# COMMISSION ACTION MATRIX 45-day public comment period

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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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* Repealed California language appears ~~upright and in strikeout~~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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 1** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-1-1 | **ELECTRIC VEHICLE (EV) CHARGER** | Approve | Accept |  | Propose to adopt existing definition previously adopted only by HCD. |  |
| BSC 04/22-1-2 | **ELECTRIC VEHICLE CHARGING STATION (EVCS)** | Approve | Accept |  | 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)** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 2** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-2-1 | **2 X 2 RULE** | Approve | Accept |  | Propose to adopt new term to define the 2 x 2 rule for the protection of birds. |  |
| BSC 04/22-2-2 | **ADHESIVE MARKER** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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)** | Approve | Accept |  | 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** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 3** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-3-1 | **BUY CLEAN CALIFORNIA ACT** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | Propose to adopt new definition that aligns with industry standards that defines the entire lifecycle of a product. |  |
| BSC 04/22-3-4 | **DECONSTRUCTION** | Approve | Withdraw |  | Propose to adopt new term which is used in Section 5.408.1. **BSC: Withdrawn.** See ISOR for rationale. |  |
| BSC 04/22-3-5 | **TYPE III ENVIRONMENTAL PRODUCT DECLARATION (EPD)** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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)** | Approve | Accept |  | 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** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 4** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-4-1 | **5.105** | Approve as Amended | Accept |  | Propose to repeal “~~(Reserved)~~” from the Title.**CAC: Criteria 6**  |  |
| BSC 04/22-4-2 | **5.105.1****& Exception** | Approve as Amended | Accept |  | 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.**CAC: Criteria 6** – ***Add “altered” for the floor area and inclusion note Historic Buildings (retaining historic windows).*** |  |
| BSC 04/22-4-3 | **5.105.2**  | Approve as Amended | Accept |  | Propose to adopt new section addressing the reuse of existing buildings primary structural elements.**CAC: Criteria 6** |  |
| BSC 04/22-4-4 | **5.105.2.1 & Note** | Approve as Amended | Accept |  | Propose to adopt new section requiring documentation to demonstrate compliance.**CAC: Criteria 6** |  |
| BSC 04/22-4-5 | **5.105.3** | Approved as Amended | Accept |  | This section is added as a place holder for future use to address the deconstruction portion of the main section. **CAC: Criteria 6** |  |

### 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 5** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-5-1 | **5.106.5.3** | Approve | Disagree |  | Propose to modify to clarify compliance of EVCS regulations. And BSC-CG banner.**BSC:** See ISOR for rationale. |  |
| BSC 04/22-5-2 | **5.106.5.3.2** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | Propose to modify the title. |  |
| BSC 04/22-5-6 | **~~Note~~** | Approve | Accept |  | 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** | Approve | Accept |  | Propose to adopt new section which identifies signage for EVCS. |  |
| BSC 04/22-5-8 | **Table 5.106.5.3.1** | Approve | Accept |  | 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** | Approve | Accept |  | Propose to adopt new section for new power allocation method. |  |
| BSC 04/22-5-10 | **Table 5.106.5.3.6 w/ footnotes** | Approve | Disagree |  | Propose to adopt new table identifying the required EV capable spaces and total kVA’s with 4 new footnotes.**BSC:** See ISOR for rationale. |  |

### 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 6** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-6-1 | **5.106.5.4** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 7** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-7-1 | **~~5.106.5.4~~****5.106.5.5** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 8** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-8-1 | **5.401.1** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 9** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-9-1 | **5.402** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 10** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-10-1 | **5.408.1** | Further Study | Withdraw |  | Propose to modify existing section to include industry terms and clarify the types of nonhazardous building waste.**CAC: Criteria 6** – **“*Organic”*** Building Material. Upon further review BSC chose to withdraw the proposed code changes. See the ISOR. |  |

