# INITIAL EXPRESS TERMSFOR PROPOSED BUILDING STANDARDS OF THECALIFORNIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT REGARDING THE **2025 CALIFORNIA PLUMBING CODE**,CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART **5**(HCD XX/XX)

The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific (Government Code Section 11346.2(a)(1)).

If using assistive technology, please adjust your settings to recognize underline, strikeout, italic and ellipsis.

## LEGEND for EXPRESS TERMS

* 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* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipsis ( ...) indicate existing text remains unchanged

## ITEM 1Chapter 1, Division I California Administration

HCD proposes to bring forward existing California amendments in Chapter 1, Division I, from the 2022 California Plumbing Code (CPC) for adoption into the 2025 CPC with modifications as follows:

**Note:** Chapter 1, Division 1 is comprised entirely of California amendments. Therefore, only detailed text of proposed changes, repeals and new amendments are shown.

**CHAPTER 1
ADMINISTRATION
DIVISION I** **CALIFORNIA ADMINISTRATION**

***1.1.1 Title.*** *These regulations shall be known as the California Plumbing Code, may be cited as such and will be referred to herein as “this code.” The California Plumbing Code is Part 5 of thirteen parts of the official compilation and publication of the adoption, amendment, and repeal of plumbing regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part incorporates by adoption the ~~2021~~* *2024 Uniform Plumbing Code of the International Association of Plumbing and Mechanical Officials with necessary California amendments.*

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 2Chapter 1, Division II, Administration

HCD proposes to adopt Chapter 1, Division II, Section 104.2 only, from the 2024 Uniform Plumbing Code (UPC) into the 2025 CPC without amendments.

**DIVISION II** **ADMINISTRATION**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 3Chapter 2, Definitions

HCD proposes to adopt Chapter 2 from the 2024 UPC (except definitions of “Diverter Valve, Gray Water”, “Diverter Valve, On-Site Treated Nonpotable Water”, and “Diverter Valve, Rainwater”) and bring forward California amendments from the 2022 CPC into the 2025 CPC without modification.

**CHAPTER 2** **DEFINITIONS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 4Chapter 3 General Regulations

HCD proposes to adopt Chapter 3 of the 2024 UPC (except Sections 301.3.1, 301.3.1.1, and 301.3.1.2) and bring forward all existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

**CHAPTER 3** **GENERAL REGULATIONS**

***~~301.6~~ 301.8 One- and Two-Family Dwellings. [HCD 1]*** *The provisions contained in this code shall not apply to one-**and two-family dwelling private sewage disposal systems and**minimum plumbing facilities when alternate facilities or installations**have been approved by the local health authority,**provided that such alternative facilities or installations provide**substantially equivalent or greater protection to health**and safety.*

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 5Chapter 4, Plumbing Fixtures and Fixture Fittings

HCD proposes to adopt Chapter 4 from the 2024 UPC (except Sections 422.2, 422.4, and 422.5) and bring forward all existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

**CHAPTER 4** **PLUMBING FIXTURES AND FIXTURE FITTINGS**

**408.3 [formerly section 408.2] Water Consumption.** Showerheads shall have a maximum flow rate of not more than *1.8* gpm at 80 psi (*6.81* L/m at 552 kPa). Body sprays shall have a flow rate of not more than ~~2.5~~ *1.8* gpm at 80 psi (~~9.5~~ *6.81* L/m at 552 kPa). ***[HCD 1]*** *Residential showerheads shall* *comply with Division 4.3 of the California Green Building* *Standards Code (CALGreen).* *Residential body sprays shall comply with the showerhead requirements in Division 4.3 of CALGreen.*

**420.0 Sinks.**

***420.2.2 Kitchen Faucets. [HCD 1]*** *The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons (6.81 L) per minute at 60 psi* *(414 kPa). Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons (8.32 L) per minute at 60 psi (414 kPa) and must default to a maximum flow rate of 1.8 gallons (6.81 L) per minute at 60 psi (414 kPa). in compliance with Chapter 4, Division 4.3 or Chapter 5, Division 5.3 of the California Green Building Standards Code (CALGreen), as applicable.*

