# COMMISSION ACTION MATRIX – yellow GREEN BUILDING (GREEN) CODE ADVISORY COMMITTEE

## 2022 California green building standards code, TITLE 24, PART 11 AGENCY: DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT, hcd 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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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* Repealed California language appears ~~upright and in strikeout~~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

HCD 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** |
| HCD 04/22-1-1 | **ELECTRIC VEHICLE CHARGING STATION (EVCS)** | Approve | Accept | 45-day comments:  D. Corelis w/ Electric Vehicle Charging for All Coalition (EVCAC)-**Approve**  California Statewide Utility Codes and Standards Team-**Amend** | Propose to modify existing definition to add the word “EVSE or receptacle(s)”.  **HCD:** No further amendments made. See FSOR. |  |
| HCD 04/22-1-3 | **LEVEL 2 ELECTRIC VEHICLE SUPPLY EQUIPMENT ~~(EVSE)~~** | Approve | Accept | 45-day comments:  D. Corelis w/ EVCAC-**Approve**  California Statewide Utility Codes and Standards Team-**Amend** | Propose to modify existing definition to remove the acronym EVSE.  **HCD**: No further amendments made. See FSOR. |  |
| HCD 04/22-1-4 | **LEVEL 2 ELECTRIC VEHICLE (EV) CHARGER** | Approve | Accept | 45-day comments:  D. Corelis w/ EVCAC-**Approve**  California Statewide Utility Codes and Standards Team-**Amend or Disapprove** | Propose to add a new definition for Level 2 EV charger.  **HCD:** No further amendments made. See FSOR. |  |
| HCD 04/22-1-5 | **LOW POWER LEVEL 2 ELECTRIC VEHICLE (EV) CHARGING RECEPTACLE** | Approve | Accept | 45-day comments:  D. Corelis w/ EVCAC-**Approve**  California Statewide Utility Codes and Standards Team-**Amend** | Propose to modify existing definition to simplify and to remove superfluous information regarding EV driver and EV.  **HCD:** No further amendments made. See FSOR. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.2 Multifamily development projects with 20 or more dwelling units, hotels and motels with 20 or more sleeping units or guest rooms.