### 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 11** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-11-1 | **5.409** | Approve as Amend | Accept |  | Propose to repeal “~~(Reserved)~~” from the Title.**CAC: Criteria 4**  |  |
| BSC 04/22-11-2 | **5.409.1** | Approve as Amend | Accept |  | Propose to adopt new scoping section for newly constructed buildings >50,000 sq ft to comply with carbon reduction paths.**CAC: Criteria 4 - *Delay effective date for 50,000sq. ft. to 1/1/26. 100,000 sq. ft. 7/1/24*** |  |
| BSC 04/22-11-3 | **5.409.2** | Approve as Amend | Accept |  | Propose to adopt new section which identifies whole building life cycle assessment “cradle-to-grave.”**CAC: Criteria 4 - *Delay effective date for 50,000sq. ft. 1/1/26. 100,000 sq. ft.*** |  |
| BSC 04/22-11-4 | **5.409.2.1** | Approve as Amend | Accept |  | Propose to adopt new section which clarifies which building components are included in life cycle analysis.**CAC: Criteria 4 - *Delay effective date for 50,000sq. ft. 1/1/26. 100,000 sq. ft.*** |  |
| BSC 04/22-11-5 | **5.409.2.2** | Approve as Amend | Accept |  | Propose to adopt new section which specifies 60 years assumed building lifespan. **CAC: Criteria 4 - *Delay effective date for 50,000sq. ft. 1/1/26. 100,000 sq. ft.*** |  |
| BSC 04/22-11-6 | **5.409.2.3 & Notes** | Approve as Amend | Accept |  | Propose to adopt new section which specifies GWP analysis to be included in construction documentation.**CAC: Criteria 4 - *Delay effective date for 50,000sq. ft. 1/1/26. 100,000 sq. ft.*** |  |

### 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 12** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-12-1 | **5.409.3** | Approve | Accept |  | Propose to adopt new section addressing additional compliance paths for acceptable GWP values. |  |
| BSC 04/22-12-2 | **5.409.3.1 & Exception** | Approve | Accept |  | 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** | Approve | Accept |  | Propose to add new calculation, a weighted average maximum GWP using the exception equation. |  |
| BSC 04/22-12-4 | **5.409.3.2 & Note** | Approve | Accept |  | 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** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 13** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-13-1 | **5.410.2** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 14** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-14-1 | **601.1** | Approve | Disagree |  | Propose to add new referenced standards and organizations listed in ET.BSC added additional reference standards that were not caught in the initial submittal. BSC also corrected the reference standard years in response to friendly CAC comments. |  |

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 15** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-15-1 | **Worksheet (WS-3) Building Reuse** | Approve | Accept |  | 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** | Approve | Withdraw |  | Propose to add new worksheet for whole building life cycle assessment assist in showing compliance. After the CAC, BSC realized this worksheet was not needed and it is withdrawn. |  |
| BSC 04/22-15-3 | **Worksheet (WS-5) Product GWP Compliance Prescriptive Path** | Approve | Withdraw |  | Propose to add new worksheet, verification of GWP compliance.After the CAC, BSC realized this worksheet was not needed and it is withdrawn |  |
| BSC 04/22-15-4 | **Worksheet (WS-4[formerly WS-6]) Documentation of Compliance of Existing Building Reuse Tier 1 & Tier 2** | Approve | Accept |  | Propose to add new worksheet to show compliance for building reuse Tiers 1 & 2.Worksheet renumbered since WS-4 and 5 are withdrawn. |  |
| BSC 04/22-15-5 | **Worksheet (WS-7) Product GWP Compliance Prescriptive Path Tier 1 & 2** | Approve | Withdraw |  | Propose to add new worksheet for verification of compliance for product GWP.After the CAC, BSC realized this worksheet was not needed and it is withdrawn |  |

