# COMMISSION ACTION MATRIX – YELLOWGREEN Building (GREEN) CODE ADVISORY COMMITTEE

## 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, PART 11 AGENCY: DIVISION OF THE STATE ARCHITECT, DSA-SS 01/22

### 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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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* Repealed California language appears ~~upright and in strikeout~~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 DEFENITIONS, SECTION 202 DEFINITIONS (CARBON REDUCTION AND EV RELATED)

DSA proposes to adopt new and amend existing definitions as listed below.

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| **Item Number 1** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| DSA-SS 01/22-1-5 | **ELECTRIC VEHICLE CHARGING STATION (EVCS)** | Approve | Accept | **45-day public comments:**CA Statewide Utility Codes and Standards, **Amend** | Propose to adopt new definition for EVCS. **DSA:** No further amendments made. See FSOR. |  |
| DSA-SS 01/22-1-12 | **LEVEL 2 ELECTRIC VEHICLE SUPPLY EQUIPMENT** | Approve | Accept | **45-day public comments:**CA Statewide Utility Codes and Standards, **Amend** | Propose to adopt new definition for Level 2 EVSE.**DSA:** No further amendments made. See FSOR. |  |
| DSA-SS 01/22-1-13 | **LOW POWER LEVEL 2 ELECTRIC VEHICLE (EV) CHARGING RECEPTACLE** | Approve | Accept | **45-day public comments:**CA Statewide Utility Codes and Standards, **Amend** | Propose to adopt new definition for Low power Level 2 EV charging receptacle.**DSA:** No further amendments made. See FSOR. |  |

### CHAPTER 5, DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY, SECTION 5.401 GENERAL & 5.402 definitions

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

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| **Item Number 5** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| DSA-SS 01/22-5-2 | **5.402 Definitions** | Approve | Accept | **45-day public comments:** Colleen FitzSimons – SDGBC, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Simon Rees – Arup, **Approve**Michael Malinowski – AIACA, **Approve**Laura Karnath, **Approve as Amended****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to add new terms to this section.**DSA**: REFERENCE BASELINE BUILDING replaced with REFERENCE STUDY PERIOD in Section 5.402 in 15-day ET. See FSOR for explanation. |  |

### CHAPTER 5, DIVISION 5.4, SECTION 5.409 LIFE CYCLE ASSESSMENT

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

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| **Item Number 7** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| DSA-SS 01/22-7-3 | **5.409.2 Whole building life cycle assessment** | Approve | Accept | **45-day public comments:** Lisa Podesto, **Approve**Rachelle Habchi – SEAOSC, **Approve**Colleen FitzSimons – SDGBC, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Sara Neff, **Approve**Simon Rees – Arup, **Approve**Michael Malinowski – AIACA, **Approve**Charley Rea – CalCIMA, **Approve**Simon Rees – Arup, **Approve** with recommendations for future cycle**.**Tien Peng – NRMCA, **Approve as Amended**Jeff Bradley – AWC, **Approve as Amended****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to adopt new section which identifies whole building life cycle assessment “cradle-to-grave.”**After 45-day, DSA:** In response to 45-day comments, DSA proposed some modifications to the language in 15-day ET. See FSOR for explanation. |  |
| DSA-SS 01/22-7-4 | **5.409.2.1 Building components** | Approve | Accept | **45-day public comments:** Lisa Podesto, **Approve**Rachelle Habchi – SEAOSC, **Approve**Colleen FitzSimons – SDGBC, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Sara Neff, **Approve**Simon Rees – Arup, **Approve**Michael Malinowski – AIACA, **Approve**Charley Rea – CalCIMA, **Approve**Laura Karnath, **Approve as Amended.****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to adopt new sub-section which clarifies which building components are included in life cycle analysis.**After 45-day, DSA:** In response to 45-day comments, DSA proposed some modifications to the language in 15-day ET. See FSOR for explanation. |  |
| DSA-SS 01/22-7-6 | **5.409.2.3 Verification of compliance & Notes** | Approve | Accept | **45-day public comments:** Lisa Podesto, **Approve**Rachelle Habchi – SEAOSC, **Approve**Kurt Hurley – City of Berkeley, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Colleen FitzSimons – SDGBC, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Sara Neff, **Approve**Simon Rees – Arup, **Approve**Charley Rea – CalCIMA, **Approve**Michael Malinowski – AIACA, **Approve as Amended****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to adopt new sub-section with Notes which specifies GWP analysis to be included in construction documentation.**After 45-day, DSA:** In response to 45-day comments, DSA proposed some modifications to the language in 15-day ET. See FSOR for explanation. |  |

