APPROVED BY THE CALIFORNIA BUILDING STANDARDS COMMISSION

DECEMBER 17, 2024

# COMMISSION ACTION MATRIX plumbing, ELECTRICAL, MECHANICAL & energy (peme) CODE ADVISORY COMMITTEE

## 2025 california electrical CODE TITLE 24, PART 3, 2023 national electrical code AGENCY: state fire marshal, sfm 01/23

### 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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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, italic and ellipsis.

* Model Code language appears upright
* Existing California amendments appear in *italic*
* Amended model code or new California amendments appear *underlined & italic*
* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipses (…) indicate existing text remains unchanged

### ITEM 1, article 89 – general provisions

Carry forward existing California amendments in Article 89 with modifications listed below.

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| **SFM 01/23 Item Number 1** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 1-1 | ***89.101.1 Title*** | **Approve** | **Disagree** | No public comments received. | SFM proposes to carry forward existing amendment with modification to repeal the 2020 NEC and adopt the 2023 NEC.  **CAC:** Upon further review SFM found that the charging language did not identify properly all the sections intended for adoption. They are now listed in the 45-Day ET. | **Approve** |

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### ITEM 2, article 90 - introduction

Adopt Article 90 of the 2023 NEC without amendments.

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| **SFM 01/23 Item Number 2** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 2-1 | **Article 90** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Article 90 of the 2023 NEC without amendments into the 2025 CEC. | **Approve** |

### ITEM 3, Chapter 1 – general

Adopt Chapter 1 (Articles 100 and 110) of the 2023 NEC and carry forward existing amendments without modification into the 2025 CEC.

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| **SFM 01/23 Item Number 3** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 3-1 | **Chapter 1 - General** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Chapter 1 of the 2023 NEC and carry forward existing amendments without modification into the 2025 CEC. | **Approve** |

### ITEM 4, Chapter 2 – wiring and protection

Adopt Chapter 2 (Articles 200, 210, 215, 220, 225, 230, 235, 240, 242, 245 and 250) of the 2023 NEC and repeal existing amendment as listed below.

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| **SFM 01/23 Item Number 4** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 4-0 | **210.8 Ground-Fault Circuit-Interrupter Protection for Personnel** | **N/A** | **Withdraw** | **45-Day Public Comment Period:**  Mike Stone-NEMA – Recommend: Disapprove.  Randall Cooper – Association of Home Appliance Manufacturers – Recommend: Approve as Amended. | **POST CAC:** The proposal was added here after it was heard at the CAC hearing for HCD and recommended to be coordinated between HCD and SFM. SFM is co-adopting the strikeout of the September 1, 2026, expiration date from Exception No. 2.  SFM and HCD both withdrew the amendment to Section 210.8(F) at the December 17, 2024, Commission meeting. | **N/A** |
| 4-1 | **210.12 Arc-Fault Circuit-Interrupter Protection** | **Approve** | **Accept** | No public comments received. | SFM proposes to modify the existing amendment by adding the most current edition of the NFPA 72 standard (2025 instead of 2016). | **Approve** |

### ITEM 5, Chapter 3 – Wiring methods and materials

Adopt Chapter 3 (Articles 300, 305, 310, 312, 314, 315, 320, 322, 324, 326, 330, 332, 334, 335, 336, 337, 338, 340, 342, 344, 348, 350, 352, 353, 354, 355, 356, 358, 360, 362, 366, 368, 369, 370, 371, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 393, 394, 395, 396 and 398) of the 2023 NEC without amendments.

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| **SFM 01/23 Item Number 5** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 5-1 | **Chapter 3 – Wiring Methods and Materials** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Chapter 3 of the 2023 NEC without amendment into the 2025 CEC. | **Approve** |

### ITEM 6, Chapter 4 – equipment for general use

Adopt Chapter 4 (Articles 400, 402, 404, 406, 408, 409, 410, 411, 422, 424, 425, 426, 427, 430, 440, 445, 450, 455, 460, 470, 480 and 495) of the 2023 NEC without amendment.

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| **SFM 01/23 Item Number 6** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 6-1 | **Chapter 4 – Equipment for**  **General Use** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Chapter 4 of the 2023 NEC without amendment into the 2025 CEC. | **Approve** |

### ITEM 7, Chapter 5 – special occupancies

Adopt Chapter 5 (Articles 500, 501, 502, 503, 504, 505, 506, 511, 512, 513, 514, 515, 516, 517, 518, 520, 522, 525, 530, 540, 545, 547, 555 and 590) except Articles 550, 551 and 552 of the 2023 NEC with new and existing amendments as listed below.

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| **SFM 01/23 Item Number 7** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 7-1 | **517.31 *(H) [SFM] On-site energy storage systems and fuel supply***  **517.42 *(G) [SFM] On-site energy storage systems and fuel supply***  **517.45 *(H) [SFM] (Surgical Clinics only*** | **Approve** | **Disagree** | No public comments received. | SFM proposes to adopt new requirements for on-site energy storage systems and fuel supply.  **POST CAC:** Apon further coordination with OSHPD after the CAC meeting, SFM made changes in the proposed language to align with OSHPD proposed language. | **Approve** |
| 7-2 | **Article 590 temporary Installations** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Article 590 and carry forward existing amendments. |  |

### ITEM 8, Chapter 6 – special equipment

Adopt Chapter 6 (Articles 600, 604, 605, 610, 620, 625, 626, 630, 640, 645, 646, 647, 650, 660, 665, 668, 669, 670, 675, 680, 682, 685, 690, 691, 692, 694 and 695) of the 2023 NEC and carry forward existing amendments.

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| **SFM 01/23 Item Number 8** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 8-1 | **Article 625 Electric Vehicle Power Transfer System** | **Approve** | **Accept** | No public comments received. | SFM proposes to carry forward existing amendments. | **Approve** |

### ITEM 9, Chapter 7 – Special Conditions

Adopt Chapter 7 (Articles 700, 701, 702, 705, 706, 708, 710, 722, 724, 725, 726, 728, 750, 760 and 770) of the 2023 NEC with existing amendments and modifications as listed below.

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| **SFM 01/23 Item Number 9** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 9-1 | **700.12 (D) Generator Set *~~Exceptions~~*** | **Approve** | **Accept** | No public comments received. | SFM proposes to repeal the existing amendment to Section 700.12. | **Approve** |
| 9-2 | **Article 760 Fire Alarm Systems** | **Approve** | **Accept** | No public comments received. | SFM proposes to carry forward existing amendments with modification to the year of the NFPA standard. | **Approve** |

### ITEM 10, Chapter 8 – Communication systems

Adopt Chapter 8 (Article 800, 805, 810, 820, 830 and 840) of the 2023 NEC without amendment.

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| **SFM 01/23 Item Number 10** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 10-1 | **Chapter 8 – Communication Systems** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Chapter 8 of the 2023 NEC without amendment into the 2025 CEC. | **Approve** |

### ITEM 11, Chapter 9 - Tables

Adopt Chapter 9 tables.

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| **SFM 01/23 Item Number 11** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 11-1 | **Chapter 9 – Tables** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Chapter 9 of the 2023 NEC without amendment into the 2025 CEC. | **Approve** |

### ITEM 12, Annexes a, b, c, d, e, f, g, h, i, j & k

Adopt Annexes A and B and do not adopt Annexes C through K.

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| **SFM 01/23 Item Number 12** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 12-1 | **Annexes A, B, C, D, E, F, G, H, I, J AND K** | **Approve** | **Accept** | No public comments received. | SFM proposes to adopt Annexes A and B and do not adopt Annexes C through K from the 2023 NEC. | **Approve** |