# FINAL EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE CALIFORNIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT REGARDING THE **2025 CALIFORNIA PLUMBING CODE**, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART **5** (HCD 03/24)

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* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*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

## FINAL EXPRESS TERMS

### ITEM 1 Chapter 1, Administration, 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 2 Chapter 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 amendment.

**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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 3 Chapter 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 existing 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 4 Chapter 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 existing California amendments from the 2022 CPC into the 2025 CPC with the following modification:

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

***~~301.6~~ 301. 7 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 5 Chapter 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 existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

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

**SECTION 408.0 – SHOWERS**

**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.*

**SECTION 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. [HCD 1 & HCD 2]~~*** *~~When installed, shall meet the~~**~~requirements in the California Code of Regulations, Title~~**~~20 (Appliance Efficiency Regulations), Section~~**~~1605.1(h)(4)~~ ~~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)].~~*

**SECTION 422.0 – MINIMUM NUMBER OF REQUIRED FIXTURES**

**TABLE 422.1**

**Minimum Plumbing Facilities1**

Each building shall be provided with sanitary facilities, including provisions for persons with disabilities as prescribed by the Department Having Jurisdiction.8 Table 422.1 applies to new buildings, additions to a building, and changes of occupancy or type in an existing building resulting in increased occupant load.

**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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2; California Code of Regulations.

### ITEM 6 Chapter 5, Water Heaters

HCD proposes to adopt Chapter 5 from the 2024 UPC and bring forward existing 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 7 Chapter 6, Water Supply and Distribution

HCD proposes to adopt Chapter 6 (except Section 609.11) from the 2024 UPC and bring forward existing California amendments from the 2022 CPC into the 2025 CPC with the following modification:

**CHAPTER 6  
WATER SUPPLY AND DISTRIBUTION**

**605.9.1 Fittings.** Fittings for PEX tubing shall comply with the applicable standards referenced in Table 604.1. PEX tubing that complies with ASTM F876 shall be marked with the applicable standard designation for the fittings, specified by the tubing manufacturer for use with the tubing. *Brass fittings used with PEX tubing shall meet or exceed ~~NSF 14~~ NSF/ANSI 14 standards to prevent dezincification and stress crack corrosion.*

#### 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 8 Chapter 7, Sanitary Drainage

HCD proposes to adopt Chapter 7 from the 2024 UPC and bring forward existing California amendments from the 2022 CPC into the 2025 CPC without modification.

**CHAPTER 7  
SANITARY 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 9 Chapter 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2,

### ITEM 10 Chapter 9, Vents

HCD proposes to adopt Chapter 9 from the 2024 UPC and bring forward existing California amendments from the 2022 CPC into the 2025 CPC without modification.

**CHAPTER 9** **Vents**

#### 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 11 Chapter 10, Traps and Interceptors

HCD proposes to adopt Chapter 10 from the 2024 UPC and bring forward existing 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 12 Chapter 11, Storm Drainage

HCD proposes to adopt Chapter 11 from the 2024 UPC and bring forward existing 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 13 Chapter 12, Fuel Gas Piping

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

**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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 14 Chapter 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 15 Chapter 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 16 Chapter 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 existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

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

**SECTION 1501.0 - GENERAL**

**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.*

**SECTION 1503.0 – GRAY WATER SYSTEMS**

**1503.6 Prohibited Location.** Where there is insufficient lot area or inappropriate soil conditions for adequate absorption ~~to prevent the ponding, surfacing, or runoff of the gray water, as determined by the Authority Having Jurisdiction~~, no gray water system shall be permitted. ~~A gray water system is not permitted on a property in a geologically sensitive area as determined by the Authority Having Jurisdiction~~*~~.~~*

…

**1503.7 Drawings and Specifications.** The Authority Having Jurisdiction ~~shall~~ *may* require the following information to be included with or in the plot plan before a permit is issued for a gray water system, or at a time during the:

1. (…) *(*No change to existing California amendment.)
2. Details of construction necessary to ensure compliance with the requirements of this chapter, together with a full description of the complete installation, including installation methods, construction, and materials ~~in accordance with the Authority Having Jurisdiction~~.
3. (...) *(*No change to existing California amendment.)
4. (...) *(*No change to existing California amendment.)
5. (...) *(*No change to existing California amendment.)