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

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| **Item Number 5** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| HCD 04/22-5-3 | **4.106.4.2.2, Item ~~2~~ 1. EV Ready Parking Spaces with Receptacles. with Items**  **1a, 1b, 1c & 1d** | Further Study | Disagree | 45-day comments:  Analisa Bevan, California Air Resources Board (CARB)-**Approve**  California Building Industry Association (CBIA) and California Apartment Association (CAA)-Approve and California Building Industry Association (CBIA) and California Apartment Association (CAA)-**Approve**  Kristian Corby, California Electric Transportation Coalition (CalETC)-**Amend**  Raghav Murali, PowerFlex Inc-**Amend**  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Disapprove**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Jack Lucero Fleck, California Resident-**Amend\***  Nicholas Johnson and Mercedes Bankston Orange Charger Inc.; Senator Josh Becker, District 13; Senator Lola Smallwood-Cuevas, District 28; Senator Skinner, District 9-**Amend\***  Sven Thesen & Associates-**Amend\***  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC). **Amend\*** (See FSOR Attachment B for a complete list of signatories)  Various commenters; **Amend\*** (See FSOR Attachment A for complete list of signatories)  California Legislature: Senator Josh Becker, District 13; Senator Ben Allen, District 24; Senator Anna Caballero, District 14; Senator Dave Cortese, District 15; Senator John Laird, District 17; Senator Nancy Skinner, District 9; Senator Lola Smallwood-Cuevas, District 28; Assemblymember Marc Berman, District 23; Assemblymember Laura Friedman, District 44; Assemblymember Tina McKinnor, District 61; Assemblymember Diane Papan, District 21-**Amend\*** | Propose to renumber sub item number from 2 to 1 and change the title to (EV Ready Parking Spaces with Receptacles) with amendments to sub-Items: 1a-Hotels and Motels, 1b-Multifamily Parking Fac-ilities,1c-Receptacle Power Source, and 1d-Recept-acle Configurations (#1, #2 & #3).  **CAC:** FS under Criteria #6 **–** In sub item 1(b) replace “need not exceed” with “minimum”; In sub item 1(c) remove “service” from electrical panel, replace “where feasible” to “unless determined infeasible”; in Exception consider adding/modifying exception for automated parking structures.  **HCD: After CAC.** See ISOR for HCD responses.  **\*45-day comments**: Amend – The Commenters’ request that HCD add a clarifying sentence that a developer may follow the voluntary Tier 1 or Tier 2 standards in lieu of the standards included in the mandatory section.  **CBIA comments:** The Commenters would like for HCD to acknowledge that moving forward, non-building code issues must be addressed by manufacturers, other agencies, and utility companies. The Commenters recommend that HCD and all interested parties consider an Alternative Method of Compliance in the Triennial Code Adoption Cycle.  **HCD:** **After 45-day.**  No further amendments made. See FSOR. |  |
| HCD 04/22-5-4 | **4.106.4.2.2, Item ~~3~~ 2. EV Ready Parking Spaces with EV Chargers. with Items**  **2a & 2b** | Approve | Accept | 45-day comments:  Analisa Bevan, California Air Resources Board (CARB)-**Approve**  California Building Industry Association (CBIA) and California Apartment Association (CAA)-Approve and California Building Industry Association (CBIA) and California Apartment Association (CAA)-**Approve**  Kristian Corby, California Electric Transportation Coalition (CalETC)-**Amend**  Raghav Murali, PowerFlex Inc-**Amend**  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Amend**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Jack Lucero Fleck, California Resident-**Amend\***  Nicholas Johnson and Mercedes Bankston Orange Charger Inc.; Senator Josh Becker, District 13; Senator Lola Smallwood-Cuevas, District 28; Senator Skinner, District 9-**Amend\***  Sven Thesen & Associates-**Amend\***  Various commenters; **Amend\*** (See FSOR Attachment A for complete list of signatories)  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC). **Amend\*** (See FSOR Attachment B for a complete list of signatories)  California Legislature: Senator Josh Becker, District 13; Senator Ben Allen, District 24; Senator Anna Caballero, District 14; Senator Dave Cortese, District 15; Senator John Laird, District 17; Senator Nancy Skinner, District 9; Senator Lola Smallwood-Cuevas, District 28; Assemblymember Marc Berman, District 23; Assemblymember Laura Friedman, District 44; Assemblymember Tina McKinnor, District 61; Assemblymember Diane Papan, District 21-**Amend\*** | Propose to renumber sub item from 3 to 2 and change the title to (EV Ready Parking Spaces with EV Chargers) with amendments to sub-Items: 2a-Hotels and Motels, and 2b-Multifamily Parking Facilities. Propose to change “EVSE” to “EV chargers” and repeal use of Automatic Load Management Systems (ALMS) as related to EV Capable spaces.  **\*45-day comments**: Amend-The Commenters’ request that HCD add a clarifying sentence that a developer may follow the voluntary Tier 1 or Tier 2 standards in lieu of the standards included in the mandatory section.  **CBIA comments:** The Commenters would like for HCD to acknowledge that moving forward, non-building code issues must be addressed by manufacturers, other agencies, and utility companies. The Commenters recommend that HCD and all interested parties consider an Alternative Method of Compliance in the Triennial Code Adoption Cycle.  **HCD:** **After 45-day.**  No further amendments made. See FSOR. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.2.1 Electric vehicle charging stations (EVCS).

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

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| **Item Number 6** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| HCD 04/22-6-1 | **4.106.4.2.2.1** | Approve | Accept | 45-day comment:  California Statewide Utility Codes and Standards Team-**Amend** | Propose to amend main paragraph language to reference correct sections for EV charging station space dimensions and location.  **HCD:** No further amendments made. See FSOR. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.2.1.2 Electric vehicle charging stations (EVCS) dimensions.

HCD 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** |
| HCD 04/22-8-1 | **4.106.4.2.2.1.~~2~~ 1**  **w/ sub-items 1, 2, 3 w/ sub-items 3a & 3b & Exception** | Approve | Accept | 45-day comments:  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Approve**  California Statewide Utility Codes and Standards Team-**Amend** | Propose to renumber and retitle code section and incorporate text from existing Section 4.106.4.2.2.1.1.  **HCD:** No further amendments made. See FSOR. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.2.1.3 Accessible EV spaces.

HCD proposes to modify existing 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** |
| HCD 04/22-9-1 | **4.106.4.2.2.1.~~3~~ 2** | Approve | Accept | 45-day comments:  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Approve**  California Statewide Utility Codes and Standards Team-**Amend** | Propose to renumber and retitle code section with additional edits to reference appropriate sections and rename “EVSE” to “EV chargers.”  **HCD:** No further amendments made. See FSOR. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings.

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

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| **Item Number 12** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| HCD 04/22-12-1 | **4.106.4.3** | Approve | Accept | 45-day comments:  Dennis J. Corelis, Corelis Associates Architecture & Planning-**Amend**  Various commenters; **Amend** (See FSOR Attachment A for a complete list of signatories)  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Amend**  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC)-**Amend** (See FSOR Attachment B for a complete list of signatories) | Propose to amend code language to reference “EV Capable” and to incorporate existing requirements for panel circuit directory.  **HCD:** No further amendments made. See FSOR. |  |

### Appendix A4 Residential Voluntary Measures, Section A4.106.8.2 New multifamily development projects and hotels and motels.

HCD proposes to modify existing sections in the 2022 CALGreen as listed below.