***420.3.1 Pre-Rinse Spray Valves. [BSC-CG, DSA-SS, HCD 1 & HCD 2]*** *When installed, Commercial Pre-Rinse Spray Valves shall meet the**requirements in the California Code of Regulations, Title**20 (Appliance Efficiency Regulations), Section**~~1605.1(h)(4)~~ 1605.3(h)(4)(A), including a minimum spray force of not less than 4.0 ounces-force (ozf) [113 grams-force (gf)]. ~~Table H-2, Section 1605.3(h)(4)(A), and Section 1607(d)(7), and shall be equipped with an integral~~**~~automatic shutoff.~~*

***~~FOR REFERENCE ONLY:~~*** *~~The following table and code section have been reprinted from the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1(h)(4) and Section 1605.3(h)(4)(A).~~*

***~~Table H-2~~***

***~~STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALVES
MANUFACTURED ON OR AFTER JANUARY 28, 2019~~*~~.~~**

|  |  |
| --- | --- |
| ***~~PRODUCT CLASS (spray force in ounce force (ozf))~~*** | ***~~MAXIMUM FLOW RATE (gpm)~~*** |
| *~~Product Class 1 (~~****~~≤ 5.0 ozf)~~*** | *~~1.00~~* |
| *~~Product Class 2 (> 5.0 ozf and~~* ***~~≤ 8.0 ozf)~~*** | *~~1.20~~* |
| *~~Product Class 3 (>~~* ***~~8.0 ozf)~~*** | *~~1.28~~* |

*~~Title 20 Section 1605.3(h)(4)(A): Commercial pre-rinse spray valves manufactured on or after January 1, 2006, shall have a minimum spray force of not less than 4.0 ounces-force (ozf) [113 grams-force (gf)].~~*

**TABLE 422.1**

**Minimum Plumbing Facilities1**

 **Notes:**

 *~~6~~ 8.* ***[HCD 1 & HCD 2]*** *In accordance with Sections 1.8.7 and 301.3, the Authority Having Jurisdiction may approve alternative design criteria when determining the minimum number of plumbing fixtures.*

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 6Chapter 5, Water Heaters

HCD proposes to adopt Chapter 5 from the 2024 UPC and bring forward California amendments from the 2022 CPC into the 2025 CPC without modification.

**CHAPTER 5
WATER HEATERS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 7Chapter 6, Water Supply and Distribution

HCD proposes to adopt Chapter 6 (except Section 609.11) from the 2024 UPC and bring forward California amendments from the 2022 CPC into the 2025 CPC without modification.

**CHAPTER 6
WATER SUPPLY AND DISTRIBUTION**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 8Chapter 7, Sanitary Drainage

HCD proposes to adopt Chapter 7 from the 2024 UPC and bring forward all existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

**CHAPTER 7
SANITARY DRAINAGE**

**701.2 Drainage Piping.**

**(2)** ABS and PVC DWV(...) (No change to existing California amendments.)

***~~(a)~~******~~[HCD 1 & HCD 2]~~*** *~~ABS and PVC installations are limited to not more than two stories of areas of residential accommodation~~****~~.~~***

**TABLE 707.2CLEANOUT MATERIALS FOR DRAIN, WASTE, AND VENT**

(No changes to model code language in Table 707.2)

| **MATERIAL** | **STANDARD** |
| --- | --- |
| ABS*~~1~~* | ASTM D2661, CSA B79, IAPMO IGC 78, IAPMO IGC 224 |
| (...) |  |
| PVC*~~1~~* | ASTM D2665, CSA B79, IAPMO IGC 78, IAPMO IGC 224 |
| Stainless Steel | CSA B79 |

*~~1~~* ***~~[HCD 1 & HCD 2]~~*** *~~ABS and PVC installations are limited to not more than two stories of areas of residential accommodation.~~*

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 9Chapter 8, Indirect Wastes

HCD proposes to adopt Chapter 8 from the 2024 UPC into the 2025 CPC without amendment.

**CHAPTER 8** **Indirect Wastes**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 10Chapter 9, Vents

HCD proposes to adopt Chapter 9 from the 2024 UPC and bring forward all existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

**CHAPTER 9** **Vents**

**903.1 Applicable Standards.** Vent pipe and fittings (...) (No change to existing California amendments.)

1. No galvanized steel (...) (No change to model code text.)
2. ABS and PVC DWV piping installations (...) (No change to existing California amendments.)

 ***~~903.1.1 [HCD 1 & HCD 2]~~*** *~~ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.~~*

1. ***903.1.~~2~~1******[HCD 1]*** *(...)* (No change to existing California amendments.)

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 11Chapter 10, Traps and Interceptors

HCD proposes to adopt Chapter 10 from the 2024 UPC and bring forward California amendments from the 2022 CPC into the 2025 CPC without modification.

