# COMMISSION ACTION MATRIX GREEN BUILDING CODE ADVISORY COMMITTEE – Feb 8 –10, 2023

## 2022 California green building standards code, TITLE 24, PART 11 AGENCY: california building standards commission (BSC 04/22)

### 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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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* Repealed California language appears ~~upright and in strikeout~~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

### Chapter 2, Section 202 – definitions (electric vehicle related)

BSC proposes to adopt new and modify existing definitions as listed below.

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| **Item Number 1** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-1-1 | **ELECTRIC VEHICLE (EV) CHARGER** |  |  |  | Propose to adopt existing definition previously adopted only by HCD. |  |
| BSC 04/22-1-2 | **ELECTRIC VEHICLE CHARGING STATION (EVCS)** |  |  |  | Propose to adopt and modify existing definition (previously adopted HCD only). Modify to add the word receptacles. |  |
| BSC 04/22-1-3 | **ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE)** |  |  |  | Propose to modify existing definition to add “personnel protection system” to align with 2022 California Electrical Code. |  |
| BSC 04/22-1-4 | **LEVEL 2 ELECTRIC VEHICLE (EV) CHARGER** |  |  |  | Propose to adopt a new definition which aligns with HCD’s currently proposed which specifies minimum power amperage requirements. |  |
| BSC 04/22-1-5 | **LEVEL 2 ELECTRIC VEHICLE SUPPLY EQUIPMENT** |  |  |  | Propose to adopt and align with HCD’s previously adopted definition. Definition will allow the use of level 2 charging |  |
| BSC 04/22-1-6 | **LOW POWER LEVEL 2 ELECTRIC VEHICLE (EV) CHARGING RECEPTACLE** |  |  |  | Propose to adopt and modify existing definition previously adopted by HCD. Modify to simplify removing superfluous information regarding EV driver. |  |

### Chapter 2, Section 202 – definitions (bird-friendly related)

BSC proposes to adopt new definitions as listed below.

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| **Item Number 2** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-2-1 | **2 X 2 RULE** |  |  |  | Propose to adopt new term to define the 2 x 2 rule for the protection of birds. |  |
| BSC 04/22-2-2 | **ADHESIVE MARKER** |  |  |  | Propose to adopt new term which markers can be transferred to glass to deter birds from flying into the glass. |  |
| BSC 04/22-2-3 | **FILM** |  |  |  | Propose to adopt new term which film can be applied to glass to help deter birds from hitting the glass. |  |
| BSC 04/22-2-4 | **GLASS, ACID ETCHED** |  |  |  | Propose to adopt new term. A treatment to glass to help deter the bird from flying into the glass. |  |
| BSC 04/22-2-5 | **GLASS, FRITTED** |  |  |  | Propose to adopt new term. A treatment to glass to help deter the bird from flying into the glass. |  |
| BSC 04/22-2-6 | **GLASS SURFACE** |  |  |  | Propose to adopt new term to help define the different layers of glass surfaces for installed windows. |  |
| BSC 04/22-2-7 | **MATURE TREE CANOPY** |  |  |  | Propose to adopt new term which defines the height of existing trees or vegetation near the buildings where glass windows are installed. |  |
| BSC 04/22-2-8 | **ULTRAVIOLET (UV)** |  |  |  | Proposed to adopt new term which states the electromagnetic radiation and wavelengths that birds have the ability to perceive when applied to glass. |  |
| BSC 04/22-2-9 | **VISUAL MARKER** |  |  |  | Propose to adopt new term. When a visual marker is applied to glass they are most visible and effective for birds to detect. |  |

### Chapter 2, Section 202 – definitions (CALGreen carbon reduction related)

BSC proposes to adopt new definitions as listed below.

