

COMMISSION ACTION MATRIX-GREEN

2022 CALIFORNIA MECHANICAL CODE, TITLE 24, PART 4, 2021 UNIFORM MECHANICAL CODE
AGENCY: DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT (HCD 01/21)

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Matrix Paper Color (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required

PEME CODE ADVISORY COMMITTEE

CHAPTER 1 – ADMINISTRATION

Carry forward 2019 CMC for adoption into the 2022 CMC with modification to sections listed below

| Item Number 1 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|------------------------------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-1-1 | 1.1.1 Title | Approve | Accept | | Amend section: strike 2018, replace with 2021 | |
| HCD 01/21-1-2 | 1.1.7.3.1 | Approve | Accept | | Editorial revision. | |
| HCD 01/21-1-3 | 1.1.8.1, #3. | Approve | Accept | | Editorial revision to the address. | |
| HCD 01/21-1-4 | 1.1.9, Exceptions: | Approve | Accept | | Reference to CCR, title 25, section 3048 renumbered as section 3037 | |
| HCD 01/21-1-5 | 1.8.2.1.1 through 1.8.2.1.3 | Approve | Accept | | Revised code reference citations. | |

CHAPTER 1 – ADMINISTRATION DIVISION II

Carry forward only sections 2019 CMC Division II sections listed below, without modification.

| Item Number 2 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|------------------------|------------|-----------------|-----------------|--|-------------|
| HCD 01/21-2-1 | 104.2, #1. – 5. | Approve | Accept | | Carry forward only sections 2019 CMC Division II sections listed below, without modification | |

CHAPTER 2 – DEFINITIONS

Adopt 2021 UMC Chapter 2 Definitions and carry forward 2019 CMC existing amendments, without modification.

| Item Number 3 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|------------------------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-3-1 | Chapter 2 Definitions | Approve | Accept | | Adopt model and carry forward existing CA amendments. | |

CHAPTER 3 - GENERAL REGULATIONS

Adopt Chapter 3 from the 2021 UMC into the 2022 CMC, with existing California amendments, with additional modifications listed below

| Item Number 4 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|------------------|------------|-----------------|-----------------|--|-------------|
| HCD 01/21-4-1 | Chapter 3 | Approve | Accept | | Adopt model and carry forward existing CA amendments. | |
| HCD 01/21-4-2 | 311.2 | Approve | Accept | | HCD is repealing this amendment to correlate with CEC proposals. | |
| HCD 01/21-4-3 | 316.2 | Approve | Accept | | Carry forward editorial revisions to California Code references. | |
| HCD 01/21-4-4 | 316.5 | Approve | Accept | | Carry forward editorial revisions to California Code references. | |
| HCD 01/21-4-5 | 316.9 | Approve | Accept | | Carry forward editorial revisions to California Code references. | |

CHAPTER 4 - VENTILATION AIR SUPPLY

Adopt Chapter 4 from the 2021 UMC into the 2022 CMC, with existing California amendments, with additional modifications listed below.

| Item Number 5 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|----------------------|------------|-----------------|-----------------|--|-------------|
| HCD 01/21-5-1 | Chapter 4 | Approve | Accept | | Adopt model and carry forward existing CA amendments. | |
| HCD 01/21-5-2 | (402.5) 405.3 | Approve | Accept | | Relocation of amendment to align with model code revisions. No Change to amendment text. | |

CHAPTER 5 - EXHAUST SYSTEMS

Adopt Chapter 5 from the 2021 UMC into the 2022 CMC without amendments.

| Item Number 6 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|--------------|------------|-----------------|-----------------|---------------------------------|-------------|
| HCD 01/21-6-1 | Chapter 5 | Approve | Accept | | Adopt model without amendments. | |

CHAPTER 6 - DUCT SYSTEMS

Adopt Chapter 6 from the 2021 UMC into the 2022 CMC, with existing California amendments, with additional modifications listed below.

| Item Number 7 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|---------------------------------------|------------|-----------------|-----------------|--|-------------|
| HCD 01/21-7-1 | Chapter 6 | Approve | Accept | | Adopt model and carry forward existing CA amendments. | |
| HCD 01/21-7-2 | 601.2, <i>Repeal Exception</i> | Approve | Accept | | HCD is repealing this exception to this section to correlate with CEC proposals. | |
| HCD 01/21-7-3 | 603.3.1 | Approve | Accept | | Carry forward editorial revisions to California Code references. | |
| HCD 01/21-7-4 | <i>Repeal 603.10.1.1</i> | Approve | Accept | | HCD is repealing this amendment to correlate with CEC proposals. | |

CHAPTER 7 - COMBUSTION AIR

Adopt Chapter 7 from the 2021 UMC into the 2022 CMC, without amendment.

| Item Number 8 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|--------------|------------|-----------------|-----------------|--------------------------------|-------------|
| HCD 01/21-8-1 | Chapter 7 | Approve | Accept | | Adopt model without amendment. | |

CHAPTER 8 - CHIMNEYS AND VENTS

Adopt Chapter 8 from the 2021 UMC into the 2022 CMC, without amendment.

| Item Number 9 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|---------------|--------------|------------|-----------------|-----------------|--------------------------------|-------------|
| HCD 01/21-9-1 | Chapter 8 | Approve | Accept | | Adopt model without amendment. | |

CHAPTER 9 - INSTALLATION OF SPECIFIC APPLIANCES

Adopt Chapter 9, except Sections 911.2.2, 912.1, 930.0, and 930.1 from the 2021 UMC into the 2022 CMC, with existing California amendments, with additional modifications listed below.

