decided to Accept FS and has decided to keep the language with editorial amendments to the title.</p>	

APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES

Repeal sections from the 2019 CALGreen as listed below:

Item Number 13	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-13-1	A5.106.5.1 through A5.106.5.1.2 and tables	Further Study	Accept		<p>BSC proposes to repeal this section and subsequent subsections and tables with footnotes and Notes regarding designated parking for clean air vehicles.</p> <p>CAC: FS under criterial #6, would like to the keep the options for enhanced voluntary CAV provisions.</p> <p>BSC has decided to not repeal the section and has made amendments.</p> <p>See ISOR for additional information.</p>	

Item Number 13	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-13-2	A5.106.5.1.3 with marking and Note	Further Study	Accept		<p>BSC proposes to repeal this code section regarding parking stall marking and Note.</p> <p>CAC: FS under criterial #6, would like to the keep the options for enhanced voluntary CAV provisions.</p> <p>BSC has decided to not repeal the section and has made amendments.</p> <p>See ISOR for additional information.</p>	
BSC 03/21-13-3	A5.106.5.1.4 with Notes 1 and 2	Further Study	Disagree		<p>BSC proposes to repeal code section regarding vehicle designations and Notes 1 and 2.</p> <p>CAC: FS under criterial #6.</p> <p>This is an editorial repeal not affected by FS.</p>	

APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES

Amend sections in “Site Development” from the Voluntary Section of the 2019 CALGreen into the 2022 CALGreen as listed below

Item Number 14	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-14-1	A5.106.5.3	Further Study	Disagree		<p>BSC proposes to amend this section regarding EVSE.</p> <p>CAC: FS under criteria # 5 & 6. EVAA provided similar comments to consider Alternate Compliance Pathway (ACP) for Tier 1 and Tier 2.</p> <p>See ISOR for additional information.</p>	

Item Number 14	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-14-2	A5.106.5.3.1, Tier 1	Further Study	Disagree		<p>BSC proposes to amend this section for Tier 1 requirements for EV capable spaces and for the allowance of ALMS and DCFC.</p> <p>CAC: FS under criteria # 5 & 6.</p> <p>See ISOR for additional information.</p>	
BSC 03/21-14-3	TABLE A5.106.5.3.1	Further Study	Disagree		<p>BSC proposes to amend Tier 1 Table to increase the percentages for EV Capable spaces and add a column for increased Level 2 EVSE.</p> <p>CAC: Criteria # 5 & 6</p> <ol style="list-style-type: none"> 1. Suggested to coordinate with related mandatory for review of 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. 2. Consider Alternate compliance pathway by collation (EV access for all) Sven and Vanessa which is EV Ready beyond 30% in mandatory. 3. Would like signage at the EV capable spaces. 4. Would like a creation of a "task force" to review code proposals with state agencies after CAC and before 45-day. 	
BSC 03/21-14-4	A5.106.5.3.2, Tier 2	Further Study	Disagree		<p>BSC proposes to amend this section for Tier 2 requirements for EV capable spaces and for the allowance of ALMS and DCFC.</p> <p>CAC: FS under criteria # 5 & 6.</p> <p>See ISOR for additional information.</p>	

Item Number 14	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-14-5	A5.106.5.3.3 Identification	Further Study	Disagree		<p>BSC proposes to repeal this section for coordination with other amendments. Criteria # 5 & 6.</p> <p>CAC: FS under criteria # 5 & 6.</p> <p>See ISOR for additional information.</p>	
BSC 03/21-14-6	TABLE A5.106.5.3.2	Further Study	Disagree		<p>BSC proposes to amend Tier 2 Table to increase the percentages for EV Capable spaces and add a column for increased Level 2 EVSE.</p> <p>CAC: Criteria # 5 & 6</p> <ol style="list-style-type: none"> 1. Suggested to coordinate with related mandatory for review of 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. 2. Consider Alternate compliance pathway by collation (EV access for all) Sven and Vanessa which is EV Ready beyond 30% in mandatory. 3. Would like signage at the EV capable spaces. 4. Would like a creation of a "task force" to review code proposals with state agencies after CAC and before 45-day. <p>See ISOR for additional information.</p>	
BSC 03/21-14-7	A5.106.5.3.4 and Note	Further Study	Disagree		<p>BSC proposes to repeal this section and Note regarding future charging spaces.</p> <p>CAC: FS under Criteria # 5 & 6.</p> <p>See ISOR for additional information.</p>	

APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES

Amend sections in “Pollutant Control” from the 2019 CALGreen voluntary measures into the mandatory measures for the 2022 CALGreen as listed below:

Item Number 15	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-15-1	A5.303.4.1	Approve	Accept		BSC proposes to amend to correlate with newly defined term for nonwater urinal from the 2021 Uniform Plumbing Code which replaces “Urinal, Hybrid.”	

APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES

Amend sections in “Pollutant Control” from the 2019 CALGreen voluntary measures into the mandatory measures for the 2022 CALGreen as listed below:

Item Number 16	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-16-1	A5.504.4.8 (Relocate to 5.504.4.7)	Approve	Accept		BSC proposes to relocate this text from this section “Thermal insulation, Tier 1” to a new mandatory section 5.504.4.7, in Item 9 above.	
BSC 03/21-16-2	A5.504.4.8, Tier 1 (Formally Tier 2)	Approve	Accept		BSC proposes to amend this section “Thermal insulation” from Tier 2 to Tier 1, and renumber due to code reformat.	
BSC 03/21-16-3	A5.504.4.8.1 (Formally A5.504.4.8.2)	Approve	Accept		BSC proposes to renumber this section “Verification of compliance” due to code reformatting.	

APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES

Repeal sections in “Pollutant Control” from the 2019 CALGreen voluntary measures into the mandatory measures for the 2022 CALGreen as listed below:

Item Number 17	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-17-1	A5.504.4.9 (Relocate to 5.504.4.8)	Approve	Accept		BSC proposes to relocate this text from this voluntary section “Acoustical ceilings and wall panels” to a new mandatory Section 5.504.4.8, in Item 10 above.	

Item Number 17	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-17-2	A5.504.4.9.1 (Relocate to 5.504.4.8.1)	Approve	Accept		BSC proposes to relocate this text from this voluntary section "verification of compliance" to a new mandatory Section 5.504.4.8.1, in Item 10 above.	

DIVISION A5.6 – VOLUNTARY TIERS, SECTION A5.601, CALGREEN TIER 1 AND TIER 2

Editorial adjustments and coordination made to the Nonresidential Proposed Performance Approach Checklist for the 2022 CALGreen as listed below:

Item Number 18	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-18-1	TABLE A5.601	Further Study	Accept		Designated parking removed from table. Tier 1 and Tier 2 percentage values adjusted. CAC: FS under Criteria #4 & 6. BSC has made appropriate corrections to the table.	

Division A5.6 – VOLUNTARY TIERS, SECTION A5.601, CALGreen TIER 1 AND TIER 2

Editorial adjustments and coordination made to the Nonresidential Mandatory, Tier 1 and Tier 2 Checklists for the 2022 CALGreen as listed below:

Item Number 19	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-19-1	A5.602 Mandatory Checklist	Further Study	Accept		Checklists have been updated to reflect proposed code changes to Chapters 5 and A5. CAC: FS under Criteria #4 & 6. BSC has made appropriate corrections to the checklist.	

Item Number 19	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 03/21-19-2	A5.602.1 Tier 1 Checklist	Further Study	Accept		Checklists have been updated to reflect proposed code changes to Chapters 5 and A5. CAC: FS under Criteria #4 & 6. BSC has made appropriate corrections to the checklist.	
BSC 03/21-19-3	A5.602.2 Tier 2 Checklist	Further Study	Accept		Checklists have been updated to reflect proposed code changes to Chapters 5 and A5. CAC: FS under Criteria #4 & 6. BSC has made appropriate corrections to the checklist.	