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| **Item Number 3** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-3-1 | **BUY CLEAN CALIFORNIA ACT** |  |  |  | Propose to adopt new definition that defines a maximum acceptable GWP for each category of eligible materials. |  |
| BSC 04/22-3-2 | **CRADLE-TO-GATE** |  |  |  | Propose to adopt new definition that aligns with industry standards that defines the carbon impact of a building product the moment it is produced to being installed in a structure. |  |
| BSC 04/22-3-3 | **CRADLE-TO-GRAVE** |  |  |  | Propose to adopt new definition that aligns with industry standards that defines the entire lifecycle of a product. |  |
| BSC 04/22-3-4 | **DECONSTRUCTION** |  |  |  | Propose to adopt new term which is used in Section 5.408.1. |  |
| BSC 04/22-3-5 | **TYPE III ENVIRONMENTAL PRODUCT DECLARATION (EPD)** |  |  |  | Propose to adopt new definition that addresses a third party verified report that summarizes how product impacts the environment. |  |
| BSC 04/22-3-6 | **PRODUCT-SPECIFIC EPD** |  |  |  | Propose to adopt new definition that identifies environmental impacts attributed to product design and mfg across multiple facilities. |  |
| BSC 04/22-3-7 | **FACTORY-SPECIFIC EPD** |  |  |  | Propose to adopt new definition that identifies environmental impacts to single mfg and mfg facility |  |
| BSC 04/22-3-8 | **INDUSTRY-WIDE EPD (IW-EPD)** |  |  |  | Propose to adopt new definition that identifies environmental impacts of typical mfg impacts for a range of products within same product category for group of mfg. |  |
| BSC 04/22-3-9 | **REFERENCE STUDY PERIOD** |  |  |  | Propose to adopt new definition that identifies life cycle assessment for the period of use for the building. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.1- PLANNING AND DESIGN, SECTION 5.105 - DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES

BSC proposes to adopt new sections into the 2022 CALGreen as listed below.

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| **Item Number 4** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-4-1 | **5.105** |  |  |  | Propose to repeal “~~(Reserved)~~” from the Title. |  |
| BSC 04/22-4-2 | **5.105.1**  **& Exception** |  |  |  | Propose to adopt new scoping section which includes additions/alterations of combined floor area 50,000 sq ft or greater to comply with 4 options. |  |
| BSC 04/22-4-3 | **5.105.2** |  |  |  | Propose to adopt new section addressing the reuse of existing buildings primary structural elements. |  |
| BSC 04/22-4-4 | **5.105.2.1 & Note** |  |  |  | Propose to adopt new section requiring documentation to demonstrate compliance. |  |
| BSC 04/22-4-5 | **5.105.3** |  |  |  | This section is added as a place holder for future use to address the deconstruction portion of the main section. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.1- PLANNING AND DESIGN, SECTION 5.106 - SITE DEVELOPMENT

BSC proposes to adopt new and modify existing sections into the 2022 CALGreen as listed below.

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| **Item Number 5** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-5-1 | **5.106.5.3** |  |  |  | Propose to modify to clarify compliance of EVCS regulations. And BSC-CG banner. |  |
| BSC 04/22-5-2 | **5.106.5.3.2** |  |  |  | Propose to modify to allow the use of DCFC’s to be substituted for Level 2 EVSE. |  |
| BSC 04/22-5-3 | **5.106.5.3.2.1** |  |  |  | Propose to modify subsection to allow more flexibility to install DCFC in certain occupancies with short dwell time. |  |
| BSC 04/22-5-4 | **5.106.5.3.2.2** |  |  |  | Propose to adopt new section to allow the use of low power level 2 receptacle to be substituted for EV capable spaces without EVSE. |  |
| BSC 04/22-5-5 | **5.106.5.3.4** |  |  |  | Propose to modify the title. |  |
| BSC 04/22-5-6 | **~~Note~~** |  |  |  | Propose to repeal Note on signage and add to new Section 5.106.5.3.5 |  |
| BSC 04/22-5-7 | **5.106.5.3.5** |  |  |  | Propose to adopt new section which identifies signage for EVCS. |  |
| BSC 04/22-5-8 | **Table 5.106.5.3.1** |  |  |  | Propose to modify tables footnote adding a third footnote identifying one level 2 EVSE to be provided. |  |
| BSC 04/22-5-9 | **5.106.5.3.6** |  |  |  | Propose to adopt new section for new power allocation method. |  |
| BSC 04/22-5-10 | **Table 5.106.5.3.6 w/ footnotes** |  |  |  | Propose to adopt new table identifying the required EV capable spaces and total kVA’s with 4 new footnotes. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.1- PLANNING AND DESIGN, SECTION 5.106 - SITE DEVELOPMENT