**CHAPTER 10** **Traps and Interceptors**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 12Chapter 11 Storm Drainage

HCD proposes to adopt Chapter 11 from the 2024 UPC and bring forward California amendments from the 2022 CPC into the 2025 CPC without modification.

**CHAPTER 11
Storm Drainage**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 13Chapter 12, Fuel Gas Piping

HCD proposes to adopt Chapter 12 from the 2024 UPCinto the 2025 CPC without amendments.

**CHAPTER 12** **Fuel GAS Piping**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 14Chapter 13, Health Care Facilities and Medical Gas and Medical Vacuum Systems

HCD proposes to not adopt Chapter 13 from the 2024 UPC.

**CHAPTER 13** **HEALTH CARE FACILITIES AND MEDICAL GAS AND MEDICAL VACUUM SYSTEMS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 15Chapter 14, Firestop Protection

HCD proposes to not adopt Chapter 14 from the 2024 UPC.

**CHAPTER 14** **FIRESTOP PROTECTION**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 16Chapter 15, Alternate Water Sources for Nonpotable Applications

HCD proposes to adopt Chapter 15 of the 2024 UPC (except sections 1501.5.2; 1502.3.4; 1503.9.3-1503.9.7; 1505; and Table 1501.5.) and bring forward all existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

**CHAPTER 15
ALTERNATE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

**1501.7 Minimum Water Quality Requirements.** The minimum water quality for alternate water source systems shall meet the applicable water quality requirements for the intended application as determined by the Authority Having Jurisdiction. In the absence of water quality requirements, for on-site treated nonpotable systems, the water quality requirements of NSF 350 shall apply. *Water quality requirements for on-site treated nonpotable graywater shall comply with this section and Section ~~1506.9.2~~ 1506.10.2.*

**1506.10 [formerly section 1506.9] Design and Installation.** The design and installation of on-site treated nonpotablesystems shall be in accordance with Section 1506.10.1 through Section ~~1506.10.5~~ *1506.10.6.*

***~~1506.9.6~~ 1506.10.6 Disinfection.*** (...)

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 17Chapter 16, Nonpotable Rainwater Catchment Systems

HCD proposes to adopt Chapter 16 of the 2024 UPC (except Sections 1601.5.2, 1605.3.4, and Table 1601.5) and bring forward California amendments from the 2022 CPC into the 2025 CPC with the following modification:

**CHAPTER 16
NONPOTABLE RAINWATER CATCHMENT SYSTEMS**

**1601.7 Minimum Water Quality Requirements.** The minimum water quality for rainwater catchment systems shall comply with the applicable water quality requirements for the intended application as determined by the Authority Having Jurisdiction. Water quality for nonpotable rainwater catchment systems shall comply with Section 1603.5. *In the absence of water quality requirements for harvested rainwater, Table ~~1603.5~~ 1603.4 shall apply.* **Exceptions:**

1. Water treatment … (No change to model code text.)
2. Water treatment … *(*No change to existing California amendment.)

***~~1603.5.2~~ 1603.4.1 Disinfection.*** *Where the initial quality of the collected rainwater requires disinfection or other treatment or both, the collected rainwater shall be treated as necessary to ensure the required water quality is delivered at the point of use. Where chlorine is used for disinfection or treatment, water shall be tested for residual chlorine in accordance with ASTM D1253. The levels of residual chlorine shall not exceed the levels allowed for the intended use in accordance with the requirements of the local enforcing agency.*

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 18Chapter 17, Referenced Standards

HCD proposes to adopt Chapter 17 from the 2024 UPC and bring forward all existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

**CHAPTER 17**
**REFERENCED STANDARDS**

**TABLE 1701.1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard number** | **Standard Title** | **Application** | **Referenced Sections** |
| *ASTM D1253-2014* | *Standard Test Method for Residual Chlorine in Water* | *Miscellaneous* | *~~1506.9.6~~, ~~1603.5.2~~ 1506.10.6, 1603.4.1* |

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 19Appendix A, Recommended Rules for Sizing the Water Supply System

HCD proposes to adopt Appendix A from the 2024 UPC into the 2025 CPC without amendment.

**APPENDIX A** **Recommended Rules for Sizing the Water Supply System**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 20Appendix B, Explanatory Notes on Combination Waste and Vent Systems

HCD proposes to not adopt Appendix B from the 2024 UPC.

