# COMMISSION ACTION MATRIX 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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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* Repealed California language appears ~~upright and in strikeout~~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** | CACAction | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-1-1 | **ELECTRIC VEHICLE CHARGING STATION (EVCS)** | Approve | Accept |  | Propose to modify existing definition to add the word “EVSE or receptacle(s)”. |  |
| HCD 04/22-1-2 | **ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE)** | Approve | Accept |  | Propose to modify existing definition to add “personnel protection system” to align with 2022 California Electrical Code. |  |
| HCD 04/22-1-3 | **LEVEL 2 ELECTRIC VEHICLE SUPPLY EQUIPMENT ~~(EVSE)~~** | Approve | Accept |  | Propose to modify existing definition to remove the acronym EVSE. |  |
| HCD 04/22-1-4 | **LEVEL 2 ELECTRIC VEHICLE (EV) CHARGER** | Approve | Accept |  | Propose to add a new definition for Level 2 EV charger. |  |
| HCD 04/22-1-5 | **LOW POWER LEVEL 2 ELECTRIC VEHICLE (EV) CHARGING RECEPTACLE** | Approve | Accept |  | Propose to modify existing definition to simplify and to remove superfluous information regarding EV driver and EV. |  |

### Chapter 4, Residential Mandatory Measures, Section 4.106.4 Electric vehicle (EV) charging for new construction

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

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| **Item Number 2** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-2-1 | **4.106.4** | Approve | Accept |  | Propose to repeal references to future installation of EV chargers and to amend reference to the California Electrical Code. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities.

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

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| **Item Number 3** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-3-1 | **4.106.4.2** | Approve | Accept |  | Propose editorial corrections to delete reference to a section proposed as “repealed.” |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.1 Multifamily development projects with less than 20 dwelling units; and hotels and motels with less than 20 sleeping units or guest rooms.

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

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| **Item Number 4** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-4-1 | **~~4.106.4.2.1~~****4.106.4.2.1 Reserved** | Approve | Accept |  | Propose to repeal existing code section and sub-sections, including text, and reserve for future use.Retitle section as “Reserved.” |  |

### 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** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-5-1 | **4.106.4.2.2** **(title)** | Approve | Accept |  | Propose to amend the existing title to remove reference to 20 or more units. |  |
| HCD 04/22-5-2 | **4.106.4.2.2, Item ~~1. EV capable, Exception & Notes~~** | Approve | Accept |  | Propose to repeal existing code language for EV capable along with Exception and Notes |  |
| 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 |  | 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**: See ISOR for HCD responses. |  |
| 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 |  | 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. |  |

### 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** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-6-1 | **4.106.4.2.2.1**  | Approve | Accept |  | Propose to amend main paragraph language to reference correct sections for EV charging station space dimensions and location. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.2.1.1 Location

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

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| **Item Number 7** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-7-1 | **~~4.106.4.2.2.1.1 Location~~ with ~~Exception~~** | Approve | Accept |  | Propose to repeal code section and code language and move existing code language into Item 8 (renumbered section) below. |  |

### 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** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| 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 |  | Propose to renumber and retitle code section and incorporate text from existing Section 4.106.4.2.2.1.1. |  |

### 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** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-9-1 | **4.106.4.2.2.1.~~3~~ 2** | Approve | Accept |  | Propose to renumber and retitle code section with additional edits to reference appropriate sections and rename “EVSE” to “EV chargers.” |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.3 EV space requirements.

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

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| **Item Number 10** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-10-1 | **4.106.4.2.3** **~~EV space requirements~~ Reserved.** | Approve | Accept |  | Propose to repeal text from code section and change title to “reserved” which reserves the section number for future use. |  |

### Chapter 4 Residential Mandatory Measures, Section 4.106.4.2.4 Identification.

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

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| **Item Number 11** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-11-1 | **4.106.4.2.4** **~~Identification~~ Reserved.** | Approve | Accept |  | Propose to repeal text from code section and change title to “reserved” which reserves the section number for future use. |  |

### 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** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-12-1 | **4.106.4.3** | Approve | Accept |  | Propose to amend code language to reference “EV Capable” and to incorporate existing requirements for panel circuit directory. |  |

### Appendix A4 Residential Voluntary Measures, Section A4.106.8 Electric vehicle (EV) charging for new construction.

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

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| **Item Number 13** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-13-1 | **A4.106.8** | Approve | Accept |  | Propose to amend code language to repeal references to future installation of EV chargers and to amend reference to the California Electrical Code. |  |

### 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** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-14-1 | **A4.106.8.2**  | Approve | Accept |  | Propose to amend the existing title  |  |
| HCD 04/22-14-2 | **A4.106.8.2.1, ~~Tier 1 & Tier 2~~** | Approve | Accept |  | Propose to amend the existing title and repeal existing code language for Tier 1 and Tier 2. |  |
| HCD 04/22-14-3 | **A4.106.8.2.1, Tier 1; Option A****With sub-items 1a & 1b w/ Exceptions** | Approve | Disagree |  | 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:** Post CAC; amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code. |  |
| HCD 04/22-14-4 | **A4.106.8.2.1, Tier 1; Option A****With sub-items 2a & 2b w/ Exception** | Approve | Disagree |  |  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:** Post CAC; amended Exception for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code. |  |
| 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 |  | 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 Chargerswith Exceptions 1 & 2.**HCD:** Post CAC; amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code. |  |
| HCD 04/22-14-6(Revised) | **A4.106.8.2.1, Tier 2; Option A****With sub-items 1a & 1b w/ Exceptions** | Approve | Disagree |  | 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:** Post CAC; amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code. |  |
| HCD 04/22-14-7(Revised) | **A4.106.8.2.1, Tier 2; Option A****With sub-items 2a & 2b w/ Exceptions** | Approve | Disagree |  | 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**: Post CAC; amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code. |  |
| 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 |  | Propose new Tier 2 Option B for Multifamily develop-ments, Item 1-EV Ready Parking Spaces with Receptacles with Exception. Item 2- EV Ready Park-ing Spaces with EV Chargers with Exceptions 1 & 2.**HCD**: Post CAC; amended Exception1 for Areas of parking facilities served by parking lifts to provide clarity and align with similar amendments throughout the code. |  |

### Appendix A4 Residential Voluntary Measures, Section A4.106.8.2.2 Technical requirements.

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

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| **Item Number 15** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-15-1 | **A4.106.8.2.2** | Approve | Accept |  | Propose to amend update referenced section numbers. |  |

### Appendix A4 Residential Voluntary Measures, Section A4.602 Residential Occupancies Application Checklist.

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

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| **Item Number 16** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| HCD 04/22-16-1 | **A4.602** | Accept | Accept |  | Propose to amend checklist as required to coordinate with amend code language |  |