BSC proposes to adopt new sections into the 2022 CALGreen as listed below.

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| **Item Number 6** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-6-1 | **5.106.5.4** |  |  |  | Propose to adopt new section for additions/alterations to existing buildings or parking facilities and the installation of EV charging requirements, with exceptions. |  |
| BSC 04/22-6-2 | **5.106.5.4.1** |  |  |  | Propose to adopt new section identifying the triggers for existing buildings or parking areas **without** previously installed EV Capable infrastructure. |  |
| BSC 04/22-6-3 | **5.106.5.4.2** |  |  |  | Propose to adopt new section identifying the triggers for existing buildings or parking areas **with** previously installed EV Capable infrastructure. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.1- PLANNING AND DESIGN, SECTION 5.106 - SITE DEVELOPMENT

BSC proposes to adopt new and modify existing sections into the 2022 CALGreen as listed below.

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| **Item Number 7** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-7-1 | **~~5.106.5.4~~**  **5.106.5.5** |  |  |  | Propose to modify mandatory requirements to install EV future installations, adding office buildings and mfg facilities paragraph. Modify section number to align with new additions to code. |  |
| BSC 04/22-7-2 | **~~5.106.5.4.1~~**  **5.106.5.5.1** |  |  |  | Propose to modify Section numbering to align with new additions to code. |  |
| BSC 04/22-7-3 | **Table**  **~~5.106.5.4.1~~**  **5.106.5.5.1** |  |  |  | Propose to modify Table Section number and adopt new “building types” within the table. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION 5.401

BSC proposes to modify existing section in the 2022 CALGreen as listed below.

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| **Item Number 8** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-8-1 | **5.401.1** |  |  |  | Propose to modify section to provide GHG emission reduction and provide clarity. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION 5.402 – DEFINITIONS

BSC proposes to add new terms to this section in the 2022 CALGreen as listed below.

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| **Item Number 9** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-9-1 | **5.402** |  |  |  | Propose to add new terms to this section. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION 5.408 – CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

BSC proposes to modify existing section in the 2022 CALGreen as listed below.

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| **Item Number 10** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-10-1 | **5.408.1** |  |  |  | Propose to modify existing section to include industry terms and clarify the types of nonhazardous building waste. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION 5.409 LIFE CYCLE ASSESSMENT

BSC proposes to adopt new sections into the 2022 CALGreen as listed below.

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| **Item Number 11** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-11-1 | **5.409** |  |  |  | Propose to repeal “~~(Reserved)~~” from the Title. |  |
| BSC 04/22-11-2 | **5.409.1** |  |  |  | Propose to adopt new scoping section for newly constructed buildings >50,000 sq ft to comply with carbon reduction paths. |  |
| BSC 04/22-11-3 | **5.409.2** |  |  |  | Propose to adopt new section which identifies whole building life cycle assessment “cradle-to-grave.” |  |
| BSC 04/22-11-4 | **5.409.2.1** |  |  |  | Propose to adopt new section which clarifies which building components are included in life cycle analysis. |  |
| BSC 04/22-11-5 | **5.409.2.2** |  |  |  | Propose to adopt new section which specifies 60 years assumed building lifespan. |  |
| BSC 04/22-11-6 | **5.409.2.3 & Notes** |  |  |  | Propose to adopt new section which specifies GWP analysis to be included in construction documentation. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.4 – MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION 5.409 LIFE CYCLE ASSESSMENT

BSC proposes to adopt new sections into the 2022 CALGreen as listed below.