| Item Number 10 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|----------------------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-10-1 | Chapter 9 | Approve | Accept | | Adopt Chapter 9, except Sections 911.2.2, 912.1, 930.0, and 930.1 from the 2021 UMC into the 2022 CMC, with existing California amendments. | |
| HCD 01/21-10-2 | 911.2.2 <i>Reserved</i> | Approve | Accept | | Proposing to strike model code section and reserving this section since HCD does not adopt. | |
| HCD 01/21-10-3 | 912.1. <i>Reserved</i> | Approve | Accept | | Proposing to strike model code section and reserving this section since HCD does not adopt. | |

CHAPTER 10 - BOILERS AND PRESSURE VESSELS

Adopt Chapter 10 from the 2021 UMC into the 2022 CMC, with existing California amendments.

| Item Number 11 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-11-1 | Chapter 10 | Approve | Accept | | Adopt model and carry forward existing CA amendments. | |

CHAPTER 11 - REFRIGERATION

Adopt Chapter 11 from the 2021 UMC into the 2022 CMC, with existing California amendments.

| Item Number 12 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-12-1 | Chapter 11 | Approve | Accept | | Adopt model and carry forward existing CA amendments. | |

CHAPTER 12 - HYDRONICS

Adopt Chapter 12 from the 2021 UMC into the 2022 CMC, with existing California amendments, with additional modifications listed below.

| Item Number 13 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|------------------------------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-13-1 | Chapter 12 | Approve | Accept | | Adopt model without amendment. | |
| HCD 01/21-13-2 | 1217.5.2 Insulation. | Approve | Accept | | HCD is repealing the amendment to this section regarding insulation and poured concrete radiant floor system, correlating with CEC proposals. | |
| HCD 01/21-13-3 | 11217.7 (formerly 1217.5.4) | Approve | Accept | | HCD is repealing the amendment to this section regarding insulation and piping installed in the stud wall cavity or the ceiling joist cavity, correlating with CEC proposals. | |
| HCD 01/21-13-4 | 1220.4.5 (formerly 1220.2.5) | Approve | Accept | | HCD is repealing the amendment to this section regarding insulation and poured concrete snow melt system, correlating with CEC proposals. | |

CHAPTER 13 - FUEL GAS PIPING

Adopt Chapter 13 from the 2021 UMC into the 2022 CMC, without amendment.

| Item Number 14 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|--------------------------------|-------------|
| HCD 01/21-14-1 | Chapter 13 | Approve | Accept | | Adopt model without amendment. | |

CHAPTER 14 - PROCESS PIPING

HCD Does not adopt Chapter 14 of the 2021 UMC.

| Item Number 15 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---------------------|-------------|
| HCD 01/21-15-1 | Chapter 14 | Approve | Accept | | HCD does not adopt. | |

CHAPTER 15 – SOLAR ENERGY SYSTEMS

Adopt Chapter 15 from the 2021 UMC into the 2022 CMC, with existing California amendments.

| Item Number 16 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-16-1 | Chapter 15 | Approve | Accept | | Adopt model and carry forward existing CA amendments. | |

CHAPTER 16 – STATIONARY POWER PLANTS

Adopt Chapter 16 from the 2021 UMC into the 2022 CMC, without amendment.

| Item Number 17 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|--------------------------------|-------------|
| HCD 01/21-17-1 | Chapter 16 | Approve | Accept | | Adopt model without amendment. | |

CHAPTER 17 – REFERENCED STANDARDS

Adopt Chapter 17 from the 2021 UMC into the 2022 CMC, without amendment.

| Item Number 18 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|--------------------------------|-------------|
| HCD 01/21-18-1 | Chapter 17 | Approve | Accept | | Adopt model without amendment. | |

APPENDIX A - RESIDENTIAL PLANS EXAMINER REVIEW FORM FOR HVAC SYSTEM DESIGN (LOADS, EQUIPMENT, DUCTS) [ACCA]

HCD Does not adopt Appendix A of the 2021 UMC.

| Item Number 19 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-19-1 | Appendix A | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |

APPENDIX B - PROCEDURES TO BE FOLLOWED TO PLACE GAS EQUIPMENT IN OPERATION

HCD Does not adopt Appendix B of the 2021 UMC.

| Item Number 20 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-19-1 | Appendix B | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |

APPENDIX C - INSTALLATION AND TESTING OF OIL (LIQUID) FUEL-FIRED EQUIPMENT

HCD Does not adopt Appendix C of the 2021 UMC.

| Item Number 21 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-21-1 | Appendix C | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |

APPENDIX D - FUEL SUPPLY: MANUFACTURED/MOBILE HOME PARKS AND RECREATIONAL VEHICLE PARKS

HCD Does not adopt Appendix D of the 2021 UMC.

| Item Number 22 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-22-1 | Appendix D | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |

APPENDIX E - SUSTAINABLE PRACTICES

HCD Does not adopt Appendix E of the 2021 UMC.

| Item Number 23 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-23-1 | Appendix E | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |

APPENDIX F - GEOTHERMAL ENERGY SYSTEMS

HCD Does not adopt Appendix F of the 2021 UMC.

| Item Number 24 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-24-1 | Appendix F | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |

APPENDIX G - SIZING OF VENTING SYSTEMS AND OUTDOOR COMBUSTION AND VENTILATION OPENING DESIGN

HCD Does not adopt Appendix G of the 2021 UMC.

| Item Number 25 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-25-1 | Appendix G | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |

APPENDIX H - EXAMPLE CALCULATION OF OUTDOOR AIR RATE

HCD Does not adopt Appendix H of the 2021 UMC.

| Item Number 26 | Code Section | CAC Action | Agency Response | Public Comments | Annotations | CBSC Action |
|----------------|--------------|------------|-----------------|-----------------|---|-------------|
| HCD 01/21-26-1 | Appendix H | Approve | Accept | | HCD does not adopt. Carry forward existing appendix note. | |