…

**SECTION 1506.0 – ON-SITE NONPOTABLE GRAY WATER SYSTEMS**

**1506.5 Water Pressure.** On-site treated non-potable *gray* water systems supplying water to water closets, urinals, and trap primers shall be capable of delivering not less than 15 pounds-force per square inch (psi) (103 kPa) residual pressure at the highest and most remote outlet served. Where the water pressure in the on-site treated non-potable *gray* water supply system within the building exceeds 80 psi (552 kPa), a pressure reducing valve reducing the pressure to 80 psi (552 kPa) or less to water outlets in the building shall be installed.

**~~1506.9~~ 1506.10 Design and Installation.** The design and installation of on-site treated nonpotablesystems shall be in accordance with Section 1506.10.1 through Section*~~1506.9.6~~* *1506.10.6.*

**~~1506.9.2~~ 1506.10.2 Minimum Water Quality *[HCD 1]*.** On-site treated nonpotable water supplied to toilets or urinals or for other uses in which it is sprayed or exposed shall be disinfected. Acceptable disinfection methods shall include chlorination, ultraviolet sterilization, ozone, or other methods as approved by the Authority Having Jurisdiction. The minimum water quality for on-site treated nonpotable water systems shall meet the applicable water quality requirements for the intended applications as determined by the public health Authority Having Jurisdiction. (No change to model code text.) *In the absence of local**water quality requirements for on-site treated nonpotable**gray water, the requirements of IAPMO IGC 324 or ~~NSF 350~~ NSF/ANSI 350 shall apply.*

***~~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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 17 Chapter 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 existing California amendments from the 2022 CPC into the 2025 CPC with the following modifications:

**CHAPTER 16   
NONPOTABLE RAINWATER CATCHMENT SYSTEMS**

**SECTION 1601.0 - GENERAL**

**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.*

**SECTION 1603.0 – DESIGN AND INSTALLATION**

***~~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.*

**1603.20 Rainwater Diversion Valves.** Rainwater diversion valves ranging from 2 inches (50 mm) through ~~4 inches (100 mm) in diameter shall comply with IAPMO PS 59.  Rainwater diversion valves ranging from 6 inches (150 mm) to~~ 12 inches (300 mm) in diameter shall ~~comply with IAPMO ICG 352~~ *be an approved diverter valve*. Valves shall be *readily* accessible and include filter located upstream of the valve when required.

#### 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 18 Chapter 17, Referenced Standards

HCD proposes to adopt Chapter 17 from the 2024 UPC and bring forward 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* |
| NSF/ANSI 14-2020 | Plastics Piping System Components and Related Materials | Miscellaneous | 301.2.3, 604.1, 605.9.1, 606.1 |

#### 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

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

HCD proposes to adopt Appendix A from the 2024 UPC and bring forward existing California amendments from the 2022 CPC 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 20 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 21 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 22 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 23 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 24 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 25 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 26 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 27 Appendix I, Installation Standards

HCD proposes to adopt only IAPMO IS 31-2022, Installation Standard for PEX Tubing Systems for Hot- and Cold-water Distribution, 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**

#### 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 28 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 29 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 30 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 31 Appendix M, Peak Water Demand Calculator

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

**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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 32 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 33 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 34 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 35 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 36 Appendix 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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.

### ITEM 37 Appendix S, Onsite Stormwater Treatment Systems

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

**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, 19892 and 19960 through 19997; Civil Code Sections 832, 1101.4, 1101.5, 1954.201, 1954.202; Government Code Sections 12955.1 and 12955.1.1. and 65852.2.