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| **Item Number 12** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-12-1 | **5.409.3** |  |  |  | Propose to adopt new section addressing additional compliance paths for acceptable GWP values. |  |
| BSC 04/22-12-2 | **5.409.3.1 & Exception** |  |  |  | Propose to adopt new section addressing industry feedback regarding: “California may not be able to comply with prescriptive acceptable GWP values for concrete/cement.” |  |
| BSC 04/22-12-3 | **Exception EQUATION 5.409.3.1** |  |  |  | Propose to add new calculation, a weighted average maximum GWP using the exception equation. |  |
| BSC 04/22-12-4 | **5.409.3.2 & Note** |  |  |  | Proposes to adopt new section which specifies calculations to demonstrate compliance to Type III EPDs in construction documentation. |  |
| BSC 04/22-12-5 | **Table 5.409.3 &**  **Footnotes** |  |  |  | Propose to adopt new Table with product GWP limits. |  |

### Chapter 5, NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.4 – MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION 5.410 BUILDING MAINTANANCE AND OPERATION

BSC proposes to modify section listed below in the 2022 CALGreen as listed below.

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| **Item Number 13** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-13-1 | **5.410.2** |  |  |  | Propose to modify informational notes in this section. |  |

### Chapter 6, REFERENCED ORGANIZATIONS AND STANDARDS, AND MATERIALS, SECTION 601.1 GENERAL

BSC proposes to add new referenced standards and organizations to the 2022 CALGreen as listed below.

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| **Item Number 14** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-14-1 | **601.1** |  |  |  | Propose to add new referenced standards and organizations listed in ET. |  |

### Chapter 8, COMPLIANCE FORMS, WORKSHEETS AND REFERENCE MATERIALS

BSC proposes to adopt new worksheets into the 2022 CALGreen as listed below.

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| **Item Number 15** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-15-1 | **Worksheet (WS-3) Building Reuse** |  |  |  | Propose to add new worksheet for building reuse to assist is showing compliance. |  |
| BSC 04/22-15-2 | **Worksheet (WS-4) Whole Building Life Cycle Assessment** |  |  |  | Propose to add new worksheet for whole building life cycle assessment assist in showing compliance. |  |
| BSC 04/22-15-3 | **Worksheet (WS-5) Product GWP Compliance Prescriptive Path** |  |  |  | Propose to add new worksheet, verification of GWP compliance. |  |
| BSC 04/22-15-4 | **Worksheet (WS-6) Documentation of Compliance of Existing Building Reuse Tier 1 & Tier 2** |  |  |  | Propose to add new worksheet to show compliance for building reuse Tiers 1 & 2. |  |
| BSC 04/22-15-5 | **Worksheet (WS-7) Product GWP Compliance Prescriptive Path Tier 1 & 2** |  |  |  | Propose to add new worksheet for verification of compliance for product GWP. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.1- PLANNING AND DESIGN, SECTION A5.105 DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES

BSC proposes to repeal existing language and replace with new text in the 2022 CALGreen as listed below.

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| **Item Number 16** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-16-1 | **~~A5.105.1~~** |  |  |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-2 | **~~A5.105.1.1~~** |  |  |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-3 | **~~A5.105.1.2~~** |  |  |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-4 | **~~A5.105.1.3~~** |  |  |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-5 | **A5.105.1 & Exceptions** |  |  |  | Propose to add new text to this section to identify scope for Tier 1 & 2 paths for alterations/additions for buildings >50,000 sq ft. |  |
| BSC 04/22-16-6 | **A5.105.2** |  |  |  | Propose to add new text to this section to identify options listed in scope for reuse of existing buildings. |  |
| BSC 04/22-16-7 | **A5.105.2.1** |  |  |  | Propose to add new text to this section for compliance with Tier 1 for the reuse of existing buildings. |  |
| BSC 04/22-16-8 | **A5.105.2.2** |  |  |  | Propose to add new text to this section for compliance with Tier 2 for the reuse of existing buildings. |  |
| BSC 04/22-16-9 | **A5.105.2.3 & Note** |  |  |  | Propose to add new text to this section to identify the documentation needed to verify compliance. |  |
| BSC 04/22-16-10 | **A5.105.3** |  |  |  | Propose to add Title “Deconstruction (Reserved)” for future use. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.1 - PLANNING AND DESIGN, SECTION A5.106 SITE DEVELOPMENT

