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: DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION/office of statewide hospital planning and development, oshpd 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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*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

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to carry forward existing California amendments in Article 89 with modifications listed below.

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| **OSHPD 01/23 Item Number 1** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 1-1 | ***Article 89*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to replace “health” with “hospital” in each instance where the title “Office of Statewide Health Planning and Development” appears. | **Approve** |
| 1-2 | ***89.110.6 OSHPD 6*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add this new section to align with the new OSHPD banner. | **Approve** |

### ITEM 2, Article 90 Introduction

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to adopt article 90 of the 2023 NEC without amendment.

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| **OSHPD 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 | OSHPD proposes to adopt Article 90 from the 2023 NEC without amendment. | **Approve** |

### ITEM 3, Chapter 1 – General

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to adopt Chapter 1 (Articles 100 and 110) of the 2023 NEC, carry forward existing amendments for OSHPD 1, 1R, 2, 3, 4 & 5, and add new amendments listed below.

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| **OSHPD 01/23 Item Number 3** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 3-1 | ***Life-Saving Equipment. [OSHPD 2]***  ***Oxygen-Generating Devices. [OSHPD 2]***  **Category 1 Space (Category 1).**  **Category 2 Space (Category 2).** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to relocate definitions from Article 517.2 to Article 100 and add appropriate banners. | **Approve** |

### ITEM 4, chapter 2 – Wiring and protection

OSHPD propose to adopt Chapter 2 Articles 200, 210, 215, 225, 230, 235, 240, 242, 245 and 250 of the 2023 NEC without amendments for OSHPD 1, 1R, 2, 3, 4, 5 & 6, Article 220 without amendments for OSHPD 1, 2, 3, 4, 5 & 6 and repeal existing amendments in Article 220 as listed below.

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| **OSHPD 01/23 Item Number 4** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 4-1 | **220.1 Scope.**  **220.40 General.**  **220.42 General Lighting.**  ***~~[OSHPD 1, 2, 3, 4 & 5] Part VI. Health Care Facilities~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal all existing OSHPD amendments from Article 220. | **Approve** |

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

OSHPD 1, 1R, 2, 3, 4, 5, & 6 propose to 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 amendment.

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| **OSHPD 01/23 Item Number 5** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 5-1 | **Chapter 3** | **Approve** | **Accept** | No Public Comments Received | OSHPD propose to adopt Chapter 3 from the 2023 NEC without amendment. | **Approve** |

### ITEM 6, Chapter 4 – Equipment for General use

OSHPD propose to adopt Chapter 4 Articles 400 and 402, 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 amendments for OSHPD 1, 1R, 2, 3, 4, 5 & 6, Article 404 without amendments for OSHPD 1R, 3 & 6, and carry forward existing amendments with modifications listed below.

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| **OSHPD 01/23 Item Number 6** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 6-1 | **404.4 Damp or Wet Locations** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add OSHPD 6 to the banner. | **Approve** |
| 6-2 | **406.9 Receptacles in Damp or Wet Locations.** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal all existing amendment to Article 406. | **Approve** |

### ITEM 7, Chapter 5 – Special occupancies

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to adopt Articles in Chapter 5 of the 2023 NEC as listed below.

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| **OSHPD 01/23 Item Number 7** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 7-1 | **Articles 500, 501, 502, 503, 504, 505, 506 and 515** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to adopt these Articles from the 2023 NEC without amendment. | **Approve** |
| 7-2 | **Articles 511, 512, 513, 514 and 516** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to not adopt these Articles from the 2023 NEC. | **Approve** |

### ITEM 8, Article 517 – Health care facilities

OSHPD 1, 1R, 2, 3, 4, 5 & 6 proposes to adopt Article 517 of the 2023 NEC, carry forward existing amendments for OSHPD 1, 2, 3, 4 & 5 with modifications as listed below.