### 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 16** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-16-1 | **~~A5.105.1~~** | Approve | Accept |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-2 | **~~A5.105.1.1~~** | Approve | Accept |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-3 | **~~A5.105.1.2~~** | Approve | Accept |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-4 | **~~A5.105.1.3~~** | Approve | Accept |  | Propose to repeal existing voluntary section and move to requirements for Tier 1 and 2 |  |
| BSC 04/22-16-5 | **A5.105.1 & Exceptions** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | Propose to add new text to this section to identify the documentation needed to verify compliance. |  |
| BSC 04/22-16-10 | **A5.105.3** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 17** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-17-1 | **A5.106.5.1** | Approve | Accept |  | Propose to modify section to remove fuel efficient and replace with high efficient. |  |
| BSC 04/22-17-2 | **A5.106.5.1.1** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Accept |  | Propose to modify the section number to align with new code sections. |  |
| BSC 04/22-17-6 | **A5.106.5.1.~~4~~ 5** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 18** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-18-1 | **A5.106.5.3** | Approve | Accept |  | Propose to modify section adding Tier 1 & 2 to the text. |  |
| BSC 04/22-18-2 | **A5.106.5.3.1 Tier 1** | Approve | Disagree |  | Proposes to modify text to refer code user to the proper mandatory section.**BSC:** See ISOR for rationale. |  |
| BSC 04/22-18-3 | **Table A5.106.5.3.1 Tier 1** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Disagree |  | Propose to add new table showing the actual parking and required EV capable spaces converted into kVA. Tier 1.**BSC:** See ISOR for rationale. |  |
| BSC 04/22-18-6 | **A5.106.5.3.~~2~~ 3 Tier 2** | Approve | Disagree |  | Propose to modify section and change the section number. To refer the code user to the appropriate mandatory code section for EV capable.**BSC:** See ISOR for rationale. |  |
| BSC 04/22-18-7 | **Table****A5.106.5.3.~~2~~ 3 Tier 2** | Approve | Accept |  | 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** | Approve | Accept |  | 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** | Approve | Disagree |  | Propose to add new table showing the actual parking and required EV capable spaces converted into kVA. Tier 2.**BSC:** See ISOR for rationale. |  |

### 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 19** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-19-1 | **A5.106.11** | Approve | Accept |  | 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** | Approve | Accept |  | Propose minor editorial modification to the title and text. |  |
| BSC 04/22-19-3 | **~~A5.106.11.3~~****A5.106.11.2.4** | Approve | Accept |  | Propose to renumber section number. |  |
| BSC 04/22-19-4 | **A5.106.11.3** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 20** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-20-1 | **A5.102.1****Definitions** | Approve | Accept |  | Propose to add new terms to this section. |  |
| BSC 04/22-20-2 | **A5.107 & Note** | Further Study | Accept |  | Propose to add new section which includes scoping section to bird friendly design.**CAC: Criteria 6** - ***remove “note” & “high” just have severity zones, add historic reference (decorative windows).***Upon further study, BSC made changes. See the ISOR. |  |
| BSC 04/22-20-3 | **A5.107.1 & Sub-number 1 with Notes & 2**  | Approve | Accept |  | 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** | Approve | Disagree |  | Propose to add new section to minimize fly through conditions for birds. BSC made additional changes to include friendly amendments raised during the CAC meeting. See the ISOR. |  |
| BSC 04/22-20-5 | **A5.107.3 & Exception** | Further Study | Accept |  | Propose to add new section to minimize nighttime collisions for birds.**CAC: Criteria 6** – ***Beacon light/FAA, consider astronomical time switch controls***Upon further study, BSC made changes. See the ISOR. |  |
| BSC 04/22-20-6 | **A5.107.3.1** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 21** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-21-1 | **A5.401.1 Scope** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 22** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-22-1 | **A5.402.1 Definitions** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 23** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-23-1 | **A5.405.2.1 ~~Reserved~~** | Further Study | Accept |  | Propose to a repeal “~~Reserved~~” and add new section addressing certified wood components – sustainability standards.**CAC: Criteria 4** – *Determine the percentage requirement of certified wood for project. Determine the year for the ASTM D7612 standard.***BSC:** See ISOR for responses. |  |