BSC proposes to modify existing sections and add new sections to the 2022 CALGreen as listed below.

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| **Item Number 17** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-17-1 | **A5.106.5.1** |  |  |  | Propose to modify section to remove fuel efficient and replace with high efficient. |  |
| BSC 04/22-17-2 | **A5.106.5.1.1** |  |  |  | Propose to modify section to remove fuel efficient and replace with high efficient for Tier 1. |  |
| BSC 04/22-17-3 | **A5.106.5.1.2** |  |  |  | Propose to modify section to remove fuel efficient and replace with high efficient for Tier 2. |  |
| BSC 04/22-17-4 | **A5.106.5.1.3 & Note** |  |  |  | Propose to add new section for EV future spaces needed to clarify spaces count toward designated parking to clean air vehicles. |  |
| BSC 04/22-17-5 | **A5.106.5.1.~~3~~ 4** |  |  |  | Propose to modify the section number to align with new code sections. |  |
| BSC 04/22-17-6 | **A5.106.5.1.~~4~~ 5** |  |  |  | Propose to modify the section number to align with new code sections. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.1 - PLANNING AND DESIGN, SECTION A5.106 SITE DEVELOPMENT

BSC proposes to modify existing sections and add new sections/tables to the 2022 CALGreen as listed below.

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| **Item Number 18** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-18-1 | **A5.106.5.3** |  |  |  | Propose to modify section adding Tier 1 & 2 to the text. |  |
| BSC 04/22-18-2 | **A5.106.5.3.1** |  |  |  | Proposes to modify text to refer code user to the proper mandatory section. |  |
| BSC 04/22-18-3 | **Table A5.106.5.3.1 Tier 1** |  |  |  | Propose to modify the title for Table A5.106.5.3.1 by adding the word “Tier 1” after the table number. |  |
| BSC 04/22-18-4 | **A5.106.5.3.2** |  |  |  | Propose to add new section for power allocation method and associated table. |  |
| BSC 04/22-18-5 | **Table A5.106.5.3.2 Tier 1** |  |  |  | Propose to add new table showing the actual parking and required EV capable spaces converted into kVA. Tier 1 |  |
| BSC 04/22-18-6 | **A5.106.5.3.~~2~~ 3 Tier 2** |  |  |  | Propose to modify section and change the section number. To refer the code user to the appropriate mandatory code section for EV capable. |  |
| BSC 04/22-18-7 | **Table**  **A5.106.5.3.~~2~~ 3 Tier 2** |  |  |  | Propose to modify table and by adding Tier 2 and modify table number. A new footnote. |  |
| BSC 04/22-18-8 | **A5.106.5.3.4** |  |  |  | Propose to add new section EVCS power allocation method and associated table. |  |
| BSC 04/22-18-9 | **Table A5.106.5.3.4 Tier 2** |  |  |  | Propose to add new table showing the actual parking and required EV capable spaces converted into kVA. Tier 2 |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.1 – PLANNING AND DESIGN, SECTION A5.106 SITE DEVELOPMENT

BSC proposes to add new and modify existing sections in the 2022 CALGreen as listed below.