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| **Item Number 14** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| HCD 04/22-14-3 | **A4.106.8.2.1, Tier 1; Option A**  **With sub-items 1a & 1b w/ Exceptions** | Approve | Disagree | 45-day comments:  Various commenters-**Amend** (See FSOR Attachment A for a complete list of signatories)  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Disapprove**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC)-**Amend** (See FSOR Attachment B for a complete list of signatories) | Propose new Tier 1 Option A for New multifamily dwellings, hotels and motels Item 1 (EV Ready Parking Spaces with Receptacles) with sub-Items: 1a-Hotels and Motels, 1b-Multifamily Parking Facilities with Exceptions 1 & 2.  **HCD: After CAC.** Amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code.  **HCD: After 45-day.** No further amendments made. See FSOR. |  |
| HCD 04/22-14-4 | **A4.106.8.2.1, Tier 1; Option A**  **With sub-items 2a & 2b w/ Exception** | Approve | Disagree | 45-day comments:  Various commenters-**Amend** (See FSOR Attachment A for a complete list of signatories)  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Amend**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC)-**Amend** (See FSOR Attachment B for a complete list of signatories) | Propose new Tier 1 Option A for New multifamily dwellings, hotels and motels Item 2 (EV Ready Parking Spaces with EV Chargers) with sub-Items: 2a-Hotels and Motels, 2b-Multifamily Parking Facilities with Exception.  **HCD: After CAC.** amended Exception for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code.  **HCD: After 45-day.** No further amendments made. See FSOR. |  |
| HCD 04/22-14-5 | **A4.106.8.2.1, Tier 1; Option B**  **With sub-items 1 w/ Exceptions & 2 w/ Exceptions** | Approve | Disagree | 45-day comments:  Various commenters-**Amend** (See FSOR Attachment A for a complete list of signatories)  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Amend**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC)-**Amend** (See FSOR Attachment B for a complete list of signatories) | Propose new Tier 1 Option B for Multifamily developments, Item 1-EV Ready Parking Spaces with Receptacles with Exceptions 1& 2 and Item 2- EV Ready Parking Spaces with EV Chargers with Exceptions 1 & 2.  **HCD: After CAC.** amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code.  **HCD: After 45-day.** No further amendments made. See FSOR. |  |
| HCD 04/22-14-6  (Revised) | **A4.106.8.2.1, Tier 2; Option A**  **With sub-items 1a & 1b w/ Exceptions** | Approve | Disagree | 45-day comments:  Various commenters-**Amend** (See FSOR Attachment A for a complete list of signatories)  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC)-**Amend** (See FSOR Attachment B for a complete list of signatories) | Propose new Tier 2 Option A for New multifamily dwellings, hotels and motels Item 1 (EV Ready Parking Spaces with Receptacles) with sub-Items: 1a-Hotels and Motels, 1b-Multifamily Parking Facilities with Exceptions 1 & 2.  **HCD: After CAC.** amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code.  **HCD: After 45-day.** No further amendments made. See FSOR. |  |
| HCD 04/22-14-7  (Revised) | **A4.106.8.2.1, Tier 2; Option A**  **With sub-items 2a & 2b w/ Exceptions** | Approve | Disagree | 45-day comments:  Various commenters-**Amend** (See FSOR Attachment A for a complete list of signatories)  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Amend**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC)-**Amend** (See FSOR Attachment B for a complete list of signatories) | Propose new Tier 2 Option A for New multifamily dwellings, hotels and motels Item 2 (EV Ready Parking Spaces with EV Chargers) with sub-Items: 2a-Hotels and Motels, 2b-Multifamily Parking Facilities with Exceptions 1 & 2.  **HCD: After CAC.** amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code.  **HCD: After 45-day.** No further amendments made. See FSOR. |  |
| HCD 04/22-14-8  (Revised) | **A4.106.8.2.1, Tier 2; Option B**  **With sub-items 1 w/ Exception & 2 w/ Exceptions** | Approve | Disagree | 45-day comments:  Various commenters-**Amend** (See Attachment A for a complete list of signatories)  Dennis J. Corelis, Electric Vehicle Charging for All Coalition (EVCAC)-**Amend**  California Statewide Utility Codes and Standards Team-**Amend**  Tessa Sanchez and Noelani Derrickson, Tesla, Inc.-**Amend**  Linda Hutchins-Knowles, EV Charging for All Coalition (EVCAC)-**Amend** (See FSOR Attachment B for a complete list of signatories) | Propose new Tier 2 Option B for Multifamily developments, Item 1-EV Ready Parking Spaces with Receptacles with Exception. Item 2- EV Ready Parking Spaces with EV Chargers with Exceptions 1 & 2.  **HCD: After CAC.** amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code.  **HCD: After 45-day.** No further amendments made. See FSOR. |  |