**APPENDIX B
Explanatory Notes on Combination Waste and Vent Systems**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 21Appendix C, Alternate Plumbing Systems

HCD proposes to not adopt Appendix C from the 2024 UPC.

**APPENDIX c** **ALTERNATE PLUMBING SYSTEMS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 22Appendix D, Sizing Storm Water Drainage Systems

HCD proposes to adopt Appendix D from the 2024 UPC into the 2025 CPC without amendment.

**APPENDIX D** **Sizing Storm water Drainage Systems**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 23Appendix E, Manufactured/Mobile Home Parks and Recreational Vehicle Parks

HCD proposes to not adopt Appendix E from the 2024 UPC.

**APPENDIX E** **Manufactured/Mobile Home Parks and Recreational Vehicle Parks**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 24Appendix F, Firefighter Breathing Air Replenishment Systems

HCD proposes to not adopt Appendix F from the 2024 UPC.

**APPENDIX F** **Firefighter Breathing Air Replenishment Systems**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 25Appendix G, Sizing of Venting Systems

HCD proposes to not adopt Appendix G from the 2024 UPC.

**APPENDIX G** **SIZING OF VENTING SYSTEMS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 26Appendix H, Private Sewage Disposal Systems

HCD proposes to adopt Appendix H from the 2024 UPC into the 2025 CPC without amendment.

**APPENDIX H** **PRIVATE SEWAGE DISPOSAL SYSTEMS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 27Appendix I, Installation Standards

HCD proposes to adopt only IAPMO IS 31-2022 of Appendix I from the 2024 UPC into the 2025 CPC without amendment.

**APPENDIX I** **INSTALLATION STANDARD FOR PEX TUBING SYSTEMS FOR
HOT- AND COLD-WATER DISTRIBUTION
IAPMO IS 31~~-~~2022 [formerly IAPMO IS 31-2014]**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 28Appendix J, Combination of Indoor and Outdoor Combustion and Ventilation Opening Design

HCD proposes to not adopt Appendix J from the 2024 UPC.

**APPENDIX J** **COMBINATION OF INDOOR AND OUTDOOR COMBUSTION AND VENTILATION OPENING DESIGN**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 29Appendix K, Potable Rainwater Catchment Systems

HCD proposes to not adopt Appendix K from the 2024 UPC.

**APPENDIX K
POTABLE RAINWATER CATCHMENT SYSTEMS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 30Appendix L, Sustainable Practices

HCD proposes to not adopt Appendix L from the 2024 UPC.

**APPENDIX L** **SUSTAINABLE PRACTICES**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 31Appendix M, Peak Water Demand Calculator

HCD proposes to adopt Appendix M from the 2024 UPC into the 2025 CPC without amendment.

**APPENDIX M** **PEAK WATER DEMAND CALCULATOR**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 32Appendix N, Impact of Water Temperature on the Potential for Scalding and Legionella Growth

HCD proposes to not adopt Appendix N from the 2024 UPC.

**APPENDIX N
IMPACT OF WATER TEMPERATURE ON THE POTENTIAL FOR SCALDINg
AND LEGIONELLA GROWTH**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 33Appendix O, Non-Sewered Sanitation Systems

HCD proposes to not adopt Appendix O from the 2024 UPC.

**APPENDIX o
nON-sEWERED sANITATION sYSTEMS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 34Appendix P, Professional Qualifications

HCD proposes to not adopt Appendix P from the 2024 UPC.

**APPENDIX p
pROFESSIONAL QUALIFICATIONS**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 35Appendix Q, Indoor Horticultural Facilities

HCD proposes to not adopt Appendix Q from the 2024 UPC.

**APPENDIX Q
Indoor horticultural facilities**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 36Appendix R, Tiny Houses

HCD proposes to not adopt Appendix R from the 2024 UPC.

**APPENDIX R
tiny houses**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.

## ITEM 37Appendix S, Onsite Stormwater Treatment Systems

HCD proposes to adopt Appendix S without amendment from the 2024 UPC.

**APPENDIX s
onsite stormwater treatment systems**

**Notation:**

Authority: Health and Safety Code Sections 17040, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17926, 17927, 17928, 17958.12, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

References: Business and Professions Code Division 5; Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, 18938.6, 18941, 19891, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202 and 5551; and Government Code Sections 12955.1 and 12955.1.1. California Code of Regulations, Title 20, Sections 1605.1, 1605.3 and 1607.