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| **Item Number 19** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-19-1 | **A5.106.11** |  |  |  | Propose to modify edit to the title and scope to accommodate hardscape alternatives, cool roofs, and shade trees. |  |
| BSC 04/22-19-2 | **A5.106.11.2** |  |  |  | Propose minor editorial modification to the title and text. |  |
| BSC 04/22-19-3 | **~~A5.106.11.3~~**  **A5.106.11.2.4** |  |  |  | Propose to renumber section number. |  |
| BSC 04/22-19-4 | **A5.106.11.3** |  |  |  | Propose new voluntary measures for shade trees. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.1 - PLANNING AND DESIGN, SECTIONS A5.102 DEFINITIONS AND A5.107 BIRD-FRIENDLY BUILDING DESIGN

BSC proposes to add new sections into the 2022 CALGreen as listed below.

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| **Item Number 20** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-20-1 | **A5.102.1**  **Definitions** |  |  |  | Propose to add new terms to this section. |  |
| BSC 04/22-20-2 | **A5.107 & Note** |  |  |  | Propose to add new section which includes scoping section to bird friendly design. |  |
| BSC 04/22-20-3 | **A5.107.1 & Sub-number 1 with Notes & 2** |  |  |  | Propose to add new section which includes glazing that covers the many design aspects for windows to minimize the risk of bird collisions. |  |
| BSC 04/22-20-4 | **A5.107.2** |  |  |  | Propose to add new section to minimize fly through conditions for birds. |  |
| BSC 04/22-20-5 | **A5.107.3 & Exception** |  |  |  | Propose to add new section to minimize nighttime collisions for birds. |  |
| BSC 04/22-20-6 | **A5.107.3.1** |  |  |  | Propose to add new section regarding operation and maintenance manual for building’s interior lighting. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.4- MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION A5.401 GENERAl

BSC proposes to modify section in the 2022 CALGreen as listed below.

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| **Item Number 21** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-21-1 | **A5.401.1 Scope** |  |  |  | Propose to amend main paragraph |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.4- MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, A5.402 DEFINITIONS

BSC proposes to add new definition terms to the 2022 CALGreen as listed below.

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| **Item Number 22** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-22-1 | **A5.402.1 Definitions** |  |  |  | Propose to add new definitions |  |

**APPENDIX A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.4- MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, A5.405 MATERIAL SOURCES**

BSC proposes to add new section to the 2022 CALGreen as listed below.

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| **Item Number 23** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-23-1 | **A5.405.2.1 ~~Reserved~~** |  |  |  | Propose to a repeal “~~Reserved~~” and add new section addressing certified wood components – sustainability standards. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.4- MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, A5.405 MATERIAL SOURCES

BSC proposes to repeal and modify sections in the 2022 CALGreen as listed below.

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| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 24** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-24-1 | **A5.405.5** |  |  |  | Propose editorial modification to point to compliance with Section A5.405 |  |
| BSC 04/22-24-2 | **A5.405.5.2** |  |  |  | Propose modification to clarify Engineer of Record will approve the use of materials as shown. |  |
| BSC 04/22-24-3 | **A5.405.5.2.1** |  |  |  | Propose modification to provide new standard and italicize “SL” within the text. |  |
| BSC 04/22-24-4 | **A5.405.5.2.1.1** |  |  |  | Propose to add a reference to ACI to the exception. |  |
| BSC 04/22-24-5 | **~~A5.405.5.3~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-24-6 | **~~A5.405.5.3.1~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-24-7 | **~~A5.405.5.3.1.1~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-24-8 | **~~A5.405.5.3.1.2~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-24-9 | **A5.405.5.3~~.2~~** |  |  |  | Formerly number A5.405.5.3.2 with an editorial modification to title and text. |  |
| BSC 04/22-24-10 | **~~A5.405.5.3.2.1~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-24-11 | **A5.405.5.3.~~2.2~~ 1** |  |  |  | Formerly number A5.405.5.3.2.2; new A5.405.3.1 propose to modify aggregate or crushed concrete. |  |
| BSC 04/22-24-12 | **A5.405.5.3.2~~.3~~** |  |  |  | Formerly number A5.405.5.3.2.3; new A5.405.5.3.2 |  |
| BSC 04/22-24-13 | **A5.405.5.3.~~2.4~~ 3** |  |  |  | Formerly number A5.405.5.3.2.4; new A5.405.5.3.3 |  |
| BSC 04/22-24-14 | **A5.405.5.3.4** |  |  |  | Propose to add new section which permits longer age of maturity for concrete in compliance with Standards. |  |
| BSC 04/22-24-15 | **A5.405.5.3.5** |  |  |  | Propose to add new section return/reuse fresh concrete. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.4- MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, A5.409 LIFE CYCLE ASSESSMENT