### CHAPTER 5, DIVISION 5.4, SECTION 5.409 LIFE CYCLE ASSESSMENT

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

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| **Item Number 8** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| DSA-SS 01/22-8-2 | **5.409.3.1 & Exception** | Approve | Accept | **45-day public comments:** Lisa Podesto, **Approve**Rachelle Habchi – SEAOSC, **Approve**Colleen FitzSimons – SDGBC, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Sara Neff, **Approve**Simon Rees – Arup, **Approve**Michael Malinowski – AIACA, **Approve**Charley Rea – CalCIMA, **Approve**Laura Karnath, **Approve as Amended****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to adopt new section addressing industry feedback regarding: “California may not be able to comply with prescriptive acceptable GWP values for concrete/cement.”**After 45-day, DSA**: No further amendments made. See FSOR. |  |
| DSA-SS 01/22-8-3 | **Exception EQUATION 5.409.3.1** | Approve | Accept | **45-day public comments:** Lisa Podesto, **Approve**Rachelle Habchi – SEAOSC, **Approve**Colleen FitzSimons – SDGBC, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Sara Neff, **Approve**Simon Rees – Arup, **Approve**Michael Malinowski – AIACA, **Approve**Charley Rea – CalCIMA, **Approve**Bryce Tanner – Arup, **Approve as Amended**Laura Karnath, **Approve as Amended****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to add new calculation, a weighted average maximum GWP using the exception equation.**After 45-day, DSA:** In response to 45-day comments, DSA proposed some modifications to the language in 15-day ET. See FSOR for explanation. |  |
| DSA-SS 01/22-8-4 | **5.409.3.2 Verification of compliance & Note** | Approve | Accept | **45-day public comments:** Lisa Podesto, **Approve**Rachelle Habchi – SEAOSC, **Approve**Colleen FitzSimons – SDGBC, **Approve**Kurt Hurley – City of Berkeley, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Sara Neff, **Approve**Simon Rees – Arup, **Approve**Charley Rea – CalCIMA, **Approve**Michael Malinowski – AIACA, **Approve as Amended**Bryce Tanner – Arup, **Approve as Amended****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Proposes to adopt new section which specifies calculations to demonstrate compliance to Type III EPDs in construction documentation.**After 45-day, DSA:** In response to 45-day comments, DSA proposed some modifications to the language in 15-day ET. See FSOR for explanation. |  |
| DSA-SS 01/22-8-5 | **Table 5.409.3 &****Footnotes** | Approve | Accept | **45-day public comments:** Lisa Podesto, **Approve**Colleen FitzSimons – SDGBC, **Approve**Charles Stott – Stott Architects, **Approve**Ismar Enriquez, **Approve**Pauline Souza – WRNS Studio, **Approve**Rona G. Rothenberg, **Approve**Seth Dunn, **Approve**William E Leddy – AIA California, **Approve**Vikas Shrestha, **Approve**Suyama Bo – AIA Orange County Chapter, **Approve**Adrienne Etherton, **Approve**Hafsa Burt – HB+A Architects, **Approve**Lauren Kubiak – NRDC, **Approve**Hoi-Fei Mok – City of San Leandro, **Approve**Timothy Burroughs – StopWaste, **Approve**Kurt Hurley – City of Berkeley, **Approve**Sara Neff, **Approve**Simon Rees – Arup, **Approve**Michael Malinowski – AIACA, **Approve**Charley Rea – CalCIMA, **Approve**Simon Rees – Arup, **Approve** with recommendations for future cycle.Rachelle Habchi – SEAOSC, **Aprove as Amended**Tien Peng – NRMCA, **Aprove as Amended**Bryce Tanner – Arup, **Approve as Amended**Laura Karnath, **Approve as Amended**Josh Jacobs – WAP Sustainability, **Approve as Amended****15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to adopt new Table and footnotes with product GWP limits.**After 45-day, DSA:** In response to 45-day comments, DSA proposed some modifications to the language in 15-day ET. See FSOR for explanation. |  |

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

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

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| **Item Number 10** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| DSA-SS 01/22-10-2 | **Worksheet (WS-4) Whole Building Life Cycle Assessment** | Approve | Withdraw | **45-day public comments:** Michael Malinowski – AIACA, **Approve as Amended** to add back and develop the worksheet**15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to add new worksheet for whole building life cycle assessment assist in showing compliance.**DSA**: Post CAC item withdrawn.**After 45-day, DSA:** In response to 45-day comment, DSA added back and developed the worksheet in 15-day ET. See 15-day ET and FSOR for explanation. |  |
| \DSA-SS 01/22-10-3 | **Worksheet (WS-5) Product GWP Compliance Prescriptive Path** | Approve | Withdraw | **45-day public comments:** Michael Malinowski – AIACA, **Approve as Amended** to add back and develop the worksheet**15-day public comments:** Michael Malinowski – AIACA, **Approve** | Propose to add new worksheet, verification of GWP compliance.**DSA**: Post CAC item withdrawn.**After 45-day, DSA:** In response to 45-day comment, DSA added back and developed the worksheet in 15-day ET. See 15-day ET and FSOR for explanation. |  |