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| **OSHPD 01/23 Item Number 8** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 8-1 | **517.1 Scope**  ***(C) Electrical Equipment Schedules [OSHPD 1, 2, 4, & 5]*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to fix grammatical errors. | **Approve** |
| 8-2 | **517.2 Definitions**  ***~~Life-Saving Equipment~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to relocate to Article 100. | **Approve** |
| 8-3 | ***~~Microgrid, Health Care (Health Care Microgrid System)~~***  ***~~Microgrid Control System (MCS)~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal as these definitions have been added to the model code text. | **Approve** |
| 8-4 | ***~~Oxygen-Generating Devices~~***  **~~Category 1 (Critical Care) Space~~**  **~~Category 2 (General Care) Space~~** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to relocate to Article 100. | **Approve** |
| 8-5 | ***517.4 Electric Power Sources, Feeders and Services******~~/Systems and Utilities~~.*** | **Further Study** **Required** | **Accept** | No Public Comments Received | OSHPD proposes to add the OSHPD 6 banner and modify text to address new technologies.  **CAC:** Further study based on Criteria 6. Explore the need to have OSHPD 6 banner since it won’t need backup power.  **OSHPD**: Banner 6 no longer added. | **Approve** |
| 8-6 | ***517.8 [OSHPD 1, 2, 3, 4, 5 & ~~5~~6] Artificial Lighting*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add the OSHPD 6 banner and relocate from 517.22. | **Approve** |
| 8-7 | ***517.9 Mobile Medical Facilities*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to relocate from 517.24. | **Approve** |
| 8-8 | **517.10(B)(2) Applicability** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal this amendment. | **Approve** |
| 8-9 | **517.18 Category 2 Spaces. (B)(2)** | **Further Study** **Required** | **Disagree** | No Public Comments Received | OSHPD proposes to repeal Exception 3, renumber Exceptions 4 and 5 and add 1R banner to one of the exceptions.  **CAC:** Further study based on Criteria 6. Consider OSHPD 3 (surgical clinics only) banner to be added.  **OSHPD:** No changes in ET. Does not apply to OSHPD 3 facilities. | **Approve** |
| 8-10 | ***~~517.22 Artificial Lighting~~***  ***~~517.24 Mobile Medical Facilities~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to relocate to 517.8 and 517.9. | **Approve** |
| 8-11 | **517.29 Type 1 Essential Electrical Systems *(A.1)*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to revise the banner to apply to Surgical Clinics. | **Approve** |
| 8-12 | **517.30 Sources of Power *(A.1) Two Independent Power Sources*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add text to clarify the EES requirements. | **Approve** |
| 8-13 | **517.30 *~~(B.1) Power Sources for the ESS~~***  **(B)(3) Battery Systems** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal their amendments. | **Approve** |
| 8-14 | **517.30 *~~(B)(4) Health Care Microgrid~~***  **(B)(5) Health Care Microgrid** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal their amendments and add requirements for healthcare microgrids in the model code section. | **Approve** |
| 8-15 | **517.30 *(D) Temporary Source of Power for Maintenance or repair of the Alternate Source of Power.*** | **Further Study Required** | **Accept** | No Public Comments Received | OSHPD proposes to add provisions for permanent connection points for temporary sources.  **CAC:** Further study based on Criteria 6. CAC suggest it should say “energy sources **or** stored energy power” not “and stored energy power”  **OSHPD**: “and” revised to “or” | **Approve** |
| 8-16 | **517.31 ~~(~~*~~D.1~~*~~)~~ *~~Capacity of Systems.~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal this amendment. | **Approve** |
| 8-17 | **517.31 (E) Receptacle Identification.** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal this amendment, | **Approve** |
| 8-18 | **517.31 *(H) [SFM, OSHPD 1, 4 & 5] On-site energy storage systems and fuel supply.*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add requirements for on-site storage systems and fuel supply. | **Approve** |
| 8-19 | **517.41 *(A.1) Two Independent Power Sources.*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add requirements for two independent power sources. | **Approve** |
| 8-20 | **517.41 *~~(B.1) Power Sources for the EES~~***  ***~~(1) Generating Units~~***  ***~~(2) Fuel Cell Systems~~***  ***~~(3) Battery Systems~~***  ***~~(4) Health Care Microgrid~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal these amendments. | **Approve** |
| 8-21 | **517.41 *(D) Power Sources for the EES.*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add a list of permitted power sources for the EES. | **Approve** |
| 8-22 | **517.41 *(E) Permanent Connection(s) Points for EES Maintenance and Repairs.*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add a requirement for a permanent connection point for maintenance of the EES. | **Approve** |
| 8-23 | **517.42 (E) Receptacle Identification. *~~[OSHPD 1, 2, 4 & 5]~~*** | **Further Study Required** | **Accept** | No Public Comments Received | OSHPD proposes to repeal the OSHPD 1, 2, 4 & 5 banner.  **CAC:** Further study based on Criteria 6. CAC suggests CA amendment should be in strikeout.  **OSHPD**: “or the cover plates for the electrical receptacles” has been struck out to match model code. | **Approve** |
| 8-24 | **517.42 *(G) On-site energy storage systems and fuel supply*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add requirements for on-site energy storage systems and fuel supply. | **Approve** |
| 8-25 | **517.44 (B)*~~(3.1) Optional Connections to the Equipment Branch~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal this amendment. | **Approve** |
| 8-26 | **517.45 *(E.1) [OSHPD 3 (Surgical Clinics only)]*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes specify these requirements are for surgical clinics only. | **Approve** |
| 8-27 | **517.45 *~~(G) [OSHPD 3] Ambulatory Surgical Clinics~~***  ***~~(H)(G)~~ [OSHPD 3] Hemodialysis Clinic*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal this amendment and renumber (H) to (G). | **Approve** |
| 8-28 | **517.45 *(H) [SFM, OSHPD 3 (Surgical Clinics only)]*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add requirements for ambulatory surgical clinics. | **Approve** |
| 8-29 | **517.63 (A) Battery-Powered Lighting Units** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add the OSHPD 1, 3 & 4 banner and requirements for lighting. | **Approve** |
| 8-30 | **517.80 Patient Care Spaces** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to remove the banner and amendment. | **Approve** |
| 8-31 | ***517.123 [OSHPD 1, 2, 3, 4 & 5] Call Systems*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to modify the amendment. | **Approve** |