BSC proposes to repeal, add new, and modify existing sections into the 2022 CALGreen as listed below.

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| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 25** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-25-1 | **~~A5.409.1~~** |  |  |  | Propose to repeal and replace with Tier 1 & 2 scoping provisions for life cycle assessment. |  |
| BSC 04/22-25-2 | **A5.409.1 & Exceptions** |  |  |  | Propose new sections that specify Tier 1 & 2 compliance, based on new project size. |  |
| BSC 04/22-25-3 | **A5.409.2** |  |  |  | Propose new section for projects to meet the minimum requirements for whole building life cycle assessment. |  |
| BSC 04/22-25-4 | **A5.409.2.1 Tier 1 & Exception** |  |  |  | Propose new section meeting the above requirements as Tier 1. |  |
| BSC 04/22-25-5 | **A5.409.2.2 Tier 2 & Exception** |  |  |  | Propose new section meeting requirements of A5.409.2 for Tier 2. |  |
| BSC 04/22-25-6 | **A5.409.3 & Exception** |  |  |  | Propose new section for compliance path for GWP. |  |
| BSC 04/22-25-7 | **Exception EQUATION**  **A5.409.3.1** |  |  |  | Propose new exception equation for GWP. |  |
| BSC 04/22-25-8 | **A5.409.3.2 & Note** |  |  |  | Propose new section for verification of compliance calculations. |  |
| BSC 04/22-25-9 | **Table A5.409.3 & Footnotes** |  |  |  | Propose new table for product GWP limits for Tier 1 & 2. |  |
| BSC 04/22-25-10 | **A5.409.~~2~~5** |  |  |  | Propose editorial modifications and renumbered formerly A5.409.2 |  |
| BSC 04/22-25-11 | **~~A5.409.2.1~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-25-12 | **A5.409.~~2.2~~5.1** |  |  |  | Propose editorial modification and renumbered formerly A5.409.2.2 |  |
| BSC 04/22-25-13 | **~~A5.409.3~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-25-14 | **~~A5.409.4~~** |  |  |  | Propose to repeal existing language. |  |
| BSC 04/22-25-15 | **~~A5.409.5~~** |  |  |  | Propose to repeal existing language. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.6, SECTION A5.601 CALGREEN TIER 1 AND TIER 2

BSC proposes to modify and add new sections to the 2022 CALGreen as listed below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 26** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-26-1 | **A5.601.2.4** |  |  |  | Propose editorial modification. |  |
| BSC 04/22-26-2 | **A5.601.3.1** |  |  |  | Propose new section which identifies prerequisites to provide charging language. |  |
| BSC 04/22-26-3 | **A5.601.3.4** |  |  |  | Propose modifications to remove referenced table no longer in code and modify referenced section number. |  |

### Appendix A5, NONRESIDENTIAL VOLUNTARY MEASURES, DIVISION A5.6, SECTION A5.602, VERIFICATION GUIDELINES, MANDAtorY MEASURES CHECKLISTS

BSC propose to adopt new checklists tables upon final proposed code updates as listed below.

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| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 27** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| BSC 04/22-27-1 | **A5.602 Checklists** |  |  |  | Mandatory measures checklist, Tier 1 & Tier 2 Checklists. Checklists tables will be updated based on the final proposed code updates in both mandatory and voluntary sections. |  |