### 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 24** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-24-1 | **A5.405.5** | Approve | Accept |  | Propose editorial modification to point to compliance with Section A5.405 |  |
| BSC 04/22-24-2 | **A5.405.5.2** | Approve | Accept |  | 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** | Approve | Accept |  | Propose modification to provide new standard and italicize “SL” within the text. |  |
| BSC 04/22-24-4 | **A5.405.5.2.1.1** | Approve | Accept |  | Propose to add a reference to ACI to the exception. |  |
| BSC 04/22-24-5 | **~~A5.405.5.3~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-24-6 | **~~A5.405.5.3.1~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-24-7 | **~~A5.405.5.3.1.1~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-24-8 | **~~A5.405.5.3.1.2~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-24-9 | **A5.405.5.3~~.2~~** | Approve | Accept |  | 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~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-24-11 | **A5.405.5.3.~~2.2~~ 1** | Approve | Accept |  | 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~~** | Approve | Accept |  | 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** | Approve | Accept |  | Formerly number A5.405.5.3.2.4; new A5.405.5.3.3 |  |
| BSC 04/22-24-14 | **A5.405.5.3.4** | Approve | Accept |  | 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** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 25** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-25-1 | **~~A5.409.1~~** | Approve | Accept |  | Propose to repeal and replace with Tier 1 & 2 scoping provisions for life cycle assessment. |  |
| BSC 04/22-25-2 | **A5.409.1 & Exceptions** | Approve | Accept |  | Propose new sections that specify Tier 1 & 2 compliance, based on new project size. |  |
| BSC 04/22-25-3 | **A5.409.2** | Approve | Accept |  | 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** | Approve | Accept |  | Propose new section meeting the above requirements as Tier 1. |  |
| BSC 04/22-25-5 | **A5.409.2.2 Tier 2 & Exception** | Approve | Accept |  | Propose new section meeting requirements of A5.409.2 for Tier 2. |  |
| BSC 04/22-25-6 | **A5.409.3 & Exception** | Approve | Accept |  | Propose new section for compliance path for GWP. |  |
| BSC 04/22-25-7 | **Exception EQUATION****A5.409.3.1**  | Approve | Accept |  | Propose new exception equation for GWP. |  |
| BSC 04/22-25-8 | **A5.409.3.2 & Note** | Approve | Accept |  | Propose new section for verification of compliance calculations. |  |
| BSC 04/22-25-9 | **Table A5.409.3 & Footnotes** | Approve | Accept |  | Propose new table for product GWP limits for Tier 1 & 2. |  |
| BSC 04/22-25-10 | **A5.409.~~2~~5** | Approve | Accept |  | Propose editorial modifications and renumbered formerly A5.409.2 |  |
| BSC 04/22-25-11 | **~~A5.409.2.1~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-25-12 | **A5.409.~~2.2~~5.1** | Approve | Accept |  | Propose editorial modification and renumbered formerly A5.409.2.2 |  |
| BSC 04/22-25-13 | **~~A5.409.3~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-25-14 | **~~A5.409.4~~** | Approve | Accept |  | Propose to repeal existing language. |  |
| BSC 04/22-25-15 | **~~A5.409.5~~** | Approve | Accept |  | 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** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-26-1 | **A5.601.2.4** | Approve | Accept |  | Propose editorial modification. |  |
| BSC 04/22-26-2 | **A5.601.3.1** | Approve | Accept |  | Propose new section which identifies prerequisites to provide charging language. |  |
| BSC 04/22-26-3 | **A5.601.3.4** | Approve | Accept |  | 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 27** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| BSC 04/22-27-1 | **A5.602 Checklists** | Approve | Accept |  | 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. |  |