### ITEM 9, Chapter 5 – Special occupancies

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to adopt Articles in Chapter 5 as listed below.

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| **OSHPD 01/23 Item Number 9** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 9-1 | **Articles 518, 520, 540, 545 and 590** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to adopt these articles from the 2023 NEC without amendment. | **Approve** |
| 9-2 | **Articles 522, 525, 530, 547, 550, 551, 552 and 555** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to not adopt these articles from the 2023 NEC. | **Approve** |

### ITEM 10, Chapter 6 – Special equipment

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to adopt Chapter 6 of the 2023 NEC as listed below.

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| **OSHPD 01/23 Item Number 10** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 10-1 | **Articles 600, 604, 605, 610, 620, 625, 630, 640, 645, 646, 647, 650, 660, 665, 668, 680, 682, 685, 690, 691, 692, 694 and 695** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to adopt:   * Articles 600, 604, 605, 610, 625, 630, 640, 645, 646, 647, 650, 660, 665, 668, 680, 682, 685, 690, 691, 692 and 694 without amendments for OSHPD 1, 1R, 2, 3, 4, 5 & 6. * Article 620 for OSHPD 1, 1R, 2, 3, 4, 5 & 6 and carry forward existing amendment for OSHPD 1. * Article 695 for OSHPD 1, 1R, 2, 3, 4, 5 & 6 and carry forward existing amendments for OSHPD 1, 1R, 2, 3, 4, & 5. | **Approve** |
| 10-2 | **Articles 626, 669, 670 and 675** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to not adopt these articles. | **Approve** |

### ITEM 11, Chapter 7 – Special conditions

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to adopt Chapter 7 Articles 700, 701, 702, 705, 706, 708, 710, 722, 724, 725, 726, 728, 750, 760 and 770 of the 2023 NEC and carry forward existing amendments for OSHPD 1, 1R, 2, 3, 4, & 5 with modifications as listed below.

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| **OSHPD 01/23 Item Number 11** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 11-1 | **700.12 General Requirements. (C) *~~Exception~~***  **(D)(2) *~~Exceptions~~***  **(G) *~~Exception~~*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to repeal existing amendments. Text is being moved to Article 517 with revisions. | **Approve** |
| 11-2 | **Article 705.20 Disconnecting Means, Source** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add the OSHPD 6 banner. | **Approve** |
| 11-3 | **Article 708.1 Scop*e [Not required for OSHPD 1, 1R, 2, 3, 4, 5 & ~~5~~6]*** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to add the OSHPD 6 banner. | **Approve** |

### ITEM 12, Chapter 8 – Communications systmems

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to adopt Chapter 8 of the 2023 NEC without amendment.

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| **OSHPD 01/23 Item Number 12** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 12-1 | **Articles 800, 805, 810, 820, 830 and 840** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to adopt these articles from the 2023 NEC without amendment. | **Approve** |

### ITEM 13, Chapter 9 – Tables

OSHPD 1, 1R, 2, 3, 4, 5, & 6 proposes adopt Chapter 9 of the 2023 NEC without amendment.

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| **OSHPD 01/23 Item Number 13** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 13-1 | **Chapter 9 Tables** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to adopt Chapter 9 from the 2023 NEC without amendment. | **Approve** |

### ITEM 14, Annexes A, B, C, D, E, F, G, H, I AND J

OSHPD 1, 1R, 2, 3, 4, 5 & 6 propose to not adopt the Annexes of the 2023 NEC.

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| **OSHPD 01/23 Item Number 14** | **Code Section** | **CAC Action** | **Agency Response** | **Public Comments** | **Annotations** | **CBSC Action** |
| 14-1 | **Annexes** | **Approve** | **Accept** | No Public Comments Received | OSHPD proposes to not adopt the Annexes from the 2023 NEC. | **Approve** |